



NUCLEAR WASTE
MANAGEMENT
ORGANIZATION

SOCIÉTÉ DE GESTION
DES DÉCHETS
NUCLÉAIRES

Centre of Expertise Report on Initial Municipal Visioning



APM-REP-08631-0201

AUGUST 2023

This report has been prepared under contract to the NWMO. The report has been reviewed by the NWMO, but the views and conclusions are those of the authors and do not necessarily represent those of the NWMO.

For more information, please contact:

Nuclear Waste Management Organization

22 St. Clair Avenue East, Fourth Floor

Toronto, Ontario M4T 2S3 Canada

Tel 416.934.9814

Toll Free 1.866.249.6966

Email contactus@nwmo.ca

www.nwmo.ca

Centre of Expertise

Report on Initial Municipal Visioning

August 31, 2023

Prepared for:

The Nuclear Waste Management Organization
22 St. Clair Avenue East, 4th Floor
Toronto, ON M4T 2S3
Main: +1 888 249 6966

Prepared by:

Colliers Strategy & Consulting

Centre of Expertise Designs by:
Zeidler Architecture

Colliers

181 Bay Street, Suite 1400
Toronto, ON M5J 2V1
Canada
Main: +1 416 791 7251
colliers.com

Table of Contents

Introduction	3
<i>Project Background</i>	<i>3</i>
<i>The NWMO Context.....</i>	<i>3</i>
<i>Centre of Expertise</i>	<i>3</i>
<i>Preliminary Community Vision for Centre of Expertise</i>	<i>3</i>
Process & Timeline	4
Design Development.....	6
Feedback.....	28
<i>Information Events and Initiatives.....</i>	<i>28</i>
<i>Feedback.....</i>	<i>29</i>
Next Steps	33
Appendix A	35
<i>Community/Stakeholder Minutes.....</i>	<i>35</i>
Appendix B	36
<i>Hill + Knowlton Strategies Report on Survey Results and Raw Data from</i>	
<i>Public Survey.....</i>	<i>36</i>
Appendix C	37
<i>Survey of the NWMO Staff - Raw Data.....</i>	<i>37</i>
Appendix D	38
<i>Ignace – Final Conceptual Designs.....</i>	<i>38</i>
Appendix E.....	39
<i>South Bruce – Final Conceptual Designs.....</i>	<i>39</i>

Introduction

Project Background

Through dedicated community outreach, stakeholder engagement and technical analysis, the Nuclear Waste Management Organization (“the **NWMO**”) has identified two potential host locations for Canada’s plan – the communities of Wabigoon Lake Ojibway Nation-Ignace area and the Saugeen Ojibway Nation - South Bruce area, both in Ontario. The NWMO continues to work with the communities and their technical advisory teams to investigate the geoscientific characteristics of the sites and determine their technical suitability as potential sites for Canada’s deep geological repository.

The NWMO Context

The Nuclear Waste Management Organization is responsible for the safe, long-term management of used nuclear fuel. Canada’s plan, also known as Adaptive Phased Management, requires used nuclear fuel to be contained and isolated in a deep geological repository in an area with informed and willing hosts. The \$26B national environmental infrastructure project will be implemented over 175 years and has the potential to be an economic engine for the region.

Centre of Expertise

One of the NWMO’s first large-scale investments in assets in the selected host community will be the Centre of Expertise. This facility will be established at or near the repository location, with the Centre of Expertise site to be determined in collaboration with the host community after the repository site is selected.

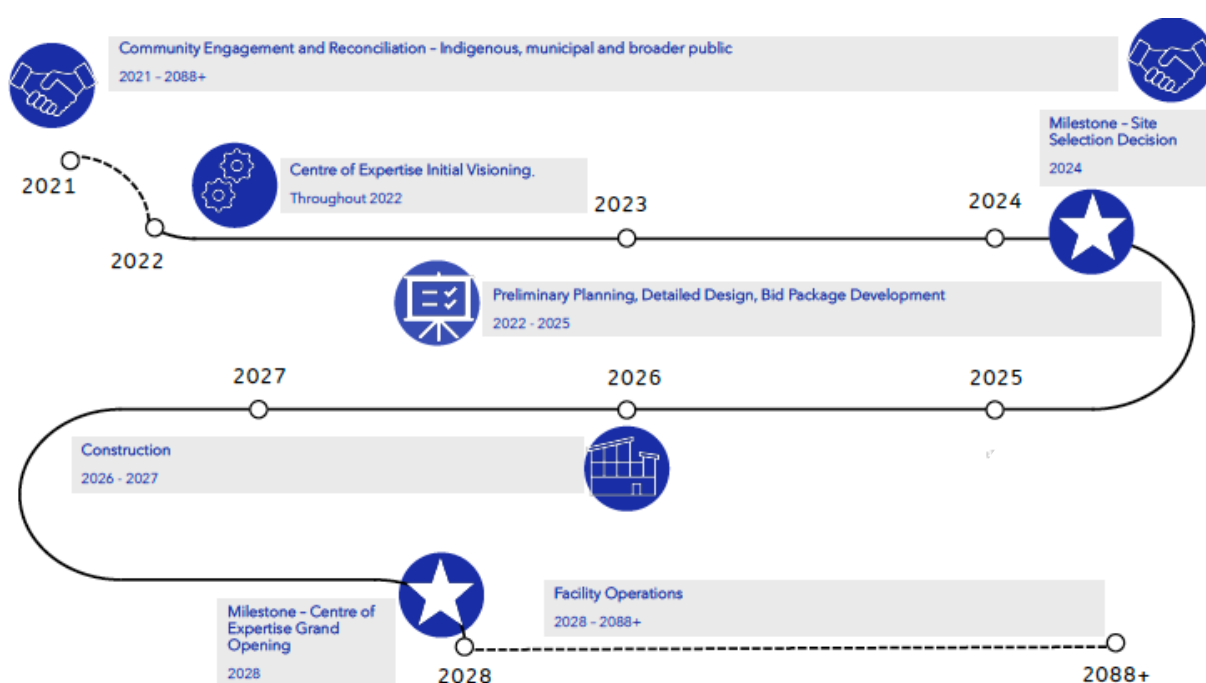
Beyond the planned uses of the Centre of Expertise by the NWMO, it is the NWMO’s intention that the Centre of Expertise will include community-identified uses – such as a Visitor’s Centre, conference and classroom spaces, and other uses that enhance and benefit the host community such as public viewing galleries and interactive displays, and other uses that enhance and benefit the host community. Through the visioning process undertaken to date the communities have identified some potential uses for this space, however in subsequent phases of planning for the Centre of Expertise more work will be done with the chosen host community to identify and refine these uses.

Preliminary Community Vision for Centre of Expertise

In May of 2022 the NWMO along with Colliers International, and Zeidler Architecture began its first phase of visioning work related to the future Centre of Expertise. This visioning took place with the Township of Ignace (“**Ignace**”) and the Municipality of South Bruce (“**South Bruce**”), and resulted in general conceptual designs, preliminary discussions of potential programming and key elements of the Centre of Expertise, and a public engagement/feedback process. This visioning work built on prior efforts conducted by the municipalities and the NWMO – with previous findings providing a base for, and informing, the work undertaken in 2022. It is also important to note that the NWMO is guided by our Reconciliation and Indigenous Knowledge Policies. While this report is focused on the outcomes for engagement with municipalities, the NWMO will ensure that these policies are upheld in the design and development of the Centre of Expertise. These policies will guide how the NWMO incorporates Indigenous voice into this process.

Process & Timeline

This visioning work was completed early in the NWMO's overall Centre of Expertise planning timeline based on interest expressed by South Bruce and Ignace in completing some preliminary work on the potential design and programming of the facility. This initial visioning was completed throughout 2022 through facilitated discussions with both municipalities on expectations and ideas for the Centre of Expertise as well as the role that the facility could play in the communities.



Stakeholders from the communities of Ignace and South Bruce were engaged in a series of sessions for each community.

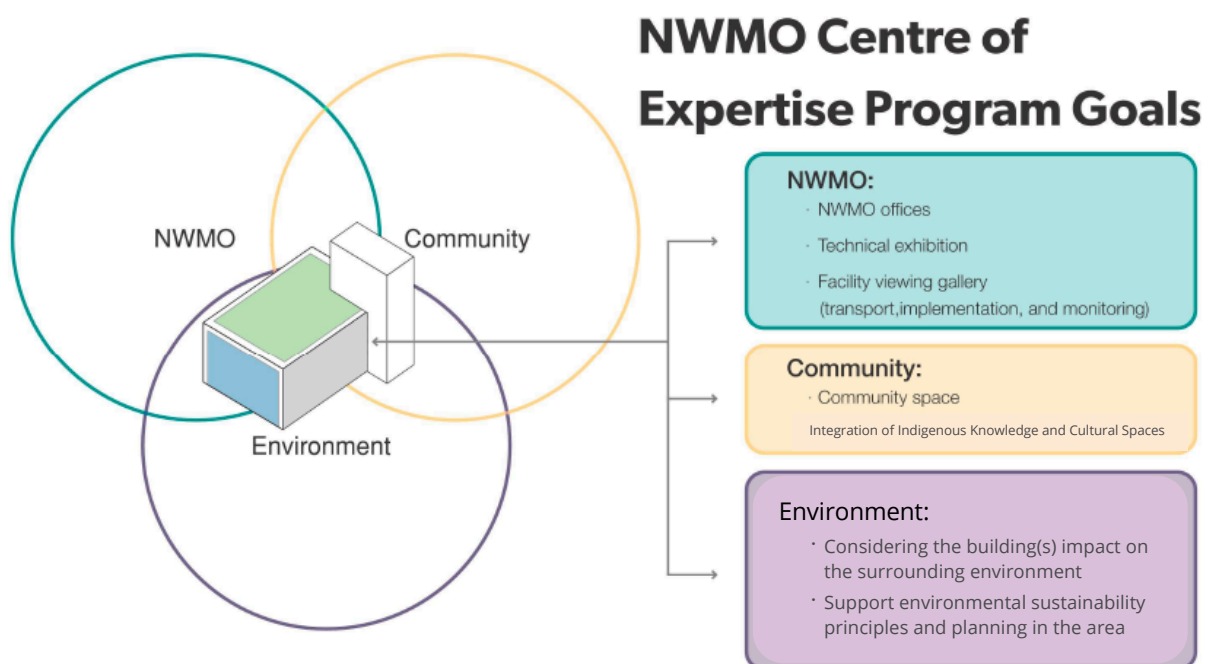
Visioning followed the stages and timeline set out below. Learnings from this Visioning Program will be applied when designing the detailed steps for future phases of the Centre of Expertise design.

Stage	Stage Summary	Dates	Items to Note
Review of Previous Work	Review all work done to date by the communities and the NWMO	Prior to April 28, 2022	Reviewed all previous work done on the Centre of Expertise to ensure that previous input was taken into account as part of the Baseline. Ensured that there was clarity around existing parameters for the Centre of

			Expertise as set out in the 2021 Lifecycle Cost Estimate.
Establishing Baseline	Establishing baseline requirements for the Centre of Expertise	April 28 – May 24, 2022	<p>Work Included:</p> <ul style="list-style-type: none"> • Kick-off meeting and confirmation of baseline requirements • Introductory meetings with Municipalities of South Bruce and Ignace • Compilation of the NWMO baseline requirements for the Centre of Expertise
Engagement	Engagement with Municipal Leadership and Invited Participants in South Bruce and Ignace	May 25 – September 26, 2022	<p>Work Included:</p> <ul style="list-style-type: none"> • Engagement with municipalities of South Bruce and Ignace • Review the NWMO baseline requirements for Centre of Expertise and identify areas of alignment with Municipalities
Development	Develop community vision requirements and conceptual designs	June 1 – September 26, 2022	<p>Work Included:</p> <ul style="list-style-type: none"> • Develop Community Visions/Design Briefs • Develop Conceptual layouts/renderings
Feedback	Broader Public Community Feedback	September 26 – November 30, 2022	<p>Work Included:</p> <ul style="list-style-type: none"> • September 26 – October 31: Obtain public feedback • November 8 – November 15: Analyze and interpret public feedback
Finalization of Preliminary Visioning Phase		By December 31, 2022	<ul style="list-style-type: none"> • Provide report, updated preliminary renderings, and other project documentation to the NWMO to support the NWMO's engagement activities
Engagement on Findings	Sharing findings with the communities	January – July 2023	<ul style="list-style-type: none"> • Share summary of visioning process and discuss feedback with Ignace and South Bruce • Provide final report, renderings and other findings

Design Development

Through the process of establishing Baseline Requirements (during which previous renderings, public workshops and previous feedback from the public on the Centre of Expertise), it was determined that the NWMO's Program Goals for the Centre of Expertise could be organized into three main areas: 1) the NWMO Needs; 2) Community Needs; 3) Environmental Considerations.



With these guidelines in mind, the NWMO, Colliers International and Zeidler Architecture engaged with stakeholders identified by Ignace and South Bruce leadership to participate in the process – these stakeholders included the Mayor and Township Staff in Ignace and the municipality and CLC in South Bruce - in a series of working sessions (minutes attached as Appendix A) that culminated in conceptual designs and identification of some potential uses of the space that would be of benefit to each community.

The Design Development process and results for each community are set out in detail below:

Each community had its kick-off meeting in early May. Subsequent meetings built from participant feedback and discussions in previous meetings.

Ignace

Meeting Date & Type	Program & Project Feedback and Design Development
<p>May 3, 2022 Kick-off Meeting</p>	<p>The Township confirmed that it wished to have a participatory and interactive design process that could involve members of the community. The Township's initial view of the Centre of Expertise is as an:</p> <ul style="list-style-type: none"> • iconic building • built with materials that reflect the surrounding area • creating a tourist attraction <p>The Township requested that the Centre of Expertise:</p> <ul style="list-style-type: none"> • house a broad range of uses, aligned with Township needs • Consist of more than a single building
<p>June 16, 2022 Vision Session 1</p>	<p>This session focused on community goals and elements for inclusion in the Centre of Expertise.</p> <p>Participants noted that cultural goals needed to be given as much importance as economic goals and emphasized that everyone in the community should be given an opportunity to participate in the process – at the very least through opportunities to provide feedback.</p> <p>Material and Programming Elements highlighted for inclusion in the Centre of Expertise were:</p> <ul style="list-style-type: none"> • Use of rock, clay and copper to represent the region, the township, and the NWMO • A lowered shaft to simulate the experience of being in the deep geological repository • A café/restaurant to provide visitors and employees space to enjoy the environment • A training centre/educational facility that could pursue partnerships with universities and colleges • Multi-purpose meeting spaces to be used for community events and by the NWMO • Common gathering space as an area to connect generations and cultures • Space for: <ul style="list-style-type: none"> ○ Interactive learning and education-based activities ○ Exhibitions for science, technology, and community heritage ○ A gathering spot for local tourism operators to interact with visitors ○ A gathering spot for members of the community to interact with one another – e.g. A market square that is focused on local vendors ○ Townhall meetings and special community presentations
<p>June 28, 2022 Vision Session 2</p>	<p>Programming Elements were further discussed and refined, with the participants identifying the following as important key elements of the Centre of Expertise:</p> <p>INTERPRETIVE: The Centre of Expertise should provide an Immersive Experience</p> <ul style="list-style-type: none"> • The facility should highlight the histories of the Township of Ignace, the Indigenous community and the NWMO • The facility should highlight the uniqueness of the North and the community

TRAINING: The Centre of Expertise should support Education/Academia

- Consider partnerships with colleges and universities
- Do not lose sight of the importance of transferable skills (mining)

CULTURE: The Centre of Expertise should evoke a sense of Belonging

- Consider a series of spaces within the facility (i.e., a gathering space, a recreation space, a performing arts space) to bring individuals together and promote a sense of culture
- Essential to consider how the facility can bring together and support the existing culture of the NWMO as well as the existing culture of the Township of Ignace

Participants identified the following three key natural elements that should be represented in the design of the facility:

1. Water – through the use of glass (transparent and opaque) throughout the space
2. Trees/forests local to the region through the use of wood throughout the space
3. Rock, through the use of stone throughout the space

Participants stressed the importance of organic architecture and that though there should be defined spaces the facility should maintain a sense of fluidity – consider the use of PIERS or HUBS. It is vital that the design focus be on creating places that bring people together.

Participants highlighted the following as ways to integrate the landscape into the design of the facility:

- Highlight or incorporate the creek that runs adjacent to the site
- Opportunity to create a public space across the highway and an elevated crossing that would bring both visitors, the community, and wildlife to and from the Centre of Expertise

July 27, 2022
Vision Session 3

Zeidler Architecture presented preliminary concept massing that had been developed based on the work done in Vision Sessions 1 & 2 (as set out above).

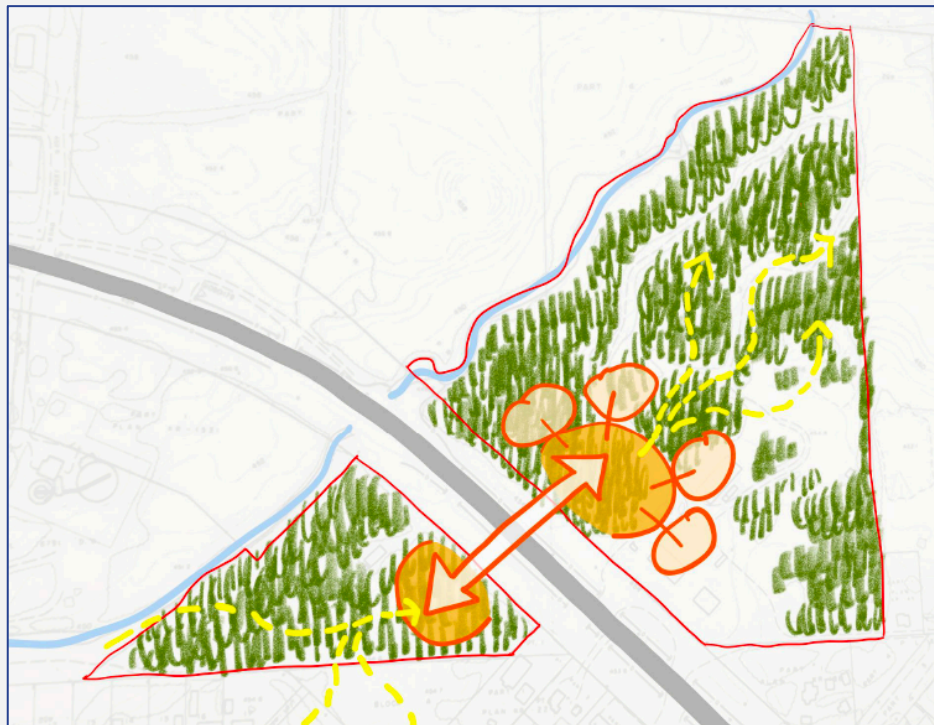
The participants had the following feedback on the preliminary concept massing (images below):

- Preliminary concepts do seem to fulfill the intention that the Centre of Expertise be a landmark that draws in visitors and connects the community and landscape with one another
- Design incorporates the gallery/main hall/gathering space that was discussed in Sessions 1 & 2 and does incorporate hubs/pods for each programmatic element to be housed in the facility
- Proposed design integrates the facility into the landscape and is organic and inviting, providing transparency between the public space and the hubs/pods
- Participants liked the concept of the bridge that crosses the highway – some suggested that the bridge should cross the creek
- Participants requested that in the evolution of the design that the natural elements should be more prominent within the design (i.e., more stone – with perhaps the façade of the building incorporating stone/rock to create bolder angles

With Vision Session 4 planned as the final working session at which Zeidler would present final concept designs, participants had the following comments to be considered in arriving at the final design concepts:

- Increase the use of stone on the building elevations
- Show where parking, loading and other logistical elements will be
- Highlight the wood structure
- Reduce the amount of glass

Site Diagram



This diagram was created to capture the participant feedback which highlighted the need to have the Centre of Expertise blend seamlessly into its surroundings – existing close to the stream and on both sides of the road.

Design Credit: Zeidler Architecture, Toronto (all images unless otherwise noted)

Program Relationship Diagram



The rendering's siting is set back from the main road creating an exterior market square that begins a procession of public spaces.

Bridge Concept



Participants proposed the creation of a public space across the highway and an elevated crossing that would bring visitors, the community and wildlife to and from the Centre of Expertise.

Piers/Hubs



The diagrams directly above and below show how the piers or hubs that participants identified as desirable design features could work on the site – and allow for expansion in the future.

Piers/Hubs Leading to Ability to Expand as Needs Change in the Future



Preliminary Concept Massing Design



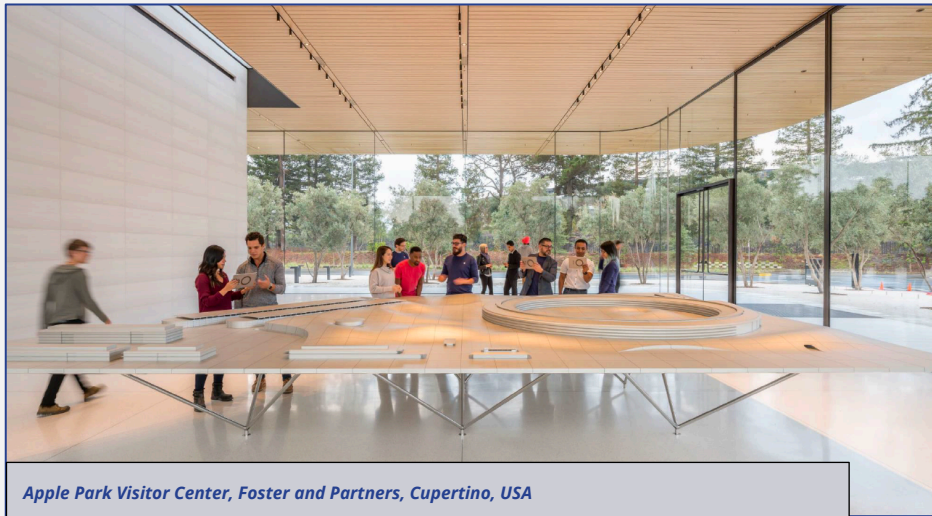
This diagram captures the potential activation of the Centre of Expertise – with a vibrant market square and common area with hubs for different uses spilling out into pockets of outdoor space.

Interior and Site Relationship – Reference Images

All of the images below were provided to the participants as examples to inspire ideas about the potential look and feel of the Centre of Expertise.



Taza Water Reservoir at Taza Park, Zeidler Architecture, Tsuut'ina Nation – Calgary, AB



Apple Park Visitor Center, Foster and Partners, Cupertino, USA

Preliminary Interior



This diagram was the first interior sketch of the main hall/main gathering space of the Centre of Expertise.

August 23, 2022 Vision Session 4

Based on the work done in Sessions 1, 2 and 3 Zeidler Architecture presented the proposed final conceptual designs for the Centre of Expertise to the participants (images set out below). Participants provided the following feedback on the conceptual design, which will be incorporated into the design work in subsequent stages of the Centre of Expertise Design Process:

- Outcrops (i.e., granite) could be utilized in place of developed stone to make the pillars look more natural
- Vegetation draping down the façade of the facility would be inviting and warm

- The doors of the facility should be better integrated into the overall design (give some consideration to larger doors, i.e., garage or accordion doors) that would seamlessly connect the indoor and outdoor spaces
- Choice of flooring and window treatments in the facility will be crucial to the user experience
- Participants wished to see renderings of the Centre of Expertise in the winter

Concept Aerial View



The diagram above was produced in response to participants' request to see all areas of the building including loading and parking areas.

Concept Main Elevation



The Centre of Expertise is intended as a vibrant multi-functional building that attracts users for various purposes. (Participants noted that they wanted exterior stone work in finished Centre of Expertise to look more like the rock outcrops found in the region).

The images below were provided to the participants to inspire ideas about the potential look and feel of the Centre of Expertise.



Left: The Theme Vals, Peter Zumthor, Vals, Switzerland

Right: Denmark's Refugee Museum, BIG Bjarke Ingels Group, Oksbol, Denmark

Concept Interior View



This diagram shows an interior view of the Main Hall with views outside to the Market Square on the left and an outdoor space on the right.

IGNACE - PRELIMINARY VISIONING PHASE FINAL CONCEPTS



The Market Square is envisioned as an informal external plaza to be shared between the users of the Centre of Expertise, the community and visitors. This public space could be programmed for multiple uses throughout the year.



Even in the winter the market square can be activated as an outdoor recreational space and used for hosting seasonal events.

The front of the building with the main hall looking out onto the plaza allows for the opportunity to hold activities in a climate-controlled space next to the market square.



The main hall, with its large volume of mass timber and stone, is designed to evoke the spirit of northwestern Ontario. Within the main hall, artwork familiar to the region can be displayed to bring life and colour to the space.



Seamlessly integrated into its geographic and environmental context, the Centre of Expertise will serve many purposes – facilitated by its hub structure.

South Bruce

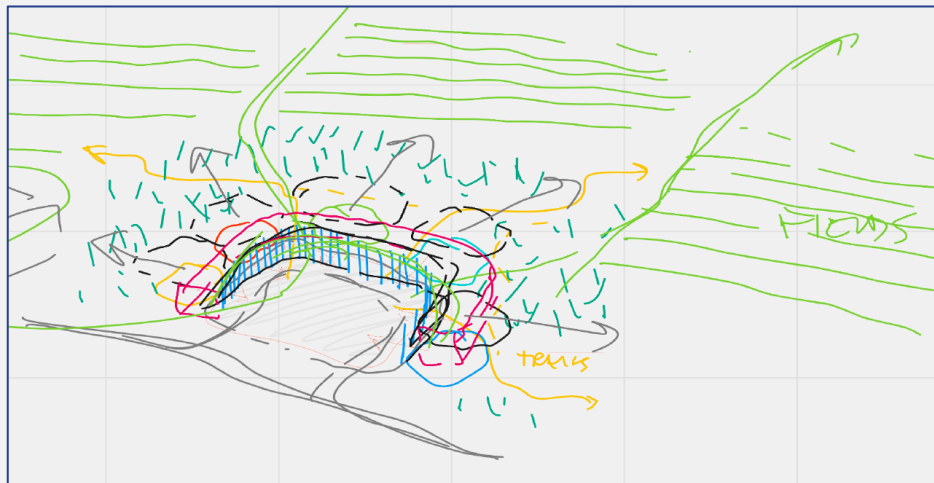
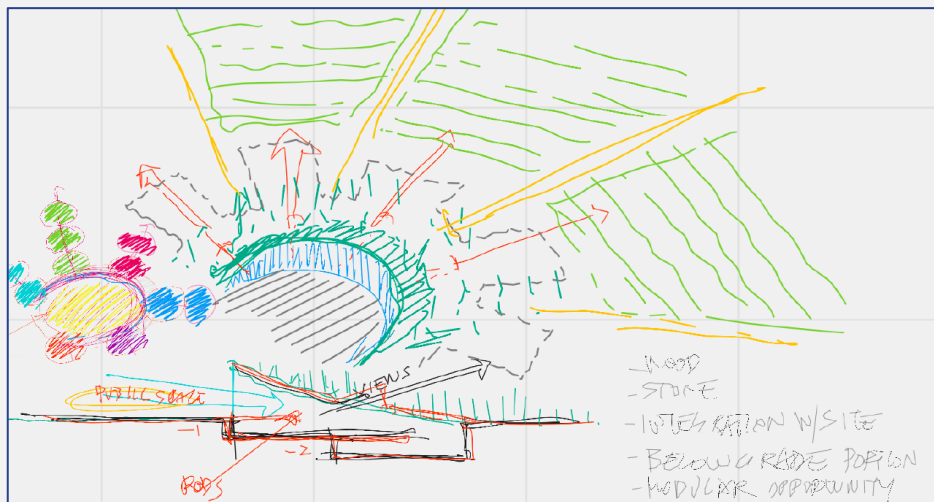
Meeting Date & Type	Program & Project Feedback and Design Development
<p>May 2, 2022 Kick-off Meeting</p>	<p>The Municipality and the NWMO confirmed that the Centre of Expertise vision process will be one that culminates in a conceptualization of the massing and site concept only – with further details to be refined in the future.</p> <p>The NWMO confirmed that the project is not locked into a single structure and that the site for the Centre of Expertise in South Bruce has not yet been identified.</p> <p>The purpose of the Centre of Expertise vision process is to allow the Municipality to express its interests and perspective with respect to the concept and high-level components.</p>
<p>July 18, 2022 Vision Sessions 1A & 1B</p>	<p>These sessions focused on community goals and elements for inclusion in the Centre of Expertise, with the objective of the sessions to identify and discuss community programs that could be synergistic with the NWMO's use of the facility.</p> <p>In discussing the community program goals for the Municipality of South Bruce the participants identified the following as their top two priorities/drivers for the Centre of Expertise:</p> <ol style="list-style-type: none"> 1. Community revitalization 2. Post-secondary education <p>Programs that the municipality would like to consider including in the Centre of Expertise are:</p> <ul style="list-style-type: none"> • Education-based programs focused on skilled trades, modern architecture, and Indigenous history/culture <ul style="list-style-type: none"> ○ An incubator-type program is of interest to the municipality ○ Should be geared towards jobs/career paths available in the community ○ Foundational courses will benefit the population at large, professional development courses may draw professionals from outside the community ○ Opportunities to partner with post-secondary institutions as well as opportunities to establish a program similar to LaunchPad • Recreation and wellness programs (current community facilities are reaching the end of their lives) • Temporary lodging • Conference spaces • Daycare space <p>Participants discussed the following design/architectural elements for the Centre of Expertise:</p> <ul style="list-style-type: none"> • The facility should be accessible/inclusive and account for the current demographics of the municipality • Natural elements such as wood and stone should be used throughout the facility

- Agricultural materials should be incorporated/utilized throughout the facility
- Consideration should be given to creating an underground component mirroring a mine
- The facility should fit within the natural landscape of the municipality

The Group Collaborated on Preliminary Sketches

During these sessions the participants collaborated with Zeidler Architecture to create the two sketches below to begin to capture the South Bruce vision for the Centre of Expertise.

The South Bruce stakeholders, similarly to the stakeholders in Ignace, identified their desire for large communal main hall area as well as the ability for the Centre of Expertise to accommodate multiple uses through hubs and the ability to expand the building as needs changed in the future.



August 3, 2022
Vision Sessions 2A & 2B

The objective of these sessions was to discuss the Concept Massing Development for the Centre of Expertise and to continue to work towards the co-creation of a concept.

The Municipality has undertaken numerous studies (i.e., tourism) that reinforce the training, tourism and cultural themes noted in the first Vision Sessions.

Participants had the following feedback on the preliminary Concept Massing (images below) presented at the session:

- Participants liked the idea of the building being made up of pods/hubs
- Some participants expressed concern that the design was too modern and would not fit in with the broader agriculturally based context of the community (however some participants believed that the building should be as modern as possible to reflect the innovative nature of the facility as part of the nuclear industry)
- Participants noted that the design of the facility should be driven by its integration into the landscape, with the facility being a natural extension of the community and the use of materials (i.e., timber and stone) key to linking the Centre of Expertise with the Municipality of South Bruce
- Participants liked the proposed central plaza and felt that it would support the integration of the NWMO and the Municipality and provide the community with a public gathering space

Site Diagram



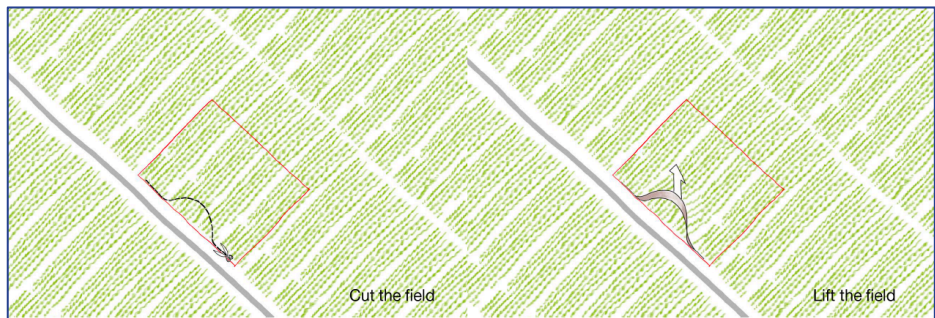
The diagrams directly above and below show the Centre of Expertise's placement on a potential conceptual site. It is placed directly adjacent to the road to facilitate its ability to draw users in and to allow for space for activities and future expansion to spill out behind the Centre of Expertise.

Program Relationship Diagram



Reference Image – Building Relationship with the Site

It was important to the participants that the Centre of Expertise be designed to respect and blend into its surrounding. The sketch and image below show how the Centre of Expertise could be integrated into its environment.



Zentrum Paul Klee Museum, Renzo Piano Building Workshop, Bern, Switzerland

Concept Massing Design



This diagram shows the concept massing for the Centre of Expertise – with its large main hall, market square and hubs leading to outdoor activity areas

Participants had the following comments to be considered in arriving at the final design concepts:

- Generally participants liked how the concepts blended in with the landscape
- Participants wanted the wood structure highlighted
- Building should be scaled to the South Bruce built environment
- Show where parking and loading will be (provide site context)

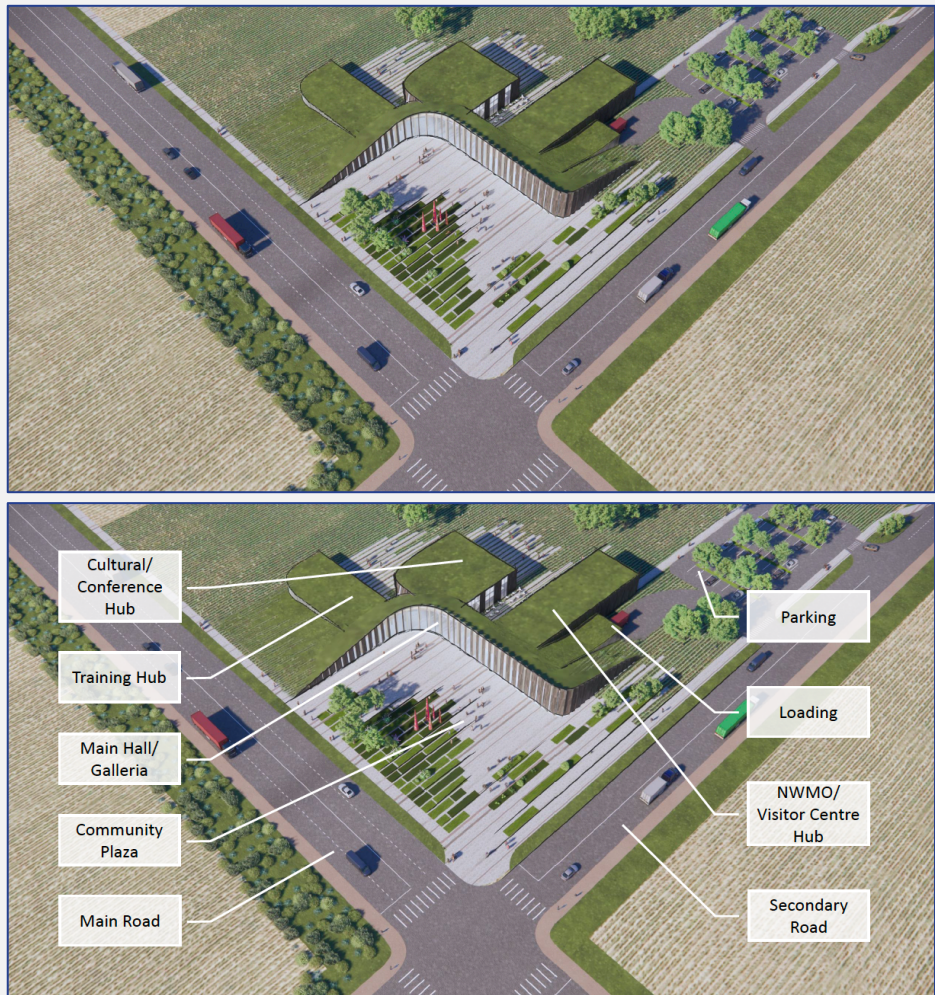
September 6, 2022 Vision Sessions 3A & 3B

Renderings of the conceptual design for the South Bruce Centre of Expertise was presented to the participants. Participants had the following commentary/feedback on the images:

- There was concern that the proposed size of the facility (40,000 – 50,000 SF) was not proportionate to the anticipated number of employees, however the NWMO clarified that workplace needs would be refined in subsequent phases of the Centre of Expertise development process
- Participants noted that the configuration would be subject to change based on the eventual site chosen
- Hubs could be multi-storey if required by final site
- Participants felt that the interior of the facility accurately captured commentary and reflected a good mix of materials
- Some participants felt that the “plaza” concept may not work well if the site is in a very rural setting and should be reviewed once site selection has been concluded
- Participants liked the “hall/conference” space and saw it as an amenity for the occupants of the facility that could also function as a gathering space for the community

Concept Aerial Views

The two aerial views below show how the Centre of Expertise could be situated on its site – providing a welcoming frontage while also blending into the surroundings. The second image below shows the potential various uses of different parts of the building and site (to be refined in later stages of the process).



Concept Main Elevation



The participants in South Bruce also liked the concept of a large outdoor area in front of the Centre of Expertise that could be used for various activities and events. This diagram shows the approach to the building through the “market square”

Materials – Reference Image

Participants were shown the images below as inspiration for the types of materials and finishes that could be used in the construction of the Centre of Expertise.



Left: Denmark's Refugee Museum, BIG Bjarke Ingels Group, Oksbol, Denmark

Right: Abandoned Barn, St. Thomas, Ontario

Concept Interior/Exterior View



This diagram shows the interior main hall of the Centre of Expertise – a grand space that connects all functional areas of the building – and its relationship to the outdoors on both sides.

SOUTH BRUCE – PRELIMINARY VISIONING PHASE FINAL CONCEPTS



The diagrams below show the same view in late spring and winter. The Centre of Expertise is approached from a large courtyard that celebrates the natural environment and provides a large space to be used for community events and gatherings.





The diagram above left shows the main hall of the Centre of Expertise and its relationship to the outdoors.

The diagram below shows an aerial view of the Centre of Expertise and its placement on the site (with the site yet to be selected).



Feedback

Information Events and Initiatives

Following the completion of the planned Vision Sessions with the Municipalities of Ignace and South Bruce the final conceptual designs for the Centre of Expertise were presented to the public and to the NWMO staff in a series of events and initiatives as set out below:

Date	Event	Details
October 3 – October 31, 2022	Online Public Survey	<p>Hill + Knowlton Strategies worked with the NWMO to develop a survey questionnaire to be released online. Information outlining the Ignace and South Bruce process and concepts was shared via the NWMO website.</p> <p>The survey questions were:</p> <ol style="list-style-type: none"> 1. Please enter your full postal code without a space or hyphen (e.g., K1K1V1). 2. Please provide your age range 3. What do you think of this design concept for the Centre of Expertise? <i>[the public was able to click into images of the designs]</i> 4. Do you have any suggestions for the Centre of Expertise designers (e.g., things they should be keeping in mind)? 5. Generally, what are you hoping the Centre of Expertise will do for your community? 6. More specifically, what type programs, services (or anything else) could the Centre of Expertise include to benefit your community? We'd love to hear your ideas.
October 3, 2022	Ignace Open House	<ul style="list-style-type: none"> • Day and Evening sessions held • Poster boards of final concepts displayed • Presentation given by NWMO team walking through process and concepts • Township of Ignace spoke to design process, and its intent to balance key concerns within the framework of the Hosting Agreement • Paper copies of survey available for completion
October 3, & October 4, 2022	South Bruce Open Houses	<ul style="list-style-type: none"> • Poster boards of final concepts displayed • Engagement staff on hand to walk attendees through the process and concepts and to answer any questions • Paper copies of survey available for completion
October 6, 2022	South Bruce – Community Liaison Committee Meeting	<ul style="list-style-type: none"> • NWMO Partnership Manager – South Bruce and Zeidler Architecture attended and presented information about the vision process and the final concept designs

October 10 – October 28, 2022	Survey of the NWMO Staff	<p>The NWMO Staff were surveyed with respect to their thoughts on the Centre of Expertise concepts. The staff survey consisted of the following questions:</p> <ol style="list-style-type: none"> 1. What do you think of the design concepts for the Centre of Expertise? 2. Do you have any suggestions for the Centre of Expertise designers (e.g., things they should keep in mind). 3. The Centre of Expertise is expected to make significant contributions in several ways, including to the local community and surrounding region. Generally, what are you hoping the Centre of Expertise will do for the community? <p>More specifically, what type of programs, services (or anything else) could the Centre of Expertise include to benefit the community?</p>
October 12, 2022	Ignace – Community Liaison Committee Meeting	NWMO Partnership Manager – Ignace presented information about the Visioning Process and the final concept designs
October 19, 2022	All Staff Information Session	<ul style="list-style-type: none"> • NWMO Manager, Real Estate Services hosted a virtual session for all of the NWMO staff with the following agenda: <ul style="list-style-type: none"> ○ Overview of progress to date on Centre of Expertise ○ Screening of video showing concepts ○ Summary of Ignace open houses ○ Summary of South Bruce open houses ○ Q & A
October 20, 2022	Ignace Area Business Association Meeting	NWMO Partnership Manager – Ignace presented information about the vision process and the final concept designs
October 26, 2022	Ignace Open House	<ul style="list-style-type: none"> • Day and Evening sessions held • Poster boards of final concepts displayed • Presentation given by the NWMO team walking through process and concepts • Local residents provided key comments on access concerns and logistical challenges to the facility • Paper copies of survey available for completion

Feedback

The report on the online survey along with its raw data are included as Appendix B to this report. Raw data from the employee survey is included as Appendix C to this report. Samples of the feedback received from the public and from the NWMO employees is set out directly below:

Feedback Source	Details
Online Public Survey	<ul style="list-style-type: none"> • 251 Respondents accessed the online survey • 181 Respondents responded to at least one demographic question • 123 total substantive* responses were received • 81 total substantive responses were received for Ignace • 27 total substantive responses were received for South Bruce <p><i>*a substantive response was one in which a participant provided an answer to at least one (1) open-ended survey question.</i></p> <p>The following is from the Hill + Knowlton Strategies Report on the survey results:</p> <p>Summary of Feedback: Ignace</p> <p>Feedback on the Ignace Centre of Expertise design concept was mostly very positive (this overall “positive” assessment is based on Hill + Knowlton Strategies’ review and analysis of the written answers). From a physical design standpoint, respondents agreed on the importance of having a Centre of Expertise that reflects “the North”, and which “blends” with Ignace’s built and natural environments. Based on the drawings, most thought that the design looked promising in this regard. Others, however, expressed concern that the style is “too modern” (e.g., “cold”) to reflect the area/region. The grass roof was the specific physical element that drew the most comments, both supportive and critical.</p> <p>Analysis reveals that respondents expect the Centre of Expertise will prominently feature a museum or science center-type facility; this is a given. Similarly, they hope the Centre of Expertise can drive economic development and revitalization by generating employment opportunities, encouraging tourism, and by housing a range of education and training programs.</p> <p>Collectively, the respondents envision the Centre of Expertise as a vibrant community “hub”, achieving inclusion through a diversity of amenities, programs, and services; essentially offering something for everyone. In this vision, community members get married in a grand hall or atrium inside the building, attend community or business meetings, go to movie night, or watch a play. It’s also a place where youth can congregate in a safe, positive atmosphere. Outside, parents watch their children play on beautiful play structures (with washrooms and drinking fountains nearby), people walk-in from town to meet their friends, enjoy the walking on curated paths in summer and snowmobile trails in winter.</p> <p>Summary of Feedback: South Bruce</p> <p>Most of the comments on the South Bruce design were positive, but not universally so. As with Ignace, people agreed that the building should blend with and reflect local history (e.g., farming), architecture, the environment, and Indigenous peoples.</p> <p>There was a range of opinion, however, concerning how well the current design appears to succeed in doing this.</p>

Survey of the NWMO Staff

Collectively, participants' aspirations for the South Bruce Centre of Expertise includes the following facets:

- Economic growth and revitalization through tourism, an innovation hub, partnerships with local business and education and training opportunities for youth (e.g., key to "keeping" young people in the community).
- A variety of quality arts and culture facilities and programs for local and regional community members to enjoy.
- Outdoor and indoor spaces that bring people together (e.g., meetings, bake sales, farmer's market, exhibition of antique farm machinery).
- Childcare services.
- 53 Responses were received to the survey of the NWMO staff

The Staff generally liked the design concepts – with many pointing out the appeal or the modern design or the building's "fit" with the landscape, though some noted some items that they did not like, or thought could be improved such as:

- More indigenous/cultural components
- Elimination of the green roofs for maintenance, safety or aesthetic reasons
- Concerns about an excess of interior space

Some specific suggestions shared by staff were:

- Ensure that the highest-possible sustainability and green building standards would be met
- Ensure that indigenous culture and considerations are incorporated into the design
- Ensure that the space is highly functional and useable
- Source local material for the construction
- Consider outdoor covered areas
- Embrace the local landscape

Staff hopes for specific contributions that the Centre of Expertise would make to the community included:

- Hub for information-sharing, providing education services and opportunities
- Showcasing the NWMO's excellence – focal point and demonstration of engineering and social excellence
- Source of pride for the community
- Multi-purpose, highly useful space for the community (daycare, gathering place)
- Determine and provide amenities that the community is currently lacking
- Warm and welcoming place for visitors

Staff included the following as some of the programs and services that should be offered at the Centre of Expertise:

- Education and training facilities and programs
- Daycare
- Art, drama and fitness programs

- Wellness programs
- Meeting and conference space, auditorium
- Co-working space
- Event space
- Mini science centre
- Virtual reality or interactive games, STEM themed events for kids
- Community centre
- Library
- Recreation facilities
- Indigenous history/culture showcase
- Internet and computer resources for the community
- Visitors centre

The following feedback was received from various sources on the Visioning Process itself and the process of sharing the designs with, and seeking feedback from, the public. This feedback will be considered as the process related to the Centre of Expertise progresses:

Feedback on the Visioning Process

- Desire to consider a design charrette as part of the next steps of designing the Centre of Expertise
- Concerns that process was rushed
- Concerns that the design was predetermined
- Need to continue to invite indigenous communities to be involved in design of the Centre of Expertise
- More clarity on objectives and outcomes of the Visioning Process

Feedback on the presentation of designs to the Public

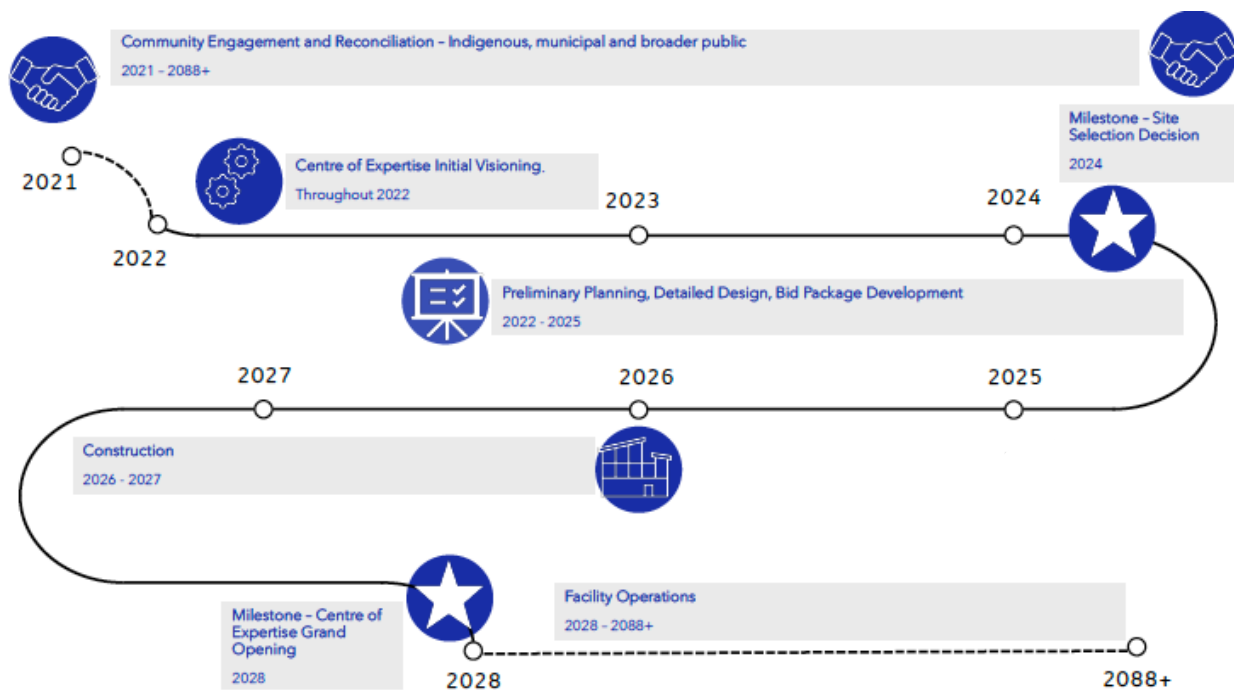
- Some concern was expressed about the low turnout at a number of public events and concerns that this turnout could be related to many competing engagement opportunities, engagement fatigue
- Questions about how input into design concepts will be used in subsequent design phases – ensuring that work done, and feedback received, to date is not forgotten in subsequent stages

Next Steps

The timeline below sets out the next steps involved in the Design, Construction and Operation of the Centre of Expertise, with the work done to date comprising the initial visioning completed in 2022 at the request of Ignace and South Bruce. The results of the initial visioning process will be shared with Ignace and South Bruce in 2023.

The NWMO's preliminary planning for the Centre of Expertise is underway, building on the visioning work completed with Ignace and South Bruce, and considering the NWMO's requirements in more detail. Subsequent work will occur on the detailed design once the Site Selection Decision has been made in 2024. This work will build upon the visioning and preliminary planning work completed as well as the ongoing engagement with the selected community – indigenous, municipal and broader public.

The Indigenous communities and the municipalities will be engaged throughout the programming, design and other steps up to and beyond the Centre of Expertise Grand Opening.



Appendices

Appendix A

Community/Stakeholder Minutes



Minutes of Meeting

Recorded by: Colliers International
Meeting date: May 3, 2022
Meeting location: Virtual
Subject: Centre of Expertise Kickoff/Introductory Meeting – Ignace
Attendees: Ignace - 4 attendees, NWMO - 3 attendees, Colliers/Zeidler - 3 attendees

Highlights of the discussion:

- Round of introduction from Municipality of Ignace, the NWMO, Colliers and Zeidler
- The Municipality would like to have a participatory and interactive design process where the community is involved
- The Municipality does see the project to be an iconic building for the area with materials reflecting the surrounding area, creating a tourist attraction
- The Municipality would like the NWMO to consider a broad range of uses which align with Municipal needs
- The Municipality also thinks that the COE could be more than a single building and it should drive sustainability and attract more people to the community

Actions:

1. The Municipality of Ignace to provide the NWMO with a list of attendees for the Engagement Session(s).

End of document



Minutes of Meeting

Recorded by: Colliers International

Meeting date and time: June 16, 2022; 3:00 – 4:45 pm CST

Meeting location: Virtual – Microsoft Teams Meeting

Subject: Centre of Expertise Visioning – Session 1

Attendees: Ignace - 5 attendees, NWMO - 7 attendees, Colliers/Zeidler - 4 attendees

Highlights of the discussion:

- General introductions to team members from the NWMO, Colliers, Zeidler and the Township of Ignace
- Zeidler highlighted the interconnectedness of the community, environment and the NWMO and how these elements come together as it relates to the visioning of the Centre of Expertise
- Participants discussed the applicability of the Community Program Goals referenced in the presentation materials
- It was noted that the goals are economic-centric and do not necessarily highlight the importance of culture
 - Questions for all participants to consider as this process continues to include:
 - How will the Centre of Expertise speak to/be integrated with the culture of Northwestern, Ontario?
 - Integrate natural elements into the building/facility (e.g., water, rocks and trees)
 - How will the Centre of Expertise evoke emotion/feeling in its visitors?
 - Utilization of local materials and a design that reflects the community's history
- Participants noted that everyone in the community should have a say in the Centre of Expertise and that the building/facility needs to be a safe space for the community
- Participants identified and discussed elements that should be considered for inclusion in the Centre of Expertise:
 - The use of rock, clay and copper throughout the facility represents the region, municipality, the NWMO and its objectives
 - A lowered shaft to simulate the experience of being within the Deep Geological Repository
 - The facility could double as an educational tool for visitors and students. There is precedent for this, as the facility in Finland has a lowered shaft and a viewing gallery
 - A café/restaurant to provide visitors and employees with a space where they can enjoy the environment
 - A training centre/educational facility facilitates partnerships with local universities and colleges
 - Multi-purpose meeting spaces to facilitate and promote community events
 - Create a common gathering area/space to unite the community, connect generations and cultures, and provide programmed events
- Confirmation that the location of the Centre of Expertise has yet to be determined. The program must be distilled before the site for the building/facility can be identified



- The NWMO noted that one of its key policies is reconciliation. Regarding the Centre of Expertise, the building/facility should reflect the first steps toward reconciliation through the choice of materials and architectural features
- Participants identified and discussed the type of activities that they see taking place within the Centre of Expertise:
 - Interactive learning and education-based activities
 - Exhibitions for science, technology, and the community's heritage
 - A gathering spot for local tourism operators to interact with visitors
 - A gathering spot for members of the community to interact with one another
 - For example, a market square that is focused on local vendors
 - Townhall meetings and special community presentations
- Consideration should be given to the services available to the NWMO's employees within the Centre of Expertise (e.g., health services, meeting spaces, etc.)
- Confirmation of next steps. The second visioning session, scheduled for June 28, will be an in-person meeting where the preliminary design will be discussed. Public consultation is currently scheduled to take place in August 2022

End of Document

Minutes of Meeting

Recorded by: Colliers International

Meeting date and time: June 28, 2022; 8:30 – 10:15 am CST

Meeting location: 304 Main Street, Ignace, ON, P0T 1T0; Virtual – Microsoft Teams Meeting

Subject: Centre of Expertise Visioning – Ignace – Session 2

Attendees: Ignace - 5 attendees, NWMO 7 attendees, Colliers/Zeidler - 3 attendees

Highlights of the discussion:

- General introductions to team members from the NWMO, Colliers, Zeidler and the Township of Ignace
- The purpose of the session, to begin developing the project's concept and to further establish the programmatic elements of the Centre of Expertise, was communicated to the participants
- Participants were reminded that the Centre of Expertise would not be co-located with the Deep Geological Repository
- Participants identified and discussed what the Centre of Expertise should encompass:
 - Interpretive – The Centre of Expertise should provide an immersive experience
 - The facility should highlight the history of the Township of Ignace, the Indigenous community and the NWMO
 - The facility should highlight the uniqueness of the North and the community
 - Training – The Centre of Expertise should support education/academia
 - The NWMO has considered partnerships with colleges/universities
 - The Township of Ignace highlighted the importance of transferable skills (e.g., mining)
 - Culture – The Centre of Expertise should evoke a sense of belonging
 - There could be a series of spaces within the facility (e.g., a gathering space, a recreation space and a performing arts space) to bring individuals together and promote a sense of culture
 - It will be essential to consider how the facility can bring together and support the existing culture of the NWMO as well as the existing culture of the Township of Ignace
- Participants identified and discussed how architecture could support their ideas for the Centre of Expertise:
 - The landscape should be integrated into the design of the facility and should feel as undisturbed as possible
 - Three key elements should be represented in the design of the facility
 - Water through the use of glass (transparent and opaque) throughout the space
 - Trees/forests within the area through the use of wood throughout the space
 - Rock through the use of stone throughout the space
 - The architecture should be organic, and the facility should have defined spaces while maintaining fluidity
 - While important, participants noted that the focus should be on creating places that bring people within the community together
- Participants discussed how architecture could draw visitors to the Centre of Expertise:



- Integrating the landscape into the design of the facility will create a sense of openness
 - There is a creek that runs adjacent to the site that could be highlighted and/or incorporated into the design of the facility
- Informal spaces will create a sense of comfort and belonging for visitors and the community
- Public spaces adjacent to/near the facility will draw visitors and the community
 - There is an opportunity to create a public space across the highway and an elevated crossing that would bring both visitors, the community and wildlife to and from the facility
- Participants noted that the Centre of Expertise could be the starting point for a campus that includes satellite locations for universities/colleges, a residential component and social enterprises
- Confirmation that the Centre of Expertise concept will continue to evolve, taking into account cost, risk, etc.
- Confirmation that further consultation is required with the Wabigoon Lake Ojibway Nation regarding the facility

Actions and next steps:

- Zeidler to create massing concepts for the Centre of Expertise
- Participants of the visioning session to meet to review the massing concepts

End of Document



Minutes of Meeting

Recorded by: Colliers International

Meeting date and time: July 27, 2022; 2:30 – 3:30 pm CST

Meeting location: Virtual – Zoom Meeting

Subject: Centre of Expertise Visioning – Ignace – Session 3

Attendees: Ignace - 4 attendees, Urban Systems - 2 attendees, NWMO - 3 attendees, Colliers/Zeidler - 4 attendees

Highlights of the discussion:

- General introductions to team members from the NWMO, Colliers, Zeidler, the Township of Ignace and Urban Systems
- Zeidler provided the participants with an overview of the objective of the visioning session, which was to discuss Concept Massing Development for the Centre of Expertise and work towards the co-creation of a concept
- Participants discussed the relationship between the site, building and programs of the Centre of Expertise:
 - The proposed site and design of the Centre of Expertise is intended to be a landmark that draws visitors in as well as connects the community and landscape with one another
 - Participants inquired about the concept of the design for the Centre of Expertise. It was noted that the design is intended to provide a gallery / main hall / public gathering space that is connected to hubs / pods for each of the programmatic elements of the facility (i.e., training)
 - Participants noted that the proposed design integrates the facility into the landscape, is organic, is inviting and provides transparency between the public space and the hubs / pods
 - Participants liked the concept of a bridge that crosses the highway but did note that the Township of Ignace does not currently have ownership of the property where the bridge would connect to. Some participants suggested that the bridge should cross the creek as opposed to the highway
 - Participants noted that natural elements should be more prominent within the design (e.g., stone). The façade of the facility could incorporate stone / rock to create bolder angles
 - Participants expressed an interest in better understanding where key aspects of the Centre of Expertise would be located and how they would be integrated into the design (e.g., parking facilities)

Actions and next steps:

- Colliers and Zeidler to distribute the presentation materials to the participants of the visioning session. Participants are encouraged to provide any additional commentary / feedback to the NWMO, Colliers and Zeidler
- NWMO to coordinate the scheduling of the next visioning session with the Township of Ignace

End of Document



Minutes of Meeting

Recorded by: Colliers International
Meeting date and time: August 23, 2022; 1:00 – 2:00 pm CST
Meeting location: Virtual – Zoom Meeting
Subject: Centre of Expertise Visioning – Ignace – Session 4
Attendees: Ignace - 4 attendees, NWMO - 3 attendees, Colliers/Zeidler - 4 attendees

Highlights of the discussion:

- General introductions to team members from the NWMO, Colliers, Zeidler and the Township of Ignace
- Zeidler provided the participants with a recap of the process that has been undertaken to-date, and an overview of the objective of the current visioning session, which was to review and discuss the Final Concept Design
- Renderings of the conceptual design for the Centre of Expertise was presented to the participants. Participants commentary / feedback on the conceptual design of the facility included the following:
 - Outcrops (e.g., granite) could be utilized in place of developed stone to make the pillars look more natural
 - Vegetation draping down the façade of the facility would be inviting and warm
 - The doors of the facility could be better integrated into the overall design
 - Consideration should be given to larger doors (e.g., garage doors or accordion doors) that seamlessly connect the indoor and outdoor spaces of the Centre of Expertise
 - The choice of flooring and window treatments in the facility will be crucial to the user experience
 - Participants wished to see renderings of the Centre in the winter
- Participants noted that the NWMO will need its own space in the Centre of Expertise
- Participants discussed the next steps in the process and corresponding timing

Actions and next steps:

- Colliers and Zeidler to distribute the presentation materials to the participants of the visioning session. Participants are encouraged to provide any additional commentary / feedback to the NWMO, Colliers and Zeidler
- Colliers, Zeidler and the NWMO to finalize presentation materials for the end of September, with the objective of facilitating an in-person presentation to the constituents of the township between September 24th and October 7th

End of Document



Minutes of Meeting

Recorded by: Colliers International
Meeting date: May 2, 2022
Meeting location: Virtual
Subject: Centre of Expertise Kickoff/Introductory Meeting – South Bruce
Attendees: South Bruce - 4 attendees, NWMO - 3 attendees, Colliers/Zeidler - 3 attendees

Highlights of the discussion:

- General introduction to the NWMO, Colliers, Zeidler and the Municipal team.
- South Bruce highlighted the importance of having a statement from NWMO about what can be done and what is possible to incorporate into the Centre of Expertise.
- SON and Metis will need to agree to have this Centre of Expertise as well. South Bruce requested consideration for incorporating design elements which recognize the First Nations.
 - The NWMO highlighted potential for Indigenous Engagement as part of the Centre of Expertise engagement alongside with Municipality of South Bruce or as a separate event(s) conducted by the NWMO Indigenous Engagement team.
- Confirmation to the Municipality from the NWMO that the internal components of the building at this time will be conceptualized down to massing and site concept design only with further details refined in the future.
- Confirmation from the NWMO to the Municipality that the project is not locked-in to a single structure and final location of Centre of Expertise is to be identified. The Centre of Expertise Visioning engagement is for the purpose to allow the Municipality to express their interests and perspective on the site components.

Actions:

1. The NWMO to provide the Municipality of South Bruce with a copy or access link to the Lifecycle Cost Estimate (LCE).
2. The Municipality of South Bruce to provide the NWMO with a list of attendees for the Engagement Session(s).

End of document

Minutes of Meeting

Recorded by: Colliers International

Meeting date and time: July 18, 2022; 4:00 – 5:30 pm EST

Meeting location: Virtual – Zoom Meeting

Subject: Centre of Expertise Visioning – South Bruce – Session 1(A)

Attendees: South Bruce - 11 attendees, NWMO - 5 attendees, Colliers/Zeidler - 4 attendees

Highlights of the discussion:

- General introductions to team members from the NWMO, Colliers, Zeidler and the Municipality of South Bruce
- Zeidler provided the participants with an overview of the objective of the visioning session, which was to identify and discuss community programs that could be synergistic with the NWMO's programs within the Centre of Expertise
- Participants discussed the community program goals for the Municipality of South Bruce:
 - Education was identified as an important community program goal, with participants noting that there are:
 - Opportunities to partner with post-secondary institutions (e.g., co-op programs)
 - Opportunities to educate the public on the nuclear industry and its benefits
 - Sustainability was identified as a community program goal, with participants expressing interest in the possibility of heat recovery for co-generation from the Deep Geological Repository
- Participants were asked to identify their top two priorities / drivers for the Centre of Expertise from the following list: Tourism; Creation of a new industry; Post-secondary education; Revitalization of the community
 - Revitalization (7) and post-secondary education (6) were chosen as the top two priorities / drivers
- Participants discussed other programs that the municipality would like to have as a part of the Centre of Expertise
 - Education-based programs focused on skilled trades, modern agriculture and Indigenous history / culture
 - Incubator program is of interest to the municipality. This concept has been explored as a part of the preliminary partnership meetings with the NWMO
 - Recreation and wellness programs as facilities (e.g., arenas and pools) are reaching the end of their life
 - These programs / facilities could be part of a campus developed around the Centre of Expertise
 - Temporary lodging, conference spaces and daycare spaces were other programs identified by participants
- Participants emphasized that it is important for the Indigenous communities in the area to be involved with the project
- Participants were informed that the specific parcel of land upon which the Centre of Expertise would be located will, in part, be dependent on the programs that are to be included within the facility (as identified through these community consultations)
- Participants discussed, at a conceptual level, potential design / architectural elements for the Centre of Expertise
 - The facility should be accessible / inclusive, to account for the current demographics of the municipality



- Natural elements such as wood and stone should be utilized through the facility
 - Agricultural materials, where possible, should be incorporated / utilized through the facility
 - Consideration should be given to creating an underground component mirroring a mine
- The facility should fit within the natural landscape of the municipality

Actions and next steps:

- NWMO to coordinate the scheduling of the next visioning session(s) with the Municipality of South Bruce

End of Document

Minutes of Meeting

Recorded by: Colliers International

Meeting date and time: July 18, 2022; 6:00 – 7:30 pm EST

Meeting location: Virtual – Zoom Meeting

Subject: Centre of Expertise Visioning – South Bruce – Session 1(B)

Attendees: South Bruce - 7 attendees, NWMO - 4 attendees, Zeidler/Colliers - 4 attendees

Highlights of the discussion:

- General introductions to team members from the NWMO, Colliers, Zeidler and the Municipality of South Bruce
- Zeidler provided the participants with an overview of the objective of the visioning session, which was to identify and discuss community programs that could be synergistic with the NWMO's programs within the Centre of Expertise
- Participants discussed the community program goals for the Municipality of South Bruce:
 - Education was identified as an important community program goal, with participants noting that:
 - Education should be geared towards the jobs / career paths available within the community
 - Foundational courses will benefit the population at large, and professional development courses may draw professionals from outside of the community into the area
 - There are opportunities to partner with post-secondary institutions as well as opportunities to establish a program similar in nature to LaunchPad
 - Environment was identified as an important community program goal
 - The Saugeen River Watershed, which includes the Teeswater River, runs through the community
- Participants were asked to identify their top two priorities / drivers for the Centre of Expertise from the following list: Tourism; Creation of a new industry; Post-secondary education; Revitalization of the community
 - Primary Driver: Revitalization (6); Post-secondary education (2); Tourism (0); Industry (0)
 - Secondary Driver: Post-secondary education (5); Revitalization (2); Industry (1); Tourism (0)
 - Participants noted that education will be an important element in the revitalization of the community
- Participants discussed other programs that could be synergistic with the Centre of Expertise
 - Recreation / Community Spaces – Multi-function spaces available for the community to use
 - Existing facilities are reaching the end of their life and there will be a need for space that the community can utilize for gatherings, etc.
 - Entrepreneurship – Incubator program that could spur entrepreneurship would aid in the revitalization of the community and bring businesses back to the main streets of the municipality
 - Daycare – There is currently a challenge with daycare in the community
- Participants noted that it is challenging to determine how the Centre of Expertise will interact with the community when a location for the facility has yet to be determined



- Zeidler/NWMO noted that the specific location of the CoE will be determined once its programming and potential uses have been established – allowing the vision to lead the location decisions rather than vice versa
- Participants enforced that it is important for the Indigenous communities in the area to be involved with the project
 - The Centre of Expertise could include an interpretive program that speaks to and honours the Indigenous culture and history within the municipality and surrounding areas
 - This program could be linked to the community's history and speak to the future
 - The Centre of Expertise could provide educational opportunities for the Indigenous youth
- Participants discussed, at a conceptual level, potential design / architectural elements for the Centre of Expertise
 - The facility should align with Canada's net zero emission goals
 - The facility should fit within the natural landscape of the municipality
 - It could highlight the agricultural history of the municipality (e.g., timber frame barns)
 - The interior of the facility should be modern, and could be setup to highlight changes over time
 - The interior could speak to the history of the municipality and the Indigenous community

Actions and next steps:

- NWMO to coordinate the scheduling of the next visioning session(s) with the Municipality of South Bruce

End of Document

Minutes of Meeting

Recorded by: Colliers International

Meeting date and time: August 3, 2022; 3:30 – 4:30 pm EST

Meeting location: Virtual – Zoom Meeting

Subject: Centre of Expertise Visioning – South Bruce – Session 2(A)

Attendees: South Bruce - 5 attendees, NWMO - 5 attendees, Colliers/Zeidler - 4 attendees

Highlights of the discussion:

- General introductions to team members from the NWMO, Colliers, Zeidler and the Municipality of South Bruce
- Zeidler provided the participants with an overview of the objective of the visioning session, which was to discuss Concept Massing Development for the Centre of Expertise and work towards the co-creation of a concept
 - Participants confirmed that the priorities that were identified through the polling undertaken at the last visioning session remained accurate
- Participants shared additional feedback / commentary that arose since the last visioning session:
 - The Municipality of South Bruce has undertaken numerous studies (e.g., tourism) within the last few months
 - The findings, which reinforce the training, tourism and cultural themes noted in the previous visioning session, should be taken into consideration as it relates to the Centre of Expertise
 - Participants inquired about the NWMO's base requirements for the Centre of Expertise
 - The NWMO's Lifecycle Cost Estimate reports, which are available to the public, details the base requirements for the facility. The base requirements include, for example, administrative spaces (i.e., offices), a visitors' centre and an engineering test facility
 - Participants inquired about the level of engagement with Indigenous communities in the area
 - Representatives of the Indigenous communities in the area were invited to participate in the visioning sessions, but were unable to attend due to other commitments
 - Indigenous participation will continue to be actively sought out, and elements representing the communities will be incorporated into the Centre of Expertise
- Participants discussed the relationship between the site, building and programs of the Centre of Expertise:
 - It was noted that the location of the Centre of Expertise is to be determined, and that the concept massing design is intended to be generic to capture the key programmatic elements of the facility
 - Participants notionally approved of the idea of pods / hubs for each program within the Centre of Expertise
 - Some participants expressed concern that the modern design of the facility would stand out or not fit in with the broader context of the community (i.e., an agriculturally based community)
 - It was noted that the design of the facility will be driven by its integration into the landscape. The facility will be a natural extension of the community, and the use of materials (e.g., timber, stone, etc.) will be key in linking the Centre of Expertise with the Municipality of South Bruce



- It was noted that the proposed central plaza will support the integration of the NWMO and the Municipality of South Bruce, and will provide the community with a public space where they can gather
- Participants expressed an interest in better understanding where key aspects of the Centre of Expertise would be located and how they would be integrated into the design (e.g., parking facilities)

Actions and next steps:

- Colliers and Zeidler to distribute the presentation materials to the participants of the visioning session. Participants are encouraged to provide any additional commentary / feedback to the NWMO, Colliers and Zeidler
- NWMO to coordinate the scheduling of the next visioning session with the Municipality of South Bruce

End of Document



Minutes of Meeting

Recorded by: Colliers International

Meeting date and time: August 3, 2022; 6:00 – 7:00 pm EST

Meeting location: Virtual – Zoom Meeting

Subject: Centre of Expertise Visioning – South Bruce – Session 2(B)

Attendees: South Bruce - 10 attendees, NWMO - 4 attendees, Colliers/Zeidler - 4 attendees

Highlights of the discussion:

- General introductions to team members from the NWMO, Colliers, Zeidler and the Municipality of South Bruce
- Zeidler provided the participants with an overview of the objective of the visioning session, which was to discuss Concept Massing Development for the Centre of Expertise and work towards the co-creation of a concept
 - Participants confirmed that the priorities that were identified through the polling undertaken at the last visioning session remained accurate
- Participants shared additional feedback / commentary that arose since the last visioning session:
 - Participants inquired about the stakeholders and the level of investment required for the Centre of Expertise
 - It was noted that the key stakeholders at this point in time are the NWMO and the Municipality of South Bruce, and that any shared costs would be negotiated as a part of the hosting agreement
 - It was noted that there are opportunities for the Municipality to seek funding outside of this partnership (e.g., applications to the provincial government)
 - Some participants expressed concern with discussing the Centre of Expertise in further detail without understanding where the facility will be located, what it will contain, etc.
 - It was noted that these sessions are intended to understand the Municipality of South Bruce's vision for programming within the facility and to determine the general organization of the facility
- Participants discussed the relationship between the site, building and programs of the Centre of Expertise:
 - Participants approved of the idea of pods / hubs for each program within the Centre of Expertise
 - Participants expressed an interest in better understanding where key aspects of the Centre of Expertise would be located and how they would be integrated into the design (e.g., parking facilities)
 - Some participants expressed concern that the modern design of the facility would stand out or not fit in with the broader context of the community (i.e., an agriculturally based community)
 - It was noted that the design of the facility will be driven by its integration into the landscape. The facility will be a natural extension of the community, and the use of materials (e.g., timber, stone, etc.) will be key in linking the Centre of Expertise with the Municipality of South Bruce
 - As a counterpoint to some participants' concerns about the facility being too modern, other participants noted that the Centre of Expertise should be as modern and futuristic as possible to reflect the innovative nature of the facility in the nuclear realm



Actions and next steps:

- Colliers and Zeidler to distribute the presentation materials to the participants of the visioning session. Participants are encouraged to provide any additional commentary / feedback to the NWMO, Colliers and Zeidler
- NWMO to coordinate the scheduling of the next visioning session with the Municipality of South Bruce

End of Document



Minutes of Meeting

Recorded by: Colliers International

Meeting date and time: September 6, 2022; 3:30 – 4:30 pm EST

Meeting location: Virtual – Zoom Meeting

Subject: Centre of Expertise Visioning – South Bruce – Session 3(A)

Attendees: South Bruce - 7 attendees, NWMO - 3 attendees, Colliers/Zeidler - 4 attendees

Highlights of the discussion:

- General introductions to team members from the NWMO, Colliers, Zeidler and the Municipality of South Bruce
- Zeidler provided the participants with a recap of the process that has been undertaken to-date, and an overview of the objective of the current visioning session, which was to review and discuss the Final Concept Design
- Renderings of the conceptual design for the Centre of Expertise was presented to the participants. Participants commentary / feedback on the conceptual design of the facility included the following:
 - One participant felt that the proposed size of the facility (40,000 to 50,000 square feet) does not seem proportionate to the anticipated number of employees (200) at the NWMO's head office, however there was discussion about addressing all NWMO workplace needs beyond the conceptual phase
 - The conceptual design and/or the configuration of the facility may have to change based on the size of the lot / land
 - The hubs could be multi-story to reduce the footprint of the facility
 - The group felt that the now-proposed interior of the facility accurately captured previous commentary and reflects a good mix of materials
 - Some in the group reflected that the "plaza" concept may not work as well in a rural setting as it would in an urban setting
 - The space has been imagined as an amenity for the occupants of the facility, but could also function as a gathering space for the community (e.g., townhalls)
- Participants discussed the next steps in the process and corresponding timing

Actions and next steps:

- Colliers and Zeidler to distribute the presentation materials to the participants of the visioning session. Participants are encouraged to provide any additional commentary / feedback to the NWMO, Colliers and Zeidler
- Colliers, Zeidler and the NWMO to finalize presentation materials for the end of September, with the objective of facilitating an in-person presentation to the constituents of the municipality on dates to be determined
 - The South Bruce Community Liaison Committee has approved a presentation to them on October 6th

End of Document



Minutes of Meeting

Recorded by: Colliers International

Meeting date and time: September 6, 2022; 6:00 – 6:45 pm EST

Meeting location: Virtual – Zoom Meeting

Subject: Centre of Expertise Visioning – South Bruce – Session 3(B)

Attendees: South Bruce - 8 attendees, NWMO - 2 attendees, Colliers/Zeidler - 4 attendees

Highlights of the discussion:

- General introductions to team members from the NWMO, Colliers, Zeidler and the Municipality of South Bruce
- Zeidler provided the participants with a recap of the process that has been undertaken to-date, and an overview of the objective of the current visioning session, which was to review and discuss the Final Concept Design
- Renderings of the conceptual design for the Centre of Expertise was presented to the participants. Participants commentary / feedback on the conceptual design of the facility included the following:
 - The renderings of the conceptual design for the facility accurately captures commentary that was provided as a part of previous visioning sessions
 - The functionality and design of the facility will be further defined through ongoing public consultation, consultation with Indigenous communities, the development of a hosting agreement, etc.
- Participants discussed the next steps in the process and corresponding timing

Actions and next steps:

- Colliers and Zeidler to distribute the presentation materials to the participants of the visioning session. Participants are encouraged to provide any additional commentary / feedback to the NWMO, Colliers and Zeidler
- Colliers, Zeidler and the NWMO to finalize presentation materials for the end of September, with the objective of facilitating an in-person presentation to the constituents of the municipality on dates to be determined
 - The South Bruce Community Liaison Committee has approved a presentation to them on October 6th

End of Document

Appendix B

Hill + Knowlton Strategies Report on Survey Results and Raw Data from Public Survey

Centre of Expertise Design Concept Feedback Survey

Draft Final Report

November 8, 2022



Table of Contents

Background and Objectives.....	3
Survey Approach: Methodology	3
Ignace Conceptual Drawings	4
South Bruce Conceptual Drawings	4
Survey Participant Profile.....	5
Summary of Feedback: Ignace.....	6
Summary of Feedback: South Bruce.....	15

Background and Objectives

Canada's plan for the safe, long-term management of used nuclear fuel involves containing and isolating it inside a deep geological repository, more than 500 metres underground in a suitable rock formation. As part of this plan, a Centre of Expertise (CoE) will be established at, or near, the repository site, becoming one of the first large-scale physical features of the project and an important landmark for residents and visitors. The CoE has been identified as a priority focus by both Ignace and South Bruce.

The NWMO has been working collaboratively with the siting communities to develop their respective visions for the Centre of Expertise. As part of this on-going process of learning and dialogue, the NWMO invited community members, as well as other Canadians, to provide feedback on preliminary conceptual drawings of the centre by completing short anonymous survey.

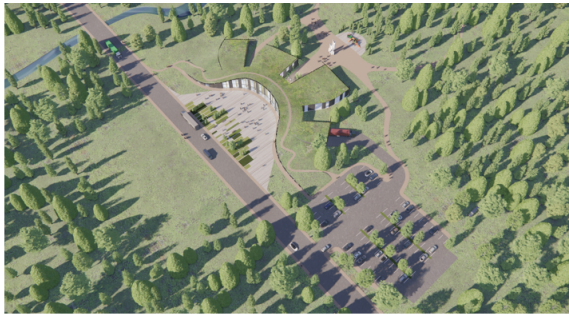
The survey results presented in this report, along with input gathered through other means (e.g., open house events), will help shape the design and function of the centre.

Survey Approach: Methodology

Hill and Knowlton Strategies (H+K), a consulting firm familiar with the siting process, worked with the NWMO to develop the survey questionnaire. All the substantive questions were open-ended, meaning that participants wrote their responses.

The survey invited survey participants to provide feedback on either the South Bruce or the Ignace CoE. Prior to providing their written comments, participants were presented with a set of conceptual drawings of the design concept for the CoE (either Ignace or South Bruce). The two sets of drawings are presented below:

Ignace Conceptual Drawings



South Bruce Conceptual Drawings



Participants could provide their feedback by responding to one or more of the following questions:

- What do you think of this design concept for the Centre of Expertise?
- Do you have any suggestions for the Centre of Expertise designers (i.e., things they should keep in mind)?

- The Centre of Expertise is expected to make significant contributions in several ways, including to the local community and surrounding region. Generally, what are you hoping the Centre of Expertise will do for your community?
- More specifically, what type programs, services (or anything else) could the Centre of Expertise include, to benefit your community? We'd love to hear your ideas.

The survey was available on-line and promoted by the NWMO through various channels, including social media. A paper version of the survey was also available for those who preferred this format.

H+K analyzed the feedback and produced this report.

Survey Participant Profile

A total of 123 people provided feedback on the CoE (i.e., they wrote at least one comment), with the majority focussing on Ignace. The following tables provides some details about who responded.

Total respondents who accessed the survey	251
Total respondents who responded to at least one demographic question	181
Total substantive responses	123
Total substantive responses for the Ignace Centre of Expertise	81
Total substantive responses for the South Bruce Centre of Expertise	27
Other total substantive responses ¹	15

Substantive Responses: Ignace CoE (n=81)				Substantive Responses: South Bruce CoE (n=27)				Substantive Responses: Other (n=15)			
Region		Age Groups		Regions		Age Groups		Regions		Age Groups	
Ignace	49	18-24	2	South Bruce	19	18-24	1	Ignace	2	18-24	0
		25-34	5			25-34	0			25-34	1
Northern Ontario	27	35-44	15			35-44	5			35-44	2
		45-54	11	Southern Ontario	6	45-54	9	Northern Ontario	13	45-54	0
Other regions of Ontario	3	55-64	25			55-64	2			55-64	3
		65+	20	Northern Ontario	2	65+	9			65+	6
Other provinces	2	Prefer not to say	3			Prefer not to say	3			Prefer not to say	3

The following section of the report provides a summary of feedback. Results are presented first for Ignace, followed by South Bruce.

¹ Participants were given the option of skipping the first set of questions.

Summary of Feedback: Ignace

Feedback on the Ignace CoE design concept was mostly very positive. From a physical design standpoint, respondents agreed on the importance of having a CoE that reflects “the North”, and which “blends” with Ignace’s built and natural environments. Based on the drawings, most thought that the design looked promising in this regard. Others, however, expressed concern that the style is “too modern” (e.g., “cold”) to reflect the area/region. The grass roof was the specific physical element that drew the most comments, both supportive and critical.

Analysis reveals that respondents expect the CoE will prominently feature a museum or science center-type facility; this is a given. Similarly, they hope the CoE can drive economic development and revitalization by generating employment opportunities, encouraging tourism, and by housing a range of education and training programs.

Collectively, the respondents envision the CoE as a vibrant community “hub”, achieving inclusion through a diversity of amenities, programs, and services; essentially offering something for everyone. In this vision, community members get married in a grand hall or atrium inside the building, attend community or business meetings, go to movie night, or watch a play. It’s also a place where youth can congregate in a safe, positive atmosphere. Outside, parents watch their children play on beautiful play structures (with washrooms and drinking fountains nearby), people walk-in from town to meet their friends, enjoy the walking on curated paths in summer and snowmobile trails in winter.

The CoE’s safe and secure facilities and grounds are also home to festivals and other events, year-round.

Detailed findings produced by each question are presented below.

Question 1: What do you think of this design concept for the Centre of Expertise located in Ignace?
--

This first question mostly generated feedback on the external physical design of the CoE. Amongst the 81 respondents who provided feedback on the Ignace CoE design, the majority of comments (about 6 in 10) were positive/supportive. Approximately 1 in 3 responses were mixed or neutral (e.g., included both positive and critical comments, provided only suggestions), while about 1 in 10 responses was solely negative/critical (including rejection of the NWMO’s project).

Perhaps the key substantive overarching theme revolved around the challenge of integrating a new, very large building in a rural/wilderness setting: Participants could see a tension between concept’s modern look, which most (but not all) appreciated, and their strong desire to see the building blend with, and complement, Ignace’s physical and natural landscape. Perhaps not surprisingly, the proposed natural/grass roof was the specific design aspect that generated the most commentary.

The following table presents a thematic synthesis of feedback, along with illustrative verbatim quotes.

Themes	Verbatim Quotes
Positive feedback without much elaboration.	<p>“Very nice.”</p> <p>“WOW Amazing!”</p> <p>“I think it's beautiful! I can't wait for it to be built!”</p> <p>“Modern design looks inviting.”</p> <p>“It's beautiful. Will make the township look nice having a beautiful new building here.”</p>
The “modern” concept blends well/complements the physical and/or natural characteristics of the community and surrounding area.	<p>“Looks modern from the front and looks like it blends in with the surrounding area.”</p> <p>“I hope that the green roof and walking path are executed in a ... safe manner, and I do like the idea of how of blends in aerial view.”</p> <p>“Beautiful design and like integration of local resources.”</p> <p>“Love how it is incorporated into the land with the grass roof but would like to see more rock features.”</p>
Concern that the concept maybe too “modern” and may not blend well with Ignace’s built and natural environments.	<p>“Ignace has an old style, bringing in something modern is awesome and ok, but something from 2022 would be better then 2050!”</p> <p>“Looks nice, but I think it is a bit too sleek from the outside. I appreciate the green space on top. I feel that it needs to reflect more on the natural environment, i.e., a bit more rustic and incorporate some natural looking rock Into the design.”</p> <p>Looks very green. Looks a lot more based on what an architect might want in a statement style building and less about the R&D that should be taking place within it... It looks out of place for Northern Ontario.”</p> <p>“It's okay. Looks a bit like an airport terminal and not like it's much fun.”</p> <p>Aerial view looks like it's a home for hobbits and doesn't seem fitting for Ignace.</p>
Questions/comments about technical aspects of the concepts (e.g., roof construction, weather proofing, parking).	<p>“You will need some sort of entry way on exterior doors to keep winter weather out.”</p> <p>“Unsure about the natural roof - is it irrigated so it doesn't turn into burnable material, will</p>

Themes	Verbatim Quotes
	<p>there be control on entry to trail on roof. We need a parking area for semi trucks that is away from other parking.”</p> <p>“Very nice building, hopefully it's not real grass on top as that could lead to roofing issues.”</p>
A few participants took the opportunity to voice opposition to the project.	<p>“Waste should not be deposited in northern Ontario. The people of northern Ontario -- especially the Indigenous people - have already paid an undue price for the electrical present and future of Ontarians.”</p> <p>“Go back where you came from with your waste.”</p> <p>“Considering that most residents of the Dryden area as well as our communities east to Ignace do NOT want NWMO building a storage facility in our area, it is insulting and inconsiderate to tout this multi-million-dollar project as an informational "tourist attraction" to the area.”</p>

In addition to providing feedback on the design concept, several participants put forward suggestions. These recommendations are discussed below, in the summary of Question 2 responses.

It is also worth noting that some people were unsure about the “purpose” of the CoE, especially given the building’s large size: “It looks nice, but I don't fully understand what it will be used for by community members.”

Question 2: Do you have any suggestions for the Centre of Expertise designers (e.g., things they should keep in mind)?

The overarching theme contained in participants’ suggestions is that the CoE can, and should, serve a vibrant community “hub”, offering a range of quality indoor and outdoor amenities, for all age groups.

The most common suggestions pertained to creating attractive, well-designed outdoor spaces and facilities, such as playgrounds, walking and snowmobile trails and picnic areas. Inside the building participants recommend incorporating formal gathering spaces for functions (e.g., weddings), informal gathering spaces (e.g., for youth), along with typical museum-type amenities and services, such as restaurants:

“Looks like a university campus, which is nice, but should emphasize community spaces. NWMO and most nuclear places are very insular and closed-off to the world. This space should be inviting people in. Building a nice space but will the public use it or will it become another elitist space.”

“Actually make sure communities benefit and participate, not just as spectators.”

Safety and accessibility (in ever sense of the word), were also highlighted as key (e.g., how best to deal with the highway).

The following table presents a thematic synthesis of recommendations, along with illustrative verbatim quotes. The table is divided between most common suggestions and other suggestions.

Most Common Suggestions	Verbatim Quotes
<p>Develop curated nature “trails” and amenities (e.g., for walking, cross country skiing, snowmobiling).</p> <p>Ideally, trails link the CoE to the town, allowing residents to walk, cycle, etc. to the Center.</p> <p>Trails should be more than paths, they could include rest stop facilities (e.g., washrooms), signage, educational information (e.g., about the area’s history, flora and fauna and Indigenous people).</p>	<p>“Behind the building, I would like to see trails that lead to information centers/kiosks that highlight some of the unique natural beauties such as barrel falls, pictographs in the area, highlighting several lakes in the area, white otter Castle, snow machine trails, walking trails in town or close to, etc. The places that only locals would know about.”</p> <p>“Add some bird houses along the paths - ensure there are several garbage containers and the ones outside are bear proof - have good lighting along trails that will work well in the -20 and below weather.”</p> <p>“Incorporate ATV and snowmobile trails in the back that connect to existing trails.”</p> <p>“The snowmobile club is right next door so maybe have some designated snowmobile/ATV parking and work with them with regards to the trail development.”</p> <p>“Would like to see trails in both side of the building connecting down to the downtown core and to the residential area from hwy 17 to Davy Lake Road with a rest stop/shelter mid way in case of weather or a need to rest.”</p>
<p>Safety as a priority (a reflection of the NWMO’s values).</p> <p>There were quite a few comments about “the highway”, with the main thrust being that changes will need to be made to existing transportation infrastructure to ensure public safety, particularly for</p>	<p>“Locals will need safe passage across the highway, perhaps a bridge.”</p> <p>“Will the speed limit of that section of highway be reduced from 70km to 50km or less? Will there be turning lanes?”</p>

<p>people who will not be driving (or who prefer not to drive).</p>	<p>“A sidewalk should be erected to connect to the rest of community, davy lake rd-hwy17-pine street. Also a pedestrian only bridge could be built over agimak creek connecting with some sort of walk way over/under the hwy to lead residents to the facility more safely.”</p> <p>“Accessibility - since there are no sidewalks at that side of town, consider building a cross walk so people can safely cross the highway.”</p> <p>“Can the building be built on the southern side of the highway, so that it is accessible to the community by foot?”</p>
<p>Include a large and attractive hall or gathering place (e.g., an atrium) for holding functions (e.g., banquets, weddings).</p> <p>Include a multi-purpose auditorium.</p> <p>Include casual/informal gathering spaces (e.g., for youth).</p>	<p>“I would like to see a larger atrium where people could hold parties or get together.”</p> <p>“The atrium needs to be large for people to gather and even hold celebrations such as weddings.”</p> <p>“I would like to see a space at the centre to hold events such as a banquet hall that would serve multi purposes (endings, small exhibitions, conventions up to 500 people perhaps.).”</p> <p>“Incorporate auditorium with retraceable seating/stage that can be concealed. then the room can convert for various events i.e., weddings, conferences, training programs, dance recitals, movie nights.”</p> <p>“Include a youth center into the building for our teens.”</p> <p>“Create a lounge area inside for people to hangout with comfy couches / tv / computers / natural looking fireplace etc. for groups like our youth.”</p>
<p>Outdoor facilities and amenities for all age ranges (e.g., where there are always people and something going on).</p>	<p>“If there is a playground on site, there should also be washrooms in close proximity if we are expecting tourists with children.”</p> <p>“A picnic area.”</p> <p>“Perhaps consider an area for BBQs or a ceremonial fire pit?”</p>

	<p>"Install some cool bike racks."</p> <p>"A bandstand for outdoor shows and events."</p> <p>"Would like to see a pavilion or shelter for vendors/outdoor events."</p>
Other Suggestions	Verbatim Quotes
Include art/space to display art.	"A small art gallery space."
Need to remediate/"clean up" parts of the area surrounding the CoE.	"Current proposed location will need remediation and clean up as was an old gas station site and is in anaesthetic industrial area."
Consider integrating municipal offices within the CoE	"Maybe relocate the town office in the facility?"
Endeavour to build and maintain the CoE using local materials, including vegetation for the roof.	"Can local vegetation be used instead so that it does not look like a football field in the middle of a forest?"
Have the name reflect the area/region (this was only suggested by one person)	"I think the name of the facility should encompass our community somehow. Something that is eye catching and attractive rather than just Centre of Expertise (e.g., Northwest Centre of Expertise, Ignace Regional Discovery Center, The Agimak Center, Sunset Country Atomic Centre of Expertise)."
Include typical museum-type amenities (e.g., gift shop, restaurant, "snack shack")	"There should be a restaurant."
Needs to include Indigenous elements	"Try and factor in Indigenous views and history."

Question 3: The Centre of Expertise is expected to make significant contributions in several ways, including to the local community and surrounding region. Generally, what are you hoping the Centre of Expertise will do for your community?

It is clear from their comments that survey participants are hoping that the CoE will make several tangible contributions to the well-being and sustainability of the community. The most common of these, by far, pertains to economic benefits, in the form of increased tourism, employment opportunities and increased spending at local businesses.

Many participants spoke about local youth and the positive impacts the CoE might have in their lives in the form of practical things like training and employment opportunities, but also as a source of inspiration and exposure to a world of diversity and ideas.

The following table presents a thematic synthesis of recommendations, along with illustrative verbatim quotes.

Themes	Verbatim Quotes
<p>A source of economic growth and community revitalization:</p> <ul style="list-style-type: none"> • Through employment opportunities, including “high paying” professional positions. • Attracting visitors/tourists to the area, thereby stimulating local businesses. • Diversification of the local economy, particularly tourism. 	<p>“Provide opportunity for local employment. Help provide for additional business opportunities. Growth in size of community. Help with infrastructure.”</p> <p>“Attract tourists, provide employment and boost economy. Hoping that consideration is given to local established businesses and the centre does not take away from restaurants, souvenir shops and coffee shops by being too much of an internalized independent venue.”</p> <p>“An attraction for visitors. These visitors will provide business to other establishments.”</p> <p>“Long-term full-time employment opportunities in customer service, scientific expertise, building and grounds maintenance.”</p>
<p>A source of pride and a community focal point that will allow residents to interact with a much broader array of people (e.g., cosmopolitanism).</p>	<p>“I would like it to make a statement about the community and what Ignace represents.”</p> <p>“Meeting place for the world nuclear scientific community.”</p> <p>“Collaboration and bringing people together.”</p> <p>“Bring more professional people to the area.”</p> <p>“Cornerstone of most activities in the community. Will be one of a kind in Canada.”</p> <p>“... educate and promote Northwestern Ontario as a tourist destination.” .</p>
<p>To serve as an inclusive (i.e., meeting a range of needs) educational and training hub for the community and region, and a source of inspiration for youth.</p>	<p>“... scholarships and bursaries for postsecondary education.”</p> <p>“Create training opportunities for our youth/low income families - give our community an opportunity to explore different career pathways.”</p>

Themes	Verbatim Quotes
	<p>“Educational opportunities for youth.”</p> <p>“Continuous learning opportunities for local residents.”</p> <p>“Bring in specialized training but also adult literacy for our more vulnerable. Have some high tech classrooms that can utilized by education institutes. Heavy equipment simulator for example.”</p>
Voicing opposition to the project/APM and expressions of concern that the CoE is aimed at influencing community support for the project:	<p>“Again, this appears to be a bribe. This is complete nonsense.”</p> <p>“It will do absolutely nothing. People only pass through this area because it is on the TransCanada highway and visit here for fishing, hunting and camping... For years NWMO has been buying its way into our area communities, aka buying votes, and this is just another example.”</p> <p>“Nothing. Don't want it. It's bribery. Plain & simple.”</p>

Question 4: More specifically, what type programs, services (or anything else) could the Centre of Expertise include to benefit your community? We'd love to hear your ideas.

The overarching theme conveyed in the responses to this question is inclusion through diversity. This is the simple, yet compelling, notion that if all community members are to benefit from the CoE, then it needs to have something for everyone: “[A] social and recreation hub along with the educational and administrative hub.”

The following table presents a thematic synthesis of recommendations, along with illustrative verbatim quotes.

Themes	Verbatim Quotes
Employment-focused education, training, and skills development (e.g., satellite campus, classrooms).	<p>“College campus - online campus like Dryden has, skilled labour training or training specific to jobs for the project.”</p> <p>“Hosting certificate programs, maybe connecting with regional colleges where locals can get trained and not have to leave town, apprentice opportunities.”</p>

Themes	Verbatim Quotes
Museum/science center-type of programming and facilities aimed at public education and awareness raising about relevant topics, such as the DGR project, nuclear energy, the North (e.g., environment/ecosystems), as well as Indigenous communities. Aimed at tourists, as well as community-members.	<p>“Arts and culture centres.”</p> <p>“Tourist destination, new location for our heritage centre!”</p> <p>“Education for all ages in terms of the science... Make Ignace a destination point for visitors.”</p> <p>“Educate people on uses of nuclear fuel, how it's stored.”</p>
Business support services/entrepreneurship programs.	<p>“Social enterprise (business expertise) Municipal services Arts and culture centres Public focussed.”</p> <p>“Create a space for entrepreneurs to jump start their business, run a "win this space" type contest where winner gets a space for their first 2 years as an example.”</p> <p>“Meeting area for local organizations.”</p>
Spaces for events, meetings, celebrations (e.g., to rent for weddings).	<p>“Weddings, community events...”</p>
Some services, facilities and programs aimed at youth, and other aimed at families and children.	<p>“Kids Centre/interactive area to ensure families can enjoy the establishment together. Like the cultural and training centres incorporated into design.”</p> <p>“Youth programs are desperately needed.”</p> <p>“Hands on interactive area for kids.”</p>
Arts and recreational programming along the lines of what was created in 2020 in Borups Corners.	<p>“Start by acknowledging Dymont/borup's corner.”</p>
Voicing opposition to the project/APM and expressions of concern that the CoE is aimed at influencing community support for the project.	<p>“Please concentrate ONLY on the BRUCE designs - you are proposing to KILL our environment - keep the waste where it is generated!”</p> <p>“You are only fooling a few people. Stop pushing to have the nuclear waste put in our area, we do not want it here.”</p>

Summary of Feedback: South Bruce

Most of the comments on the South Bruce design were positive, but not universally so. As with Ignace, people agreed that the building should blend with and reflect local history (e.g., farming), architecture, the environment, and Indigenous peoples. There was a range of opinion, however, concerning how well the current design appears to succeed in doing this.

Collectively, participants' aspirations for the South Bruce CoE includes the following facets:

- Economic growth and revitalization through tourism, an innovation hub, partnerships with local business and education and training opportunities for youth (e.g., key to "keeping" young people in the community).
- A variety of quality arts and culture facilities and programs for local and regional community members to enjoy.
- Outdoor and indoor spaces that bring people together (e.g., meetings, bake sales, farmer's market, exhibition of antique farm machinery).
- Childcare services.

Question 1: What do you think of this design concept for the Centre of Expertise located in Ignace?

Among the 24 participants who provided feedback on the South Bruce CoE design, 13 were positive/supportive, four provided a mixed or neutral assessment, while 7 were solely negative/critical (including rejection of the project/APM), including some who were opposed to the project.

Consistent with reactions to the Ignace CoE design, the building's modern look appeals to many, but not others. The main critique/concern is that the building does not fit with South Bruce's bucolic setting and agricultural history. The grass roof stands-out draws mixed reactions, but participants feel they understand why it is part of the design.

The following table presents a thematic synthesis of feedback, along with illustrative verbatim quotes.

Themes	Verbatim Quotes
Positive feedback without much elaboration.	"Impressive." "Good start"
The "modern" concept blends well/complements the physical and/or natural characteristics of the community and surrounding area.	"I like the modern look of it and how it ties into the agricultural feel. Hesitate how the grass-looking roof would look and perform in seasons outside summer..."

Themes	Verbatim Quotes
	<p>"I like the modern design and the theme of the building being built into the earth - especially when the building will be showcasing technology underground. The green/grass roofs settle the building into the surroundings."</p> <p>"Like the curved lines, they are more inviting. - wood reflects the natural landscape - believe in the green material on the roof."</p>
Concern that the concept maybe too "modern" and may not blend well with South Bruce's farming character and history.	<p>"It is a grandiose structure to be built on agricultural land that will be needed in the future to grow food. These drawings do not reflect the South Bruce area."</p> <p>"... I understand the green space but not the green rooftops. ... A facility that captures and combines the 'small-town' feel with a modern design would be preferable..."</p> <p>"It needs work. I can see that the design is trying to grow out of the land, with some formal acknowledgement of outlooks and weather protection - but it's difficult to understand. It's extremely modern, and missing the opportunity to really be the right building in the right place... In order to actually be from this place and be accepted by these people, the form must reflect the farming vernacular. Look at the white brick century old farmhouses, with their pitched roofs and deep porches..."</p>
A few participants took the opportunity to voice opposition to the project.	<p>"I don't want this cause that means the nuclear waste is here too."</p>

In addition to opining on the design concept, several participants put forward suggestions as part of their response to the first question. This feedback is discussed below, in the summary of Question 2 feedback.

Question 2: Do you have any suggestions for the Centre of Expertise designers (e.g., things they should keep in mind)?

Collectively, respondents would like the designers to envision:

- A community hub that is accessible and of interest to all age ranges, with strong linkages to the community, and to the region's Indigenous peoples.
- A source of economic development based not only on tourism, but also partnerships with local businesses.
- A timeless design that both reflects and respects local history and the built and natural environment.

In addition, a few respondents voiced opposition to the project.

The following table presents a thematic synthesis of recommendations, along with illustrative verbatim quotes.

Themes	Verbatim Quotes
Multi-purpose “community hub”, which appeals to all age groups.	<p>“Community hub, important emphasis on international circles as a concept, butterfly conservatory inside.”</p> <p>“Open space for community small gatherings.”</p> <p>“Multi-purpose spaces (indoors and out).”</p> <p>“Accessible areas that would appeal to all age levels, something built in to draw attention and learning at all age levels, open area community gathering areas.”</p> <p>“... Appeal to a variety of ages and interests.”</p> <p>“Meeting space for non-profit groups e.g., scouts, brownies.”</p>
Strong linkages to the community, its history, and the regions Indigenous people.	<p>“Find the pride of the people who have been stewards of this land for generations, and reflect that. Get to know the host nations, and bring some of their design language into it - make a place for their story to be expressed. But it must be directed by them.”</p> <p>“Input from our Indigenous neighbours is also critical - incorporated into the overall design - a definitive and poignant representation of our respect for Mother Nature.”</p> <p>“Pursue excellence. Incorporate the passage of time into heart of this building. Build it to last forever.”</p>

Themes	Verbatim Quotes
A source of economic development that includes tourism, but which is also not limited to tourism.	<p>“Connect with local businesses. Ag, farming, manufacturing, wood working, sawmills etc. Showcase the community...”</p> <p>“Business partnerships - examples and education for tourists and employees.”</p> <p>“Accessible in town full information tourist type Centre with expertise in the entire process.”</p>
Accessible in every sense of the word (e.g., for persons with a disability, walking distance, parking).	<p>“Green space/ walking area is a good idea if location is accessible (e.g., walking distance) to town. – parking...”</p> <p>“Ensure an accessibility expert is a key contributor in the overall design.”</p>
Reflecting and respecting the local environment.	<p>“I hope the design of the building will have a low carbon footprint - take advantage of solar and geothermal energies (for example, positioning of windows) and be cost-effective to operate using electricity.”</p> <p>“... as much eco friendly as possibly/ natural elements (use stone that was extracted from borehole and digging as art attraction).”</p>
A few participants took the opportunity to voice opposition to the project.	<p>“Go away! don't want you here.”</p>

Question 3: The Centre of Expertise is expected to make significant contributions in several ways, including to the local community and surrounding region. Generally, what are you hoping the Centre of Expertise will do for your community?

The overarching theme emerging from the comments is one of economic revitalization, with respondents seeing the CoE achieving this goal in three ways, through: 1) employment and training/educational opportunities for local/regional residents, 2) tourism, and 3) by housing a world class science and innovation hub.

The vision also includes the type and quality of arts and culture facilities that are rarely found in small towns/rural communities.

The following table presents a thematic synthesis of recommendations, along with illustrative verbatim quotes.

Themes	Verbatim Quotes
Economic development/revitalization through employment opportunities and training/education, especially for youth.	<p>“Bring jobs and training to our local communities.”</p> <p>“Create employment. Create tourism. To become a learning center.”</p> <p>“Provide training for various skilled trades and clerical opportunities - ongoing educational sessions.”</p> <p>“Retain youth training education social aspect incorporating something like SVCA into a greenhouse or learning area of local habitats.”</p> <p>“Education and training, so don't have to go to city for education (retain youth).”</p>
Economic development/revitalization as a center for advanced research and innovation (e.g., with an international brand).	<p>“Be an innovation hub for nuclear sector, agriculture and robotics.”</p> <p>“... be an incubation for innovation. help with growth.”</p> <p>“... become an education, research and development destination for international experts.”</p>
Economic development through tourism with a focus on subject matter related to the NWMO project (e.g., long-term management of used nuclear fuel, nuclear energy, green energy.	<p>“Educate visitors about the nuclear energy life cycle - and of course, nuclear waste. It will attract tourists so it should provide a link to other areas of interest in the region.”</p> <p>“Increase tourism to area... - - bring revenue info into south bruce to reduce taxes.”</p> <p>“The CoE should be a place that acknowledges the contribution of the local community to the nuclear industry, to the province, and to generations to come... It should express future developments in DGR technology over time and be able to change with it.”</p>
High quality arts and culture facilities and programming to be enjoyed by local/regional residents, as well as tourists/visitors.	<p>“... Renowned guest speakers - science centre - nature centre - historical overview of the site and community - nuclear innovation - no fee (cost free) admittance to all activities and events - showcase local talent via concerts etc. - playhouse/theatre...”</p>

Themes	Verbatim Quotes
	"Allow access for rural residents to amenities typically found in urban areas - example: the arts, music/ theatre, cultural centre, languages education."
A few participants took the opportunity to voice opposition to the project.	"I don't want a centre here because that means the nuclear waste will be here too."

Question 4: More specifically, what type programs, services (or anything else) could the Centre of Expertise include to benefit your community? We'd love to hear your ideas.

Several comments reiterated previous suggestions around providing training/educational opportunities (e.g., for youth), attracting tourist through the development of museum or science center-type facilities and linkages with local businesses, as well as reflecting local history and Indigenous peoples.

Two new themes also emerged: 1) include programs and spaces that will encourage community members to gather, including outdoors, 2) incorporate childcare services.

Themes	Verbatim Quotes
Programs and services that will bring community members together, including outdoors.	<p>"I would really like to see a space where we can come together to share local food and a space for performing arts. Can there be community vegetable gardens, beehives, flowers etc.? This would be an excellent way to blend into the landscape."</p> <p>"As many local churches are suffering, it would be proper to design a structure that would be suitable for residents to gather and work on the broken relations that have developed over recent years."</p> <p>"It could also have space for local artists and businesses to showcase their wares and abilities... . Space for a local farmers market. Have it on the same days of the week so people can plan a day trip."</p> <p>"Include space for small local gatherings i.e., bake sales, seniors' information meetings."</p> <p>"Expand on agriculture uses, experimental plots etc.."</p>

Themes	Verbatim Quotes
<p>Include childcare services.</p>	<p>“Perhaps day care space.”</p> <p>“... depending on where it is located childcare should be mentioned.”</p> <p>“... childcare centre ...”</p> <p>“full day childcare (for both employees and community - if accessible and a good location).”</p>

Response ID	Date Submitted	Status	Referer	SessionID	OPROVNC	REGION_ON	REGION_QC	QPOSTAL_CODE	Please provide your age	Which design concept you would like to provide feedback on?	What do you think of this design concept for the Centre of Expertise located in Igoué?	Do you have any suggestions for the Centre of Expertise designers (e.g., things they should keep in mind)?	Do you have any suggestions for the Centre of Expertise located in South Truro?	Do you have any suggestions for the Centre of Expertise designers (e.g., things they should keep in mind)?	Generally, what are you hoping the Centre of Expertise will do for your community?	More specifically, what type programs, services (or anything else) could the Centre of Expertise include to benefit your community? We'd love to hear your ideas.
16	2022-10-03	Partial	164801261, 633a2b0dab46:75810890		Ontario	Eastern Ontario (e.g. Ottawa, Belleville, Kingston, Cornwall)	Outside Quebec	kda	25-34 years	I don't want to provide feedback on either design concept						
17	2022-10-03	Partial	https://www.memoire.ca/166480334, 633aa206716a0b:23882141		Ontario	Greater Toronto Area (GTA) (e.g. Toronto, Etobicoke, North York, Brampton)	Outside Quebec									
18	2022-10-03	Partial	166480310, 633aa3a2c71073:34880179		Ontario	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec									
19	2022-10-03	Complete	1664804024, 633aa0481e4a8:11327862		Ontario	Greater Toronto Area (GTA) (e.g. Toronto, Etobicoke, North York, Brampton)	Outside Quebec	P9A1V9	25-34 years	The design concept for the Centre of Expertise located in Igoué	Test - for QR code	Test			Test	Test
20	2022-10-03	Partial	1664804564, 633aa6d44933578:29957175		Ontario	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	L6S46	35-44 years	The design concept for the Centre of Expertise located in Igoué						
21	2022-10-03	Partial	1664812835, 633a0723c22646:37611826		Ontario	Outside Quebec	P0T1T0		45-54 years	The design concept for the Centre of Expertise located in Igoué						
22	2022-10-03	Complete	1664813910, 633a0b6651d663:3807179		Ontario	Southwestern Ontario (e.g. Guelph, Kitchener, London, Windsor)	Outside Quebec	N0S3K0	45-54 years	The design concept for the Centre of Expertise located in South Truro						
23	2022-10-03	Complete	1664814732, 633a2b789152:43864208		Ontario	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	25-34 years	The design concept for the Centre of Expertise located in Igoué	Good - mimics the Township Office					
24	2022-10-03	Complete	1664814737, 633a2b0d113834:38820625		Ontario	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	45-54 years	The design concept for the Centre of Expertise located in Igoué	I like the programming and design materials, the pillars should mimic the natural rock outcrops? Maybe relocate the town office in the facility?	If there is a playground on site, there should also be water rooms in close proximity if we are expecting motorists with children. Should also consider cross walk lights on the highway or traffic lights for that area. The wet back need to be extensive - too close to highway and will be impacted by Ministry of Transportation with their right of ways and snow storage/paving needs.				
25	2022-10-03	Partial	1664816558, 633a15a626806:85972118		Ontario	Outside Quebec										
26	2022-10-03	Partial	1664817811, 633a1a031c8c5:14782748		Ontario	Outside Quebec										
27	2022-10-03	Complete	1664818701, 633a1a0b4dbd07:69139129		Ontario	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	35-44 years	The design concept for the Centre of Expertise located in Igoué	The green roof is advertised as being integrated with historical landscapes, but I'm not sure, with the surrounding forest. Can local vegetation be used instead so that it does not look like a football field in the middle of a forest? The building is built on the northern side of the Trans-Canada highway, which will act as a barrier from integrating with the community. Can the building be built on the southern side of the highway, so that it is accessible to the community by foot?					
28	2022-10-03	Complete	1664819351, 633a20973199406:10407465		Ontario	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	55-64 years	The design concept for the Centre of Expertise located in Igoué	Looks nice, don't want to take away from other attraction or businesses within the community and would want to encourage drive people to venture about and shop within the community. Would like to see trails on both sides of the building connecting down to the downtown core and to the residential areas from Hwy 17 to Stony Lake Road with a rest stop/shelter and way in case of weather or a need to rest.	People will have parks, would like to keep a green space separate for that as some do not want pets around. Keep Municipal and Tourist Attraction Centre separate from this building. Teaching/killed trades potential. A small gift shop and a small snack area. Lots and lots of visual art, history, maps, picnic areas, water fountains, rest rooms, a place for all ages, student jobs (CSC, tour, gift shop etc.). An Internet cafe maybe, outside space for recreation.				
29	2022-10-03	Partial	1664803799, 633a3a3d716872:13801794		Ontario	Greater Toronto Area (GTA) (e.g. Toronto, Etobicoke, North York, Brampton)	Outside Quebec	LSJ	25-34 years	The design concept for the Centre of Expertise located in Igoué		df				
30	2022-10-03	Partial	1664818647, 633a1a6b77be279:82721543		Ontario	Outside Quebec										
31	2022-10-03	Partial	1664819699, 633a21f54fc0b:15942143		Ontario	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	65 years and over	The design concept for the Centre of Expertise located in Igoué						
32	2022-10-03	Complete	https://m.facebook.com/1664820023, 633a2242120028:54362504		Ontario	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0								
33	2022-10-03	Complete	https://m.facebook.com/1664820452, 633a244413a03:262414		Ontario	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	55-64 years	The design concept for the Centre of Expertise located in Igoué	Wow - Love them	handi-capped access			build it up, jobs, homes, enrollment in our school medical care	
34	2022-10-03	Partial	https://m.facebook.com/1664820529, 633a30531891502:88474882		Ontario	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0								
35	2022-10-03	Complete	https://m.facebook.com/1664820629, 633a295940680:36872102		Ontario	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0								
36	2022-10-03	Complete	https://m.facebook.com/1664821508, 633a2904645638:00512786		Ontario	Greater Toronto Area (GTA) (e.g. Toronto, Etobicoke, North York, Brampton)	Outside Quebec	LSJ	45-54 years	The design concept for the Centre of Expertise located in Igoué					Bring more people to our little town	
37	2022-10-03	Partial	1664821579, 633a294623a741:38650268		Ontario	Outside Quebec	LSJ		25-34 years	The design concept for the Centre of Expertise located in Igoué						

[illegible]

[illegible]

2022-10-04	1664819739, 633022157	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0110	35-44 years	The design concept for the Centre of Expertise located in Ignace	Looks great. It will certainly make that end of town more attractive and inviting.	1. Accessibility - since there are no sidewalks at the side of town, consider building a cross walk so people can safely cross the highway. 2. Trail usage. Have some trails designated for foot traffic where others are for cars and snowmobiles. These trails will need to be clearly marked. Especially the one that goes above the building, need to have it so snowmobiles can't get up there. The snowmobile club or right next door to make have some designated snowmobile parking and work with them with regards to the trail development. That is how a lot of our team get around too. 3. Install some cool bike racks. 4. I would come up with a few variations for the main look to better suit Ignace. Love how it is incorporated into the land with the grass roof but would like to see more rock features. Thinking wood pillars look amazing inside but feel they should stand out more from the outside, also would like to see a bit more edge. 5. Consider energy efficient lighting/design features and promote it. 6. Create a lounge area inside for people to hangout with comfy couches/ tv/ computer/ natural looking fireplace etc for groups like our youth. 7. Add a few pine outside by playground for people to explore	Bring in specialized training but also adult literacy for our more vulnerable. Have some high tech classrooms that can utilized by education institutions. Heavy equipment simulator for example.	Be a central location for other service providers in contact north. Employment and training office, 4. Interactive activities to teach all age groups about the project and other types of power generation.	
2022-10-03	https://www.memoire1664803827, 63303908ba	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8N1V9	35-44 years	The design concept for the Centre of Expertise located in Ignace	Looks very green. Looks a lot more based on what an architect might want in a statement style building and about the theme. It should be taking place within it. These will deliver me made there? It looks out of place for Northern Ontario.	It's cold here. That is a great number of windows that go from floor to ceiling... Operationally difficult to maintain and not very robust. Consider the northern look and feel. I don't see much in the way of indigenous elements or architecture of our northern climate. The building needs to be robust and multi-purposeful. That doesn't seem to be present in the current mock-ups.	Multi-purposed. Robust. Reflective of the area. Cultural elements. High efficiency. Low maintenance. Focus on form and function ties on architecture and fancy design elements that will only increase the cost of the build.	Gathering place. Educational space.	
2022-10-03	1664819812, 633022649	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0110	25-34 years	The design concept for the Centre of Expertise located in Ignace					
93 17:34:09	Partial	b2ae5.00065979	Ontario								
2022-10-03	https://www.facebook.com/1664853664, 6330a6a08	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0110	65 years and over	The design concept for the Centre of Expertise located in Ignace					
94 23:23:17	Partial	68f58.12665714	Ontario								
2022-10-04	https://www.facebook.com/1664851479, 6330a587f	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0110	25-34 years	The design concept for the Centre of Expertise located in Ignace	Excellent design from a talented individual, provides an excellent opportunity for the town.		Help form a healthy community, and promote growth	An increase of activities focusing on helping the youth develop skills	
95 00:27:56	Complete	29a07.83029235	Ontario				Would like to see a pavilion or shelter for vendors/ outdoor events. Needs safety considerations along rail line, creek and off highway near parking area such as fencing. Beautiful design and like integration of local resources. Current proposed location will need remediation and clean up as was an old gas station site and is in unconsolidated industrial area.	Areas for snow removal needed. Could be a hub for snowplowing and doing rail system should be considered. Barriers to road access. Like that there are no stairs and the building looks accessible. Perhaps consider an area for BBQ or a communal fire pit?	Attract tourists, provide employment and boost economy. Hoping that consideration is given to local established businesses and the centre does not take away from restaurants, however shops and coffee shops by being too much of an intervalled independent venue	Kids Centre/ interactive area to ensure families can enjoy the establishment together. Like the cultural and training centres incorporated into design.	
2022-10-04	https://www.facebook.com/1664880103, 6330a675	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0110	45-54 years	The design concept for the Centre of Expertise located in Ignace					
96 08:57:32	Complete	80167.5983207	Ontario								
2022-10-04	https://www.facebook.com/1664880850, 6330c15454	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0110	45-54 years	I don't want to provide feedback on either design concept					
97 08:24:16	Partial	4ee4a.83013400	Ontario								
2022-10-04	https://www.facebook.com/166488611, 6330c2730	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0110	35-44 years	The design concept for the Centre of Expertise located in Ignace					
98 09:05:28	Complete	39a0c.48079437	Ontario								
2022-10-04	https://www.memoire1664890532, 6330c6442	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8T0A7	65 years and over	The design concept for the Centre of Expertise located in Ignace	Very nice	No	I do not understand the purpose	Unknown	
99 09:38:31	Complete	72227.68425873	Ontario								
2022-10-04	https://www.memoire1664890542, 6330c8a94	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8N1W7	Prefer not to say	I don't want to provide feedback on either design concept			I cannot believe it is being considered, in the face of transportation in our area. The highway in Northwestern Ontario was closed almost every day last winter at some point. Unless our highway will be terminated before this all comes about, there is no way transposing this dangerous problem here is a reality.		
100 09:41:30	Complete	e5f44.17781164	Ontario								
2022-10-04	https://www.memoire1664890704, 6330c3750a	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	p8f115	55-64 years	The design concept for the Centre of Expertise located in Ignace	Nice!	No	Jobs	Information	
101 09:40:10	Complete	c0a68.87348806	Ontario								
2022-10-04	https://www.memoire1664891247, 6330c390f6	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0VZX0	65 years and over	The design concept for the Centre of Expertise located in Ignace	Design looks ok, but cannot believe tourist would visit it.	Showing life in plants, our watershed, NATURE, NATURE	Think it will keep the fishermen and wildlife tourism far away from there. Not a tourist destination.	A small college for natural resources and nuclear waste. Think tanks for scientists to come up with ways to dispose of the waste another way. Recycle.	
102 12:08:54	Complete	6c286.36501250	Ontario								
2022-10-04	https://www.memoire1664891346, 6330c3c2a7	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec								
104 09:59:13	Partial	c413364.08339870	Ontario								
2022-10-04	https://www.memoire1664891963, 6330c3c38a	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T3T0	65 years and over	The design concept for the Centre of Expertise located in Ignace	should be built with local materials in granite rail and white pine logs	geo thermal heating	class it up	ambassador to a friendly community	
105 10:16:58	Complete	c4209.2822471154	Ontario								
2022-10-04	https://www.memoire1664892039, 6330c3b9f2	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8N155	65 years and over	The design concept for the Centre of Expertise located in Ignace	It looks terrific and will be great addition to Ignace and all of Northwestern Ontario.	It looks fine.			
107 10:10:27	Complete	21a86.66083090	Ontario								
2022-10-04	https://www.memoire1664892451, 6330c4236	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8N155	65 years and over	The design concept for the Centre of Expertise located in Ignace			Stay out of it. Keep the nuclear waste near where the power is made... in southern Ontario.	It could be respectful of the untouched natural environment of the north, stay off the poorly driven highways and help the community of South Bruce.	
108 10:36:44	Complete	16a69.80193272	Ontario								
2022-10-04	https://www.memoire1664893982, 6330c4a1a7	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8N0G2	65 years and over	The design concept for the Centre of Expertise located in Ignace	I think that it looks terrific!	I think that it has been well thought out.	It will answer questions mainly about the safety of the storage of nuclear waste.		
109 10:38:04	Complete	a0507.65903441	Ontario								
2022-10-04	https://www.memoire1664894511, 6330c462fa	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8N055	55-64 years	The design concept for the Centre of Expertise located in Ignace	It's beautiful. Well thought out design.	+++ traffic on Hwy 17			
110 10:43:48	Partial	72f46.45977303	Ontario								
2022-10-04	https://www.memoire1664895683, 6330c4a34	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8N0E4	Prefer not to say	The design concept for the Centre of Expertise located in South Bruce		Perfect	Tell people that the nuclear waste from southern Ontario is being kept in southern Ontario	Educate people	
111 11:04:09	Complete	b5707.77048004	Ontario								
2023-10-04	https://www.memoire1664895715, 6330c4aak3	Ontario									
112 11:02:02	Partial	92f0a9.74594389	Ontario								
2022-10-04	https://www.memoire1664895814, 6330c4b8d	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8N0G2	65 years and over	The design concept for the Centre of Expertise located in South Bruce		Looks nice. It should be in South Bruce as there is a population base to sustain the normal use of the building. In Ignace such a small population could not continue to sustain the building once the decision is made to locate the nuclear waste in South Bruce	Population of the area to continue the sustainability of the building once a decision has been made.	I live in Dryden so I do not see any positive results from building the centre in Ignace. It is too far away for residents to use on a regular basis. South Bruce would be of closures in the winter so accessing the facility would be difficult. I do not see the most obvious choice for this Centre	Again my community is over an hour away on the highway which has a high rate of closures in the winter so accessing the facility would be difficult. I do not see any benefit for my community
113 11:16:19	Complete	a0907.12669995	Ontario								

[illegible]

2022-10-04	https://www.memo/1664920229,633aa086	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P9ND41	55-64 years	The design concept for the Centre of Expertise located in Ignace	Looks beautiful and multifunctional	Community access. Places to stay if this becomes attraction. Restaurants things open after 6 pm. Community infrastructure.	Raise awareness of region. High-paying jobs. Research and development. Tourism.	Youth programs are desperately needed.
141 17:50:24	Complete	ca/ N70.5883710	Ontario							
2022-10-04	https://www.facebook.com/2498709567043	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	45-54 years	The design concept for the Centre of Expertise located in Ignace	It's great	Nope	Senior complex 20 units not 10	Friendship Centre
142 18:24:17	Complete	com/2498709567043	Ontario							
2022-10-04	1664921131,633b62774	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T2T0	25-34 years	The design concept for the Centre of Expertise located in Ignace				
143 18:02:15	Partial	20169.9310872	Ontario							
2022-10-04	1664921212,633b6464	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec							
144 18:40:19	Partial	90068.94934430								
2022-10-04	1664921300,633b6764	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec							
145 18:40:19	Partial	15789.67566634								
2022-10-04	1664921345,633b67990	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec							
146 18:45:53	Partial	12607.63163308								
2022-10-04	https://www.memo/1664921495,633b6c252	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec							
147 19:09:42	Partial	ca/ c4344.9252877								
2022-10-04	https://www.memo/16649202795,633b6c4044	Central Ontario (e.g. Barrie, St. Catharines, Niagara Falls, Hamilton)	Outside Quebec	LR8H1	45-54 years	The design concept for the Centre of Expertise located in Ignace	Interesting	It would be nice to have an exterior water feature of some sort.	n/a. live in SD4	n/a
148 19:16:24	Complete	ca/ 91603.60838993	Ontario							
2022-10-04	https://www.memo/1664921988,633b6d046	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P9NDw7	65 years and over	I don't want to provide feedback on either design concept			Sweet bugger all. Keep away from this end of Ontario	Why not keep it down your way. Obviously it not
149 20:36:05	Complete	ca/ 47433.46134871	Ontario							
2022-10-04	https://www.memo/1664931013,633b6dc5c6	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	55-64 years	The design concept for the Centre of Expertise located in Ignace	I like it. I think it should have a space for town offices and a gym. The stadium needs to be large for people to gather and even hold celebrations such as weddings.	A large atrium for celebrations like weddings etc.	Bring people of the community together as well as bring tourists to the area.	Tourist office for tourists. Agem.
150 20:56:15	Complete	ca/ 42498.72533553	Ontario							
2022-10-04	https://www.memo/1664931907,633b6d204	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec							
151 21:29:56	Partial	ca/ e9621.10702032								
2022-10-04	https://www.facebook.com/3636.2250437	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	35-44 years	The design concept for the Centre of Expertise located in Ignace	Looks nice too bad it's a design for nuclear waste	To keep the waste in Southern Ontario where it belongs	Nothing	Keep it in Southern Ontario
152 21:51:32	Complete	com/3636.2250437	Ontario							
2022-10-04	https://www.memo/1664941782,633b6dd6	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8nDy5	55-64 years	The design concept for the Centre of Expertise located in Ignace	Woudn't want the nuclear dump here. Leave that shit in Southern Ontario. If the cases are so good, keep it there.	Built it elsewhere. Not in my Ontario	Stop wasting taxpayer money by paying off and bribing every one.	Leave nature alone it's what we all want.
153 21:53:49	Complete	ca/ 94514.55014132	Ontario							
2022-10-05	https://www.memo/16649422045,633b6fd96	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	55-64 years	The design concept for the Centre of Expertise located in Ignace	It seems cold. The glass and what appears to be metal beams are not warm and welcoming. I like the idea of the aerial view to be green space, well visitors from the ground level be able to access that area?	I would like to see a space at the centre to hold events such as a bazaar had that would serve multi purposes (wedding, small exhibitions, conventions up to 500 people perhaps.) I would like to see a full kitchen that could be used daily for lunches/coffee house as well as be available to cater larger events including weddings when needed.	I hope to foster an interest in a wider variety of career choices for the youth in our region. I would like to see a wider demographic of visitors to our area. Currently our visitors come for visiting and fishing opportunities. It would be nice to expand that to include naturalists who could appreciate things like, hiking, canoeing, cross country skiing, snowshoeing, etc. I am hearing the water tower would be the offices for the scientists and researchers involved in the project, and that they would discuss a line in Ignace with their families which in turn would boost our economy.	Half rental availability. Education opportunities. Offices. Hands on interactive area for kids. Tourist gift shop that displays Nuclear Energy trinkets as well as worn from local artists.
154 00:20:13	Complete	ca/ 8691.86223028	Ontario							
2022-10-05	https://www.memo/1664942565,633b6f4e12	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	p8T4s	35-44 years	The design concept for the Centre of Expertise located in Ignace				
155 00:03:38	Partial	ca/ 86888.24593023	Ontario							
2022-10-05	https://www.facebook.com/60905.44070024	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	18-24 years	The design concept for the Centre of Expertise located in Ignace				
156 00:14:45	Complete	com/60905.44070024	Ontario							
2022-10-05	https://www.facebook.com/1664943729,633b6d4117	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	35-44 years	The design concept for the Centre of Expertise located in Ignace				
157 00:56:58	Partial	com/15108.48414610	Ontario							
2022-10-05	https://www.facebook.com/1664947140,633b61342	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec		35-44 years	I don't want to provide feedback on either design concept				
158 01:19:25	Complete	com/00270.51846406	Ontario							
2022-10-05	https://www.memo/1664951134,633b7d128	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	p0V1p0	45-54 years	The design concept for the Centre of Expertise located in Ignace	Nice. But needs more art. Includes a gallery. Looks like a university campus, which is nice, but should emphasize community spaces. WWND and most nuclear places are very modular and closed-off to the world. This space should be inviting people in. Building a nice space, but well the public can't enter well it become another elitist space. More research needed. For social research as well as nuclear stuff. Social research needed most up here. Boldly	It's okay. Looks like an airport terminal and like it's much fun. Needs more art - indoor and outdoor. Nuclear people have limited imaginations. Should have a small gallery space.	Research. The WWND totally sucks at supporting northern research. Too much domination from Toronto and need to ensure communities are actually shaping this thing and using it. Social research is needed for the whole region. No post secondary. Contact North is broken and useless. This place could be the crown jewel of Arctic - circumpolar - nuclear sciences leadership but needs to be inclusive of culture and Indigenous people (all of them, not just Pikameko). This is an international centre, should include northern Canada and all its people. Limited regional vision and today's lack of coherent thought into how this place could drive as one of the world's best resources. Actually make sure communities benefit and participate, not just as spectators.	Research. The WWND totally sucks at supporting northern research. Too much domination from Toronto and need to ensure communities are actually shaping this thing and using it. Social research is needed for the whole region. No post secondary. Contact North is broken and useless. This place could be the crown jewel of Arctic - circumpolar - nuclear sciences leadership but needs to be inclusive of culture and Indigenous people (all of them, not just Pikameko). This is an international centre, should include northern Canada and all its people. Limited regional vision and today's lack of coherent thought into how this place could drive as one of the world's best resources. Actually make sure communities benefit and participate, not just as spectators.
159 02:39:45	Complete	ca/ 70059.25110073	Ontario							
2022-10-05	https://www.memo/1664953137,633b7d31a	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8n2u1	55-64 years	The design concept for the Centre of Expertise located in Ignace	Very nice design.	Wall you can climb down there look around and have a coffee	Jobs	Bring more like stores
160 03:01:41	Complete	ca/ 56116.97847958	Ontario							
2022-10-05	https://www.memo/1664964373,633b6f80a	Southwestern Ontario (e.g. Guelph, Kitchener, London, Windsor)	Outside Quebec	N0g2d0	35-44 years	The design concept for the Centre of Expertise located in South Bruce			Don't want it here in south bruce	Don't want it in south bruce
161 06:07:50	Complete	ca/ a0b79.58396309	Ontario							
2022-10-05	https://www.facebook.com/74530.24845318	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	45-54 years	The design concept for the Centre of Expertise located in Ignace	Awesome		Continue with events for the youths of Ignace	Everything, we need something for this ghost town that might happen
162 06:25:24	Complete	com/74530.24845318	Ontario							
2022-10-05	https://www.memo/1664967132,633b64203	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec							
163 07:01:59	Partial	ca/ 64642.93931753								
2022-10-05	https://www.memo/1664970321,633b6e514	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0V3T0	55-64 years	The design concept for the Centre of Expertise located in Ignace	Great	No you know what you are doing	Create jobs	None
164 07:40:48	Complete	ca/ 35503.17123114	Ontario							
2022-10-05	https://www.memo/1664972032,633b75003	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	35-44 years	The design concept for the Centre of Expertise located in Ignace	Beautiful			
165 08:16:36	Complete	ca/ a0118.58679537	Ontario							
2022-10-05	https://www.memo/1664973329,633b7a13b	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8N0A2		The design concept for the Centre of Expertise located in Ignace	Keep in mind the location, cold weather and try and factor in Indigenous values and history.		Look into sports initiatives, maybe a recreational center to cater to the local community.	
166 08:30:51	Complete	ca/ d510.14162261	Ontario				Prefer not to say	SHOULD BE Designed by Indigenous group?	Create jobs, and bring traffic into the community.	
2022-10-05	https://www.memo/1664974084,633b75f6c	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8N0A2	65 years and over	The design concept for the Centre of Expertise located in Ignace	Not enough information to make any comment. It would be very beneficial for Ignace in terms of jobs and more business for local businesses. It would wake up the town and they would grow and progress.	What waste of time!	It will attract tourists, provide jobs and more business for local businesses. It will educate our young kids.	They could include science projects from children.
167 09:04:20	Complete	ca/ 87447.7506070	Ontario							
2022-10-05	https://www.memo/1664974084,633b805db	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	65 years and over	The design concept for the Centre of Expertise located in Ignace				
168 09:15:38	Complete	ca/ d6840.37052573	Ontario							

[illegible]

2022-10-18 11:31:31	Complete	https://www.memo-1665424998_634437560494_618072071021_63446644141b8d76846180	Eastern Ontario (e.g. Ottawa, Belleville, Kingston, Cornwall)	Outside Quebec	k29n1	Prefer not to say	The design concept for the Centre of Expertise located in Ignace			
2022-10-19 14:37:44	Partial	https://www.memo-1665491869_634564e32cd088.87385979	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P785G9	55-64 years	The design concept for the Centre of Expertise located in Ignace		I hope this never happens... Trucking nuclear waste from S.Ont. are you nuts? It's powered S.Ont. S.Ont should deal with the waste. This waste, was in an unforeseen byproduct of these past 70s, and yet you think we should believe you that there is no unforeseen byproduct from operations??? Shame on you... you and your waste are the devil.	If the devil wins, and it's built, it should employ people from NW.O. S.Ont can train people from NW.O. can't they? With respect, keep your waste, and your people, in your backyard.
2022-10-20 09:49:41	Complete	https://www.memo-1665495519_634571dfde4e61730168790	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0V140	Prefer not to say	I don't want to provide feedback on either design concept		You are going to KILL future generations, STOP Nuclear Waste dumping in northwestern Ontario.	Take a delegation of ordinary folks to Chernobyl see first hand the long term effects of the 1986 power disaster.
2022-10-20 10:12:18	Complete	https://www.memo-1665496874_6345772ab0a0d73997713	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P7A0Z5	55-64 years	The design concept for the Centre of Expertise located in Ignace		Aside from a way to influence the community to approve the project, I haven't understood the purpose of the Centre. I understand that some limited science will need to be done if the DGR is built, once it is underway, but it seems to me that the science needs to be front loaded. The NWMO needs to provide rationale for having such a large facility - including the operating costs. Transporters won't expect to fund such a place for decades and the local community won't expect the promise not to be kept.	Make the size sustainable and justified.
2022-10-20 10:17:45	Partial	https://www.memo-1664907236_6345737e9b12101288808	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	PTA	65 years and over	The design concept for the Centre of Expertise located in South Bruce			
2022-10-20 10:46:39	Partial	https://www.memo-1665495958_634581209040564779800			p7dka7	25-34 years				
2022-10-20 12:34:08	Complete	https://www.memo-1665500768_634594d806176a0d97583907	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1C0	65 years and over	I don't want to provide feedback on either design concept			
2022-10-20 13:11:26	Complete	https://www.memo-16655008159_6345a33f68467360049065	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1W0	65 years and over	I don't want to provide feedback on either design concept			
2022-10-20 15:06:10	Partial	https://www.memo-1665515153_6345b49d15a00231645450	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1C0	55-64 years	The design concept for the Centre of Expertise located in Ignace			
2022-10-20 16:08:34	Partial	https://www.memo-1665517539_6345c3773460a33753082	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P7g1a8	65 years and over	I don't want to provide feedback on either design concept			
2022-10-21 20:14:24	Complete	https://www.memo-166553566_6346067e7c8876.00821084	Southwestern Ontario (e.g. Guelph, Kitchener, London, Windsor)	Outside Quebec	NDg140	35-44 years	The design concept for the Centre of Expertise located in South Bruce			
2022-10-21 22:09:41	Partial	https://www.memo-1665540526_634621aea000.12826027								
2022-10-21 08:11:46	Partial	https://www.memo-1665572227_6346b10b46108.64003797								
2022-10-21 09:50:03	Partial	https://www.memo-1665582508_6346c105c46830.18213732								
2022-10-21 10:21:05	Partial	https://i1.audible.ca/1665584447_6346cd3ff8cf/fd31341610				Prefer not to say				
2022-10-21 15:06:02	Complete	https://www.memo-1665602370_634705bae176360027788	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P8T0A7	55-64 years	The design concept for the Centre of Expertise located in Ignace		NO NUCLEAR WASTE IN NORTHWESTERN ONTARIO. NO NUCLEAR FREE NORTH!!! Please concentrate ONLY on the BRUCE designs - you are proposing to KILL our environment - keep the waste where it is generated!	WE ARE HOPING YOU DID NOT COME TO OUR AREA. YOU ARE BRIBING THE PEOPLE IN OUR AREA WITH CASH INFUSIONS TO DESTROY THE ENVIRONMENT - SNEAKY UNDERHAND DEALING!!!! NO NUCLEAR WASTE IN NORTHWESTERN ONTARIO! NO NUCLEAR WASTE FREE NORTH!!! Please concentrate ONLY on the BRUCE designs - you are proposing to KILL our environment - keep the waste where it is generated!
2022-10-21 16:04:33	Partial	https://www.memo-1665606081_63471861040396.26806831	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	Prefer not to say	The design concept for the Centre of Expertise located in South Bruce		I think I would like to see a larger atrium where people could hold parties or get together. Behind the building - I would like to see trails that lead to information center/books that highlight some of the unique natural beauties such as barrel falls, pinegrove in the area, highlighting general lakes in the area, white otter Castle, snow machine trails, walking trails in trees or close to, etc. The places that only locals would know about.	Water, waves, lakes, rocks, pine trees
2022-10-21 20:18:25	Complete	https://www.memo-1665619838_63475776763921.7040884	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P0T1T0	55-64 years	The design concept for the Centre of Expertise located in Ignace			
2022-10-21 21:01:33	Complete	https://www.memo-1665622102_63476056166737037131	Southwestern Ontario (e.g. Guelph, Kitchener, London, Windsor)	Outside Quebec	N002X0	65 years and over	The design concept for the Centre of Expertise located in South Bruce		It is a grandiose structure to be built on agricultural land that will be needed in the future to grow food. These designs do not reflect the South Bruce area.	If South Bruce loses the draw and becomes the site of this project there is nothing more appropriate than to have an underground glorified amusement park as your "chapel".
2022-10-21 21:35:55	Partial	https://www.memo-1665682529_63484c5e447890.4778669	Northern Ontario (e.g. Sudbury, Thunder Bay, Timmins)	Outside Quebec	P2B2L0	45-54 years	I don't want to provide feedback on either design concept			
2022-10-22 17:50:55	Partial	https://www.memo-1665697938_6348882a7646.2616800								
										As many local churches are suffering, it would be proper to design a structure that would be suitable for residents to gather and work on the broken relations that have developed over recent years.

[illegible]

Appendix C

Survey of the NWMO Staff – Raw Data

Name	Full name (Optional)* ple: Centre of Expertise?	What do you think of the design concepts for the Centre of Expertise?	Do you have any suggestions for the Centre of Expertise designers (e.g., things they should keep in mind)	The Centre of Expertise is expected to make significant contributions in several ways, including to the local community and surrounding region. Generally, what are you hoping the Centre of Experti...	More specifically, what type programs, services (or anything else) could the Centre of Expertise include to benefit the community? We'd love to hear your ideas.
		I like the green roofs. There has definitely been some thought put in to having a design that blends into the existing natural surroundings. It is however hard to evaluate the design fully without seeing it rendered in an actual location.	The generic plans are a great start. However, site-specific conditions, e.g., topography and proximity to water, should inform the design going forward.	Provide a hub for information sharing and discussion, at all levels.	I think my answer would depend a lot on the location of the centre relative to other available services.
		Interesting and inviting. I like the glass in the front and the green roof blending in with environment. I did wonder about distinguishing features in the design to reflect the specific nature of the local environment. It is difficult to comprehend size and function/s. It would be good to see a few interior renderings to consider lighting, functionality, (office vs educational venue, vs community venues) etc.	What green building standards are aspired to? What attributes are being considered in the building design to reflect values related to environment and Reconciliation?	Community study results	Community study results
		I like the concept of being seamlessly integrated into the natural landscape, especially the trails on the top of the building.	the renderings show people casually walking on the site - what would draw people to the site? I imagine staff working there will come to the site, but otherwise why would anyone go out of their way to come to the site.	a multifunctional center that could serve several functions like a library, informational/cultural museum or community center. what would draw people to this location? Perhaps a picnic ground with volleyball courts or something more recreational. I imagine something like the Riverwood Conservatory in Mississauga being a good example (http://www.theriverwoodconservancy.org/)	an area for learning and training - would benefit the construction phase and provide local residents with a place to upskill.
		The design concepts are fine from a conceptual viewpoint. What will be important is to ensure that we are able to keep those key visioning requirements for the look and feel of the facility with the actual requirements that are still to be defined and incorporated.	I feel we want to have a world class facility that not only showcases what we, and the community wish to have, but to produce a facility that is a destination and embodies sound economic, environmental, safety, design, operation and maintenance principles. We need to design a sustainable facility that strives to be self-sufficient in terms of power and water and shows every commitment to minimizing waste.	Showcase the NWMO's excellence in all of our main focus areas that define why we have a safe solution, the excellence we have in engineering, Geoscience, Safety, Aboriginal and local engagement and commitment to the process of how we arrived at the selected community with a willing host.	A mockup of the UFPP with the required support facilities for maintenance and operation thereof. This may include training facilities for development of staff required to operate and maintain the UFPP as well as any other areas of the facility. If funds were available, it would be good to see some sort of affiliated education facility catering for both adult and youth learning. This should not only be for the benefit of the NWMO but to provide learning opportunity to the community that develops transferable skills that they can apply elsewhere for their and hopefully the community's benefit.
		The rendering of the buildings balance well being modern while fitting in the NW & SW landscapes. However, there is little detail of what facilities the building would actually have and how it would be organized. I feel the space inside and its intended uses, ie: community spaces, prototyping facilities, offices, are important to conceptualize as well.	I think while important to show an impressive design it must also be realistic for our audiences to know this is not just a play exercise. For example, both building designs connect to the ground with green roof. I love this idea, but is it technically feasible (are there existing examples). What type of safety systems need to be in place for people/wildlife. Would we need fences on the roof that would need to be incorporated into the aesthetic of the building. Without these details although the buildings are beautiful they do not appear very realistic.	First it should be a place all community members can be proud of. It should reflect the state of technology of the project. There should be facilities in the building that are open to the public, visitors center including DGR specific, community and indigenous knowledge aspects, amphitheater, indigenous knowledge facility. Second it should be a true center of expertise open to international collaborative projects, universities for R&D, and colleges for specialized training.	- At a minimum there should be guided tours about the project - The space could also serve as a community meeting space, there could be shared facilities for community organizations to use. - There could be good food/coffee for employees and community members. - Draw international scientists, university and college students, to the area by providing space and actively seeking technical research and training opportunities.
		great start	for the north the incorporation of a lot of wood, flowing water ((i.e waterfalls) and rock-also heavy use of indigenous art work	draw tourism, increase population, destination hands on activities	classroom educational tours (i.e like Science North), are exhibitions, tours, movie nights

<p>The look nice, but they are mostly just concept drawings and don't say much about what the center will offer. Here are some gut-thoughts, which may be easily corrected/explained. Hoping the gut thoughts can be informative for you!</p> <p>1) They look like large buildings that will draw a lot of attention, particularly in Ignace where most buildings are probably quite small, I imagine. Wondering if something with a small structure, or more of a "campus" feel might make it feel less like the big city has come to town.</p> <p>2) Drawings show people coming in and out, almost like a university or a community center. The name "center of expertise" would seem to say that it is for the experts and for building experts; so why are kids coming in and out? Will this be our offices, which are also treated like community centers?</p> <p>3) I like the green roof.</p> <p>4) focus of the building is somewhat on what is happening inside, not what could happen outside. I love the outdoors, so I'd like to see more features that make the outside of the building useable, not just pretty landscape features.</p>	<p>As per comment above, I have a preference for something with a lower profile (i.e., less onerous and city-like). Wondering if we could also include nature trails, playgrounds, outdoor spaces to be used throughout the year.</p>	<p>I'm not sure how much the community will want the NWMO to be present in their every-day life (i.e., use as a community center seems more than it should be). However, a daycare, for the people that work at the site or at the center of expertise would be good. A good place to have a meal, to stretch your legs and go outside (i.e., walking trails, nice outdoor spaces to hang out), and of course good space for collaboration, education, conferences & meetings. I imagine that as the community grows because of the project, it will be good to have a facility that can support these types of events.</p>	<p>I mentioned some thoughts above. I'm struggling with the idea that it would be a full-blown community center but recognizing that that would serve any community well. As such, ideas:</p> <ul style="list-style-type: none"> - daycare/playground - gym - cafeteria - outdoor spaces/hiking trails/ski trails - large conference rooms/small meetings rooms - rooms for education about the project - office space for NWMO employees - circular outdoor area for indigenous events <p>That's all I have for now! Thanks for the opportunity to provide input :)</p>
<p>They both look similar. I thought the community had a say/ the buildings were to reflect the area. Would be good to hear the architect's vision/ rationale behind the designs.</p>	<p>Ignace should say/ feel like.... the local First Nations, forestry and mining. Maybe the wildlife in the area (moose, beaver, fish)</p> <p>South Bruce should say/ feel like... the local First Nations, agriculture, nuclear (Bruce Power).</p>	<p>Tourist attraction/ local source of pride/ a landmark.</p> <p>House/ office space for NWMO staff, visitors as well as meeting community needs.</p> <p>Needs to be self-sustaining over the long term; cannot be a financial burden to the community.</p>	<p>Should be identified by the community but my understanding is that both areas could use childcare, a performance/ lecture hall, smaller spaces for training/ classrooms. Maybe local R and D (forestry/ mining in the north, ag in the south). Rec facility (gym, indoor pool)?</p>
<p>They are ok, not a style I get too excited about. Some context would help, what is the context? Is this building going to be net zero? Does this design lend itself more efficient heating/cooling? I'm also not sure what this building is intended to be. Is this the NWMO head office? Will other businesses operate here? Is this also some sort of community center? I have heard all of these things before so it's really unclear what the intention of this building is.</p>	<p>I think the intention of the building needs to be decided first. Certainly the building should be designed in an eco-friendly way. Should allow for EV charging and be a friendly workplace. But it's difficult to give too much detail when I don't know what this building is meant to be.</p>	<p>I think to a large degree this should be tailored to the specific community that the NWMO is located in and the most input should come from the community.</p>	
<p>It blends in well with the surroundings.</p> <p>I think the initial outside design concepts looks appropriate for the locations but I am unclear where this Centre is meant to be located; directly at site or near one of the small towns in the localities. The images do not really convey that information. Also, the concepts do not define if it is being designed for a specific standard ie Net Zero as those building standards would have to help define the "look". Parking lots (asphalt) are a blight on any site and depending if building multi-use community site (more people); it might be better to build a parking garage similar style (grass covered) with direct access to the centre; easier to install electric car charging and allow for less actual "ground" to be used for parking. Also, if site is remote from centre of people in the community or hotel's (if used for conferences), then the design should include a method of transit for the community to get to the site easily and to have shelter (as part of the parking area?) while waiting for the transit to arrive.</p>	<p>Must have an excellent interactive visitors' centre.</p> <p>Ensure that the Centre is a useable space; multi purpose usage and not just a location to have the demonstration program for the DGR. Design the Centre so that if necessary it could be easily expanded especially for some of the social and technical programs that may/may not yet be really defined or change over the many years of use.</p> <p>How long is the Centre envisioned to be used; 25 years, 50 ++ so does this design meet the needs; practical (building maintenance), other, through time? Depending on where it is built it might even meet the needs for the communities as an event venue for conferences ++ especially if the idea is to encourage world experts to visit. I understand this is early design concept but having a conceptual floor plan to understand usage would also be helpful to answer these questions.</p>	<p>I would envision that would depend on what the community is currently lacking now and in the future once other people start moving into the community. Do they require event/training space, health services, expanded library or exercise facilities? Even a commercial component; hotels, local artisan shops ++ could be built into the space to help build community awareness and possibly offset costs of maintaining the site depending on where the Centre is built and how the Centre will be maintained; by NWMO or by a joint community (user base) partnership.</p>	<p>Ultimately, depends on where the Centre of Expertise will be located; at the site or located close to a town. If closer to town more community services could be hosted at the centre. If located more remotely, then this changes the access / usage. How about a designing a space (indoor for winter?) that is an actual oval or winding path with displays of interest (local, technical, scientific) or local rotating art displays, to allow for space that local and visitors will want to revisit. Families including young children and seniors could use it for winter exercise if you also built a family component into the site by having a children's play area.</p>

<p>I love the new design concept and location for the Ignace areas. I especially enjoy the fact that the design has incorporated materials connected to the DGR project and the natural beauty of the area (i.e., host rock, tree, green roof).</p>	<p>Because of the location on the north side of the highway in Ignace, appropriate walkways and paths across the highway should be considered to make for easy access for all ages who are looking to visit the centre, including school groups, teenagers, children, employees, and seniors. It should also be noted that Ignace residents participate in a lot of recreational activities that include snowmobiling and quadding, appropriate signage and barriers should be considered for the summer and winter months to avoid accidental or deliberate use of the trails and rooftop area of the centre for these activities.</p>	<p>I am hoping that the Centre of Expertise can set the standard for other infrastructure along the highway within Ignace and act as a hub to draw in tourists and customers for other businesses in Ignace. If the Centre of Expertise could help to showcase what the community has to offer then hopefully it will help to peak interest in people visiting to roam the area a bit more. A community advertisement board would be a perfect addition to ensure the community and its businesses are supported by the centre and NWMO.</p>	<p>A community advertisement board would be a perfect addition to ensure the community and its businesses are supported by the centre and NWMO. It would also be great if the centre could participate in holiday events and activities, one suggestion would be to have displays at holidays like Christmas for the town folk and travelers to enjoy as Ignace has not had something like that for some time.</p>
<p>The Ignace Centre of Expertise doesn't match the local landscape. Northwestern Ontario has a landscape of rocky cliffs of the Canadian shield, coniferous forests, and lakes. The building emulates rolling prairies, which do not exist in the region. For this reason, it appears that the building was designed by someone who has never bothered to visit the area (or who copy-pasted the building from a project done in a different region).</p>	<p>The architects should visit North-western Ontario and start with a new building design which is inspired by the local geography.</p>	<p>The building should help to integrate workers with the local community. The current design places the building in an industrial park north of town. The building will be separated from the town by the Trans-Canada Highway and will require employees to travel to/from work by car. The need for cars in such a small town is unnecessary, and an example of poor urban planning.</p> <p>The presence of the highway will never allow for the community to feel as if the building is in their town, and it will prevent families from using the facilities as intended. If NWMO wants this building to be part of the community, it needs to be accessible by pedestrians (in other words, built in a different location). There is no shortage of vacant land in the Township of Ignace - pick a better spot. This is a long-term project and needs to focus on long-term strategies rather than a short-term goal of buying a surplus property off of the township that nobody else wants.</p>	<p>NWMO should rethink the primary purpose of this building. If its primary purpose is to house experts who specialize in nuclear waste, then its needs to be a functional office space for them. The current building looks like a visitor centre or car dealership. Is NWMO going to have 300 people working out of a building that wasn't designed as office space, and are they going to be comfortable, happy, and focused if they are working in that type of environment?</p>
<p>I like that they attempt to blend into the surroundings, with a green roof featured on both designs. The renderings do not reveal much about how the buildings will function. I would like to know more. It is difficult to tell how large the buildings are, or how the space is allocated. From a far away place, it appears that the facility will not be large enough to accommodate all of the uses (including headquarters offices for NWMO, community gathering space, research hub, and technology demonstration). There should be additional space to allow for rapid expansion.</p>	<ol style="list-style-type: none"> 1. Include extra space for future expansion. Also, ensure there is extra ceiling height in the industrial spaces. 2. Limit the design features that are purely architectural which may hinder efficient use of space (e.g. avoid curved walls). 3. Utilize sustainable design (minimize waste of materials, build in natural energy efficiency, geothermal heating and cooling system). 4. Ensure to build in accessibility and inclusion (e.g. all-gender washroom facilities). 5. Ensure to incorporate Indigenous Traditional Knowledge as much as possible to all aspects of the design. 	<p>I hope that it will be a place that the community will use for their benefit (e.g. meeting space, public resources such as internet access, townhall meetings). One problem with the SON-South Bruce location, if sited on the NWMO lands adjacent to the APM facility is that it could hinder public uptake of the offerings - some people may not want to be present next to an operating nuclear facility. The community will mostly decide on siting, so perhaps a separate CoE siting project should be launched at this time.</p>	<ol style="list-style-type: none"> 1. Nuclear Science learning for all levels. Self-guided and also lecture series by professors from various Universities/academia and/or qualified knowledge holders. 2. Indigenous History learning for all levels. To be determined by local Indigenous leaders. 3. Child care. 4. Internet and computing resources for public access. 5. Food bank. 6. Small loans bank. 7. Subsidized housing for family assistance during times of struggle. 8. Shelter space for victims of abuse.
<p>I do not like the grass on the roofs, specifically the Ignace COE. I think being able to walk on the roof is a very big concern/safety risk.</p>	<p>Source local material, example- Ignace is a forestry town- source the wood material from there Use local contractors Use local artists</p>	<p>Bring the community together Informing the community- someone has a question about the project they will know where to go Draw travelers in- boost economy for local business owners</p>	<p>Auditorium- local clubs can perform- bring in entertainment for all ages One stop shop- Education Centre/Employment Centre/Training Centre all in one Local Museum- learn the history of the community when learning about the present/future Community Bulletin Board- what's happening- local programs</p>
<p>Design-wise they are impressive--very beautiful and take into account the natural geography and environment. Most importantly, they seem to include community amenity space, which I think is essential.</p>	<p>It is probably worthwhile for the community to be involved in choosing "features" that can best represent their areas, and therefore maybe require 2 sets of renderings that reflect each area. For example, if the SB COE were to be built, would there really be so many trees, as opposed to farmer's fields? Same, for Ignace, would gardens be typical of a quasi-public building there if it doesn't reflect the growing conditions, etc. of the NW. Community members can be incredibly picky about this kind of detail, I have found!</p>	<p>Outside of the renderings, which are mainly a design exercise, I think the *function* of the COE is more important to think about with employees and the community. For example, daycare or housing or library/study space might be in short supply in the community--how can the COE work itself into the fabric of the community so it can help build the community's capacity? Can there be a multi-use space or gym or daycare, or even a caterer/restaurant that would fulfill NWMO needs, while also bringing new necessary services to the community?</p>	<ul style="list-style-type: none"> * Daycare * Short-term lodging to accommodate those employees or contractors not able to find housing or hotels * Gym or health centre * Library or appropriate learning/STEM-space * Community gardens * Public (and maintained) ice rink or basketball courts to activate the space so it's not just an office building that is empty 12hr/day.

The renderings look interesting, It seems to hide in clear site.	Net zero energy usage, perhaps passive design for energy efficiency.	Should have a strong indigenous knowledge representation and design influence. Should articulate the journey to find a site, the design of the facility and the evolution. Perhaps incorporate remote surveillance on the site and potentially even have live camera feeds from the DGR operations. Could become a technology hub for the community, potentially housing other design organizations supporting the design and operation of the facility	Continued community outreach, high speed internet hub, potentially house certain community services in the facility, doctors office, dentist office. I have no idea what's in Ignace, but if a significant structure is to be built, is there a way to get traffic through the facility by having specific interest anchors.
Interesting. I like the concept of the accessible green and vegetated roofs.	It appears that the roofs are going to be accessible green spaces. One thing to consider is safety features near the roof edges that have steep drops greater than 4 feet. Not sure how to aesthetically include those with the existing design.	Provide education services & opportunities.	Organizing facility tours. Science related events/days for school age children and youth. Skills training workshops and/or Job fairs and recruitment.
they look nice	is the idea that people could use the green roofs like parks?		
Design and the building itself represent very well NWMO's vision which is protecting and respecting the environment emerging from and merging into the hill sides and nature.	Representation of Indigenous and First Nation culture in architectural design is very important.	Nuclear power generation, NWMO and its role in Nuclear Energy life cycle, and its contribution to support Clean Energy and protecting Environment, Information Center, Social gathering and training, science and research. talent development and collaboration, Lessons learned.	To be also a science and educational center for the community and educating members of the community and other visitors on Nuclear Energy, DGR, Clean Energy as well as environment using a combination of nuclear technology and science as well as Indigenous and first nations traditional science and knowledge of land.
It looks good, I like that it looks to blend with the land. I also like one of the visions that include use of greenery on the top of the building so it could have a trail across.	I tend to appreciate outdoor covered areas and I see that in one of the designs. I would think that would be helpful for outdoor ceremony or gathering town halls. It might also be nice to have outdoor covered areas for access to the community. It would also be great if there was some connection via bicycle or recreation trail to pass through so there is path into the community from the centre with lit paths.	Be a useful addition to the community - a gathering place - useful area.	I would think it would be great if the centre of expertise could also be used as Indigenous education centre. Maybe having a state of the art child care centre would be good too for both benefit of staff/community since it will be a major hub for jobs. I think it would also be great if it could include an IMAX screen for scientific screenings etc.
Hard to say. Is the South Bruce design underground? The flow and shape of the Ignace rendering is appealing	The idea of being at one with nature - colours, shape and materials that are natural and blend within nature. A facility that is modern, accessible, serves multiple populations.	A space the provides opportunities and solves issues for the community. Like our project the space should be adaptive to meet many needs including NWMOs, cultural, education, idea hub/innovation centre, collaboration space. How do you sustain local in this space? Farmers market, neighborhood gardens, development opportunities for marginalized populations,	
They are good first steps as part of the initial phase. Would be nice to see more detailed or interior concepts or even a summary of what was considered when creating the concepts. Visuals alone are not sufficient enough.	<ul style="list-style-type: none"> - It gets very dark in some of these areas. What kind of lighting will be in place not just around the Centre but also in the surrounding area to ensure safety - The winters can be brutal, what kind of temperature controls or heating will be in put into place. For example electric firepits outside with chairs - Ensuring safety for cars and pedestrians and bicyclists. For example, what kind of barriers are in place to prevent cars/trucks driving into the Centre. Or what kind of barriers or trees are around that could prevent proper visibility in the day and in the night for transportation. - It doesn't seem like there would be enough parking. Parking should not only accommodate residents or visitors but also school groups, tours, large employee meetings etc. More parking is needed and also more space for shuttle buses/transit buses. - what kind of child friendly spaces are being built in this area. Playground/splashpad/childminding/etc to make this a more family friendly environment 	hoping it will showcase and elevate artists and designers from the community, showcase indigenous knowledge specific to the community, history of the community and its' settlers, history of nwmO and it's timeline/journey.	daycare/childminding (with a time limit) would be a helpful service, a cafe for snacks, a space for virtual working for community residents, a place where residents can go more often instead of once in a year

I think the design is wonderful. It will bring in alot of people to learn about our project.	I hope that it will be an environmentally friendly, building that lets in alot of natural light, and uses solar power panels for energy. Built using sustainable building materials that are recycled where possible. It would be nice to have state of the art board rooms, and conference centers available for workshops and learning.	I hope it will be a warm and welcoming place for visitors to come and explore what NWMO has to offer and to learn about Canada's Plan. Everyone loves nature, so having beautiful gardens outside surrounding the building, with sitting area's and learning opportunities on how the NWMO is helping protect the enironment by conservation, and protecting the wildlife species that surround the area. Nature walks and trails near by would be benificial, so that learning can continue out-doors, and promote health and wellness at the same time.	I would like to see multiple platforms for local schools, the communities, and visitors to the area learn about our project; Also bringing in subject matter experts to conduct various workshops such as, what we can do to help the environment by reducing our carbon inprint., Workshops on the importance of the protetction of wild life, and Mother Earth etc.
Both Ignace and South Bruce designs look stunning.	Indigenous people have a deep connection to water, so I believe having a water feature inside would be a way to symbolize that connection. A water fountain would be a basic example of this, but I think a living hydroponic plant wall would be next level. Having a plaque with a short paragraph describing the connection we all have to nature i.e. water and sunlight provides nourishment for the plants, which photosynthesize sugars and expel oxygen as a byproduct, which enables modern life to flourish. Another recommendation is to include large boulders of native rock for everyone to see as they walk in. In Ignace, large hard rock boulder, and in SB, a large limestone boulder. I think it would allow people to visualize what bedrock means.	- outline the entire nuclear process - uranium mining, processing and packaging into pellets and bundles, fission reaction in reactors, cooling in pools, and eventual emplacement. - compare the DGR to the current storage in containers at nuclear plants - compare the thickness of bedrock to current shielding materials such as reinforced concrete and steel, showing how the bedrock is significantly better at providing a natural barrier due to its thickness than current manufactured materials - animation of the DGR process such as sinking the shaft, excavating emplacement chambers, putting used fuel in copper canisters, laying the copper canisters in the DGR in the bentonite. Eventually I think having a live video feed would be really cool. - have a large timeline on one of the walls, outlining all of the OPG and NWMO steps. Include the siting process, preliminary investigation, site assessments and detailed site characterization etc. Leave room on the timeline and have a plaque saying the timeline will be updated as more steps are completed. This will allow guest to see the progress if they come back from time to time. - have indigenous leaders host sessions. We have been very fortunate to have indigenous story tellers (like Landon) to pass along indigenous knowledge to us, but the majority of the public will never get this opportunity. Indigenous oppression and residential schools are a hot topic right now, so including a way for members of the public to have access to the same learnings that NWMO have would be a good addition.	see #4 above. The only other thing I would like would be an emphasis on including people with disabilities. Make all services available to people with: mobility issues, blind, deaf/mute, autism (such as surfaces with texture), dyslexia, etc.
They seem very unique large structures, with many details. They include some traditional and cultural elements; however, they need something more impressive. i like the Wabigoon Lake site better.	Their surroundings. these structures should embrace more aspects of our land such as flowing waters, sunshine and of course the sounds of nature.	I am hoping the center will be a gathering point for everyone, to learn, to teach, to share important lessons and experiences, to collaborate and help others in need. a place that everyone acts as one and respect each other.	Huge selection library facility Sports education for kids Canada's agriculture history space for aboriginal practices art teaching story telling
It's fluid, open and nature integrated	An efficient roof drainage system, including water collection	A local meeting point that helps promote regional culture and understanding of natural wealth	Cultural awareness, local entrepreneurship programs

<p>Although the drawings have no scale, other than the width of the parking spaces, there doesn't appear to be enough workspace for RDD purposes. Furthermore, the parking lots should be immediately adjacent to the building and routing around the building should be focused on allowing for ease of shipping for transport trucks. I also see no signs of security stations in the drawings. Another major issue is the sloped surface of the roof that will potentially allow trespassers / demonstrators / opponents access to the roof of the building. There also doesn't appear to be any safety barriers on the slope roof. The CoE should demonstrate a sense of fiscal responsibility, and the drawings suggest there is an excess of wasted interior space, along with excessive costly exterior features that serve no practical purpose. The grassed roof is gimmicky and will add cost when the roof needs to be replaced. I don't believe there is a long-term demonstrated use of grassed roofs in cold environments either.</p>	<p>The purpose of the Center of Expertise (CoE) has been laid out in WP 580.12.20: WP 580.20.40: etc., in the APM 2021 Life-cycle cost estimate update (NWMO-TR-2021-11). "It is assumed that approximately 100,000 square feet would be required for the Centre of Expertise. This would be comprised of approximately 37,000 square feet for offices, meeting rooms, common areas, as well as public spaces/visitor centre". The CoE will be used as a temporary workspace prior to the opening of the site for operations and to continue with the Research Design and Development (RDD) work currently being carried out at the Oakville Facility. The CoE should probably have an open workspace that is roughly 3 times the size of the Oakville space with significant headroom for overhead cranes, shelving, etc. The CoE will be needed for RDD purposes until the Underground Demonstration Facility (UDF) is fully operational. Subsequent to the full operation of the UDF, the CoE will be needed for RDD development that for practical purposes should be carried out at surface. I would think that portions of the CoE will be required until full closure and decommissioning of the DGR.</p>	<p>The open space of the CoE should be adaptable as well. If necessary, the open areas of the CoE can be converted for other use such as curling rinks, or hockey arenas.</p>	<p>Th CoE should be used for practical purposes that members would otherwise need to travel a significant distance for. Consideration could be given to using it as a temporary movie theatre, rink, gym, once RDD work has begun to slow.</p>
	<p>Engineering and scientific workspace / labs etc. Space allocation and size/height considerations.</p>		
<p>Concepts look OK, but it seems like there is</p>	<p>Making sure that there is a plan for continuous renewal of the space. Centres like these tend to age poorly unless there is a constant effort to keep it fresh and up-to-date</p>	<p>It will serve as a hub - the designers do appear to have that right.</p>	<p>Clearly this is community needs based, but the most important part is for this property to remain flexible, with an ongoing budget to continue to meet the community needs. Perhaps a curling rink becomes the need, or a baseball diamond. Maybe it needs to serve as a library?</p> <p>Can it serve as an emergency shelter in the case of a tornado, fire or flood?</p>
<p>Looks good.</p>	<p>Keep in mind the potential for severe winter weather in both locations. Avoid designs that will lead to buildup of snowdrifts on roofs or entryways. (sorry but I've seen some architectural designs in other projects that ended up being operational nightmares)</p>	<p>Provide spaces for the community to use for community events, meetings, etc.</p>	<p>Meeting rooms, auditorium/stage, community archives, educational spaces/labs for STEM education</p>
<p>The Northwestern design was presented as "generic location", but it is explicitly clear the exact location of the facility. Is there potential conflict with the First Nation in the area for location. It could be argued that this facility should be closer to the actual DGR site. The "generic location" presented has historical hydrocarbon contamination in the soil which may include a plume entering the Agimik river; the site will require some significant remediation prior to building.</p>	<p>In Sweden, the Aspo site has in-house chemistry analytical services, and we should be considering the same. Adequate and stable power (with generator backup) consideration needs to be taken into account to include gas chromatography and mass spectrometer equipment. Lots of cold storage for rock and water samples is needed. We will also require climate-controlled storage for drill core and space to safely access and lay the core out. Similarly, engineering, environment, IT etc will have specific asks as well. You need to be speaking to internal NWMO clients/users of this building sooner, rather than later.</p>		
<p>It looks very modern and is aesthetically pleasing however, I question the usability around location, access, functionality, etc.</p>	<p>In listening to the Centre of Expertise Visioning, there were concerns shared around engineering provisioning, IT considerations, access etc.</p>	<p>Be a one stop location that is easily accessible, the community is aware of it, it's location, what it is there for and ultimately somewhere every single member of the community will come to for education, awareness and to engage in dialogue to become informed about what we at NWMO are endeavoring to achieve, both short and long term and the research, testing and discovery that has gone into years of development, prior to arriving at our current state. It needs to empower the community with both knowledge, understanding and reassurance.</p>	<p>Ultimately, I would hope the CoE provides knowledge, understanding, reassurance and is a place of honesty. What we are undertaking has a great many concerns. Concerns that the NWMO has been painstakingly addressing for years. CoE needs to empower everyone, not just the local community about where we've come from, the steps that have been taken to arrive here, the partnerships, testing, the bio diversity efforts... the entire life cycle that has brought us to where we are. And when I say, not just the local community, this is our opportunity to educate, to allow Q & A. I would love to also see a virtual, interactive walk through of our CoE. Walk through via our online device, read about different aspects, pose questions and get real person responses. This empowers the community, the surrounding communities, others within the Province, the Country and around the world.</p>

<p>The conceptual designs look great. It will be a challenge to translate concept into reality. E.g. as mentioned in the meeting/presentation, the green roof will need fencing and therefore won't end up looking/feeling as integrated into nature as in this concept. And the only greenery that's practical for the roof is just grass anyway. Enough soil for trees would be too heavy for the roof. Maybe it's actually more practical to put renewable energy generators up there. Line it with solar panels instead.</p>	<p>Engage with the NWMO engineering group early on in the design process. The R&D development work will need lots of space both horizontally and vertically. High ceilings will be needed. And high lifting capacity will be needed so the building structure needs to accommodate. It will be challenging to design for the lifting loads and roof loads. Plus the high snow load in northern Ontario location.</p>	<p>Realistically, I'm not sure this will be much more than a shiny museum for NWMO. Ideally, this can become a community hub with a library, event space, recreation centre but is that realistic? I can't see it effectively serving multi-duty as NWMO offices, R&D development facility, museum, AND a community centre. That's just too much.</p>	<p>If we're talking blue sky thinking then this can be a community centre with a library, event space, recreation facilities, child care centre.</p>
<p>I can't speak to the design as it a choice made by the architects.</p>	<p>same as above</p>	<p>I was not able to attend the meeting showing of the vision for the Centre of Expertise, so my apologies if all of this was covered. I would hope that the proposed Centre of Expertise is as much a community building as an NWMO building with shared public spaces and a place to go for community members. As someone growing up and living in a small town, I can appreciate the need for community space.</p>	<p>I would imagine the Centre of Expertise could double as a science centre of the north with a focus on energy, the environment and of course NWMO's project. For example, a similar building was built and is operational at the equivalent site in France. I took some pictures while visiting a few years ago that I would be happy to share. Activities could include:</p> <ul style="list-style-type: none"> - basic education on energy and the environment using modern and interactive activities (ex. interactive tours with an iPad) - a LEGO station where one must build an aspect of the DGR, perhaps a UFC, bentonite block moving forklift, or UFC lift - a station illustrating how water moves through various soils for example showing topsoil, sand, gravel, rock and bentonite. Water would quickly move through the first three but not at all through the last two. There is a similar display showing a column of clay with water on top that has been in place for years at the Mont Terri visitors centre in Switzerland. - another section of the science centre could be the resting place for all the preliminary engineering designs currently at Oakville. Maybe an operational joystick-controlled forklift, can you place the buffer box? - a indoor play area for kids (maybe rock themed), indoor walking track and/or outdoor splash pad. <p>Having a warm dry place to bring the kids on a rainy/snowy day could be great! And we might learn something along the way:)</p> <p>Thanks Scott</p>
<p>I really like the glass dome idea that was in once of the concept drawings in the presentation.</p>	<p>The German parliament building in Berlin has a large glass dome and it represents transparency, which I think is also very important for NWMO. Also love the idea of glass walls blending with the outdoor landscape in the background. There's a Japanese hotel resort that does that and it's stunning.</p>		
<p>The concept of the center seems extraordinary to me; however, I have some suggestions that I would love to discuss with you.</p>	<p>My first question is why was the design of the structure not made in the form of a barrier? if the barriers represent how the pellets will be stored. In addition, this semi-circular system allows the snow not to be stored on the top of the roof and in the middle a square could be made with vertical gardens and the transparent roof of solar energy. it is a new technology that allows you to see have a view to the outside.</p> <p>I also considered that if an environmental system with a road is to be built on the roof, this would have to be done by the plow to remove the snow.</p> <p>I have some ideas that I would like to express in person about the infrastructure</p>		

	Really like the open concept, focus on nature and integration of the landscaping	I think it's important to note that although this will contribute to the local community, it will also contribute to the national and international community. This is not ONLY South Bruce or Ignace's Center, it's Canada's Center of expertise. So keeping that in mind, one thing it should be highlighting and integrating is inclusivity and diversity. For example having kosher, vegetarian, vegan, halal options in the cafe and the exhibits and surrounding area should be designed to be accessible to everyone including those with physical and mental limitations as well as kids. Stairs and ramps should be available everywhere. Elevators are not a great idea as they break down and resources to maintain those are limited.	It would be nice to frame this as benefitting the community AND the country, assuming the fuel is coming from across the provinces and people will also be coming from those provinces for tours etc.
Attractive. But right now the process seems very vague so hard to say much more about practicality. See below.	It's not presently clear what design specs we are working to. What NWMO-related capabilities would be at this site versus at the DGR site (e.g. number of staff, technical facilities)? Chris L noted that there was no real Engineering specs about what was needed. I would similarly observe we have not defined a research or analytic role. E.g. should this have ability to analyse environmental samples or QA check materials for the repository construction? Also is this a center of expertise on the repository only, or did we intend to make it possibly a different expertise of interest to community? E.g. something agricultural in South Bruce say... Is there space for that activity? Or if it is more generally regarded as a campus or extension of a nearby university (Lakehead say, or Western), we should speak with the universities about what they'd like to see in a remote "campus".		I'm not in community, so have no direct insight. However I feel that it would be great for the project if the Center was doing something that directly improved the community environment. For example, would it be actively undertaking cleanup of something in the area that is a community concern? Agricultural runoff into Teeswater river? Petroleum plume at Ignace? Pulp mill mercury at Dryden?....
Some design and structural elements could have more indigenous cultural component(s) incorporated into the design.	That the entrance has a large gathering area with the 4 directions laid out onto the concrete in some design that incorporates elements of water, fire, trees, rock etc... An outdoor classroom are for spring, summer and fall for learning - a large dream catcher above the area A rock climbing wall that can engage teenagers as well as other visitors (since "ROCK" is a key component to the DGR) - this would need to be supervised with all safety precautions in place so that the area is not accessed during off days or off hours. The wall could be say 5 meters or 7 meters depends on the depth of the DRG to illustrate the depth x 100 or a larger one next to a small one of 10 meters etc.... just proportional to work out to illustrate on a display the depth of the DGR A virtual reality tour of the DGR first in concept then in reality.	Education of locals including youth Education and a stop for travelers passing through Education and collaboration at the post secondary, graduate and professional academic level This is done through various ways not a "one size fits all" approach.	Education of youth from the surrounding area similar to the experimental lakes between Dryden and Kenora. Special event days, a large theatre area. Classrooms from around the world could virtual into the centre for sessions etc....
Interesting	I would have liked to see more community engagement went into the creation of the design (i.e. municipal and Indigenous).	As part of the design process, bring people into conversation around the benefits of a centre of expertise and learnign.	Indigenous specific outreach
I enjoy more modern looking buildings that fit into the natural landscape, which the renderings do a good job of. Appreciate lots of natural light and an atrium-type feel in the nucleus of the building (for reference, see The Atrium building in Victoria, BC).	-stay in touch with nature -have a water feature and ensure the outdoors space is functional as well	-provide a space that has several cohesive amenities, such as a coffee shop and exercise facility (sort of like YMCA idea) -spaces for class and learning opportunities (languages, art, Indigenous teachings, First Aid, etc) -It should be a space that is used for more than 9-5 hours, extend the hours that it is functional for by adding community uses outside of regular business hours	-walking / running track above the visitor's centre looking down, for everyone's use -coffee shop open to everyone with a nice space to sit and relax -community gardens / farmers market / walking & biking trails to connect with the rest of the South Bruce community without the use of a car

	<p>either a natural water source or an artificial pool of water that could bring more natural elements to the architecture and potentially be used as an ice rink for outdoor ice skating or hockey for public/kids in winter.</p> <p>- Natural playground for kids - somewhere they could run around while allowing the parents to learn more about the programs offered at the center</p> <p>- Children's vegetable garden where kids could touch, plant and learn</p> <p>- An area for Arts, music and craft in the park in summer</p> <p>- Provide an area for public local art display</p> <p>- Create an area where to watch educational videos/movies or to give lectures on various topics</p> <p>- Provide a public area for traditional indigenous ceremonies, celebrations, gatherings, music festivals, etc.</p> <p>- Provide controlled fire pits or fireplaces where people could gather and engage while warming up in colder months - This along with the water feature could be considered as our way of incorporating indigenous people's respect for natural elements (e.g., fire, water, etc.)</p> <p>- Provide an area for having weekly Farmers' market in the summer (reduce the fear of nuclear and crops in the same place)</p> <p>- Provide an area to display 3D model of the GDR, fuel bundle, used fuel containment, shipment container, etc.</p> <p>- Provide areas for interactive programs or 3D games for kids/adults similar to the ones in Ontario Science centre</p>		
The designs are innovative and incorporate the requirements from the community to the extent possible.		<p>- To provide a fun and innovative space for individuals and families to come together where they feel safe to discuss, learn and integrate both traditional indigenous knowledge as well as the western science and technology.</p> <p>- To provide an educational space for everyone especially the youth - encouraging careers in STEM fields and higher level of education and increase in economic status for the future generation of the community</p>	<p>- Educational and hands-on programing in climate change, nuclear power, radioactive waste technology, STEM related careers, indigenous knowledge of land and surrounding environment</p> <p>- Virtual reality or interactive games or STEM-themed parties for kids</p>
Attractive, modern and green.	Do not try and incorporate everything into the design - focus on the essential elements and do them well.	A focal point and a demonstration of engineering and social excellence.	meeting spaces; online tutoring; childcare centre; Government services.
They look innovative and modern while being approachable and inviting. The design seems to consider the landscape - low and horizontal (calm) not intrusive. Also, seems to incorporate nature with the grass on the roofing and use of materials such as wood.	Keep nature in mind. Accessibility. Simplicity. Functional and beautiful spaces with lots of natural light. Smart technology. Spaces to gather and collaborate and spaces to be alone for heads down work. Pet friendly spaces would be great.	Be a hub for learning and engagement. A place for celebration and inspiration for all ages - children to seniors. A comfortable place to work. A location you want to visit. Connect with the community in a meaningful way.	Child Care, Pet Care, Art/Music Programs, Science Programs, Learning Centre/Library, Environmental Programs, Cooking Programs (healthy eating), Auditorium for large scale presentations, theatre or music concerts.
They look good. I'm surprised at how similar they look for the two communities and other than some layout differences, they seem very similar. Not saying this is a problem, I just didn't expect to get such similar looking facilities.	While I can see that for Ignace, it could be located in an area that the entire town can access and could act as a hub for the community - and that's how the pictures make it look. For SB however, it could end up further 'out of town' and so this notion from the renderings that you'd have people walking out front and treating it like a meeting spot in the community may not be as feasible depending on location. Just a thought.	Act as a central hub in the community, showcase the community to international and other visitors, and also be a great energizing and dynamic work place for our employees.	We will be negotiating exactly that with the community!
Simple Design. kind of Incognito?	Accessibility = ramps/elevators if required.	provide up to date information, information sessions, events/activities - engagement	
Visually acceptable, but very hard to comment on without any details. What are the sustainable design features? How is IK reflected?	Leading edge sustainable development should be deployed; no open concept working spaces - people need their own workspace and privacy to be effective	showcase leading sustainable development in architecture and building function; provide a space for recreation; opportunity for ceremony and cross-cultural learning	
I really like them both. I think the 'green roofs' are lovely and think it's a good mix of modern building and nature. Both look very inviting and like places I'd want to be.	Keeping nature part of the design as much as possible, and the idea of it being a community/gathering space for people and groups (open, inviting spaces). It will be a main hub for employees too - based on location, we may not have lots of other things (shops, parks, etc.) around the way we do now in Toronto. Would be nice to have a building with spaces that support stepping away from our desks for a bit. E.g. a small indoor garden area or park employees can visit in winter, walking spaces, coffee shop, etc.	I'm hoping it will be a place where people feel welcome and that has things of interest to community members of all ages (e.g. green gathering spaces, learning opportunities, art, a café, etc.). It also needs to be a space that has safety as a priority - ideally avoiding big parking lots or very secluded spaces where people might feel unsafe (e.g. working late, at a late event/class, etc.).	A mini science centre - fun and informational. Art gallery. Café(s) and/or restaurant(s). A space for community classes (e.g. arts and crafts, first aid training, cultural courses, courses tied to the NWMO's work, etc.). Demonstration centre/tours of NWMO work and facilities (safety permitting). A theatre (for community performances but also to host guest lecturers/academics/NWMO presentations).

<ul style="list-style-type: none"> - has the potential to become a landmark in the community as the design/aesthetic will stand out. - the outside panels look a little heavy and give off the impression that what is happening inside the CoE is trying to be private - I like the idea of the CoE trying to integrate into the natural landscape. I would like to see more of the rocky landscape integrated 	<ul style="list-style-type: none"> - flexibility of space and use - create areas where staff/residents can "hang out" for lunch, informal meetings and etc that just isn't in the cafeteria - keep in mind child friendly spaces - ways to support active transportation (where bikes/ cross country skis or other forms of transportation could be stored) - pathways for outdoor walking/outdoor eating - hotel work stations for residents/students that want to use the space - avoid excessive parking - location of parking to be behind the building if possible, so that the first thing people see when they approach isn't a bunch of trucks/cars 	<ul style="list-style-type: none"> Be a space that is useful for the needs of the community - economic catalyst to encourage and support business/enterprise in the community - place for community gatherings/events (maybe even weddings) 	<ul style="list-style-type: none"> Transportation services for people living in the community - NWMO bus service (pick up/drop off employees at certain locations) Co-working spaces Private rooms event space - wedding/conferences/hiring halls/large training observatory (astronomy related - see the starts/northern lights) yurts/hiking stops vending machine for snacks/drinks
<p>The roofs look like they will accumulate A LOT of snow and become a structural issue and pain to deal with...maybe I'm wrong. Is there any reason for the concepts to be single level and not build up vs. sprawling and using a larger footprint?</p>		<ul style="list-style-type: none"> Be an information and tourist spot - with the option for tours for grade school kids up through trades/college/university aged kids to come and learn. It could be a training centre and tourist centre. A small dormitory or hotel/apartment style residences and cafeteria could be of value for visitors coming for training or site visits. 	<ul style="list-style-type: none"> Wellness programs. technical/trades training facilities. Child and youth engagement - for both art and stem. Indigenous knowledge transfer opportunities.
<p>Good start</p>	<p>Make it with a bunch of local, historical art works. Showcase ag, historical local nostalgia pieces from Teeswater and south Bruce. Some Bruce county things.</p>	<ul style="list-style-type: none"> - hub for learning and the nuclear industry - work space for employees - spot for locals to host events, and be welcomed at in anyway - modern look that enhances south Bruce. - retain youth - employment - economic development 	<ul style="list-style-type: none"> - grocery store. - day care - good parking - within walking distance downtown Teeswater. - have in Teeswater. - education programs / coops - job opportunities and learning about them for local youth. - still have the rural , small town, simple, ag and beautiful "small town" vibe and feel. - not "corporatey" at all. - incorporate indigenous culture in many different ways. - art and drama programs . - opportunities for fitness. - green house or outdoor trails?
<p>I think the concepts are nice, blending in nicely to the environment and with lots of natural light</p>	<p>Making sure that the snow doesn't reduce the usability of the space or give the feeling of being buried</p>	<p>Provide a space that could be used by the community for events, classes. Also demonstrate that the NWMO is committed to the community.</p>	<p>Multi-purpose spaces that could be used for clubs (like Scouts) or classes (art or karate), potentially an auditorium for presentations, performances. Kitchen facilities that could potentially be used for classes or a community kitchen would be nice. A daycare for NWMO staff</p>

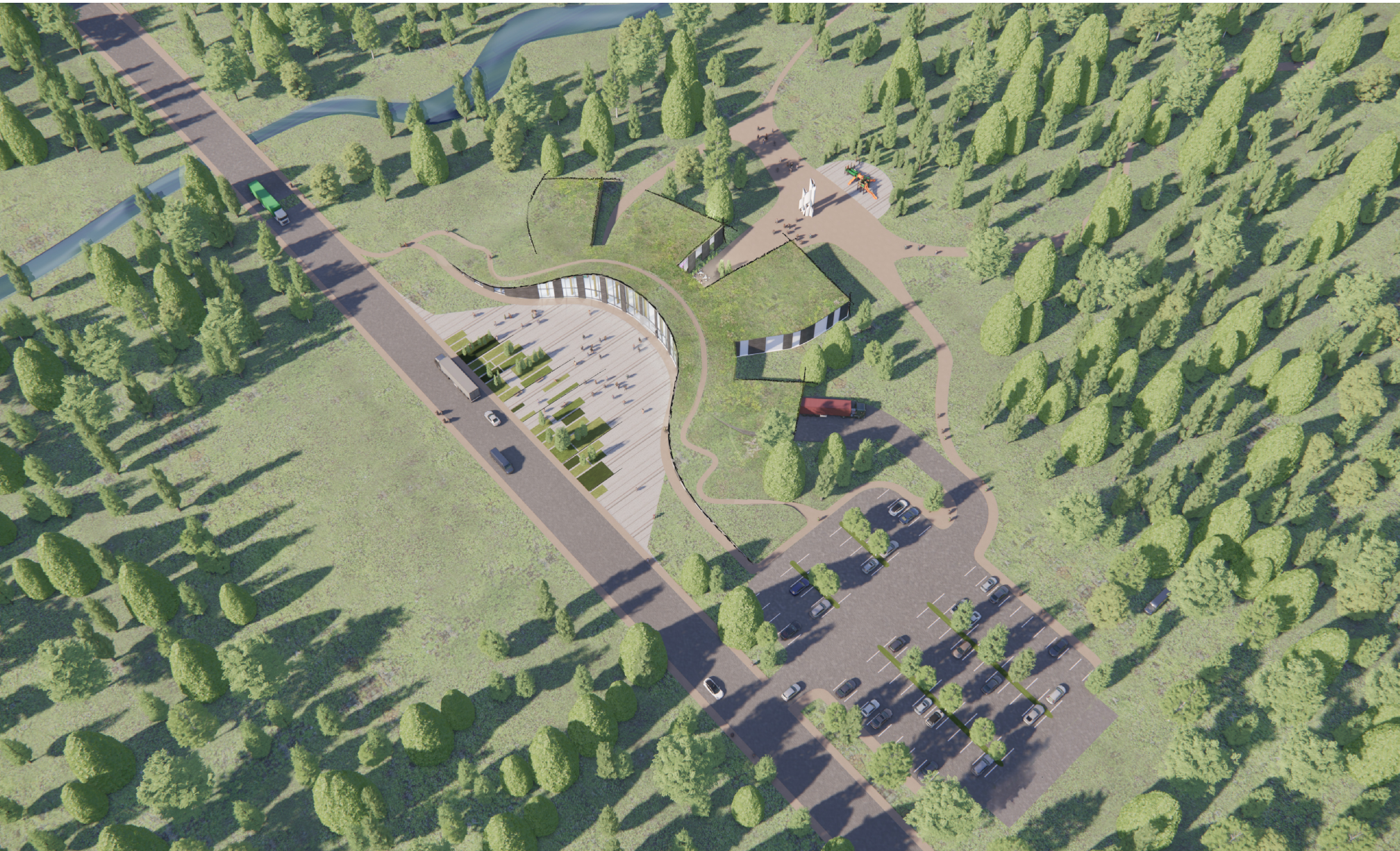
Appendix D

Ignace – Final Conceptual Designs







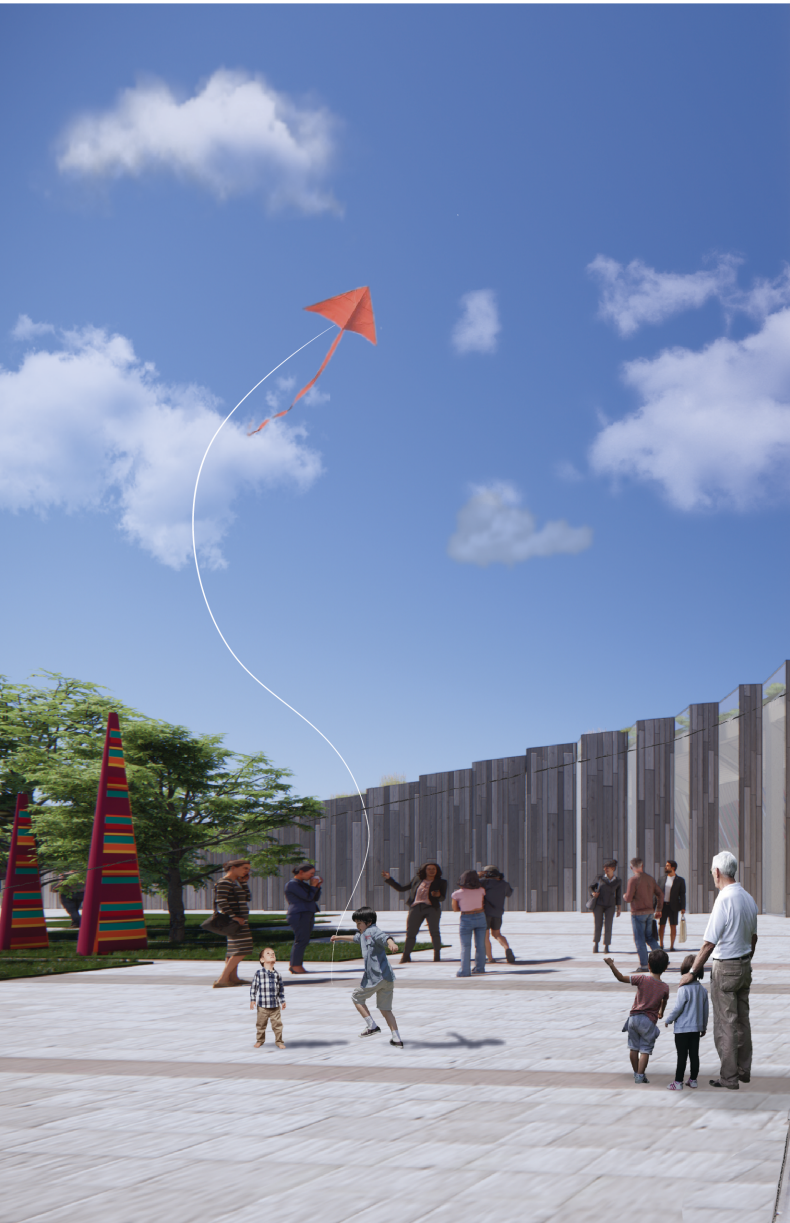


Appendix E

South Bruce – Final Conceptual Designs











At Colliers, we are enterprising.

We maximize the potential of property to accelerate the success of our clients and our people.

Our expert advice to property occupiers, owners and investors leads the industry into the future. We invest in relationships to create enduring value. What sets us apart is not what we do, but how we do it. Our people are passionate, take personal responsibility and always do what's right for our clients, people and communities. We attract and develop industry leaders, empowering them to think and act differently to drive exceptional results. What's more, our global reach maximizes the potential of property, wherever our clients do business.

collierscanada.com



This document has been prepared by Colliers International for advertising and general information only. Colliers International makes no guarantees, representations or warranties of any kind, expressed or implied, regarding the information including, but not limited to, warranties of content, accuracy and reliability. Any interested party should undertake their own inquiries as to the accuracy of the information. Colliers International excludes unequivocally all inferred or implied terms, conditions and warranties arising out of this document and excludes all liability for loss and damages arising there from. This publication is the copyrighted property of Colliers International and/or its licensor(s). ©2022. All rights reserved.