Community Conversations on Partnership

Setting the Groundwork for Exploring Next Steps

nwmo
NUCLEAR WASTE MANAGEMENT ORGANIZATION
SOCIÉTÉ DE GESTION DES DÉCHETS NUCLÉAIRES

MUNICIPALITY OF South Bruce

What are the values and principles that should guide these more detailed discussions about the project?

Be involved in the discussion and share your thoughts by attending a discussion session, or by dropping off the question form at the South Bruce Municipal Office (21 Gordon Street East, Teeswater) or the NWMO's Learn More Centre (12 Clinton Street, Teeswater).

Electronic versions can be emailed to sbclc@southbruce.ca

Please submit completed forms by January 31, 2018.

South Bruce is one of several communities in Ontario exploring the possibility of hosting the deep geological repository, Centre of Expertise, and other facilities that are part of Canada's plan for the long-term management of used nuclear fuel. The project is referred to as Adaptive Phased Management (APM).

Since 2012, South Bruce has been involved in a process of learning about the project and assessing whether it could be a good fit for the community as part of the site selection process led by the Nuclear Waste Management Organization (NWMO).

Preliminary studies conducted to date suggest the APM project can be implemented safely in South Bruce, and the project has the potential to align with the *Municipality of South Bruce Corporate Strategic Plan 2014 – 2019* and a number of other community reports.

South Bruce and the NWMO are now at the point of beginning collaborative discussions to look at the project in more detail, to understand more clearly what it would mean if the project were implemented in South Bruce, and how the project might be configured to fit with South Bruce's priorities and objectives. Ultimately, the project will only proceed with the involvement of South Bruce, First Nation and Métis communities in the area, and surrounding communities working in partnership to implement it.

The community conversations we are starting today are intended to help set the groundwork for these discussions. Values and principles are important because they will guide the way South Bruce and the NWMO talk and work with each other during more detailed conversations about the project.

What are the values and principles that should guide these more detailed discussions between South Bruce and the NWMO? For example, values and principles might include the commitment to all ideas being considered, the need to report out regularly to community members to ensure transparency, treating benefit to the community as paramount, and engaging in the spirit of mutual respect.

Once we establish the values and principles to guide the partnership discussion, the next step would be to explore in detail:

- the various components of the project and how these components might fit within the community or be distributed in a broader area;
- the involvement of neighbours and partners in the implementation of this large project and how to engage them;
- the investments in the area that would be needed to support the project; and
- coming together finally in the development of a plan for how the project would be implemented if the area was selected to host the project and it decided to do so.

Throughout, we will develop a clear picture of the benefits for the community and area and any challenges or risks. We have time to consider this carefully over the next several years.

To help get the conversations started, we have identified a few discussion questions. There is a large library of material which has been assembled through activities to date – we have summarized some of that material in the pages which follow as background for this discussion with links for further learning.

Background Information:

A. Our Shared Responsibility

Canada has been generating electricity from nuclear power for more than half a century. Nuclear power has been a significant source of Ontario's electricity for several decades and is currently responsible for more than 60 per cent of Ontario's power. One of the legacies of this electricity production is used nuclear fuel, which is a compact, solid material that needs to be contained and isolated from people and the environment, essentially indefinitely.

Canada, like many other countries around the world, has a plan for the safe, long-term management of used nuclear fuel. It will ensure the used fuel can be kept separate from people and the environment without needing anyone to actively take care of it. The plan uses the best science and learnings from nature and natural systems. It is recognized internationally as the best approach.

There are currently just under 2.7 million used nuclear fuel bundles safely stored in interim storage facilities that require long-term management.

Canada's plan was developed in dialogue with a broad cross-section of Canadians and Indigenous peoples across the country (2002-2005). The Government of Canada selected APM as Canada's plan for the long-term management of used nuclear fuel. The starting point for this plan is that this generation is taking responsibility for the management of the waste it has created and is not leaving it as a burden to future generations.

B. The Plan

APM has as its end point a deep geological repository that will safely contain and isolate Canada's used nuclear fuel. An extended monitoring period and a repository design that allows retrievability are key components. APM also includes a management system that is based on phased and adaptive decision-making supported by sustained engagement of people and communities throughout implementation. It also includes continuous learning to ensure we are responsive to advances in technology, research, Indigenous Knowledge, and societal values.

The project consists of surface facilities as well as the repository, which must be located in a suitable rock formation. Some of the surface facilities could be located directly above the repository or dispersed within the region, depending on the communities' desires and preferences.

A national Centre of Expertise will be an important part of the project. The Centre of Expertise will be located in or near the area selected to host the deep geological repository. The centre's key purpose initially will be to support the multi-year program of technical testing and verification, and to support ongoing planning and discussion with community members. It would later be expanded to support construction and operation of the deep geological repository. Important aspects of the centre will be developed collaboratively with the community. The Centre of Expertise will be home to active technical and social research, and a technology demonstration program. It will involve scientists

and other specialists in a wide variety of disciplines, including geoscience, engineering, and environmental, socio-economic, and cultural impact assessment. The centre will become a hub for knowledge sharing across Canada and internationally. The high level of international collaboration will be expanded as the centre welcomes scientists and visitors from other countries who wish to benefit from the work being led at Canada's national facility.

This national infrastructure project involves an expenditure of approximately $23.6 billion (2015 $). It will be an engine for economic activity across an area involving sustained employment and investment over many decades.

C. The Site Selection Process

Since 2010, the NWMO has been working collaboratively with interested communities to identify a single site where Canada's used nuclear fuel can be safely and securely contained and isolated over the long term. The initiative to begin to explore the suitability of areas has come from communities that expressed interest in learning more about the project. Their expressions of interest began a process of technical studies that identified potentially suitable study areas within and around those communities. Engagement and outreach are now broadening to include First Nation and Métis communities, as well as neighbouring municipalities in learning more about the project and becoming involved in decision-making.

Twenty-two communities initially came forward to learn about the project and explore the potential to host it in their area. A series of increasingly detailed studies to assess potential to meet the project's robust technical safety and social requirements have informed a gradual narrowing-down process. Preliminary assessment studies are now focused in and around seven of these communities. At this stage of the process, none of these communities, including South Bruce, have decided to host the project.

For More Information

Description of a Deep Geological Repository and Centre of Expertise for Canada's Used Nuclear Fuel

Available at nwmo.ca

South Bruce Community Values, Aspirations, and Findings from Early Studies

South Bruce has outlined a vision, five strategic goals, and accompanying objectives in *Municipality of South Bruce Corporate Strategic Plan 2014 – 2019*. These are briefly outlined below.

Vision Statement

South Bruce is a growing, dynamic, agriculturally-rooted community that provides accessible and affordable amenities for residents and businesses, creating an environment supportive of growth, vibrant downtowns that foster small business, and a unique, year-round destination experience.

Goal 1: Create a Strong Corporate Climate that Supports Local Business Growth and Sustainability

Strategic Objective: Establish a supportive corporate culture that strengthens business retention, expansion and attraction, entrepreneurial activity, and new industry investment (including Adaptive Phased Management considerations).

Goal 2: Create and Promote a Culture that Practices Clear Communication, Inclusiveness, Transparency and Accountability

Open and transparent communication between and among employees, the community and taxpayers through regular dissemination of relevant information that is shared in an accessible, timely and inclusive manner.

Goal 3: Secure the Fiscal Capacity Necessary to Develop and Maintain Infrastructure Improvements that Address Bridge Replacements, Road Resurfacing, and Drainage Concerns

Develop and lead capital infrastructure initiatives that address community needs, reflect sustainable planning practices and future demand considerations, with a commitment to fiscal responsibility.

Goal 4: Create a Strong Corporate Environment that Supports Retention and Succession Planning for Municipal Staff

A Corporate Succession Planning Strategy that includes a comprehensive market assessment and compensation review, municipal best practices study, and operational assessment for all levels of staff, establishing South Bruce as an “employer of choice”.

Goal 5: Support Existing and New Opportunities to Attract New Residents and Retain Young Adults and Senior Populations

Establish and lead initiatives to position South Bruce as a community of choice among populations that tend to leave the community to access required services and opportunities.

Findings from Earlier Studies

Studies conducted to date suggest the APM project has the potential to be a fit for South Bruce. The project has the potential to enable the aspirations of the community as laid out in plans and through this, foster well-being as South Bruce defines it. The project would generate desired population and economic growth and provide the Municipality with the human and fiscal resources necessary to shape its future and well-being in keeping with its plan.

The project can be developed in a manner that protects people and the environment. Effective mitigation would ensure the quality of the natural environment is maintained and, where desired, municipal revenues from the project could be used to fund environmental initiatives such as reforestation and sustainable agriculture.

For More Information:

South Bruce Reports

- Municipality of South Bruce Corporate Strategic Plan 2014 – 2019
- Municipality of South Bruce Economic Development Strategy 2014 – 2019

NWMO Studies

Available at nwmo.ca

- Community Profile
- Community Well-Being Assessment
- Project Economics: Employment



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Community Conversations on Partnership:
Setting the Groundwork for Exploring Next Steps

South Bruce is one of several communities in Ontario exploring the possibility of hosting the deep geological repository and Centre of Expertise that are part of Canada's plan for the long-term management of used nuclear fuel. At this stage of the process, none of the communities, including South Bruce, have decided whether or not they wish to host the project.

Preliminary studies suggest this national infrastructure project can be implemented safely in South Bruce, and the project has the potential to align with the *Municipality of South Bruce Corporate Strategic Plan 2014 – 2019* and a number of other community reports. South Bruce and the NWMO are beginning detailed discussions to explore what it would mean if the project were implemented in South Bruce.

This community conversation on guiding values and principles will help set the groundwork for these more detailed conversations about the project.

Name: _____

Address: _____

Telephone Number: _____

Email: _____

Thank you for sharing your thoughts and being involved in the discussion. Completed forms can be dropped off at the South Bruce Municipal Office (21 Gordon Street East, Teeswater) or the NWMO's Learn More Centre (12 Clinton Street, Teeswater).

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Please drop off completed forms by January 31, 2018.

Question 1

Values and principles are important because they will guide the way South Bruce and the NWMO talk and work with each other during more detailed conversations about the project. What values or principles – that is rules or requirements – should guide discussions and future decision-making between South Bruce and the NWMO? Why are these values and principles important?

Question 2

What should we avoid doing while having partnership discussions?

Question 3

Other suggestions or rules that should be considered?

April 2018

Community conversations on partnership

Reviewing Draft Principles

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Municipality of South Bruce

South Bruce is one of several communities exploring the possibility of hosting the deep geological repository and Centre of Expertise that are part of Canada's plan for the long-term management of used nuclear fuel. None of these communities, including South Bruce, have decided whether or not they wish to host the project.

Preliminary studies suggest this national infrastructure project can be implemented safely in South Bruce and that the project has potential to align with the *Municipality of South Bruce Corporate Strategic Plan 2014 – 2019*, along with a number of other community reports.

South Bruce and the Nuclear Waste Management Organization (NWMO) are beginning detailed discussions to explore what it would mean if the project were implemented in the community. Community workshops were conducted to develop guiding values and principles to set the groundwork for these more detailed conversations about the project. A set of principles emerged from these workshops.

We need your input. Please review the draft principles and share your thoughts!

Please provide your contact information so we can continue to involve you.

Name: _____

Address: _____

Telephone Number: _____

Email: _____

Thank you for sharing your thoughts and being involved in the discussion. Completed forms can be dropped off at the South Bruce Municipal Office (21 Gordon Street East, Teeswater) or the NWMO's Learn More Centre (12 Clinton Street, Teeswater).

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Please drop off completed forms by April 13, 2018.

Review the draft principles

1 Safety

Safety is first and foremost.

It is essential that the project be safe across its lifespan of construction, operation and into the distant future. People need to feel confident that the project will not be a source of health problems. They must feel safe and secure for the long period of time used nuclear fuel requires management.

2 Environment

The environment must be protected, including precious waters, land and air.

Environmental protection stands alongside health and safety. The area has unique natural resources and a rich agricultural heritage. These resources must not be compromised. It is essential they be safeguarded across the whole lifespan of the project.

3 Trust and transparency

Discussions and decision-making must be open and honest.

A successful partnership rests on the cornerstones of trust, transparency, accountability and respect. All partnership actions and decisions should be grounded on these values.

4 Communication

Project communications and discussions need to be understood by a broad audience. Communications are concise, consistent and encourage dialogue.

Communications need to be clear, concise and readily understood. Increased awareness within the community needs to be generated and outreach to neighbours needs to take place. Learning must be ongoing and the community needs to be actively involved.

5 Inclusive and collaborative

We will work together collaboratively.

All negatives and positives will be heard. There are no exclusions. We seek opportunities to engage our youth.

6 Community betterment

There must be a broad benefit across the community now and in the future.

Project benefits must extend across the community. The project should be a platform for the future, including providing opportunities for youth. It should inspire innovation and managed growth in the community – physically, financially and socially. It should recognize, support and enhance the unique character and attributes of community and ensure they are not compromised.

7 Regional involvement

The region must be engaged and there should be benefit to the region now and in the future.

The project must have benefit beyond the community. To help ensure this takes place, neighbours need to learn about the project and be involved in implementation.

Share your thoughts

Question 1

Have we covered what is most important? Are there important values and principles that should be added?

Question 2

Each value and principle has a short description. Can you suggest refinements to these descriptions that would make them clearer or the principles stronger?

Question 3

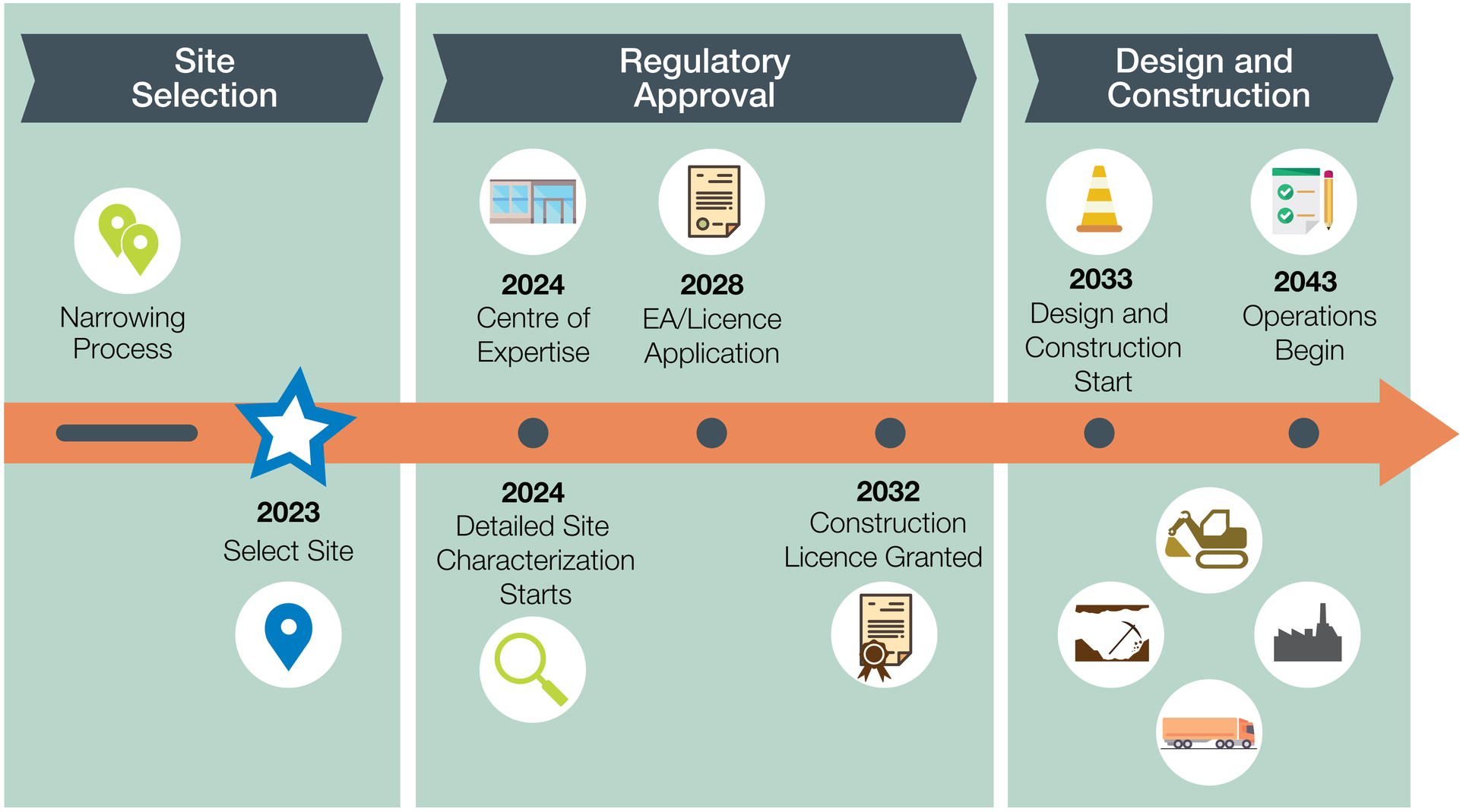
Do you have other comments or suggestions?



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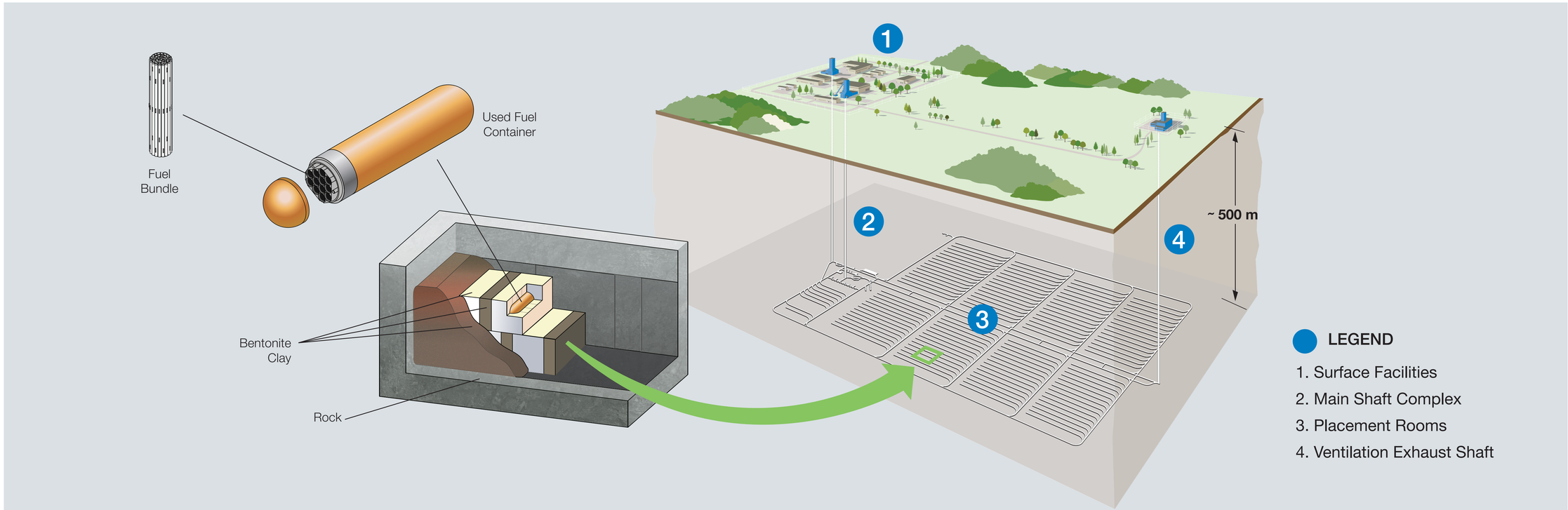
Poster boards for community workshops

Project timelines



National infrastructure project

- Protection of people and environment
- High technology
- Strongly regulated
- Centre of Expertise
- Long-term partnership between NWMO and community
- Investment of ~$23 billion
- Decades of sustainable operation
- International consensus



The Centre of Expertise

- Will support multi-year program of technical testing and verification and later the construction and operation of the deep geological repository
- Important aspects of the Centre will be developed collaboratively with people in the area





Here are some early artist renderings of what the Centre might look like.

www.nwmo.ca

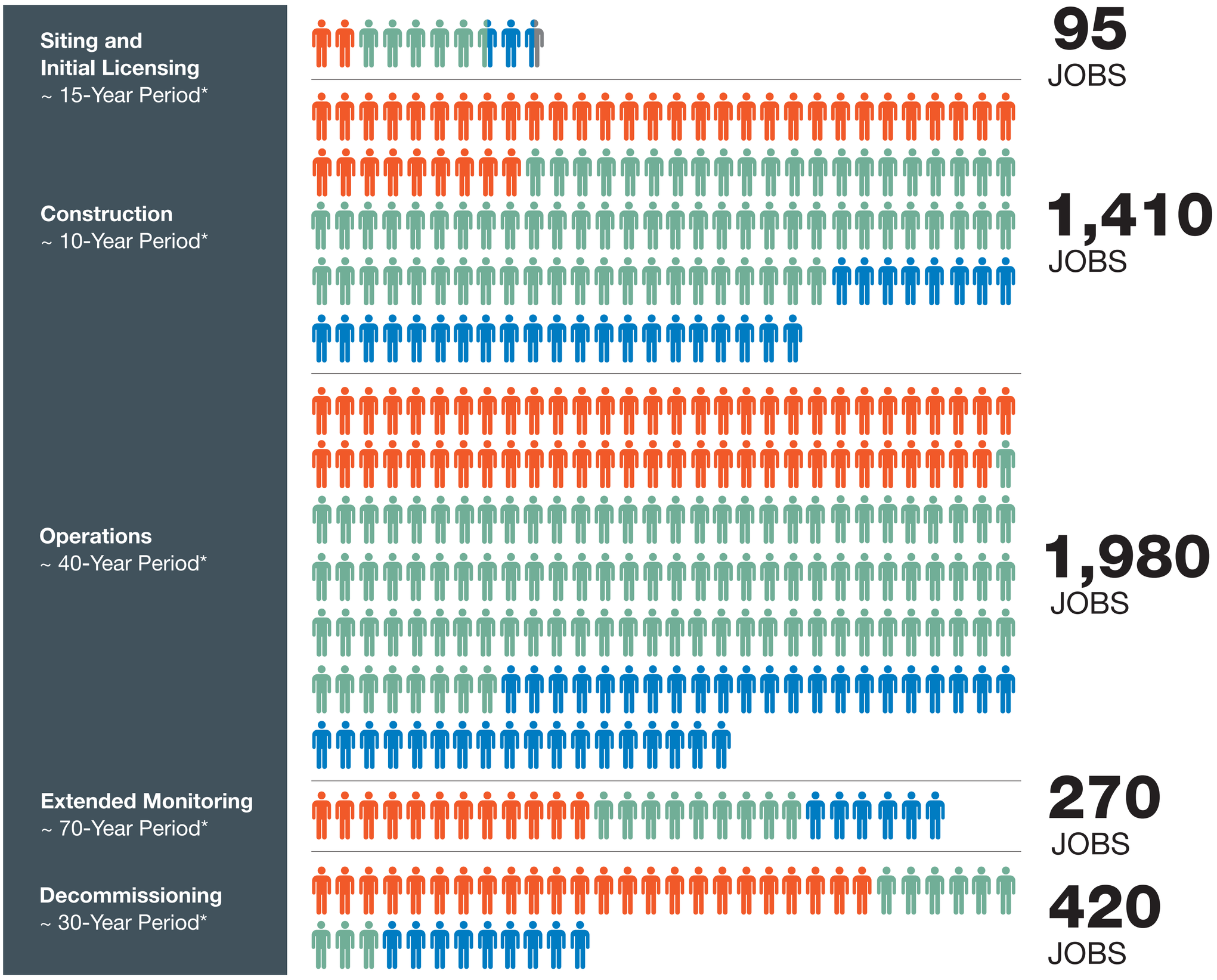
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Project economics:
Estimated annual employment by phase of project

South Bruce and area



* All timelines are estimates for planning purposes – actual times may vary.

Through working together to plan implementation, we can optimize and direct economic benefits associated with the project to support communities' preferences and aspirations

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Proposed roadmap to partnership (2017-2022)

Aligned Partnerships	Through a schedule developed and agreed upon with partners
Investments	Identify and deliver investments that drive capability and economic prosperity for partners
Identify Required Partnerships	Identify required partnerships with whom, at what level, in what combination, and when
Develop Vision for the Project	Develop the project vision which will meet NWMO and South Bruce interests, and potential partners as well
Values and Principles to Guide Partnership Discussions	Agree on common values and principles to guide partnership discussions

We need your input

South Bruce and the NWMO are beginning detailed discussions to explore what it would mean if the project were implemented in the community. Community workshops were conducted to develop guiding values and principles to set the groundwork for these more detailed conversations. A set of principles emerged from these workshops. We need your input.

Question 1

Have we covered what is most important? Are there important values and principles that should be added?

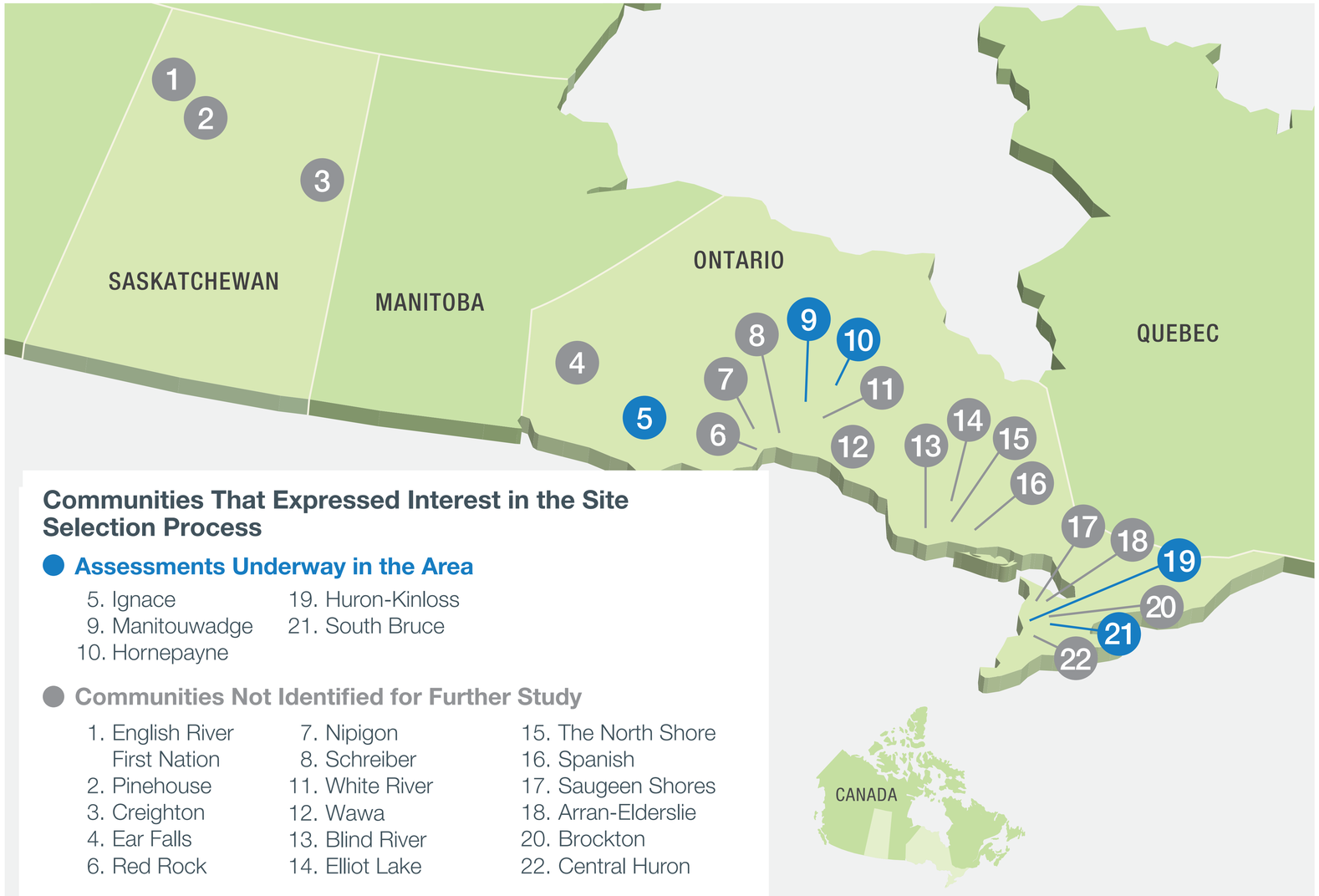
Question 2

Each value and principle has a short description. Can you suggest refinements to these descriptions that would make them clearer or the principles stronger?

Question 3

Do you have other suggestions on next steps?

Status of the site selection process



Communities That Expressed Interest in the Site Selection Process

Assessments Underway in the Area

5. Ignace
9. Manitouwadge
10. Hornepayne
19. Huron-Kinloss
21. South Bruce

Communities Not Identified for Further Study

1. English River First Nation
2. Pinehouse
3. Creighton
4. Ear Falls
6. Red Rock
7. Nipigon
8. Schreiber
11. White River
12. Wawa
13. Blind River
14. Elliot Lake
15. The North Shore
16. Spanish
17. Saugeen Shores
18. Arran-Elderslie
20. Brockton
22. Central Huron

Focus of assessments

Safety	Confidence a deep geological repository can be developed with a strong safety case at that location
Transportation	Confidence a safe, secure and socially acceptable transportation plan can be developed
Partnership	Confidence a strong partnership can be developed with the interested community, First Nation and Métis communities in the area, and surrounding communities

Draft

Principles from community conversations on partnership

	PRINCIPLE	STATEMENT	DESCRIPTION
1	**Safety**	*Safety is first and foremost*	It is essential that the project be safe across its lifespan of construction, operation and into the distant future. People need to feel confident that the project will not be source of health problems. They must feel safe and secure for the long period of time used fuel requires management.
2	**Environment**	*The environment must be protected, including precious waters, land and air*	Environmental protection stands alongside health and safety. The area has unique natural resources and a rich agricultural heritage. These resources must not be compromised. It is essential they be safe guarded across the whole lifespan of the project.
3	**Trust and transparency**	*Discussions and decision making must be open and honest*	A successful partnership rests on the cornerstones of trust, transparency, accountability and respect. All partnership actions and decisions should be grounded on these values.
4	**Communication**	*Project communications and discussions need to be understood by a broad audience. Communications are concise, consistent and encourage dialogue*	Communications need to be clear, concise and readily understood. Increased awareness within the community needs to be generated and outreach to neighbours needs to take place. Learning must be ongoing and the community needs to be actively involved.
5	**Inclusive and collaborative**	*We will work together collaboratively*	All negatives and positives will be heard. There are no exclusions. We seek opportunities to engage our youth.
6	**Community betterment**	*There must be broad benefit across the community now and in the future*	Project benefits must extend across the community. The project should be a platform for the future, including providing opportunities for youth. It should insipire innovation and managed growth in the community physically, financially and socially. It should recognize, support and enhance the unique character and attributes of community and ensure they are not compromised.
7	**Regional involvement**	*The region must be engaged and there should be benefit to the region now and in the future*	The project must have benefit beyond the community. To help ensure this takes place neighbours need to learn about the project and be involved in implementation.