



Corporation of the Municipality of South Bruce

Report Title: South Bruce Nuclear Exploration Project Study Update Report
Prepared By: Dave Rushton, Project Manager
Department: Administration
Date: April 27th, 2021
Report Number: Project Manager 03-04-2021
Attachments: Summary of South Bruce Studies and Peer Reviews

Recommendation

That the Municipality of South Bruce Council receives the report number Project Manager 03-04-2021 related to the South Bruce Nuclear Exploration Project.

Report Origin

To provide Council with an update on studies related to the South Bruce Nuclear Exploration Project.

Analysis

It was identified in the Fall of 2020, that in excess of 40 studies would need to be done to explore and understand more about the Project and inform the interests of the community as described in the 36 Guiding Principles.

1. Funding

Funding for this study work will come from the Nuclear Waste Management Organization (NWMO) and is included in an amended agreement presented to Council on April 27, 2021. This work will continue into 2023 and future budgets will need to reflect this and a full recovery from NWMO will be needed.

2. Consultants Update

The team of consultants are now engaged for the most part and are listed below. Further details can be found on the attached Summary of South Bruce Studies and Peer Reviews.

- **GHD Limited** Lead Consultant,
 - willingness process, and technical peer reviews
- **Redbrick Communications**
 - Communications consultant for the Project and the Municipality
- **MDB Insights**
 - Strategic Plan and Economic Development Update
 - Municipally-led Economic Development and peer review some socio-economic studies
- **Tract Consulting**
 - Recreation study
- **Watson & Associates**
 - Fiscal study
- **Burnside Engineering**
 - Peer review infrastructure studies

3. Studies

To keep council up to date on the type of studies that will be involve South Bruce. A list of the studies identified to date have been attached to this report as information. The studies identified as council is aware are derived from the 36 principles. Staff continue to review the scope of studies and work to set out the timing and planning of each study as we move forward.

4. Timing

The following study work is already underway:

- Determining the willingness process,
- 2014-2019 Economic Development Strategy and the Corporate Strategic Plan Update.

To begin many of the studies additional information is require from the NWMO. This information is being prepared to present to the NWMO Board in June 2021, and subsequently to their funding organizations to describe the full life cycle costing of the project. As a result, much of this information will not be available until the Fall of 2021. The work plans from consultants indicate a process that will extend up to 8 months to be finished, and for the NWMO studies they will then feed into additional studies or be ready for Peer Review by South Bruce's consultants.

Other studies such as the Geoscience work that is being done by the NWMO is not expected to be complete until the end of 2022 with the peer review report by GHD Limited not expected until several months after that, into 2023. Based on our current information it would appear that our community will be informed by the work that is currently planned by the third quarter of 2023. Information will be made available as it is completed and for the lengthier, more detailed studies we will ask for interim reports to be prepared to keep Council and the community informed.

This timeline update is being made with the best data that can be assembled at this time. Regular updates to Council will take place as new and significant information becomes available.

Our team will be working towards an informed decision for our community.

Submitted by:
Dave Rushton, Project Manager

Summary of South Bruce Studies and Peer Reviews

Study/EOI

1. Lead Consultant

2. Communications Consultant/Advisor

3. Municipally led Studies and Programs

Local Hiring Effects Study and Strategy
Demographics
Tourism Industry Effects and Strategy
Local Economic Development Study and Strategy
Economic Development Program – Youth
Agricultural Economic Development Study
Agricultural Sector Impact Study
Willingness
Effects on Recreational Resources
South Bruce Economic Development Plan Update
South Bruce Strategic Plan Update

4. Fiscal Impact and Public Finance

5. Technical Peer Reviews – Environment

Community Report Back – Environment Program
Local Hydrology and Water Quality - Baseline
Local Geology including Groundwater and Soils – Baseline and Effects
Local Atmospheric Conditions – Baseline
Local Terrestrial Species – Baseline
Local Aquatic Species – Baseline
Local Avian Species – Baseline
Species at Risk – Baseline
Ambient Radioactivity – Baseline
Effects on Surface Water Study
Ecological Effects Studies
Environmental Effects Study (Radiation)
Borehole Drilling & Seismic Testing

6. Technical Peer Reviews – Infrastructure Improvements

Infrastructure Baseline and Feasibility
Local Traffic Effects Study
Road Conditions Effects Study
Aggregate Resource Study

7. Technical Peer Reviews – Socio-Economic

Effects on Community Safety
Effects on Community Health Programs
Effects on Vulnerable Populations
Effects on Local/Regional Educational Study
Effects on Social Programs/Services

Consultant

Greg Ferraro, GHD Limited

Redbrick Communications

MDB Insight

MDB Insight

MDB Insight

MDB Insight

MDB Insight

MDB Insight

TBD

GHD Limited

Tract Consulting

MDB Insight

MDB Insight

Watson & Associates

GHD Limited

GHD Limited

GHD Limited

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GHD Limited

GHD Limited

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GHD Limited

GHD Limited

GHD Limited

Burnside Engineering

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Burnside Engineering

GHD Limited

GHD Limited

GHD Limited

MDB Insight

GHD Limited

Effects on Well-Being	GHD Limited
Workforce Development Study	MDB Insight
Local Hiring Study	MDB Insight
Housing Need and Demand Analysis	MDB Insight
Baseline Housing Study	MDB Insight
Emergency Services Study	GHD Limited
Property Value Monitoring Program	South Bruce
Land Use	GHD Limited
Regional Economic Development Study	MDB Insight
Labour Baseline Study Program	MDB Insight