

The Corporation of the Township of Ignace
Committee of the Whole Meeting of Council
Monday, November 30th, 2020 at 6:00 pm



ELECTRONIC MEETING

Public notice is hereby given that Council will be meeting electronically as permitted by Bill 187, Municipal Emergency Act, 2020.

Citizens are encouraged to attend
the virtual meeting via the following link:

Join Zoom Meeting

<https://zoom.us/j/93925329396?pwd=OGZmVC9lTm50RmhqWHdyQ1puZkNqQT09>

Passcode: 976702

AGENDA

- 1. Call to Order**
- 2. Agenda**

Verbal Motion

Moved by:

Seconded by:

THAT, the Agenda for the Committee of the Whole this 30th day of November 2020, be approved as presented.

- 3. Declaration of Pecuniary Interest and the General Nature Thereof**

4. Delegations/Deputations/Presentation

- a) Rachelle Davenport- NWMO site Activity update Technical & Engagement
- b) Rachelle Davenport- Ignace Project Visioning Community Conversations
- c) Eric Melillo, MP- Update

5. Adoption of Minutes

- a) November 09th, 2020 Committee of the Whole Minutes

Verbal Motion

Moved by:

Seconded by:

THAT, the Committee of the Whole hereby recommends that council approves the Minutes of the Committee of the Whole Meeting dated November 09th, 2020, as presented.

6. Business Arising from Minutes:

7. Unfinished Business from Minutes:

8. Reports of Committees & Departments

8.1 Operations Department

- a) Operations Report- Ignace Drinking Water System- October 2020

Verbal Motion

Moved by:

Seconded by:

THAT, Council for the Corporation for the Township of Ignace here by accepts the Operations Reports for the Ignace Drinking Water System, dated October 2020 as prepared by Northern Waterworks Inc.

b) Operations Report- Ignace Water Pollution Control Plant- October 2020

Verbal Motion

Moved by:

Seconded by:

THAT, Council for the Corporation for the Township of Ignace here by accepts the Operations Reports for the Ignace Water Pollution Control Plant, dated October 2020 as prepared by Northern Waterworks Inc.

8.2 Public Works Department

a) Public Works Update- Report

Verbal Motion

Moved by:

Seconded by:

THAT, The Committee of the Whole recommends that Council for the Corporation of the Township of Ignace hereby accepts the Public Works update report prepared by the Manager of Infrastructure and Recreational Services

8.3 Planning & Development Department

a) Jeff Lederer- Ignace Project Visioning Community Conversations

Verbal Motion

Moved by:

Seconded by:

BE IT RESLOVED THAT The committee of the Whole hereby recommends that the Council for the Corporation of the Township of Ignace accept the report prepared by Intergroup called Ignace Project Visioning Community Conversations;

AND FURTHER THAT the committee of the Whole hereby recommends that Council for the Corporation of the Township of Ignace adopts the collective vision of the Ignace-NWMO;s Evaluative Framework for Assessing the Adaptive Phase Management (AMP) Project.

- b) Township of Ignace New Official Plan- November 2020
- c) Township of Ignace New Zoning By-law November 2020
- d) Manager of Special Projects Report

Verbal Motion

Moved by:

Seconded by:

THAT, The Committee of the Whole recommends that Council for the Corporation of the Township of Ignace hereby accept the Report prepared by the Manager of Special Projects.

- e) Township New Logo

Verbal Motion

Moved by:

Seconded by:

THAT, The Committee of the Whole recommends that Council for the Corporation of the Township of Ignace hereby approves and accepts the Ignace Logo Design Report and adopts the new Design as the new Logo for the Township of Ignace

8.4 Finance Department

- a) 2020 Revised Budget Report

Verbal Motion

Moved by:

Seconded by:

THAT, Council approves the proposed 2020 Revised Budget as presented.

b) 2021 Water Meter Readings/Billings

Verbal Motion
Moved by: _____ **Seconded by:** _____
THAT, Council receives the report on the update for the Water Meter Readings and Billings for the upcoming 2021 fiscal year for information purposed only.

8.5 Recreation Department

a) Recreation Department Update- December

Verbal Motion
Moved by: _____ **Seconded by:** _____
THAT, The Committee of the Whole recommends that Council for the Corporation of the Township of Ignace hereby accepts the Recreation Programmers report to Council as presented

8.6 Fire Services Department

a) Verbal Update by Fire Chief- Robert Berube

8.7 Human Resources & Labour Relations

a) Volunteer Code of Conduct

Verbal Motion
Moved by: _____ **Seconded by:** _____
THAT, The Committee of the Whole recommends that Council for the Corporation of the Township of Ignace hereby approve the Volunteer Code of Conduct Form as presented;
FURTHER THAT Volunteers appointed to Committees and Participating in Township sponsored events be required to read and sign prior to participating.

9 Correspondence

a) 2021 OGRA Conference

Verbal Motion Moved by:	Seconded by:
THAT, The Committee of the Whole recommends that Council for the Corporation of the Township of Ignace hereby approve the attendance of _____ to attend the OGRA 2021 Conference dates February 22 nd - 25 th , 2021.	

10 Local Boards and Committees

a) Ignace Public Library – Request for Funding

Verbal Motion Moved by:	Seconded by:
THAT, The Committee of the Whole recommends that Council for the Corporation of the Township of Ignace hereby approves \$7830.41 to be allocated from the Community Well-Being Fund	

b) LCAC – Local Community Advisory Committee

Verbal Motion Moved by:	Seconded by:
THAT, The Committee of the Whole Receives the Report from the Local Community Advisory Committee as presented.	

c) Ignace Community Nuclear Liaison Committee (INCLC) October 20th, 2020
Minutes

Verbal Motion

Moved by:

Seconded by:

THAT, the Committee of the Whole hereby recommends that council approves the Minutes from the INCLC dated October 20th, 2020, as presented.

11 Reports of Council Members

a) Mayor Penny Lucas – Procedural By-Law #64/2020

Verbal Motion

Moved by:

Seconded by:

THAT, the Committee of the Whole hereby recommends that Council receives this report and passes a Motion to replace By-Law #96/2016 and that By-Law #15/2020

12 Notices of Motions

13 Questions from the Public

14 Adjournment



Township of Ignace Deputation Request Form

Please Note: Deputations are limited to 10 minutes in length

**Requests for Deputations must be received by 4:00 pm on the
Friday prior to the Council Meeting**

Council Meeting Date: Nov 30/2020 Request Received By: _____
Name Of Person Requesting Deputation: Rachelle Davenport
Address: 304 Main St
Town/City: Ignace Postal Code: P0T 1T0
Phone: 857 323 2200 Fax: _____
E-Mail: rdavenport@nwmo.ca
Subject Title: NWMO site activity update
technical & engagement
Type: Oral/Written Digital (Delegate is responsible for all equipment required)

Copies: All Deputations are required to provide a written copy of their presentation prior to the meeting or during the meeting to all Council Members and the Administrator/Treasurer and Clerk.

Time Limit: All Deputations are limited to ten (10) minutes.

Submit Via:

Fax: (807) 934-2864

Hand Deliver or Mail To:
Council Deputation Request
34 Highway 17 W, PO Box 248,
Ignace, ON P0T 1T0



**Township of Ignace
Deputation Request Form**

Please Note: Deputations are limited to 10 minutes in length

**Requests for Deputations must be received by 4:00 pm on the
Friday prior to the Council Meeting**

Council Meeting Date: Nov 30/2020 Request Received By: _____

Name Of Person Requesting Deputation: Rachelle Davenport

Address: 304 Main Street

Town/City: Ignace Postal Code: POT 1T0

Phone: 807 323-2200 Fax: _____

E-Mail: rdavenport@nwmo.ca

Subject Title: Ignace Project Visioning
Community Conversations *

Type: Oral/Written Digital (Delegate is responsible for all equipment required)

Copies: All Deputations are required to provide a written copy of their presentation prior to the meeting or during the meeting to all Council Members and the Administrator/Treasurer and Clerk.

Time Limit: All Deputations are limited to ten (10) minutes.

Submit Via:

Fax: (807) 934-2864

Hand Deliver or Mail To:
Council Deputation Request
34 Highway 17 W, PO Box 248,
Ignace, ON POT 1T0

** Jeff Lederer will be
co-presenting on this
topic.*



**The Corporation of the Township of Ignace
Committee of the Whole Meeting Minutes
Monday, November 09th, 2020 at 6:00 pm**

Council

Mayor Penny Lucas
Deputy Mayor Debbie Hart
Councillor Chantelle Tucker
Councillor Greg Waldock
Councillor Shaun Defeo

Staff

Lynda Colby, Clerk
Vanessa Rosin, Clerk Assistant

Public

18 participants

1. Call to Order

Deputy Mayor Debbie Hart called the meeting to order this 09th day of November 2020, at 6:02 pm.

2. Agenda

Verbal Motion

Moved by: Cllr. Defeo

Seconded by: Cllr. Tucker

THAT, the Agenda for the Committee of the Whole this 09th day of November 2020, be approved with the following amendments:

6) Davey Lake Cemetery

7) Phase 2 Funding for COVID-19 relief

8.4) Motion change to Committee of the Whole recommends.

CARRIED

3. Declaration of Pecuniary Interest and the General Nature Thereof

4. Delegations/Deputations/Presentation

- a) Official Plan- Kasper Koblauch, RPP, MCIP, Project Planner, Planning, Landscape Architecture & Urban Design

Verbal Motion

Moved by: Mayor Lucas

Seconded by: Cllr. Defeo

THAT, Council for the Corporation of the Township of Ignace close the public meeting respecting the Township of Ignace Final Draft Official Plan.

CARRIED

- b) Zoning By-Law- Kasper Koblauch, RPP, MCIP, Project Planner, Planning, Landscape Architecture & Urban Design

Verbal Motion

Moved by: Cllr. Tucker

Seconded by: Cllr. Waldock

THAT, Council for the Corporation of the Township of Ignace close the public meeting respecting the Township of Ignace Final Draft Zoning By-law.

CARRIED

5. Adoption of Minutes

- a) October 26th, 2020 Committee of the Whole Minutes

Verbal Motion

Moved by: Cllr. Waldock

Seconded by: Cllr. Defeo

THAT, the Committee of the Whole hereby recommends that council approves the Minutes of the Committee of the Whole Meeting dated October 26th, 2020, as presented.

CARRIED

6. Business Arising from Minutes:

- a) Davey Lake Cemetery

7. Unfinished Business from Minutes

- a) Phase 2 Funding COVID-19 Relief

8. Reports of Committees & Departments

8.1 Public Works Department:

- a) Update Prepared by Ralph Cox, Infrastructure and Recreation Services Manager, informed council on the training that had commenced with Dan Arbour with the new loader, which arrived and generated excitement with the crew and currently the loader is being used in the Training Sessions. As well as a new Arena Attendant/operator (Robert Clewlow).

8.3 Planning and Development Department:

8.4 Finance Department

- a) By-Law 60.2020 Vesting of Property Unsuccessful Tax Sales

Verbal Motion

Moved by: Cllr. Waldock

Seconded by: Cllr. Tucker 9

THAT, Council authorizes the passing of By-Law 60.20 Being a By-Law to authorize the write-off of Municipal Taxes and the Vesting of Properties in the Township of Ignace; and further;

THAT, Council declares the properties set-out in Schedule "A" of By-Law 60.20 surplus and directs Staff to sell the properties in accordance with the Municipal Policy and practices.

CARRIED

8.5 Recreation Department

Katelyn provided Council with a written update of activities and results from the events that have been being provided. The turnout of the Halloween treat bags was excellent with 147 bags being delivered. Thirty homes donated to this event as well. The Arena is ready and open with the first public skate on November 8th. A Canteen Attendant has been hired Mary Berglund and the Township of Ignace has partnered in delivering a program called Kids Zone – Kids Zone is a safe place for kids to go and be creative all activities are based on mental health.

8.6 Fire Services Department

None

8.7 Human Resources & Labour Relations

None

9. Correspondence

- a) Ignace Sliver Tops – Community Well Being Fund – Donation Request

Verbal Motion

Moved by: Cllr. Defeo

Seconded by: Cllr. Tucker

THAT, The Committee of the Whole recommends that Council for the Corporation of the Township of Ignace hereby approves a donation in the amount of \$16,000.00 from the Community Well Being Fund to the Ignace Sliver Tops to introduce virtual learning to all the willing to learn seniors in Ignace.

Council requested a break down of costs before approving the donation.

DEFFERED

b) ROMA Annual Conference

Verbal Motion

Moved by: Cllr. Tucker

Seconded by: Cllr. Waldock

THAT, The Committee of the Whole recommends that Council for the Corporation of the Township of Ignace hereby approve the attendance of up to five members of Council or Staff to attend the ROMA annual Conference dates January 25th- 26th, 2021.

CARRIED

c) AMCTO 2020 Municipal Licensing & Law Enforcement Forum

Verbal Motion

Moved by: Cllr. Waldock

Seconded by: Cllr. Tucker

THAT, The Committee of the Whole recommends that Council for the Corporation of the Township of Ignace hereby approve the attendance of Lynda Colby, Jeff Lederer and Keith Roseborough to attend the 2020 Municipal Licensing & Law Enforcement forum on December 3rd, 2020

CARRIED

10. Local Boards and Committees

a) Ignace Cemetery Committee- Municipal Cemetery possible Expansion

Verbal Motion

Moved by:

Seconded by:

THAT, The Committee of the Whole recommends that Council for the Corporation of the Township of Ignace directs administration to continue to look into the requirements for an expansion of the Municipal Cemetery (Davey Lake Road) including the history of names for the Cemetery

CARRIED

11. Reports of Council:

None

12. Notices of Motions:

None

13. Questions from the Public:

Q: When properties are being sold are their conditions being implemented with sale.

A: Yes

14. Adjournment:

Verbal Motion

Moved by: Cllr. Waldock

Seconded by: Cllr. Tucker

THAT, the Committee of the Whole Meeting this 09th day of November 2020, be adjourned at 7:38 pm.

CARRIED

Mayor, Penny Lucas

Clerk, Lynda Colby

Councillor, Debbie Hart

Councillor, Greg Waldock

Councillor, Chantelle Tucker

Councillor, Shaun Defeo

Operations Report

October 2020

Ignace Drinking Water System



Prepared for the Township of Ignace
Prepared by NWI – Ignace
405 Railway Street, Ignace ON
Tel: 807.934.6672
Fax: 807.934.2805
Email: ignace@nwi.ca



1 Introduction

This Operations Report has been prepared by Northern Waterworks Inc. (NWI) to summarize the operation of the **Ignace Drinking Water System**. Operations Managers are responsible for generating this report on a monthly basis, and the data summarized herein is provided in a year-to-date format. The submission of this report is one of the methods used by NWI to communicate information about system performance to the Township of Ignace. Any questions or concerns regarding the content of this document may be directed to the local Operations Manager or to NWI's Compliance Department.

Classified as a large municipal residential system, the Ignace DWS is composed of the Raw Water Pumping Station (RWPS), the Ignace Water Treatment Plant (WTP) and the Ignace water distribution system. Potential pathogenic organisms are removed and inactivated by membrane filtration and primary disinfection using free chlorine.

Low lift pumps located at the RWPS transfer raw water from its source at Kekwanzik Lake to the Ignace WTP. Upon transfer, the optional application of polyaluminum chloride (primary coagulant) into the raw water upstream from the flocculation tanks will depend upon source water quality. When this chemical system is used to facilitate coagulation and flocculation, a tiny pin floc will be created to assist particle removal during membrane filtration. Water is then directed to one of four Zenon membrane filtration units located at the WTP. Permeate is drawn through the membrane filters via an applied vacuum and is transferred to the treated water storage reservoirs. Sodium hypochlorite (disinfectant) is added to the filtrate water upon transfer to the reservoirs.

The chlorinated water is held in the treated water storage reservoirs to allow for the necessary time required to achieve primary disinfection. Treated water is then transferred to the distribution system using high lift pumps located at the WTP. Secondary disinfection requirements in the distribution system are achieved by maintaining a free chlorine residual. Optional injection points exist for sodium hypochlorite and sodium hydroxide (pH/alkalinity adjustment) at a location following the reservoirs but prior to entry to the distribution system.

2 Flow Monitoring Results

Table 1 provides selected flow statistics for the Ignace DWS. Raw and treated water flows are continuously monitored at the Ignace WTP, and Operators review flow trends and collect totalized volumes on a daily basis. Limits concerning the amount of raw water that may be taken and the amount of treated water that may be directed to the distribution system are provided within system approvals. As per the Municipal Drinking Water Licence, calibration for flow monitoring devices is verified on an annual basis to ensure that the flowrate is measured with an accuracy to within plus or minus 5% of the actual flowrate for the entire design range of the device.

Table 1: Total volumes, daily flows and capacity assessments¹

Month	Raw Water			Treated Water			Capacity Assessments ²	
	TMV (m ³)	ADF (m ³ /day)	MDF (m ³ /day)	TMV (m ³)	ADF (m ³ /day)	MDF (m ³ /day)	ADF	MDF
Jan	23,436	756	894	21,446	692	736	25%	27%
Feb	24,050	829	1,009	20,906	721	777	26%	28%
Mar	28,978	935	1,383	23,185	748	851	27%	31%
Apr	28,509	950	1,080	21,531	718	739	26%	27%
May	29,212	942	1,193	22,644	730	838	27%	31%
Jun	25,362	845	1,129	22,023	734	846	27%	31%
Jul	27,603	890	1,047	23,632	762	867	28%	32%
Aug	28,853	931	1,225	25,154	811	1,037	30%	38%
Sep	26,073	869	1,268	22,589	753	1,020	28%	37%
Oct	27,095	874	1,035	23,239	750	934	27%	34%
Nov	—	—	—	—	—	—	—	—
Dec	—	—	—	—	—	—	—	—
Total	269,171	—	—	226,348	—	—	—	—
Avg	26,917	882	—	22,635	742	—	27%	—

1. TMV = Total Monthly Volume; ADF = Average Daily Flow; MDF = Maximum Daily Flow.

2. Capacity assessments compare average and maximum daily treated water flows to the rated capacity of the treatment facility (2,730 m³/day), as provided within the system's approval.

3 Water Quality

NWI employs an in-house water quality analysis program that includes several water quality indicators and extends beyond minimum regulatory requirements. **Table 2** provides monthly average results for selected water quality parameters, as derived from the in-house water quality analysis program. Treated water turbidity should remain below the aesthetic objective of 5.0 NTU, while treated water pH should remain within the aesthetic objective range of 7.0 to 10.5. The facility typically operates at a treated water free chlorine residual of between 1.00 and 2.00 mg/L.

The table also summarizes filter performance against the performance criterion contained within the system's Municipal Drinking Water Licence. Specifically, filtrate turbidity must be less than or equal to 0.1 NTU in at least 99% of the measurements each calendar month for the treatment facility to receive pathogen removal credits. The values in the table correspond to the proportion of filtrate turbidity measurements that were equal to or less than 0.1 NTU.

Table 2: Water quality summary and filter performance¹

Month	Source Water		Treated Water			Filtrate Turbidity Compliance			
	Turbidity (NTU)	pH	Turbidity (NTU)	pH	FCR (mg/L)	Filter 1 (%)	Filter 2 (%)	Filter 3 (%)	Filter 4 (%)
Jan	0.43	7.0	0.05	7.2	1.39	100.00	99.99	99.99	100.00
Feb	0.43	7.0	0.04	7.4	1.40	99.99	100.00	100.00	100.00
Mar	0.35	6.9	0.05	7.3	1.41	99.97	99.91	100.00	99.96
Apr	0.62	7.1	0.05	7.4	1.34	100.00	99.98	99.94	99.89
May	1.15	7.4	0.04	7.5	1.33	100.00	99.99	100.00	100.00
Jun	1.30	7.4	0.04	7.5	1.27	99.98	100.00	99.94	99.97
Jul	1.50	7.1	0.04	7.4	1.35	99.92	99.97	99.94	99.98
Aug	1.17	7.3	0.04	7.3	1.39	99.98	99.99	100.00	100.00
Sep	1.52	7.4	0.05	7.3	1.39	99.99	100.00	99.98	99.98
Oct	1.33	7.5	0.05	7.4	1.47	99.98	99.97	100.00	100.00
Nov	—	—	—	—	—	—	—	—	—
Dec	—	—	—	—	—	—	—	—	—
Avg	0.98	7.2	0.04	7.4	1.37	—	—	—	—

1. FCR = Free Chlorine Residual

Analyses of microbiological, organic, and inorganic parameters are conducted externally by an accredited laboratory. Results of these analyses are summarized in a separate *Annual Report*; NWI is available to provide sampling results prior to the release of the Annual Report. Any adverse results will be included within section 6 (Notable Operational Events) of this report.

4 Membrane Integrity Test Results

The membrane integrity test (MIT) is conducted daily by Operators to ensure that the membrane filtration units are performing as designed. To meet the manufacturer's guidelines and to guarantee pathogen removal, the MIT results must achieve a Log Removal Value (LRV) of at least 4.00. LRVs are also used to determine when membrane cleaning and repairs may be required.

Table 3 below summarizes monthly average LRVs. A more detailed analysis of log removal values and membrane filter integrity is provided within the annual *Management Review Report*.

Table 3: Monthly average log removal values

Month	Membrane Filter 1	Membrane Filter 2	Membrane Filter 3	Membrane Filter 4
Jan	4.56	4.72	4.47	4.81
Feb	4.37	4.49	4.33	4.43
Mar	4.35	4.48	4.44	4.56
Apr	4.21	4.31	4.26	4.39
May	4.18	4.27	4.47	4.31
Jun	4.11	4.19	4.14	4.53
Jul	4.24	4.21	4.11	4.20
Aug	4.47	4.46	4.27	4.21
Sep	4.21	4.25	4.15	4.42
Oct	4.27	4.41	4.17	4.35
Nov	—	—	—	—
Dec	—	—	—	—
Avg	4.30	4.38	4.28	4.42

5 Chemical Usage

In addition to adjusting chemical dosages in response to variations in source water quality and to maintain effective treatment processes, Operators are responsible for monitoring and recording chemical consumptions and dosages on a daily basis. **Table 4** summarizes total chemical consumptions and monthly average dosages for treatment chemicals used at the Ignace WTP. Coagulant and sodium hydroxide maybe used on a seasonal or as required basis at the facility depending upon source water quality and other operational considerations. Other chemicals not listed in the table, including citric acid and sulphuric acid, are either not used consistently or are used in smaller quantities. All chemicals used in the treatment process are NSF/ANSI 60 certified for use in potable water.

Table 4: Chemical consumptions and average dosages

Month	Sodium Hypochlorite (Disinfection)		Polyaluminum Chloride (Coagulant)		Sodium Hydroxide (pH Adjustment)	
	Amount Used (L)	Average Dosage (mg/L)	Amount Used (L)	Average Dosage (mg/L)	Amount Used (L)	Average Dosage (mg/L)
Jan	643	3.5	112	6	51	1.8
Feb	493	2.7	636	33	148	5.0
Mar	523	2.6	801	34	182	5.6
Apr	486	2.5	749	33	178	5.8
May	539	2.7	575	24	70	2.2
Jun	591	3.1	558	27	72	2.3
Jul	758	3.6	749	34	74	2.2
Aug	812	3.7	823	35	83	2.4
Sep	771	3.9	786	37	71	2.2
Oct	796	4.0	858	39	68	2.1
Nov	—	—	—	—	—	—
Dec	—	—	—	—	—	—
Total	6,411	—	6,645	—	997	—
Avg	641	3.2	665	30	100	3.2

6 Notable Operational Events

Table 5 (Abnormal Operations Summary) summarizes abnormal operational events which occurred during the reporting period. Abnormal operational events include, but are not limited to, unplanned and emergency maintenance and repair, alarm conditions, watermain breaks and distribution system repairs, adverse water quality incidents, and complaints and other public inquiries received and actions taken.

Table 5: Abnormal operations summary

Incident Date	Event Description	Corrective Action	Resolution Date
31-Oct-20	There was an alarm condition following the detection of an AC power supply phase fault on membrane filter unit no. 2.	An investigation determined that the phase monitor requires replacement. New units have been ordered.	Ongoing

Table 6 (Other Notable Events) summarizes any notable operational events which occurred during the reporting period. For clarification, other notable operational events include, but are not limited to, regulatory issues, including inspection results, orders, and reports filed with regulators, planned maintenance and repair, health and safety issues, and status updates concerning capital projects.

Table 6: Other notable events

Date	Event Description
06-Oct-20	Operations staff participated in a Township meeting of the emergency management team via videoconference.
19-Oct-20	Representatives with Clow Darling Limited completed the annual boiler inspection and servicing at the treatment facility.
22-Oct-20 to 23-Oct-20	The Ministry Water Inspector was on site to conduct the annual inspection for the Ignace Drinking Water System. No incidents of regulatory noncompliance were identified.
28-Oct-20	Representatives with Clow Darling Limited completed the annual testing of backflow prevention devices at all sites.
31-Oct-20	Operators resumed annual distribution system flushing and hydrant maintenance activities.

Operations Report

October 2020

Ignace Water Pollution Control Plant



Prepared for the Township of Ignace

Prepared by NWI – Ignace

405 Railway Street, Ignace ON

Tel: 807.934.6672

Fax: 807.934.2805

Email: ignace@nwi.ca



1 Introduction

This Operations Report has been prepared by Northern Waterworks Inc. (NWI) to summarize the operation of the **Ignace Water Pollution Control Plant**. Operations Managers are responsible for generating this report on a monthly basis, and the data summarized herein is provided in a year-to-date format. The submission of this report is one of the methods used by NWI to communicate information about system performance to the Township of Ignace. Any questions or concerns regarding the content of this report may be directed to the local Operations Manager or to NWI's Compliance Department.

The Ignace Water Pollution Control Plant (WPCP) is a component of the sewage works that service the community of Ignace. Designed for the treatment and disposal of sewage, the facility has an average daily rated capacity of 2,536 m³/day and a peak flow rated capacity of 7,500 m³/day. The facility consists of inlet works designed for preliminary treatment, two circular secondary treatment units each containing an aeration tank, clarifier, and chlorine contact chamber, an aerobic digester, and an outfall sewer discharging effluent to Agimak Creek. The facility also includes a control building housing a laboratory, air supply equipment, a standby power system and chemical feed systems.

As an extended aeration facility the Ignace WPCP utilizes a biological treatment method that relies upon microorganisms to process influent wastewater. Aluminum sulphate, sodium hydroxide and sodium hypochlorite are also used at the facility for phosphorus reduction, pH/alkalinity adjustment and effluent disinfection, respectively. The overall goal of the treatment process is to reduce or remove contaminants from influent wastewater to a level that will not adversely impact or impair receiving waters, including preventing the introduction of pathogens that could affect downstream users.

The facility is currently regulated by the terms and conditions within amended Environmental Compliance Approval No. 0923-9V7JCC (the ECA), issued to the Corporation of the Township of Ignace on April 29, 2015. This approval provides the operating parameters for the facility and includes requirements related to monitoring and recording, water quality (i.e. effluent objectives and compliance limits), operations and maintenance, reporting and bypass/overflow events. The facility is also regulated under additional provincial and federal legislation, such as the *Ontario Water Resources Act* and Canada's *Wastewater Systems Effluent Regulations* (WSER).

2 Flow Monitoring Results

Table 1 provides flow statistics for the Ignace WPCP. Operators review flows and collect totalized volumes from flow monitoring equipment on a daily basis. The regulatory approval for the facility requires that the Owner and Operating Authority use best efforts to operate the works within the facility's rated capacity (2,536 m³/day – calculated over a calendar year). Flow monitoring results are also used to determine effluent parameter loadings that are discharged to the environment.

Table 1: Total volumes, daily flows and capacity assessments¹

Month	Influent (Raw Sewage) Flows			Capacity Assessments ²		Effluent Flows		
	TMV (m ³)	ADF (m ³ /day)	MDF (m ³ /day)	ADF vs. Rated Capacity	MDF vs. Rated Capacity	TMV (m ³)	ADF (m ³ /day)	MDF (m ³ /day)
Jan	34,381	1,109	1,419	44%	19%	27,746	895	1,138
Feb	29,867	1,030	1,339	41%	18%	23,330	804	996
Mar	30,525	985	1,301	39%	17%	24,835	801	1,120
Apr	32,112	1,070	1,431	42%	19%	25,837	861	1,088
May	32,490	1,048	1,271	41%	17%	26,243	847	1,071
Jun	34,382	1,146	1,463	45%	20%	28,312	944	1,197
Jul	32,479	1,048	1,320	41%	18%	26,583	858	1,075
Aug	30,759	992	1,292	39%	17%	25,462	821	1,090
Sep	34,184	1,139	1,418	45%	19%	29,919	997	1,178
Oct	33,549	1,082	1,388	43%	19%	30,618	988	1,281
Nov	—	—	—	—	—	—	—	—
Dec	—	—	—	—	—	—	—	—
Total	324,728	—	—	—	—	268,886	—	—
Avg	32,473	1,065	—	42%	—	26,889	882	—

1. TMV = Total Monthly Volume; ADF = Average Daily Flow; MDF = Maximum Daily Flow.

2. Capacity assessments compare average and maximum daily influent wastewater flows to the rated capacity (2,536 m³/day) and peak flow rate (7,500 m³/day) of the treatment facility, respectively.

As per the ECA, calibration for flow monitoring devices is verified on an annual basis to ensure that the flowrate is measured with an accuracy to within plus or minus 15% of the actual flowrate for the entire design range of the device. Due to the flow measurement application, differences between influent and effluent flows are to be expected. Differences are acceptable provided there is overlap in the tolerance ranges between the respective devices. Corrective actions such as calibration, repair or replacement may be indicated where tolerance ranges do not overlap.

3 Water Quality

Operators verify the effectiveness of treatment processes by performing a variety of in-house analyses, including tests for dissolved oxygen, temperature, pH and suspended solids. Operators are also responsible for collecting samples and submitting them to an accredited laboratory for analysis. Specifically, the Ignace WPCP employs a monitoring program that is both consistent with its system-specific Environmental Compliance Approval and with the federal Wastewater Systems Effluent Regulations (WSER). **Table 2** below summarizes the results of tests submitted to the laboratory in the current calendar year and compares the results to effluent objectives and compliance limits contained within the ECA.

Table 2: Effluent monitoring results summary and comparison with limits and objectives¹

Month	CBOD ₅		TSS		Total P		TAN ⁴	E. Coli	pH	
	MAC ² (mg/L)	MAL ³ (mg/L)	MAC (mg/L)	MAL (mg/L)	MAC (mg/L)	MAL (mg/L)	MAC (mg/L)	MGMD (MPN/ 100mL)	Minimum Result	Maximum Result
Objectives	15	n/a	15	n/a	0.5	n/a	3.0 or 5.0 ⁴	150	6.5	9.0
Limits	25	63.4	25	63.4	1.0	2.54	6.0 or 10.0 ⁴	200	6.0	9.5
Jan	3.2	2.8	5.1	4.5	0.34	0.31	2.26	514	6.5	7.2
Feb	2.1	1.6	5.9	4.7	0.37	0.30	2.09	60	6.5	7.0
Mar	2.2	1.8	5.0	4.0	0.30	0.24	1.76	86	6.5	6.9
Apr	2.2	1.9	4.2	3.6	0.25	0.21	0.03	10	6.5	6.8
May	2.0	1.7	3.7	3.1	0.24	0.21	0.35	10	6.5	6.9
Jun	2.0	1.9	6.1	5.7	0.37	0.35	0.41	11	6.7	7.1
Jul	2.2	1.8	3.1	2.6	0.41	0.35	0.64	16	6.7	7.1
Aug	2.0	1.6	3.1	2.6	0.42	0.35	0.05	13	6.5	7.1
Sep	2.0	2.0	5.3	5.2	0.47	0.46	1.04	14	6.6	7.3
Oct	2.1	2.0	6.7	6.6	0.44	0.44	0.12	24	6.7	7.1
Nov	—	—	—	—	—	—	—	—	—	—
Dec	—	—	—	—	—	—	—	—	—	—

1. CBOD₅ = Carbonaceous Biochemical Oxygen Demand; TSS = Total Suspended Solids; Total P = Total Phosphorus; TAN = Total Ammonia Nitrogen; MAC = Monthly Average Concentration; MAL = Monthly Average Loading; MGMD = Monthly Geometric Mean Density

2. Monthly Average Concentration means the arithmetic mean of all daily concentrations during a calendar month.

3. Monthly Average Loading means the value obtained by multiplying the MAC of a contaminant by the Monthly Average Daily Flow (effluent) over the same calendar month.

4. The objective and limit for total ammonia nitrogen are seasonal. The objective is 3.0 mg/L and the limit is 6.0 mg/L between May 1 and October 31; the objective is 5.0 mg/L and the limit is 10.0 mg/L between November 1 and April 30.

4 Chemical Usage

Operators are responsible for monitoring and recording chemical consumptions and dosages, and chemical dosages are adjusted accordingly to maintain effective treatment processes. **Table 3** summarizes total chemical consumptions and provides monthly average dosages for treatment chemicals used at the Ignace WPCP. The facility uses aluminum sulphate for phosphorus reduction, sodium hydroxide for pH/alkalinity adjustment and sodium hypochlorite for effluent disinfection. Aluminum sulphate and sodium hydroxide may be used on a seasonal basis.

Table 3: Chemical consumptions and average dosages

Month	Sodium hypochlorite		Aluminum sulphate		Sodium hydroxide	
	Amount Used (L)	Average Dosage (mg/L)	Amount Used (L)	Average Dosage (mg/L)	Amount Used (L)	Average Dosage (mg/L)
Jan	280	1.2	236	6	604	14
Feb	390	2.0	224	5	581	15
Mar	581	2.8	247	5	649	16
Apr	927	4.2	230	5	868	21
May	1,150	5.2	236	5	938	22
Jun	1,032	4.3	218	5	941	21
Jul	1,121	5.0	194	5	1,018	24
Aug	957	4.5	236	6	978	24
Sep	961	3.8	224	5	922	21
Oct	1,032	4.0	241	5	879	20
Nov	—	—	—	—	—	—
Dec	—	—	—	—	—	—
Total	8,431	—	2,285	—	8,378	—
Avg	843	3.7	229	5	838	20

5 Notable Operational Events

Table 4 (Abnormal Operations Summary) summarizes abnormal operational events which occurred during the reporting period. Abnormal operational events include, but are not limited to, spills, bypass and overflow events, unplanned and emergency maintenance and repair, alarm conditions, sewer blockages and backups, and complaints and other public inquiries received and actions taken.

Table 4: Abnormal operations summary

Incident Date	Event Description	Corrective Action	Resolution Date
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There were no abnormal operational events during the reporting period.

Table 5 (Other Notable Events) summarizes any notable operational events which occurred during the reporting period. For clarification, other notable operational events include, but are not limited to, regulatory issues, including inspection results, orders, and reports filed with regulators, planned maintenance and repair, health and safety issues, and status updates concerning capital projects.

Table 5: Other notable events

Date	Event Description
07-Oct-20	A representative with Synergy Controls recalibrated the effluent flow monitoring device for the smaller-capacity treatment unit.
15-Oct-20	The new emergency diesel generator was delivered to the treatment facility.



THE CORPORATION OF THE TOWNSHIP OF IGNACE

121 Lily Pad Road, P. O. BOX 248, IGNACE, ONTARIO, P0T 1T0

Public Works Department

Telephone: (807) 934-2570

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ignace.ca

Prepared By: Ralph Cox, Infrastructure and Recreation Services Manager

Report To: Mayor and Council, Committee of the Whole – November 25, 2020

Subject: Public Works Updates

Public Works Update:

Training for Public Works Staff – Local trainer, Dan Arbour has been working with the public works staff for equipment sign offs. Each member is being trained on the JCB (skid steer); Front end Loader; Plow truck, Back Hoe and Grader.

The program was completed and each member of the Public works has received a certificate. A photo op by our communications specialist, Petrina Taylor as well as the Mayor and Clerk took place on Thursday, November 25th.

Street lighting around town. We have renewed our agreement with Hydro One and have had several street lights repaired along the highway corridor, Humphrey Road and West Street. During a cursory audit, 15 lights were identified as not working. Repairs have been made as of November 24th.

The Public Works Department is pleased to announce the recent team members who have joined the team.

Phil Gauthier who will fill the role of the Mechanic/Operator. Phil has been busy with the necessary repairs that are required on our equipment to ensure it is available to deliver the necessary services to our community resident's?

We are also pleased to welcome Bil Amos to the Waste Management team who will assist with the necessary collection services within our community.

We would also like to welcome Callie Essiembre and Robert Clewlow who recently accepted the Full-Time Arena Attendant position and Arena Attendant/Equipment Operator, respectfully.

The Christmas lights were recently installed by the Public Works and further electrical work has been schedule to ensure that all of our decorations are lite up along the Highway Corridor.

Ralph Cox

Infrastructure and Recreational Services Manager



Township of Ignace
34 Highway 17 West, P.O. Box 248 Ignace, ONTARIO P0T 1T0
Phone: 807-934-2202 Fax: 807-934-2864
ignace.ca

Prepared By: Jeff Lederer, Planning, Development, & Engagement Services Manager
Report To: Mayor and Township of Ignace Council
Date: November 24, 2020
Subject: Ignace-NWMO's Project Vision – Community Conversations Update

RECOMMENDATION

BE IT RESOLVED THAT the Committee of the Whole hereby recommends that the Council of the Corporation of the Township of Ignace accept the report prepared by Intergroup called Ignace Project Visioning Community Conversations;

AND FURTHER THAT the Committee of the Whole hereby recommends that the Council of the Township of Ignace adopts the collective vision of the Ignace-NWMO's Evaluative Framework for Assessing the Adaptive Phased Management (APM) Project.

BACKGROUND/ ANALYSIS

Over the past several months, a series of engagement activities took place in Ignace. These community conversations helped to identify Ignace-NWMO's priorities and objectives for the Adaptive Phased Management (APM) project. The priorities and objectives raised through dialogue represent the community's vision for the APM project helping to guide discussions between Ignace and NWMO. Collaboratively and collectively, the community and NWMO explored objectives for the APM project if it came to this area and, more importantly, how it could reflect our community's vision (Appendix A).

Community members identified **key questions** about the project to help support informed decision-making about the project. Community members also outlined preferences for the design and implementation of the **Centre of Expertise** that is an important part of the project.

A community's vision, key questions, and preferences for the Centre of Expertise all support ongoing conversations between Ignace and NWMO. Exploring and building collaborative partnerships is key to the successful implementation of the project. The community and NWMO will continue to mutually define and refine their thinking through ongoing conversations.

A third-party consultant, *Intergroup*, facilitated the recent engagement activities. Engagement activities involved advertised workshops, workbooks distributed at meetings and public events, one-on-one discussions, a newsletter and comment forms sent to all households, and a Learn More Office drop in session. The consultant's report details these engagement activities as well as what was heard from community members. The full report and their summary of key findings are attached in Appendix B.

Ignace-NWMO Project Vision

First and foremost, conversations with community members revealed that project safety for both people and the environment is paramount. They want to have a good understanding of the project and its potential impacts (i.e. risks and benefits) to support informed decision-making. Community members also expect that well-being will be fostered by NWMO and the project under the following key priority areas:

A. People:

- promoting community growth while embracing a "small-town" rural sense of place.
- planning and designing for growth to accommodate 2,500-3,000 people – an appropriate and familiar size for Ignace.
- retaining current and attracting new residents across all age groups with varying backgrounds and cultural diversity.
- supporting population growth strategies by maximizing project employment and skills training opportunities for local residents and NWMO employees as well as enhancing and expanding community facilities and services.

B. Economics and Finance:

- sustaining and complementing local businesses through collective efforts from NWMO and Ignace.
- encouraging and supporting local economic activity and diversity and maximize training and skills development for NWMO and Ignace.
- increasing household disposable income to elevate local economic activity; planning incrementally for both the project and community is key to ensuring long-term financial sustainability, fiscal accountability, and sound principles in practice.

C. Infrastructure:

- supporting both Ignace and NWMO throughout the life of the APM project with infrastructure and services that are well-coordinated, well-planned, and well-integrated.

- investing in new and existing facilities and infrastructure that not only helps with community growth and sustainability but also gives deliberate consideration for housing, transportation infrastructure, community aesthetics, and recreation/cultural facilities.

D. Community and Culture:

- protecting the “small-town” charm of Ignace and its foundation in the unique heritage, culture, people, and resilience.
- encouraging collaboration, resiliency, and self-reliance among citizens, reducing feelings of isolation due to the community’s remote location.
- celebrating our connections to the surrounding boreal forest and natural landscapes with enhanced and expanded recreation programming, cultural amenities, and community services.

E. Natural Environment:

- celebrating Ignace and NWMO’s strong connection and commitment to the surrounding outdoors and the natural resources.
- protecting our environment while supporting ongoing recreation and economic pursuits through environmental stewardship.
- enhancing local residents’ understanding of, and NWMO’s commitment to, the protection of our natural environment through ongoing communication about the project.

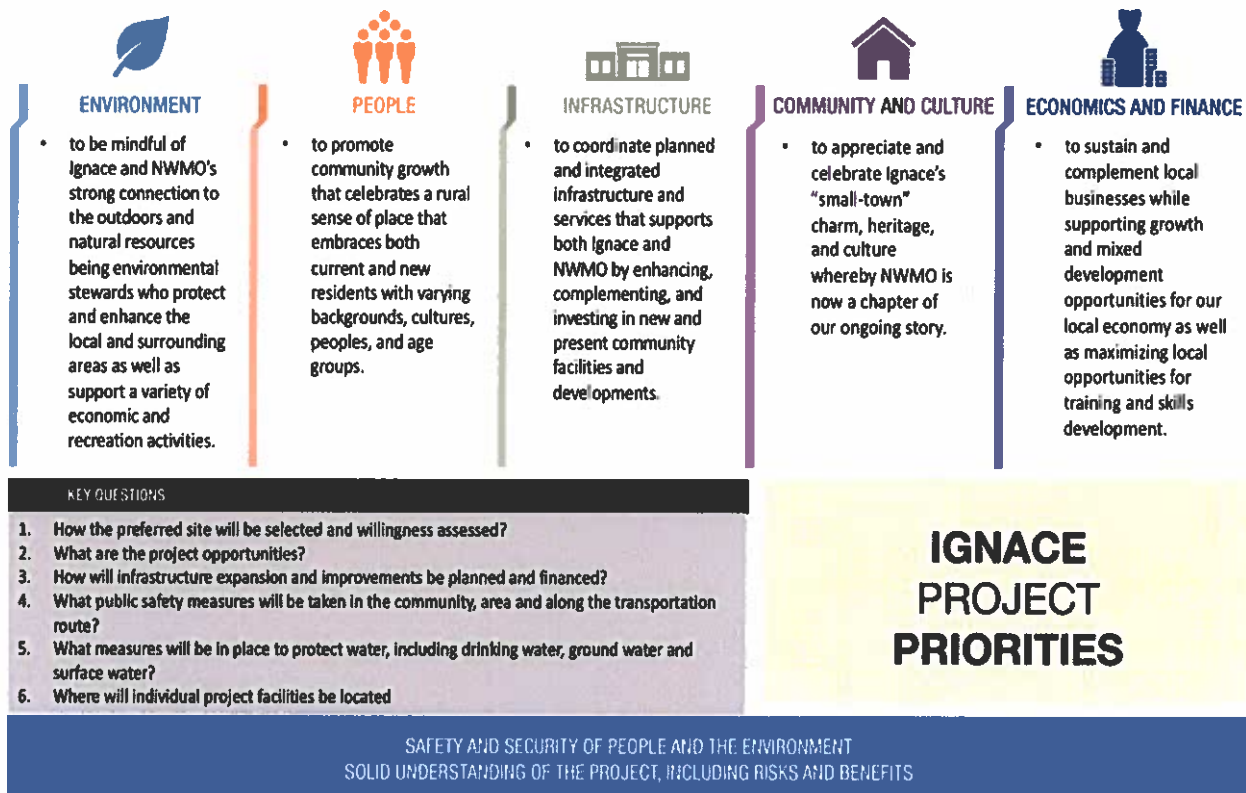
Key Questions to be addressed and Centre of Expertise

Community members identified the following key questions about the project to be addressed:

- how the preferred site will be selected and willingness assessed;
- project opportunities;
- planning and financing of infrastructure expansion and improvements;
- public safety measures that will be taken in the community, area and along the transportation route;
- measures to protect water, including drinking water, ground water and surface water; and
- where individual project facilities will be located.

The key questions, priorities for the Centre of Expertise, as well as the emerging community project vision are summarized ‘at a glance’ in Figure 1.

Figure 1: Community Priority Areas Regarding APR Project



Community Feedback

On November 10, 2020, the Township launched a community survey so that residents could review and comment on the main elements (i.e. community vision, understanding, and guiding principles) extrapolated from the Intergroup report. These served as a guiding principle from the ongoing conversations, dialogue, and consultations from the host community and surrounding area.

The partners wanted to hear from residents to ensure that this community vision is reflective of Ignace. Participants were asked to either complete a comment sheet or online survey via Survey Monkey (see Appendix 3). The comment sheets and survey were available/open until November 16, 2020. Posters were also distributed at key locations around the town such as the Post Office, Town Office, Arena, and Shoprite Grocery Store.

The original online post and survey reached **1,312** people as well as generated **460** post engagements, **9** shares, **3** comments, and **3** likes. The online survey was completed by **7** participants.

With respect to the first question via Survey Monkey, *“Having read the summary for our common vision, is there anything that we missed that needs to be included from our conversations?”*, most respondents [5] felt that it was a comprehensive/reflective while others would like to see a referendum [1] and/or clarification regarding how overarching principles and guidelines will be addressed in all stages of the APM project [1].

The second question, *“Is there anything else you would like to learn more about with respect to the opportunities and/or impacts of this project to Ignace and surrounding area?”* provided mix results related to additional information about bore holes [2], complete satisfaction [2], mitigative measures/plans for transportation accidents [1], scientific debate [1], growth/development [1]. If applicable, contact information provided was forwarded to NWMO for follow-up.

Next Steps

The combination of the community’s project vision, remaining key questions, and preferences for the Centre of Expertise all set the foundation for more detailed exploration and discussions about the project between Ignace and NWMO. These discussions will advance understanding between NWMO and Ignace about the project and its various components including the Centre of Expertise.

These discussions will identify also where facilities will be located within the community; the short and long-term investments needed to implement the project; and how other partners in the region could be involved. The community’s key questions also will help guide development of a study plan to address the topics of community interest as well as communication and information materials. This study plan will be shared with the community in the coming months.

FINANCIAL CONSIDERATIONS AND BUDGET IMPACT

- None

Appendix A

Ignace-NWMO's Evaluative Framework for Assessing the Adaptive Phased Management (APM) Project

Our Collective Vision

Through collaboration with Ignace residents and NWMO, a community vision has emerged that not only collectively captures the priorities and objectives of the APM project but also frames the parameters needed to make informed decisions. This decision-making process is reflective of the values, beliefs, and principles held by both NWMO and Ignace through ongoing engagement, dialogue, and mutual learning. Recognizing that community priorities and objectives will evolve and be refined over time, NWMO and Ignace will periodically evaluate the following list through ongoing engagement, collaboration, and exploration:

1. **Project Safety:** to demonstrate, first and foremost, safety for NWMO, our peoples, and the environment.
2. **Community Understanding:** to support informed decision-making so that Ignace and NWMO understand the risks and benefits of the APM project.
3. **Community Well-being:** to demonstrate support towards the overall well-being of our local, regional, and indigenous communities.
4. **Community Objectives:** to foster and advance our community well-being through the following prioritized areas:
 - *People:* to promote community growth that celebrates a “small-town” rural sense of place that embraces both current and new residents with varying backgrounds, cultures, peoples, and age groups.
 - *Economics and Finance:* to sustain and complement local businesses while supporting growth mix development opportunities for our local economy as well as maximizing local opportunities for training and skills development.
 - *Infrastructure:* to coordinate planned and integrated infrastructure and services that supports both Ignace and NWMO by enhancing, complementing, and investing in new and present community facilities/developments.
 - *Community and Culture:* to appreciate and celebrate Ignace’s “small-town” charm, heritage, and culture whereby NWMO is now a chapter of our ongoing story.
 - *Natural Environment:* to be mindful of Ignace and NWMO’s strong connection to the outdoors and natural resources being environmental stewards who protect and enhance

the local and surrounding area as well as support a variety of economic and recreation activities.

5. **Community Questions:** to help address the following questions posed by our community:

- How the preferred site will be selected and willingness assessed?
- What are the project opportunities?
- How will infrastructure expansion and improvements be planned and financed?
- What public safety measures will be taken in the community, area and along the transportation route?
- What measures will be in place to protect water, including drinking water, ground water and surface water?
- Where will individual project facilities be located?

6. **Community Preferences for the Centre of Expertise (COE):** to respond to the following suggestions, interests, and priorities by Ignace and NWWO for a COE:

- to locate in Ignace as an iconic attraction that is based on principles reflective, respectful, and mindful of our natural surroundings.
- to serve as a destination for residents, tourists, and researchers that is not only publicly welcoming but supports interactive and immersive features that appeal to both youth and adults.
- to address Ignace and NWWO needs for education and employment training, the COE should extend partnerships with post-secondary institutions as well as encourage space that celebrates local arts and culture.
- to adopt a design metaphor of trees (wood), rocks (stone), and water (glass) that reflects, integrates, and complements the community and its natural surrounding environment.
- to be designed as a welcoming, public, and multi-use facility that not only is a place of community functions, events, and other programming but also showcases our peoples, our local and indigenous traditions, our cultures, and our story.

APPENDIX B: INTERGROUP Report – Ignace: Project Community Conversations



Ignace
Project Visioning
Community Conversations
DRAFT



InterGroup
CONSULTANTS

Report prepared for the Nuclear Waste Management
Organization

October 13, 2020 *[Draft for discussion only]*

EXECUTIVE SUMMARY

BACKGROUND

Ignace entered the site selection process for the Adaptive Phased Management (APM) project in 2010 and since then has been learning about the project and exploring the relationship between its vision for the future and the project. Through this learning and discussion, Ignace community members began to identify priorities and objectives for the project if it were to be in the Ignace area. This includes priorities and objectives for the project in five identified key well-being areas: People, Economics and Finance, Infrastructure, Community and Culture, and Natural Environment. Ignace community members have also identified key questions that need to be addressed to support their consideration of the project, and priorities for a Centre of Expertise, which is part of the project.

PROCESS

The community has been involved in a multi-year process of learning and dialogue to explore the APM project and the community's interest in seeing the project implemented in the area. Over the course of this dialogue, the community has shared aspirations, priorities and objectives for the APM project, as well as key questions which need to be addressed. This most recent process was designed to build upon and explore more deeply the community's project vision. The recent exercise encouraged community members to provide their perspectives on three key questions:

1. What are your key priorities and objectives for the project?
2. What are the key concerns and questions about the project that still need to be addressed?
3. What are your thoughts about design features and/or activities that might help the Centre of Expertise support community well-being within the community and area?

An initial workshop with the Ignace Community Nuclear Liaison Committee (ICNLC) in December 2019 was intended to be followed with a series of in person community workshops in early 2020; however, these workshops were delayed due to the global COVID-19 pandemic. The overall approach was adapted to reflect the challenges of soliciting community feedback during a global pandemic. As such, the following activities were undertaken to gather community perspectives:

- One in-person workshop with ICNLC members facilitated by a third-party on December 2, 2019 (nine ICNLC members in attendance, along with two facilitators, and two NWMO staff).
- An online workshop on July 28, 2020 with the Project Working Group (16 people in attendance). The Project Working Group is comprised of a cross section of municipal representatives. Working group feedback was key in refining the Ignace project vision that was presented to other Ignace residents for feedback.
- An online workshop on August 18, 2020 with youth (ages 15 to 21 years old) (6 people in attendance). Youth were invited to participate as part of the NWMO's ongoing commitment to

engage youth to increase awareness of the project and hear their input about a multi-generational project.

- An online workshop on August 26, 2020 open to the public workshop that was advertised through a flyer that was mailed to each household in Ignace (9 people in attendance).
- Distribution of a community newsletter on August 31, 2020 to each household providing an overview of the emerging vision and key questions with an invitation to comment and join the conversation.
- A Project Vision Workbook, advertised by the community-wide newsletter and flyer, was made available on August 31, 2020 through:
 - The Ignace Learn More Centre and at the Mobile Learn More Exhibit, which was in Ignace from August 17-21, and September 1-4, 2020.
 - Workbooks distributed to community businesses.
 - Outreach to individuals who had expressed interest in the project vision.
 - A community drop-in session at the Learn More Centre on September 21, 2020 (advertised by mail drop with five people in attendance).
- Feedback received from a youth golf event on September 1, 2020.
- Municipal leadership was provided an opportunity to give feedback through one-on-one interviews, as well workbooks were dropped off to municipal employees to complete at their discretion.

In all, 31 residents participated in the online workshops. A total of 55 workbooks were distributed and 12 completed workbooks were received. In addition many individual conversations were held about the project vision over the course of the mobile exhibit visit, and Learn More Centre drop-in event.

Over the course of these discussions, Ignace residents were encouraged to reflect on the key questions, considering the NWMO's community well-being framework that includes the following topic areas (or pillars):

- People;
- Economics and Finance;
- Infrastructure;
- Community and Culture; and
- Natural Environment.

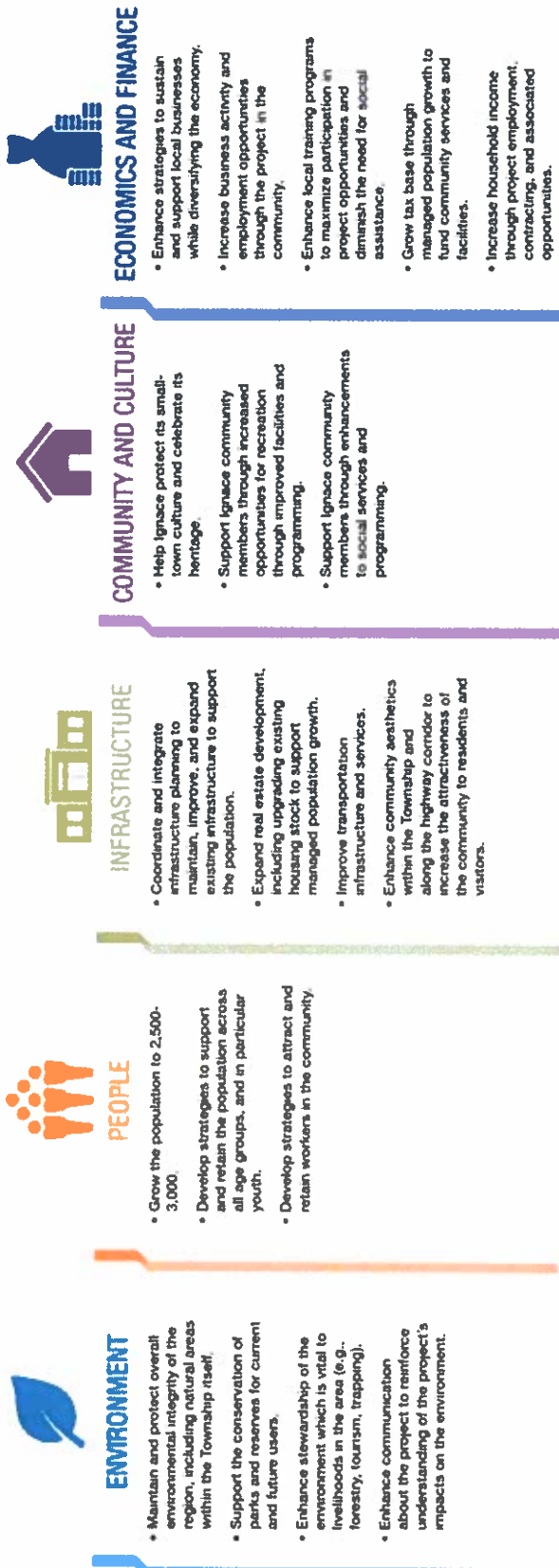
WHAT WE HEARD

Priorities

Discussions with Ignace residents to date have underlined that the project must first and foremost be safe for both people and the environment. Community members must have a good understanding of the project and its potential impacts including risks and benefits to support informed decision-making. The project must also help foster well-being in the areas that are important to the community. A summary of the community's priorities for the project organized by the community well-being framework is illustrated in Figure ES-1. A summary of the discussion included:

- **People:** The project should support community growth, while maintaining the small-town feel of Ignace. Growth should be managed growth and community members thought that 2,500-3,000 people would be an appropriate size for Ignace. Participants wanted the focus of population growth to be not only on attracting new residents but also on retaining current residents across all age groups. Strategies to support population growth of interest to community members may include maximizing project employment and training opportunities for local residents and enhancing the facilities and services availability in the community.
- **Economics and Finance:** The project should sustain and support local businesses, while supporting diversification of the local economy. The project should seek to maximize opportunities locally including targeted training and skills development for residents. This would serve to increase local income and to reduce reliance on social assistance. In planning for the project and community growth, the long-term financial sustainability of initiatives needs to be considered as the Township should not have to go into deficit to host the project.
- **Infrastructure:** Coordinated and integrated infrastructure and services planning is required to support the population during all phases of the project. Enhancement to existing facilities and the development of new infrastructure is important in attracting new residents to the community and retaining current residents. This includes consideration of housing, transportation infrastructure, community aesthetics, and recreation facilities.
- **Community and Culture:** The small-town nature of Ignace is important and maintaining a smaller population can contribute to the community's resilience in the long term. The project should seek to celebrate the community's heritage with consideration of people's connections to the surrounding boreal forest and natural landscapes. The community and its overall culture would benefit from improvements in recreation programming and social services.
- **Natural Environment:** Ignace residents have strong connections to the outdoors, with the natural resources surrounding the community supporting many outdoor recreation pursuits and economic activities. The project should seek to protect and enhance the overall environmental integrity of the region, including natural areas within the Township itself. Communication about the project should be enhanced to increase local residents' understanding of the project's impacts on the environment.

Figure ES-1: Ignace Project Priorities



KEY QUESTIONS

1. What factors will be considered in making the final siting decision for the project? How will willingness be determined?
2. What project opportunities exist and how can local participation in these opportunities be maximized?
3. How will the expansion and upgrades to infrastructure and services be planned for and financed, including housing?
4. What public safety measures will the NWMO put in place at the site, the community and area, and along the transportation route?
5. How will drinking water, ground water, and surface water resources be protected?
6. What are the project components and where will they be located?

IGNACE PROJECT PRIORITIES

SAFETY AND SECURITY OF PEOPLE AND THE ENVIRONMENT
SOLID UNDERSTANDING OF THE PROJECT, INCLUDING RISKS AND BENEFITS

Key Questions

In 2019, a survey was distributed in Ignace to explore what information people would like to receive about the project and how they would like to receive that information. Through this survey and other conversations, community members raised some key questions and concerns they would like to see addressed about the project. These emerging key questions were reviewed as part of these discussion as a starting point for discussion. In the workshops and the workbooks, participants wanted clarification or expressed interest in understanding more details about the questions. Based on this feedback, the following have been identified as key questions, with recognition that many of the questions have a series of sub-questions to reflect the details participants sought to understand:

1. What factors will be considered in making the final siting decision for the project? How will willingness be determined?
2. What project opportunities exist and how can local participation in these opportunities be maximized?
3. How will the expansion and upgrades to infrastructure and services be planned for and financed, including housing?
4. What public safety measures will the NWMO put in place at the site, the community and area, and along the transportation corridor?
5. How will drinking water, ground water, and surface water resources be protected?
6. What are the project components and where will they be located?

Centre of Excellence

A Centre of Expertise will be built at or near the selected project site. Its initial purpose is to support the multi-year testing and assessment of the site, with a focus on safety and community well-being. The centre will become home to a technical and social research program and a technology and demonstration program involving scientists and experts from multiple disciplines. Over time, it will become a hub for knowledge-sharing across Canada and internationally.

Participants were enthusiastic during the discussion of the Centre of Expertise and quickly generated thoughts and aspiration for the facility. The key features participants wanted to see reflected in designing the Centre included:

- A location in proximity to or in Ignace.
- A facility that would be an attraction in the area.
- A multi-use facility that serves community needs.
- A facility designed to fit-in with the community and surrounding areas.

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APPENDICES

Appendix A: Detailed Approach and Methods

- Attachment 1: Mail Drops
- Attachment 2: Newsletter
- Attachment 3: Project Visioning Presentation
- Attachment 4: MURAL Cheat Sheet
- Attachment 5: Project Vision Document
- Attachment 6: Project Vision Workbook

Appendix B: Ignace Participant Input

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1.0 INTRODUCTION

1.1 BACKGROUND AND OBJECTIVES

Ignace entered the site selection process for the Adaptive Phased Management (APM) project in 2010 and since then has been learning about the project and exploring its interest. The APM project is part of Canada's plan for the long-term management of used nuclear fuel. In discussions to date, Ignace community members have said that first and foremost the project must be safe. It is also key that community members have a good understanding of the project, including project benefits and risks, and the project must contribute to the long-term well-being of the community. These three key requirements are captured in the following three principles:

1. The project must ensure Safety and Security of people and the environment.
2. The community must have a good understanding of the project and potential impacts, including risks and benefits, to support informed decision-making
3. The project must help foster well-being in areas important to the community.

Through this learning and discussion, Ignace community members began to identify priorities and objectives for the project if it were to be located in the Ignace area. This includes priorities and objectives for the project in five identified key well-being areas: people; economics and finance; infrastructure; community and culture; and, natural environment. Ignace community members have also identified some key questions which need to be addressed to support their consideration of the project, and some priorities for a Centre of Expertise which is part of the project.

A series of recent discussions were held with Ignace residents to further explore the community's expectations and aspirations for the project if it were to be located in Ignace. The discussions sought to gain perspectives on three key questions:

1. What are your key priorities and objectives for the project?
2. What are the key concerns and questions about the project that still need to be addressed?
3. What are your thoughts about design features and/or activities that might help the Centre of Expertise support community well-being within the community and area?

An initial workshop with the Ignace Community Nuclear Liaison Committee (ICNLC) was held on Monday, December 2, 2019. The Project Visioning Working Group was formed based on that format used to develop the NWMO & Community's Principles & Values (2017). The ICNLC had recommended to ensure a thorough cross section of community members, that each group, club, organization and school select a representative to attend a workshop. The ICNLC and the Project Visioning Working Group workshops provided the foundation (straw man) for creating the Project Vision Workbook.

Additional community workshops aimed to further the discussion of Ignace priorities relative to the pillars of People, Economics and Finance, Infrastructure, Community and Culture, and the

Natural Environment were planned for March 2020. The global COVID-19 pandemic resulted in delays to those community discussions. Due to the pandemic and a need to maintain social distancing at public events, the workshops were transitioned from in-person to online events, combined with additional opportunities for engagement, including a newsletter, the use of a Project Vision Workbook that community members were invited to fill out on their own time, and a drop-in session at the Ignace Learn More Centre. The newsletter distributed to each household outlined the emerging vision and invited further input and comment.

This report provides the details of “what we heard” from these processes.

1.2 APPROACH

The approach to soliciting community feedback on the project vision and priorities was adaptive and reflected global pandemic circumstances along with community considerations. Based on perspectives by NWMO staff in Ignace, a series of tools were selected to enable online discussions to occur and alternative means of providing feedback were supplied as well as for community members who preferred to either provide feedback individually or provide written input. A detailed description of the approach and methodology and the materials used is provided in Appendix A.

Ignace’s priorities and objectives relative to the project were refined and discussed in detail through:

- One in-person workshop with ICNLC members facilitated by a third-party on December 2, 2019 (nine ICNLC members in attendance, along with two facilitators, and two NWMO staff).
- An online workshop on July 28, 2020 with the Project Working Group (16 people in attendance). The Project Working Group is comprised of a cross section of municipal representatives. Working group feedback was key in refining the Ignace project vision that was presented to other Ignace residents for feedback.
- An online workshop on August 18, 2020 with youth (ages 15 to 21 years old) (6 people in attendance). Youth were invited to participate as part of the NWMO’s ongoing commitment to engage youth to increase awareness of the project and hear their input about a multi-generational project.
- Feedback received from a youth golf event on September 1, 2020.
- An online workshop on August 26, 2020 open to the public workshop that was advertised through a flyer that was mailed to each household in Ignace (9 people in attendance).
- A Project Vision Workbook that was advertised by a community-wide newsletter and flyer and made available on August 31, 2020 through:
 - The Ignace Learn More Centre and at the Mobile Learn More Exhibit, which was in Ignace during the last week of August 17-21 and September 1-4, 2020.
 - Workbooks distributed to community businesses.

- Outreach to individuals who had expressed interest in the project vision.
- A drop-in session at the Learn More Centre on September 21, 2020 (advertised by mail drop with five people in attendance).
- Municipal leadership was provided an opportunity to provide feedback through one-on-one interviews, as well workbooks were dropped off to municipal employees to complete at their discretion.
- A total of 55 Project Vision Workbooks were distributed and 12 workbooks were received.

1.3 APPROACH TO ANALYSIS

Feedback acquired through the workshops provided the raw data for the analysis (and are available in Appendix B). This, along with notes collected during the workshop by the Project team were merged relative to each of the key questions. Qualitative data analysis processes were followed to arrive at key themes. This included reviewing the compiled data in its entirety, looking for key patterns or themes in what participants said, and categorizing the results (or coding) relative to the ideas that emerged. In the process, the project team considered where there was overlap relative to the key three questions, and data was often re-sorted or moved from one question to another to reduce duplication (e.g., important questions identified in the discussion of priorities were moved to the discussion of key questions and concerns for analysis). Comments received through one on one discussions, workbooks and other engagement activities were also reviewed for their insight and integrated to develop the summary that follows.

2.0 WHAT WE HEARD

The feedback presented is a summary of “what we heard” and not a verbatim account of what information was provided in the workshops and workbooks and conversations. It is focused on the key themes that emerged through the discussion, in addition to identifying other unique perspectives and ideas that were offered. To the extent feasible, where participants offered feedback that had overlap with other priority areas, pillars, or emerging themes, the project team has tried to categorize the feedback in one place.

2.1 FEEDBACK ON PRIORITIES AND OBJECTIVES

Conversations about priorities and objectives built upon discussions between the NWMO and the community over the past decade. For each of the pillars in the community well-being framework, project priorities and series of considerations were presented for feedback. These are presented in Table 1, 2, 3, 4, and 5 and provided a foundation for the discussions in workshops and workbooks.

In providing feedback about the identified priorities and objectives, multiple participants noted how the priority areas were related. Discussion about one priority area often overlapped with the discussion of other areas. For example, while talking about community and culture, one participant noted that activities need to happen in each area for forward momentum. To minimize repetition, some participant feedback has been shifted from the pillar about which the input was originally provided to a different priority area.

2.1.1 People

Participants were asked to provide feedback on the Project priorities and objectives for “People” presented in Table 1.

Table 1: Priorities and Objectives for People

Project Priority: People	
<i>Help grow the population, retain youth, and attract new residents to the area</i>	Community considerations identified to date: <ul style="list-style-type: none"> • Grow the population to 2,500-3,000 • Develop strategies to support and retain population across all age groups • Develop strategies to attract and retain workers to live in the community

Participant feedback on the project priorities and objectives classified under “People” is summarized below.

- **Community growth:** A common sentiment during discussions was the desire to maintain the small town feel of Ignace. Participants suggested populations ranging between 2,500 to 10,000, though most participants noted they felt most comfortable with a population below 3,000. It was noted that not everyone working for the project may move to Ignace but may choose larger city centres, so a plan is required for a lower population estimates to be considered as well.
- **Retaining current residents:** Retaining current community members was seen as important, with current challenges noted in serving youth and senior citizens. Opportunities for training and education were mentioned as important to retaining youth in Ignace. Participants noted that without employment opportunities in the community, it is difficult to retain residents, and young people who leave to pursue further education need something to draw them back to the community. A lack of long-term care facilities was noted in relation to seniors, and participants reflected on the fact that once senior citizens leave the community to access better care, there is a loss associated with the families who would regularly come to visit and contribute to the local economy.
- **Employment opportunities:** Participants expressed that Ignace residents should benefit the most from employment opportunities, with prioritization for local hiring and training before looking elsewhere to hire workers. Training programs should be developed to reflect the necessary skill sets required over the lifespan of the project. Partnerships with colleges (e.g., Confederation College in Thunder Bay) were suggested as opportunities to explore.
- **Improved services:** Participants noted the desire for improved and expanded services as a key component for attracting and retaining residents. Additional details about services are described in Section 2.1.3.

2.1.2 Economics and Finance

Participants were asked to provide feedback on the Project priorities and objectives for "Economics and Finance" presented in Table 2.

Table 2: Priorities and Objectives for Economics and Finance

Project Priority: Economics and Finance	
<p><i>Help support local businesses and diversify the economy</i></p>	<p>Community considerations identified to date:</p> <ul style="list-style-type: none"> • Increase business activity and employment opportunities through the project in the community • Enhance strategies to sustain and support local businesses • Grow tax base through managed population growth to fund community services and facilities • Enhance local training programs to maximize participation in project opportunities • Increase household income through project employment, contracting, and associated opportunities • Develop strategies to enhance participation in project opportunities to diminish the need for social assistance • Support the growth of tourism through community enhancements

Participant feedback on the project priorities and objectives classified under "Economics and Finance" is summarized below.

- **Local businesses and services:** Retaining local businesses was considered important as they represent northern culture, offer an alternative to shopping at large chain stores, and provide youth employment. Retention of local businesses and services could be supported through investment and programs aimed at nurturing entrepreneurship to assist with the development in a small community. Participants hoped to work with the NWMO on economic development initiatives as it can be challenging to secure financing from banks. Participants noted the businesses along the main corridor as a priority for contracting for the project. The variety and quality of local businesses are considered important for attracting and retaining residents. There is a need for things such as a 24-hour gas station and convenience store, restaurant, and pet-friendly accommodations.
- **Financial sustainability:** Participants considered longer-term financial sustainability important for the Township and it was heard that Ignace should not have to go into deficit to host the project and the potential population changes it may induce. Participants were concerned about the costs of developing and maintaining any new infrastructure.
- **Training and skill development:** New opportunities for skills development for residents would benefit the community and be necessary to retain youth. Without these opportunities, youth are said to leave the community for secondary education with the possibility of not returning. Crossroads Employment Services provides employment and training services (e.g.,

creating resumes), though it is felt these services are not well known and could be better advertised, especially to youth. Developing a larger facility for these services was suggested as it is felt many residents lack these skills.

- Economic benefits:** It was noted that the project could help increase household income through employment and be a means to decrease reliance on social assistance. Hosting the project would bring opportunities to many people in the community. If the project is sited near Ignace, participants would like to see maximum economic benefit to the community throughout all stages of the project. Participants noted that expanding on the current relationship of NWMO and the Township to include an economic development team would be helpful.
- Tourism:** There was interest in learning more about how the project could affect tourism. There were suggestions to promote Ignace as a healthy community with its many trails, along with opportunities to develop pedestrian and cycling networks. Implementing an interactive tourist information site with points of interest in and around the community was suggested as many people are unaware of what Ignace has to offer.

2.1.3 Infrastructure

Participants were asked to provide feedback on the Project priority and objectives for “Infrastructure” presented in Table 3.

Table 3: Priorities and Objectives for Infrastructure

Project Priority: Infrastructure	
<p><i>Help maintain and improve existing infrastructure, including services, to meet the needs of residents</i></p>	<p>Community considerations identified to date:</p> <ul style="list-style-type: none"> Coordinated and integrated infrastructure and services planning to support the population Expand real estate development, including upgrading existing housing stock to support managed population growth Improve transportation infrastructure and services Improve aesthetics along the highway corridor to enhance the attractiveness of the community Grow opportunities for recreation through improved facilities and programming

Participant feedback on the project priorities and objectives classified under “Infrastructure” is summarized below.

- Infrastructure:** Participants noted the need for upgrades and improvements to existing facilities. Consideration should be given to improving existing facilities to meet the needs of the community (e.g., ambulance hall) before developing new facilities; however, in light of

potential population growth some new facilities may be required. In some instances, this may require partnerships between the service provider, the Township, and the NWMO, with the police station being cited as a specific example. If new infrastructure was innovative and iconic, participants felt the buildings themselves could help attract tourists. For new development, it was suggested to consider including service lines and fencing around commercial properties. Costs for both improving existing infrastructure and new development was considered to be the most cost-intensive in comparison to other priorities and objectives. The maintenance costs associated with expanding the infrastructure requires long-term commitment from the project. Communication infrastructure (internet and cellphone services) were noted as requiring improvements (including affordability). Improving the communication infrastructure could allow for Ignace residents to work remotely.

- **Housing:** Participants noted that the community cannot have new housing without employment opportunities. There is a shortage of affordable residential real estate and rental properties. A variety of new residential development that is affordable and high quality would be beneficial to the community and would be in high demand. Housing opportunities for seniors is something the community required.
- **Transportation infrastructure:** Improving the existing road and transportation infrastructure was identified as a priority. Participants suggested improvements to sidewalks, curbs, potholes, and alongside the highway in particular, noting that the aesthetics of the highway corridor could be improved. If the population of Ignace increases, public transportation may be required. A participant noted that the lack of a twinned highway in the area leads to frustrated and aggressive drivers, which heightened concerns about the transport of nuclear waste through the region.
- **Aesthetics:** Participants commented that they would like to see the aesthetics of the town improved. They noted improvements to the main corridor are key, such as improving the appearance of buildings and commercial areas, as it was considered important in attracting people to stop in the community. Enhancing public spaces with local materials and maintaining a small community footprint so it is walkable was deemed important. Suggestion to plant more flowers or developing other simple attractions were easy steps towards this objective. The trailer park was noted as requiring upgrades and improvements to enhance its appearance as well.
- **Recreation:** The need for recreation infrastructure and programming was a common theme. Improvements to existing facilities or the development of new facilities were discussed, particularly in the face of potential population growth. Examples that were cited included enhancements to the fitness facility, tennis courts, curling rink, and other aging recreational facilities. Participants flagged a youth centre as being important to the community. An indoor swimming pool was identified as a new facility that would provide opportunities across all age groups. Consideration should be given to meeting the needs and interests of different parts of the population. Participants noted that most recreation programming relies heavily on volunteers, and that a transition to staffed positions would support the sustainability of recreation programs in the longer term.

- **Outdoor Recreation:** While participants discussed opportunities and facilities for recreation in town, participants also noted the importance of outdoor recreation for Ignace residents. Residents should continue to have access to the outdoors, including things such as boat launches that may be located outside the immediate community. The role of forestry in community life was noted but participants noted that forested areas should also be protected for recreational uses. Participants were interested in how the NWMO could support outdoor recreation through programming or purchasing land.
- **Social services:** Consideration needs to be given to a potential growth in population, paired with potential challenges associated with new income. It was suggested that other municipalities in proximity to major projects be studied to understand potential ways to address potential social issues that may arise with project activities.

2.1.4 Community and Culture

Participants were asked to provide feedback on the Project priorities and objectives for “Community and Culture” presented in Table 4.

Table 4: Priorities and Objectives for Community and Culture

Project Priority: Community and Culture	
<i>Help Ignace protect our small-town culture while enhancing social and recreation programming.</i>	Community considerations identified to date: <ul style="list-style-type: none"> • Celebrate our heritage and small-town nature • Support Ignace community members through enhancements to recreation and social programming

Participant feedback on the project priorities and objectives classified under “Community and Culture” is summarized below.

- **Small-town nature:** Participants confirmed the importance of maintaining the small-town nature of Ignace. They felt this was something that should be embraced and celebrated. For some participants, maintaining a small population was linked to the resilience of the community in the long run. It was important the community be able to accommodate some growth and diversification.
- **Community culture and heritage:** Participants discussed what culture and heritage meant to them. A big component of community culture was the people themselves and their collective experience. Some participants noted that as the community loses its senior population, some of the history and stories are lost. Factors that influenced the community’s heritage and culture included people’s connection to the surrounding boreal forest and natural landscapes, the history of the north, and the role of forestry and mining in the

community. Some of that heritage is celebrated in places such as the museum, the library, and the cemetery. Being more proactive in highlighting these features (e.g., through signage or an interactive learning centre) was considered a means of both attracting new residents and tourists alike. One participant noted that establishing spirit houses in the community would be a means of promoting local culture.

- **Recreation:** Participants said they would like Ignace’s current recreational facilities to be updated to more modern standards. Participants talked about providing opportunities across different age groups, however many noted the importance of enhanced recreation facilities and service for youth in particular. More detail on recreation is provided in Section 2.1.3 for recreation facilities and programming and outdoor recreation.

2.1.5 Natural Environment

Participants were asked to provide feedback on the Project priorities and objectives for “Natural Environment” presented in Table 5.

Table 5: Priorities and Objectives for Natural Environment

Project Priority: Natural Environment	
<p><i>Help sustain and enhance stewardship of the environment as well as economic opportunities associated with these natural resources.</i></p>	<p>Community considerations identified to date:</p> <ul style="list-style-type: none"> • Maintain and protect overall environmental integrity of the area • Support the conservation of reserves and parks for current and future users

Participant feedback on the project priorities and objectives classified under “Natural Environment” is summarized below.

- **Importance of natural areas:** Participants expressed the importance of protecting the natural environment in and around Ignace. They thought that the natural environment should be celebrated and promoted. Based on the priorities identified, people felt that the considerations needed to be expanded to reflect the community’s close relationship with the outdoors. The lakes and trails around the community were considered important, as were the activities those areas sustain such as fishing, hunting, snowmobiling, use of all-terrain vehicles and berry picking. These areas were also important habitat for wildlife. Participants noted that natural areas were important for teaching people about conservation.

- **“Urban” environment:** Some participants noted that the natural environment was not limited to areas surrounding Ignace and should reflect areas within the community itself. Participants noted a need to consider how the environment within Ignace could be preserved and enhanced, be it through community beautification initiatives, consideration of preserving natural areas when expanding housing or commercial areas, or other measures related to littering (e.g., inclusion of garbage and recycling in future community development initiatives).
- **Resource dependent livelihoods:** Participants spoke about the natural environment’s importance to local livelihoods, with logging, trapping and tourism all dependent on the integrity of surrounding areas. Tourism was seen as a particularly important activity as it offered opportunities to use the natural environment sustainably while supporting economic activity. Sustainability in connection with the natural environment came up multiple times because residents understand how natural resources support the livelihoods of many Ignace residents. Tourism and outdoor recreation are discussed in more detail in Section 2.1.2 and Section 2.1.3.
- **Communication:** Some participants understood the importance of communication relative to potential impacts of the project to the environment. Providing information about the rigorous monitoring and testing that would accompany the facility was seen as a potential tool to increase public support and understanding of the project. This was considered an important tool relative to potential opposition to the project.

2.2 KEY QUESTIONS

In 2019, a survey was distributed in Ignace to explore what information people would like to receive about the project and how they would like to receive that information. Through this survey and other conversations, community members have raised some key questions and concerns they would like to see addressed about the project. An initial list of questions was developed and presented to the Project Visioning Working Group, which was then refined to the following questions, which were presented in the remaining workshops and the workbooks for feedback:

- How will the project affect the size of the community?
- How many and what type of jobs and training will be created through the project in the community and area?
- How will youth be retained and attracted to the community?
- How will the project affect tourism?
- How will willingness be determined?
- How will drinking water/ground and surface water resources be protected?
- What are the project components and where will they be located?

- How will the availability and affordability of housing be ensured?
- How will improvements to infrastructure and services be planned and financed to accommodate population growth?
- How will other communities (Indigenous and municipal) in the area be involved?
- How will others along the transportation corridor be considered?
- How will opposition to the project affect the siting decision?
- What are the emergency response plans for the project?

When asked to react to the questions and provide additional queries that they considered missing from the list, most participants did not expand the thinking to new topic areas. Instead, they used the questions presented as a springboard to ask for more detail or clarification. The input provided by participants through the workshops and workbooks has been summarized below.

Attracting new residents to Ignace: Within the context of population growth, participants were interested in both understanding how the population might change, and about the mechanics and strategies of attracting individuals to move to Ignace and become long-term members of the community. Participants noted that project opportunities would be a draw to the community but were also curious about other potential strategies to support growth. A sample of the types of questions asked relative to population included:

- How do you make it so that people commit to moving to Ignace, invest in the community, and enrol their children in local schools?
- How do you create a culture that will attract people to the community?
- What services and amenities need to be offered to attract new residents?
- How can we remove the stigma around nuclear waste storage to attract people?

Willingness: Participants provided more detailed questions about how support for the project will be measured, including who will have a voice in the final decision. As part of defining the process for expressing willingness, community members wanted a better understanding of the role of neighbouring communities, other communities along the transportation corridor, and with the role of project opposition in the siting process. As part of thinking about willingness, participants wanted to understand the relationship between the NWMO and Ignace going forward. A sample of the questions that were raised relative to willingness included:

- How will willingness be determined?
- Who gets a vote?
- How will other communities (Indigenous and municipal) in the area be involved?
- How will others along the transportation corridor be considered?

- How will opposition affect the siting decision?
- What will the partnership look like with the NWMO if the project is sited here?
- What will the relationship with the NWMO look like if the project is not sited here?

Project employment: Participants asked many additional questions about the nature of project employment, as well as other associated opportunities though indirect or induced opportunities. Participants were curious about the size of the workforce at each stage of the project, the proportion of the workforce that would be direct employees of the NWMO compared to contractor employees, and what spinoffs could occur in the community. Linkages between employment and training were often brought into the discussion. A sample of the types of questions raised relative to project employment included:

- Who will people be working for? Will they work directly for the NWMO, or will there be rotating contractors coming through the area?
- Will it be permanent employment?
- Will there be a unionized component?
- How many contractors are likely to be required on site?
- How many people will be required at different stages of the project?
- What types of training will people require to access the opportunities, and when will they need to have that training completed to qualify?

Accommodating the workforce: Participants asked questions about how the project workforce would be accommodated at various stages of the project. The discussion highlighted the potential implications to the community should different models of housing be considered, for example how benefits would flow to the community if a work camp was favoured over providing housing in the town. A sample of questions regarding the accommodation of the workforce included:

- What is the plan for housing the workforce?
- Will it be a fly-in/fly-out operation?
- Will there be a work camp on site?
- If workers are housed on site, how will benefits flow to the community?
- Given current housing shortages, how will residential areas need to be expanded?

Infrastructure and services expansion: Participants requested additional detail around improving and expanding infrastructure and services. This raised questions about who would be responsible for financing both from a capital and an operational perspective. There was also interest in understanding what additional infrastructure and/or services would be required to accommodate growth in population. Participants also raised questions as to whether services

would need to be developed relative to other project outcomes, such as those associated with new income. A sample of the questions raised in relationship to infrastructure and services included:

- Who will foot the bill for all the investments required to expand infrastructure?
- Who will be responsible for paying for operation and maintenance of new infrastructure?
- What sorts of models or partnerships could be considered in expanding or building new infrastructure (e.g., a new police station if required to support population growth)?
- What types of services will require expansion?
- What will happen to infrastructure and housing when the workforce decreases in size or is no longer needed?

Reconciling the project with the natural environment: Comments and questions from participants reinforced their love for the outdoors and natural environment. Participants wanted to understand how the natural environment would be protected with the presence of the project. This included queries regarding how population growth and associated residential/commercial expansion could impact surrounding areas, or how the presence of the project (and associated perceptions about nuclear facilities) could affect tourism, which relies heavily on outdoor activities. Residents also want to understand how the landscape would look after decommissioning and reclamation. A sample of questions relative to the natural environment included:

- Will tourists be deterred from visiting the area if they hear about “nuclear waste” in the area?
- How will the surrounding natural areas (“bush”) be impacted by new housing?
- How will access to outdoor areas be affected?
- How will the site change over the course of its operation and after the project is complete? Will it be returned to the original state?

Communication and education: Participants wanted more clarity on how the NWMO will continue to communicate and educate the community about the project and its potential impacts. Participants noted that this would be of importance particularly in addressing uncertainty and opposition about the project from both within and outside of the community. A sample of questions that were raised relative to communication and education included:

- How do you overcome the belief some people have that you can’t have environmental integrity with the project?
- How will the NWMO respond to questions about uncertainties about the project?
- How can we communicate about project opportunities to help retain youth in the area?

Project safety: Participants wanted to understand how the NWMO will ensure the safe operation of the site, in addition to understanding safety as it relates to the transportation corridor, and even in terms of national security. A sample of questions regarding safety included:

- What emergency plans will be put in place if there is a nuclear spill?
- How would an accident or malfunction affect people and the environment?
- How will materials be transported safely as there are already accidents on our highway now?
- What would prevent another country from bombing the facility?

2.3 FEEDBACK ON THE CENTRE OF EXPERTISE

A Centre of Expertise will be established at or near the selected project site. Its initial purpose is to support the multi-year testing and assessment of the site, with a focus on safety and community well-being. The centre will become home to a technical and social research program and a technology and demonstration program involving scientists and experts from multiple disciplines. An engineering test facility will develop materials and equipment to be used in the repository. The centre will also house demonstration equipment that displays the entire packaging and container placement process. In later phases of the project, it will become a hub for knowledge-sharing across Canada and internationally.

The design and use of the centre will be developed collaboratively with those living in the area. Participants were asked to brainstorm and share their ideas for the centre, while reflecting on the pillars in the community well-being framework.

Location: Participants expressed interest in having the centre close to or directly in the Township, as opposed to close to or on site. Proximity would help maximize benefits to the area, as well as attract visitors. To that end, some participants felt a location along the highway corridor would attract visitors, with some noting that there are many commercial vehicles that pass through the area.

Attraction: Participants believed the centre should function as an attraction for tourists and residents. Several people anticipated that the centre would be like a university and serve to attract researchers and experts. It was hoped that the centre would be an innovative space that supported experiential learning, along with offering basic attractions such as a restaurant, gift shop, and welcoming outdoor spaces. To support the centre as an attraction, participants want the design to be people-centric and inviting and have features that appealed to youth. In designing the centre, several participants noted LEED certification as a feature to consider.

Multi-use facility: Participants expressed many ideas about the centre acting as a multi-purpose facility to support the community's needs and interests and noted that there should be flexibility so the centre can evolve and adapt to the Township's needs. "Something for everyone" was noted as a desired characteristic and was reflected in the many ideas shared. The two most commonly expressed areas for inclusion were education/training/employment and community arts and culture.

Many participants felt that the centre should include an education and training component and noted opportunities associated with the centre acting as a research facility. To be successful, partnerships with education and training providers would likely be required. In developing partnerships, participants noted that current employment and training programs in the community were underutilized. The project and the centre provide an opportunity to enhance the delivery of such programming through a new facility. The centre could also support the establishment of partnerships with regional post-secondary institutions.

Participants also supported the idea that the centre celebrate local arts and culture. This could be accomplished through the inclusion of facilities that support social and cultural activities, such as an auditorium or other performance space, as well as offering space for community functions, events, and other programming (e.g., art lessons and cooking classes). Participants also noted an opportunity to include local artwork in centre décor, along with promoting local artists in facilities like a gift shop.

Other possibilities for using the space in the facility include providing professional spaces and daycare for those employed at the site identified as ideas to include. Opportunities to build-in healthy living options were also noted, such as the creation of walking paths outside of the facility or recreational spaces such as an indoor pool, fitness centre, outdoor rink, and driving range. Other outdoor suggestions included providing outdoor play areas for all ages and abilities, sled racing facilities that reflect the community's love of outdoor activities and a dog park. Youth facilities were also noted.

Aesthetics: Participants provided feedback on the "look" and "feel" of the centre. There was general agreement that the centre should be designed to fit in with Ignace and not look like a facility that belonged in a large city. Ideas shared included using local materials in the design and build of the centre and taking an approach that blends with the natural environment.

One of the hopes for designing a centre that fits in with Ignace is creating a welcoming environment at the centre. An approachable centre would facilitate community use and fit in with the Township. A welcoming centre would also reflect the cultures of neighbouring Indigenous communities and the centre's location in Treaty 3 territory. Participants for example, suggested incorporating pow wow grounds into the centre.

3.0 OBSERVATIONS AND CONCLUSIONS

3.1 OBSERVATIONS

While this report is intended to reflect "what we heard" from participation, some observations of the authors of this report are provided. The overall approach to the assignment was interactive and adaptive in nature, and reflected the challenges and opportunities of gathering community feedback during a global pandemic.

When the process was initially envisioned, it was intended to include a series of in-person events with a combination of targeted workshops with a cross-section of the community, combined with public events where all residents were welcome to participate. As the country entered a period of lockdown to slow the spread of COVID-19, discussions were put on hold, and later evolved to an online process to reflect the need for social distancing. The online workshop process similarly planned for a combination of targeted workshops with a cross-section of the community, combined with workshops open to the general public.

In order to encourage engagement, the NWMO extended the timeframe for receiving feedback and actively encouraged people to provide their ideas. On August 31, 2020, NWMO distributed a community newsletter to each household providing an overview of the emerging vision and key questions with an invitation to comment and join the conversation. The Project Vision Workbook was widely distributed to potentially interested individuals and businesses in the community, and NWMO hosted a drop-in session at the Ignace Learn More Centre, advertised by a mail drop to every household, for residents to pick up a workbook and discuss with staff on September 21, 2020. This resulted in an additional set of data to consider in addition to the outcomes of the online workshops conducted.

Feedback from participants was collected in various forms, including online workshop MURAL boards, notes taken during online workshops, Project Vision Workbooks, and facilitated discussions by NWMO and its contractors about the Project Vision Workbooks. In reviewing the feedback received, some overall observations are provided relative to the results:

- Some of the ideas shared were based on overall desires for their community, as opposed to being explicitly linked to the project and its activities.
- Participants generally wanted more detail and definition to the priorities that were identified.
- Of all the workshops, the youth workshop participants spoke most passionately about the natural environment and the community's ties to it.
- In one workshop, Ontario Provincial Police officers participated in the discussion and provided valuable feedback from the lens of public safety.

3.2 CONCLUSIONS

The summary and conclusions relative to the key questions examined in the Ignace Project Visioning process are provided.

3.2.1 Priorities and Objectives

Participants were cognisant of the duration of the project, and often wanted to understand the time horizon for implementing the priorities, in addition to receiving answers to their key questions.

For the pillars of People, Economics and Finance, and Infrastructure participants tended to provide additional nuance on the points already presented or reflected the desire of participants to have tangible examples of how the considerations could be progressed. The discussion often included consideration of the roles and responsibilities of the parties involved, with recognition that not everything could be accomplished without broader support and inputs. For example, during discussions of infrastructure, participants typically agreed that they would like the aesthetic appeal of the highway corridor improved but noted that the lots along the corridor were privately owned and that the Township did not currently have a bylaw enforcement officer, which would make achieving that priority challenging. Defining the roles and responsibilities relative to achieving the priorities will be important as the project progresses and will likely need to evolve over the life cycle of the project.

Community and Culture was important to residents, but conceptually not as tangible as other areas. As such, associated objectives were interpreted from multiple lenses. Participants liked the idea of heritage and the small-town nature of Ignace, with the discussion adding detail to the factors they felt contributed to this. This included acknowledgement of the region's history, the location on Treaty 3 territory, and the close relationship that residents had to the natural environment surrounding the area. Although participants agreed that the priority to enhance social and recreational programming was important, this did not always reflect their interpretation of what community culture entailed. With respect to Natural environment, participants wanted objectives in this area to reflect the people, businesses, and the wildlife that relies on the habitat as well as consideration of the urban environment.

3.2.2 Key Questions and Concerns

Discussions during the workshop and workbook feedback focused primarily on fleshing out the details of previously identified questions. Further to this, analysis of the priorities found that depending on how something is phrased, a key question could also equally be a priority. Examples of this include:

- "How will youth be retained and attracted to the community?" as a key question is reflected in the priorities of "Help grow the population, retain youth and attract new residents to the area" and "Develop strategies to support and retain populations across all age groups."
- "How will the project affect the size of the community?" as a key question is answered in with the priority of "Grow the population to 2,500-3,000."

As such, the key questions can be simplified to the key topics that people want to understand better, and the various sub-questions that would support a fulsome answer to address community concerns and interest as follows.

1. What factors will be considered in making the final siting decision for the project? How will willingness be determined?
2. What project opportunities exist and how can local participation in these opportunities be maximized?
3. How will the expansion and upgrades to infrastructure and services be planned for and financed, including housing?
4. What public safety measures will the NWMO put in place both at site and along the transportation corridor?
5. How will drinking water, ground water, and surface water resources be protected?
6. What are the project components and where will they be located?

Siting decision: In answering what factors will be considered in the final siting decision, the following queries need to be considered and expanded upon:

- How will willingness be determined?
- How will neighbouring communities (Indigenous and municipal) in the area be involved?
- How will other communities along the transportation corridor be considered?
- What role will opposition play in the siting decision?

Project opportunities: In describing the opportunities associated with the Project, consideration should be given to clarifying:

- What jobs will be directly created by the Project and when?
- What other jobs will be indirectly created by the Project, for example through contractors used on site?
- What training do local people require to successfully participate in employment opportunities?
- What mechanisms can be put in place to maximize participation of local businesses in contracting opportunities?

Infrastructure and services: In describing how community infrastructure and services will evolve over the lifespan of the project, the following queries need to be considered:

- How will the size of the population change over the course of the project?
- What mechanisms will be used to attract and retain a workforce locally?
- What infrastructure needs to be upgraded or expanded, and/or what new infrastructure may be required to attract and retain the population?

- How will the upgrades and expansion of new infrastructure be planned and financed?
- How will housing of the workforce be approached at different stages of the project, and how does that relate to residential development in the community?
- How do services need to be expanded to meet the needs of the community and project activities?

Public safety: In describing what measures will be put in place to ensure public safety, the following queries will need to be addressed:

- What measures will be put in place on site to ensure the safety of the community?
- What measures will be put in place along the transportation corridor to ensure public safety?
- How will the natural environment be protected for current and future users?

3.2.3 Centre of Expertise

Participants were enthusiastic during the discussion of the Centre of Expertise and quickly generated their thoughts and aspiration for the facility. The key features participants wanted to see reflected in designing the Centre included:

- A location in proximity to or in Ignace.
- A facility that would be an attraction in the area.
- A multi-use facility that serves community needs.
- A facility designed to fit-in with the community and surrounding areas.

Appendix A: Detailed Approach and Methods

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- Attachment 3: Project Visioning Presentation
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APPROACH AND METHODOLOGY

This appendix describes the approach for soliciting input, including how workshops and Community Vision Workbooks were advertised; workshop methods and materials; and the process for refining the project vision included in the main report.

1.0 METHODS

1.1 WORKSHOPS

1.1.1 In-person Workshops

On December 2, 2019, the NWMO hosted an initial project visioning workshop comprised of Ignace Community Nuclear Liaison Committee (ICNLC) members before extending the visioning workshop to the wider Ignace community. The session was broken up into four sections. First, there was a presentation that provided background on the project and then there were three discussion exercises: the key priorities and objectives of the project, the major questions and concerns about the project, and the vision for the Centre of Expertise. Participants were divided into two groups. For the first two discussion exercises, participants in groups examined their priorities and concerns in six categories: people, infrastructure, natural environment, economics and finance, and community and culture. Participants were asked to write comments down on sticky notes and post them on the wall. Using the five questions in the workbook, the final discussion segment, vision for the Centre of Expertise, was discussed as a whole group.

The ICNLC workshop provided an initial basis for creating the Project Vision Workbook

1.1.2 Online Workshops

Three online workshops were facilitated in July and August 2020:

- On July 28, 2020 with the Ignace Project Visioning Working Group. The Ignace Project Visioning Working Group is comprised of a cross section of community representatives. Project Visioning Working Group feedback was key in refining the Ignace project vision that was presented to other Ignace residents for feedback.
- On August 18, 2020 one youth workshop with youth ages 15 to 21 years old. Youth were invited to participate as part of the NWMO's ongoing commitment to engage youth to increase awareness of the project and hear their input about a multi-generational project.
- On August 26, 2020, one public workshop that was advertised through a flyer. The open workshop included three Ontario Provincial Police officers after a session for police, fire and emergency responders was combined to optimize numbers for a group session.

Advertising and Outreach

The online workshops were by invitation or advertised to community members by a community wide mail drop. The youth and Project Visioning Working Group workshops were by invitation. The open workshops were advertised in a flyer that was distributed via a mail drop (Attachment 1).

After the workshop with the Project Visioning Working Group and refinements to the Project Vision, the NWMO drafted a newsletter, which was distributed by mail drop (Attachment 2). The community newsletter described the community feedback to-date, summarized the emerging project vision, and explained how residents could provide their input.

Technology

In discussion with local NWMO staff, two online platforms were adopted to engage with community members:

1. Zoom – an online video conferencing system
2. MURAL – a digital workspace for visual collaboration

Zoom was chosen for the online workshops as it had gained public familiarity during the COVID-19 pandemic and provides several capabilities that were used during the workshops. The web-based service has audio and visual capabilities to allow for presentations and discussions. As the service is web-based, community members were able to participate in workshops using a variety of devices such as a laptop, smartphone, or tablet. Participants have options for audio including speakers on the device or Zoom’s call-in number for the workshop. If their device has a functioning camera and sufficient internet bandwidth, participants have the option to display their face during workshops.

MURAL was selected to be used in conjunction with Zoom as a tool to record and facilitate discussion. MURAL is a web-based platform which acts as an online workspace for group collaboration. It is a visual digital workspace that allows participants to contribute directly to a pre-established workspace. Content in MURAL is immediately generated and saved so participants can see their contributions. The project team facilitator led participants through a series of questions, using MURAL to capture their feedback and questions, or in some instances allowing participants to contribute directly to the MURAL board.

Participants were given the option to join the Zoom meeting prior to the start of the workshop for a 30-minute tutorial on using Zoom and MURAL. The tutorial on MURAL was led by a project team member and participants were able to ask questions and test out the platform themselves. During the workshop, a link to the MURAL board to be used for the workshop was distributed to participants using the Zoom chat function, and the facilitator provided guidance on how to access the board. A moderator provided technology assistance to participants throughout the workshop. Participants who were unable to access MURAL, or were uncomfortable with using it, were able to view the board via the Facilitator’s shared screen. Participants had several options on how they would like to share perspectives including directly manipulating the MURAL board, verbally through the Zoom meeting, or through the chat function on Zoom.

Workshop Format

The online workshops included roundtable introductions, a presentation, and discussion about three key questions:

1. What are your key priorities and objectives for the project?
2. What are the key concerns and questions about the project that still need to be addressed?
3. What are your thoughts about design features and/or activities that might help the Centre of Expertise support community well-being within the community and area?

Presentation

The Ignace Community Nuclear Liaison Committee and online workshops used a PowerPoint presentation on the project led by NWMO (Attachment 3). The presentation provided:

- Background information on the NWMO, adaptive phased management, the planned deep geological repository, the Centre of Expertise, and key project milestones;
- A summary of the Roadmap to Partnership that Ignace and the NWMO have been travelling down;
- Highlights of Ignace's involvement in the siting process since 2012, including the Township's values and principles, goals, and community vision;
- Description of the project visioning process; and
- Three key questions that would be discussed in the workshops.

In advance of each workshop a cheat sheet on using MURAL (Attachment 4) and a draft Project Visioning document (Attachment 5) was circulated to every participant.

Process

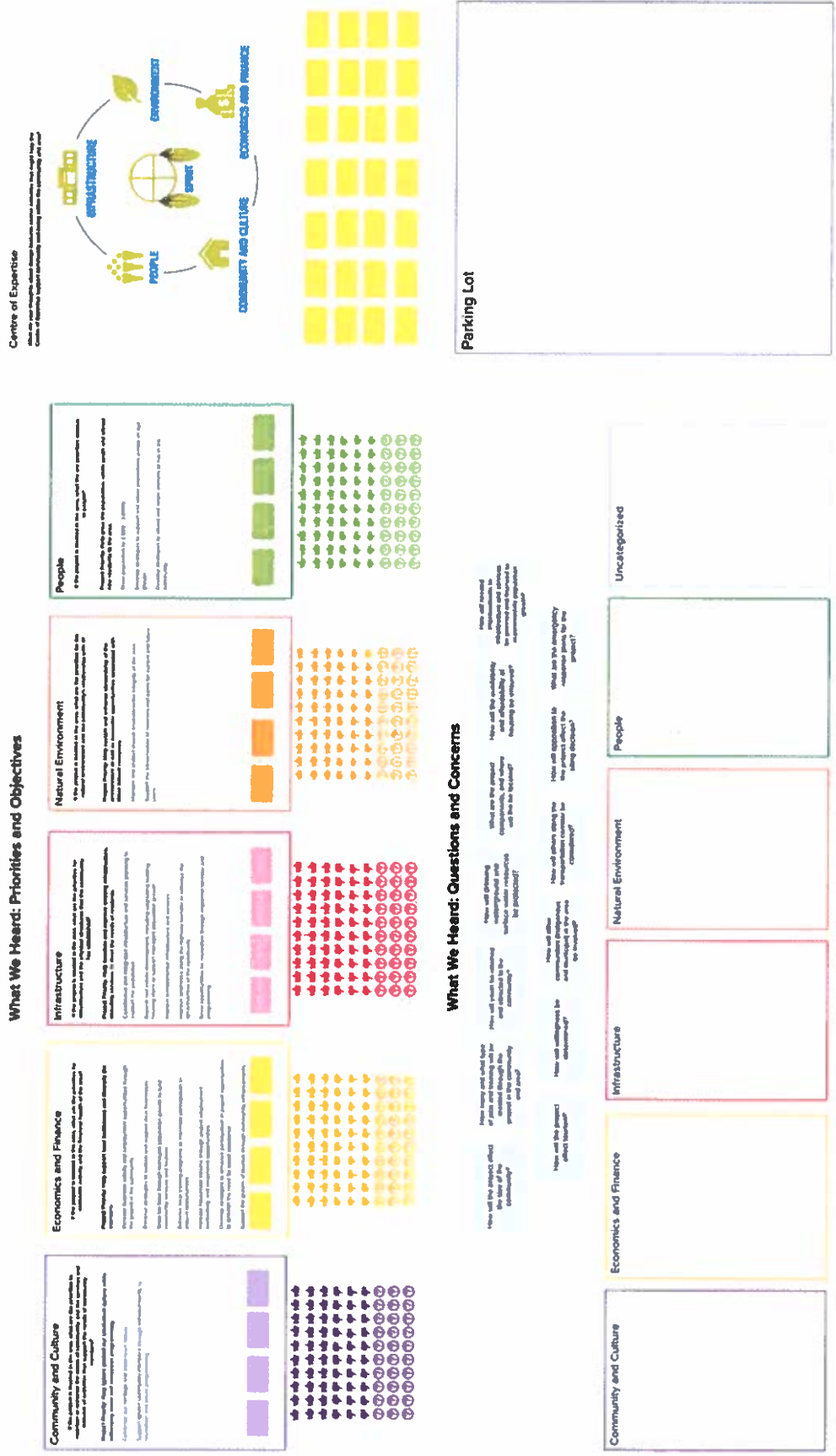
Workshops were initiated with a roundtable introduction by the project team followed by a PowerPoint presentation on the project led by NWMO. After the presentation, participants had an opportunity to ask questions prior to beginning the discussion. Where numbers warranted it, the breakout room function in Zoom was used to split the larger group of participants into smaller groups to allow for increased dialogue. The facilitator provided the link to the MURAL board (Figure A-1) through the Zoom chat function, which also provided an avenue for participants to share perspectives non-verbally or ask questions at any point during the workshop without interruption.

Once participants had successfully joined the MURAL board, the facilitator provided a brief overview of the setup (Figure A-1). The MURAL Board was designed to focus on the three key questions, which the facilitator took the group through. Several tools were used within MURAL to elicit feedback and perspectives on the project. Sticky notes (blank coloured squares/rectangles) were used to capture participant feedback initially by a notetaker from the project team. As the workshop progressed participants were asked to contribute directly to the MURAL board themselves.

Icons were chosen as an easy way to both gauge reactions to the priorities and objectives, as well as engage all participants during the workshop. After reviewing the series of priorities identified, participants were asked to select a thumbs up, thumbs down or question mark icon for each priority and objective. A thumbs up indicated that the list of priorities seemed appropriate, a thumbs down meant something was not clear or reflective of community priorities, and a question mark indicated uncertainty or clarification was required on select priorities or the category. Following their icon selection, a roundtable was conducted to ask more about their icon selection and for any clarifications or additional ideas.

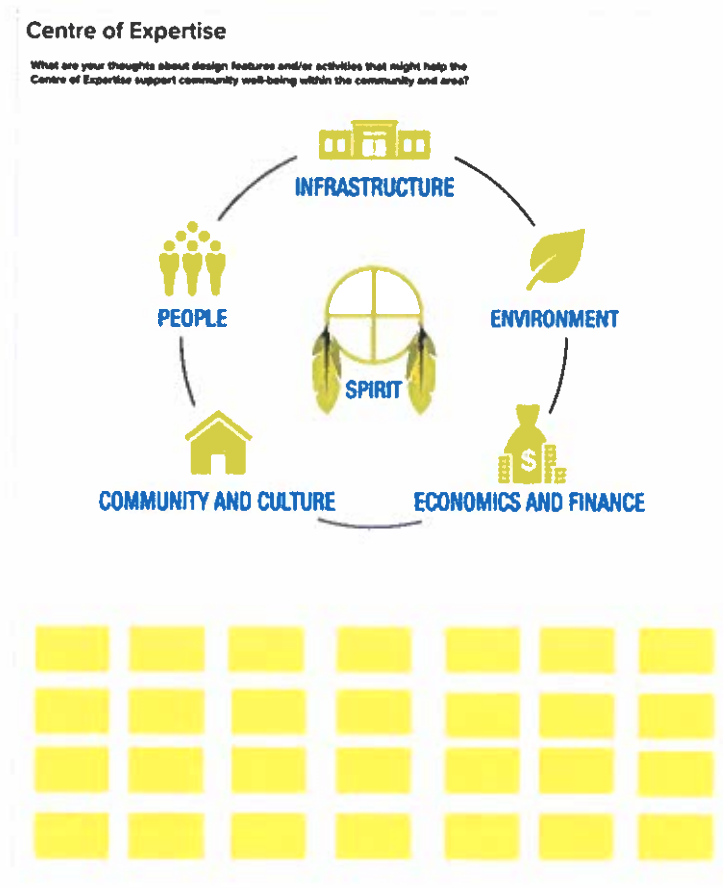
The workshop plan included time to discuss key questions and concerns that would provide participants with the opportunity to add key questions they thought were missing. During the initial workshop with the Project Visioning Working Group, a voting session was held to allow participants to use their three votes on which Questions and Concerns were most important to them. Due to time constraints and a shift to using icons in the latter workshops, voting was not utilized as key questions arose in the discussion of priorities.

Figure A-1: MURAL Board



When discussing the final question of the workshop, the Centre of Expertise, participants were asked to write their perspectives on the blank sticky notes provided relative to the pillars on the Community Well-Being Framework, which was embedded as part of the MURAL board (Figure A-2).

Figure A-2: Centre of Expertise



A "Parking Lot" was also included in the MURAL board if questions or comments fell outside of the scope of the workshops. This section of the board was not utilized in any of the workshops.

Participation

A total of 31 people attended the workshops in Ignace and virtually. Table A-1 provides the number of participants at each workshop.

Table A-1: Workshop Attendance

Workshop	Number of Participants
Project Visioning Working Group	16
Youth Workshop	6
Public Workshop	9

1.2 PROJECT VISION WORKBOOKS

Project Vision Workbooks (Attachment 6) provided an additional method of obtaining feedback from Ignace residents on the project.

1.2.1 Advertising and Outreach

The opportunity to provide feedback by completing a Project Vision Workbook was promoted through:

- Community-wide distribution via mail drop of a newsletter completed on August 31, 2020. The community newsletter described the process to-date, summarized the emerging project vision, and explained how residents could provide their input.
- A flyer advertising a drop-in session on September 21, 2020 at the Learn More Centre, which was also distributed via a community-wide mail drop.

In addition to the mail drops, NWMO staff distributed workbooks to community businesses and individuals who had expressed interest in the project vision process, mentioned the availability of workbooks during tours of the Mobile Learn More Centre, which was in Ignace the final week of August, and invited municipal leadership to participate in one-on-one interviews with InterGroup staff.

1.2.2 Format

The workbooks covered the same three key questions that were explored during the online workshops separated into three sections:

1. Community priorities and objectives for the project
2. Concerns and questions about the project we need addressed
3. Vision for the Centre of Expertise

The section on community priorities and objectives presented the refined project priorities and considerations organized by the five pillars of the community well-being framework. For each topic area, residents were asked for their views. At the end of the priorities and objectives section, residents were asked if there were missing priorities and if some priorities were more important than others and why.

For questions and concerns, residents were given the same list of 13 questions that were used in the youth and open workshops. They were asked for their views. For the Centre of Expertise, the workbook included a list of priorities for the centre and were asked if the list was accurate or if anything needed to be added or changed.

Workbooks were filled out privately by residents except for one, one-on-one interview. For the interview, InterGroup staff explained to the participant how the information provided would be used and then proceeded to walk the interview participant through the workbook while typing the responses.

1.2.3 Participation

Twelve workbooks were completed. Five residents stopped by the Learn More Centre during the drop-in session to pick up workbooks. One workbook was completed through a one-on-one interview with InterGroup staff.

1.3 LIMITATIONS

The methods developed to solicit community feedback were robust and adapted to the circumstances (e.g., a global pandemic, summer, and fatigue with virtual engagement methods). Ignace residents were provided different methods of providing input and those methods were advertised throughout the community. NWMO staff worked to ensure that residents who wanted to provide feedback had an opportunity that they felt comfortable with. However, no process is perfect, and the following limitations should be considered relative to the process:

- Soliciting feedback during online workshops was more challenging than what would be typical in a face-to-face event, as many people opted to turn their cameras off. No visual cues such as facial expressions made it challenging at times for facilitators to “read the room.” Facilitators made specific efforts to check-in with each participant at key intervals in the discussions to capture as much feedback as possible.
- Many participants were not comfortable operating on the MURAL board on their own. The project team acted as a MURAL notetaker in these instances and documented feedback live based on the discussions.
- The discussion of priorities often dominated the discussion during the online workshops, and less time was spent exploring and prioritizing the key questions. Questions that arose as part of the discussion of priorities were captured by notetakers and considered in the summary of key questions and concerns.
- The total number of workshops planned (7) did not reflect the number of workshops implemented (3). By the end of August, it appeared people were experiencing some fatigue with video conferencing and alternative means of soliciting feedback were developed as a result (e.g., community workbook distribution, community drop-in event).
- The youth workshop used slightly different methods to engage with participants (ranging in ages 15 to 21) to solicit their feedback. Broadband availability and the variety of devices in

use by youth participants resulted in some technical delays at the outset of the discussion, which provided less time to cover other topics during the course of the workshop.

1.4 APPROACH TO ANALYSIS

Feedback acquired through the workshops and workbooks and comments provided through the newsletter outreach and drop-in session provided the raw data for the analysis (and are available in Appendix B). This, along with notes collected during the workshop by the Project team were merged relative to each of the key questions. Qualitative data analysis processes were followed to arrive at key themes. This included reviewing the compiled data in its entirety, looking for key patterns or themes in what participants said, and categorizing the results (or coding) relative to the ideas that emerged. In the process, the project team considered where there was overlap relative to the key three questions, and data was often re-sorted or moved from one question to another to reduce duplication (e.g., important questions identified in the discussion of priorities were moved to the discussion of key questions and concerns for analysis).

Attachment 1: Mail Drops

Ignace virtual community workshops to explore the Adaptive Phased Management Project

The Township of Ignace and the Nuclear Waste Management Organization (NWMO) are organizing virtual community workshops to further explore Canada's plan for the safe, long-term management of used nuclear fuel and the possibility of hosting the project in the area. These workshops are intended to explore the community's expectations for the project, key questions and concerns we need to address, and opportunities for the Centre of Expertise to contribute to the community and area.

We need your input! We invite you to join with fellow Ignace residents online to explore the NWMO project and your expectations if it were to come to the area.

These virtual workshops will be facilitated by specialists using online tools to help shape our discussions with the NWMO as we continue to learn about and consider the project.

» Virtual workshop dates and times

August 19, 2020

- 5:30 p.m. - 6 p.m. virtual tutorial
- 6 p.m. - 8 p.m. workshop

August 26, 2020

- 5:30 p.m. - 6 p.m. virtual tutorial
- 6 p.m. - 8 p.m. workshop

» Where and how to register

Township of Ignace

34 Highway 17 West

Contact: Marco Hinds
Special Projects Manager

Email: icnlc.office@gmail.com

Tel.: 807.747.0138

NWMO Learn More Centre

304 Main Street, Ignace Plaza

Contact: Chantelle Gascon
Community Liaison Manager, NWMO

Email: cgascon@nwmo.ca

Tel.: 807.323.3466

Please specify the date of the workshop you would like to attend.

To participate, you will require a device with the capability to connect to the internet and will be provided with a virtual link and information materials via email prior to the session.

Additional opportunity to participate

Community members who are unable to attend a community workshop session are encouraged to get information and a workbook to complete from the NWMO Learn More Centre or the Township of Ignace office.

Ignace is one of two potential siting areas exploring the possibility of hosting the deep geological repository and Centre of Expertise, which are part of Canada's plan for the safe, long-term management of used nuclear fuel. Ignace is still exploring the project and its interest in hosting it in the area. A single, preferred site will be selected by 2023.

Ateliers virtuels au sein de la collectivité d'ignace pour explorer le projet de la Gestion adaptative progressive

Le canton d'ignace et la Société de gestion des déchets nucléaires (SGDN) organisent des ateliers virtuels communautaires pour examiner plus avant le plan canadien de gestion à long terme sûr du combustible nucléaire irradié et la possibilité d'accueillir le projet dans la région. Ces ateliers ont pour but d'examiner les attentes de la collectivité par rapport au projet, les principales questions et préoccupations auxquelles nous devons répondre et les possibilités qu'offre le Centre d'expertise de contribuer à la collectivité et à la région.

Nous avons besoin de votre avis! Nous vous invitons vous joindre en ligne à vos concitoyens d'ignace pour explorer le projet de la SGDN ainsi que les attentes que vous auriez à son égard dans l'éventualité où il serait mis en oeuvre dans la région.

Ces ateliers virtuels animés par des spécialistes utilisant ces outils en ligne aideront à orienter les discussions que nous aurons avec la SGDN pendant que nous continuons de nous renseigner sur le projet et de réfléchir à la possibilité de l'accueillir.

» Dates et heures des ateliers virtuels

19 août 2020

- 17 h 30 - 18 h tutoriel virtuel
- 18 h - 20 h atelier

26 août 2020

- 17 h 30 - 18 h tutoriel virtuel
- 18 h - 20 h atelier

» Où et comment s'inscrire

Canton d'ignace
34, route 17 Ouest

Contact : Marco Hinds
Gestionnaire de projets spéciaux
Courriel : icnlc.office@gmail.com
Tél. : 807.747.0138

Centre *En savoir plus* de la SGDN
304, rue Main, Ignace Plaza

Contact : Chantelle Gascon
Responsable de la liaison avec la collectivité, SGDN
Courriel : cgascon@nwmo.ca
Tél. : 807.323.3466

Veuillez noter la date de l'atelier auquel vous aimeriez participer.

Pour participer, vous aurez besoin d'un appareil capable de vous connecter à Internet et vous sera fourni avec un lien virtuel et du matériel d'information par courriel avant la session.

» Occasion supplémentaire de participer

Les membres de la collectivité qui ne peuvent pas participer à une séance d'atelier sont invités à recueillir des informations et un cahier à remplir au Centre *En savoir plus* de la SGDN ou au bureau municipal du canton d'ignace.

Ignace est l'une des deux régions hôtes potentielles qui étudient la possibilité d'accueillir le dépôt géologique en profondeur et le Centre d'expertise prévus par le plan canadien de gestion à long terme sûr du combustible nucléaire irradié. Ignace explore actuellement le projet ainsi que son intérêt à l'accueillir dans la région. Un site optimal unique sera choisi d'ici 2023.

nwmo

NUCLEAR WASTE
MANAGEMENT
ORGANIZATION

SOCIÉTÉ DE GESTION
DES DÉCHETS
NUCLÉAIRES



EXPLORING PROJECT VISION TOGETHER

Drop in session

Come share your thoughts
on the priorities for the project &
the Centre of Expertise.

Monday, September 21st, 2020
6-8 pm

Ignace Learn More Centre
(304 Main Street)

www.nwmo.ca

Find us on    @nwmoCanada

Attachment 2: Newsletter



Community conversations on partnership: exploring project vision together

Workshops are underway to develop a community project vision

Ignace and the Nuclear Waste Management Organization (NWMO) are conducting community workshops to explore the Adaptive Phased Management (APM) project in more detail.

A cross-section of community members met together 'virtually' on July 28 to consider the community's priorities and objectives for the APM project if it were to come to the Ignace

area. Led by Kristin Drewes of Winnipeg-based Intergroup, the consulting group tasked with conducting the dialogue, workshop participants explored the community's expectations for the project, the key questions and concerns about the project that still need to be addressed, and opportunities for the Centre of Expertise to contribute to the community.



An artist concept for the Centre of Expertise

Community priorities for the Centre of Expertise include the following:

- Designing the building to fit in with the community as an educational centre for the project.
- Involving the Indigenous community in the design and operation of the centre.
- Showcasing Ignace's history of involvement in the project, including the people involved.
- Promoting natural and locally sourced resources (stone, granite, timber, laminated beams) through design as well as other industries in the area.
- Hosting a facility for education and training and/or recreational facilities.

Priorities for the Centre of Expertise

A Centre of Expertise is an important part of the project. The centre will be designed to support the technical requirements of the project, and beyond that help foster community well-being by supporting other community uses. In the workshops, community members are also considering preferences and objectives for the Centre of Expertise if it were to come to the area.

The priorities and objectives for the Centre of Expertise identified in the workshops will help guide further discussions with the NWMO about this facility, how it will be designed and what it may include.



WATCH OUT FOR THESE ACTIVITIES COMING SOON:

- » Transportation discussion at the September 15 CLC meeting
- » Transportation community workshops September – October (dates to be confirmed)



Key project priorities are being identified

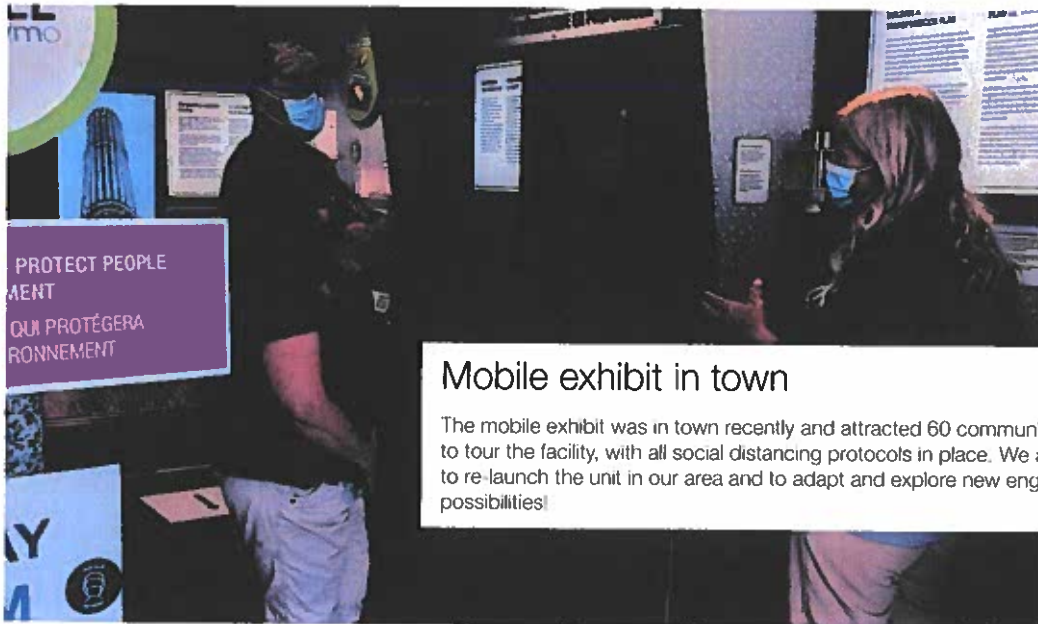
In workshops to date, community members said that first and foremost the project must be safe, and people need to have a good understanding of the project including project benefits and risks. The project must also contribute to the long-term well-being of the community. Priorities in five key community well-being areas are being identified by workshop participants.

Once finalized, the priorities and objectives the community has for the project will be used to guide further discussions with the NWMO about the project, how it could be planned and what it may bring if it were to come to the Ignace area.

During the workshops, community members are also identifying the key questions which need to be addressed to support learning about the project and ultimately interest in hosting the project in the area. This will form the starting point for a series of studies designed to address outstanding community questions and will build on the large body of information collected from the many studies already completed.

Community priorities for the project include the following:

- **For people:** Help grow the population, retain youth and attract new residents to the area. This includes interest in growing the population to as high as 2,500 - 3,000.
- **For economics and finance:** Help support local businesses and diversify the economy. This includes interest in increasing business activity and employment opportunities, local training to participate in the project, and supporting the growth of tourism.
- **For infrastructure:** Help maintain and improve existing infrastructure, including services, to meet the needs of residents. This includes interest in expanding real estate development, upgrading existing housing stock and improving transportation infrastructure and services.
- **For community and culture:** Help protect our small-town culture while enhancing social and recreation programming. This includes interest in celebrating Ignace's heritage and small-town nature and enhancing recreation and social programming.
- **For natural environment:** Help sustain and enhance stewardship of the environment as well as opportunities associated with these natural resources. This includes interest in maintaining and protecting the area's environment and conserving reserves and parks for current and future users.



Mobile exhibit in town

The mobile exhibit was in town recently and attracted 60 community members to tour the facility, with all social distancing protocols in place. We are excited to re-launch the unit in our area and to adapt and explore new engagement possibilities!

Share your thoughts!

Learn more about Ignace's developing project vision, and share your thoughts on the priorities for the project and the Centre of Expertise. **Have they captured what is most important? What needs to be added or changed?** And, check out the list of key questions which need to be addressed about the project being developed through the workshops, to make sure it includes your questions. Input from the community may also be provided by filling out a workbook we've developed on exploring project vision together.

Drop by the **Learn More centre (304 Main Street in Ignace)** or call us at **(807) 934-2472** to learn more and share your thoughts with staff or pick up a workbook to fill out. You can also connect with us, and request a workbook, via the NWMO at cgascon@nwmo.ca.

A report summarizing what community members outlined in the workshops, and the comments shared through the website and at the Learn More centre, will be published in the next few months and shared with Ignace Council.



Conversations avec la collectivité sur un partenariat : explorons notre vision du projet ensemble

Ateliers en cours pour établir la vision locale du projet

Ignace et la Société de gestion des déchets nucléaires (SGDN) tiennent des ateliers à Ignace pour explorer plus en détail le projet de la Gestion adaptative progressive (GAP).

Un groupe diversifié de résidents se sont réunis « virtuellement » le 28 juillet pour réfléchir aux priorités et aux objectifs locaux dans l'éventualité où le projet de la GAP serait

réalisé dans la région. Sous la coordination de Kristin Drewes d'Intergrupp, un groupe de Winnipeg, les participants ont exploré les attentes des résidents concernant le projet, leurs questions et leurs préoccupations, ainsi que les façons dont le Centre d'expertise pourrait contribuer à la collectivité.



Un concept d'artiste pour le Centre d'expertise

Priorités de la collectivité pour le Centre d'expertise :

- Bâtiment harmonisé avec la collectivité – centre éducatif sur le projet.
- Participation des Autochtones locaux à la conception et à l'exploitation du centre.
- Mise en valeur de la participation d'Ignace au projet et des personnes impliquées.
- Mise en valeur des ressources naturelles locales (pierre, granit, bois d'œuvre, poutres lamellées) ainsi que des autres industries de la région.
- Doit comprendre une installation d'éducation et de formation et/ou des installations de loisirs.

Les priorités relatives au Centre d'expertise

Le Centre d'expertise est un élément important du projet. Il devra soutenir les exigences techniques du projet et contribuer à favoriser le bien-être de la collectivité en soutenant d'autres services. Au cours des ateliers, les résidents réfléchissent aussi aux préférences et aux objectifs de la collectivité au regard du Centre d'expertise pour le cas où il serait construit dans la région.

Les priorités et les objectifs fixés lors des ateliers pour le Centre d'expertise aideront à guider les discussions futures sur cette installation, sur sa conception et sur ce qu'elle pourrait comprendre.

Au cours des ateliers, les membres de la collectivité travaillent aussi à déterminer les questions clés qui restent à résoudre quant au soutien de la compréhension et de l'appui au projet dans la région. Ces travaux constitueront le point de départ d'études qui viseront à répondre aux questions de la collectivité et s'appuieront sur le grand volume d'informations tiré des nombreuses études déjà réalisées.

Les priorités et les objectifs fixés lors des ateliers pour le Centre d'expertise aideront à guider les discussions futures sur cette installation, sur sa conception et sur ce qu'elle pourrait comprendre.



SURVEILLEZ CES ACTIVITÉS QUI SE TIENDRONT BIENTÔT

- » Discussion sur le transport lors de la réunion du 15 septembre du CLC
- » Ateliers locaux sur le transport en septembre et en octobre (dates à confirmer)



Réflexion sur les priorités clés relatives au projet

Au cours des ateliers, les participants ont dit que le projet devait avant tout être sûr et que les gens devaient bien comprendre le projet, notamment ses retombées possibles et les risques qu'il pose. Le projet doit aussi contribuer au bien-être à long terme de la collectivité. Les participants travaillent à établir les priorités relatives à cinq domaines clés du bien-être de la collectivité.

Une fois finalisés, les priorités et les objectifs de la collectivité au regard du projet seront utilisés pour guider les futures discussions avec la SGDN sur le projet, sur la façon dont il pourrait être planifié et sur ce qu'il pourrait occasionner s'il était réalisé dans la région d'Ignace.

Au cours des ateliers, les membres de la communauté identifient également les questions clés qui doivent être abordées pour soutenir l'apprentissage du projet et, en fin de compte, l'intérêt pour héberger le projet dans la région. Cela constituera le point de départ d'une série d'études conçue pour répondre aux questions communautaires en suspens et s'appuiera sur le vaste corpus de informations recueillies à partir des nombreuses études déjà réalisées.

Priorités de la collectivité au regard du projet :

- Population** : Contribuer à la croissance démographique, retenir les jeunes et attirer de nouveaux résidents dans la région. Cela comprend la volonté de faire passer de 2 500 à 3 000 la population d'Ignace.
- Économie et finances** : Soutenir les entreprises locales et diversifier l'économie. Comprend la volonté de stimuler l'activité commerciale et d'améliorer les perspectives d'emploi, de fournir une formation locale pour aider les gens à participer au projet et de soutenir le tourisme.
- Infrastructure** : Aider à entretenir/améliorer l'infrastructure existante, y compris les services, pour répondre aux besoins des résidents. Comprend la volonté de dynamiser la construction immobilière et d'améliorer le parc immobilier existant ainsi que l'infrastructure et les services de transport.
- Communauté et culture** : Aider à protéger la culture de petite ville de l'endroit tout en améliorant les programmes sociaux et récréatifs. Cela comprend la volonté de célébrer l'héritage d'Ignace et son attrait de petite ville ainsi que d'améliorer ses programmes récréatifs et sociaux.
- Environnement** : Aider à maintenir/améliorer l'intendance environnementale et les possibilités qu'offrent les ressources naturelles. Comprend la volonté de préserver et de protéger l'environnement local et de conserver les réserves et les parcs pour les usagers actuels et futurs.



L'exposition mobile à Ignace

L'exposition mobile était récemment à Ignace et 60 résidents l'ont visitée tout en respectant les règles de distanciation sociale. Nous sommes ravis de relancer l'unité ici et d'explorer de nouvelles possibilités de concertation!

Faites-nous part de vos réflexions!

Renseignez-vous sur la vision qu'Ignace est en train de se donner pour le projet et faites connaître vos priorités concernant le projet et le Centre d'expertise. **Les aspects importants ont-ils été couverts? Que doit-on ajouter ou changer?** Examinez la liste des questions clés abordées dans les ateliers pour vous assurer que vos questions sont prises en compte. Les résidents peuvent aussi faire connaître leur avis en remplissant un cahier que nous avons préparé pour explorer ensemble la vision du projet.

Passez par le centre **En savoir plus (304, rue principale**

à Ignace) ou appelez-nous au (807) 934-2472 pour en savoir plus, pour faire part de vos réflexions au personnel ou pour prendre un cahier à remplir. Vous pouvez aussi communiquer avec nous ou demander un cahier à la SGDN à cgascon@nwrmo.ca.

Un rapport résumant ce que les membres de la collectivité ont dit lors des ateliers ainsi que les commentaires transmis par le biais du site Web et au centre En savoir plus sera publié dans les prochains mois et remis au conseil municipal d'Ignace.

Attachment 3: Project Visioning Presentation



nwmo

NUCLEAR WASTE
MANAGEMENT
ORGANIZATION

SOCIÉTÉ DE GESTION
DES DÉCHETS
NUCLÉAIRES



Exploring Project Vision Together

Community Workshops
August 2020

Workshop Agenda

- Introductions
- Background
- The Partnership roadmap
- Ignace's involvement
- The next phase of work – Project Vision
- Three key questions





Background

NWMO

- Formed in 2002 as required by *Nuclear Fuel Waste Act*
- Mandate to collaboratively develop and implement long-term management of Canada's used nuclear fuel
- The project will only proceed with the interested community, First Nation and Métis communities and surrounding municipalities working in partnership.



Adaptive Phased Management (APM)

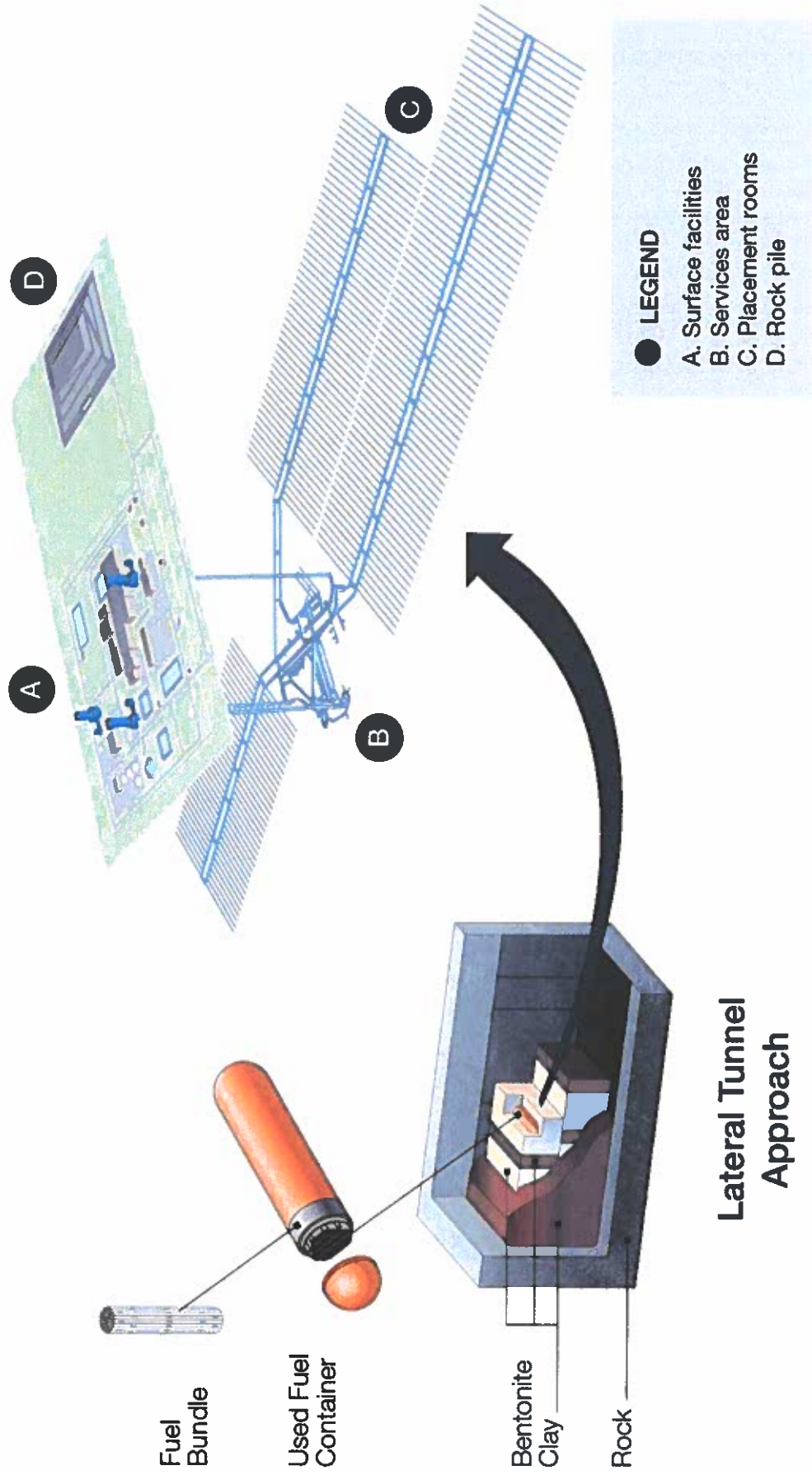
Technical method

- Centralized containment and isolation of used nuclear fuel in a deep geological repository
- Continuous monitoring
- Potential for retrievability
- Optional step of shallow underground storage
- *Temporary shallow storage at the deep geological repository is optional and not currently included in the NWMO's implementation plan*

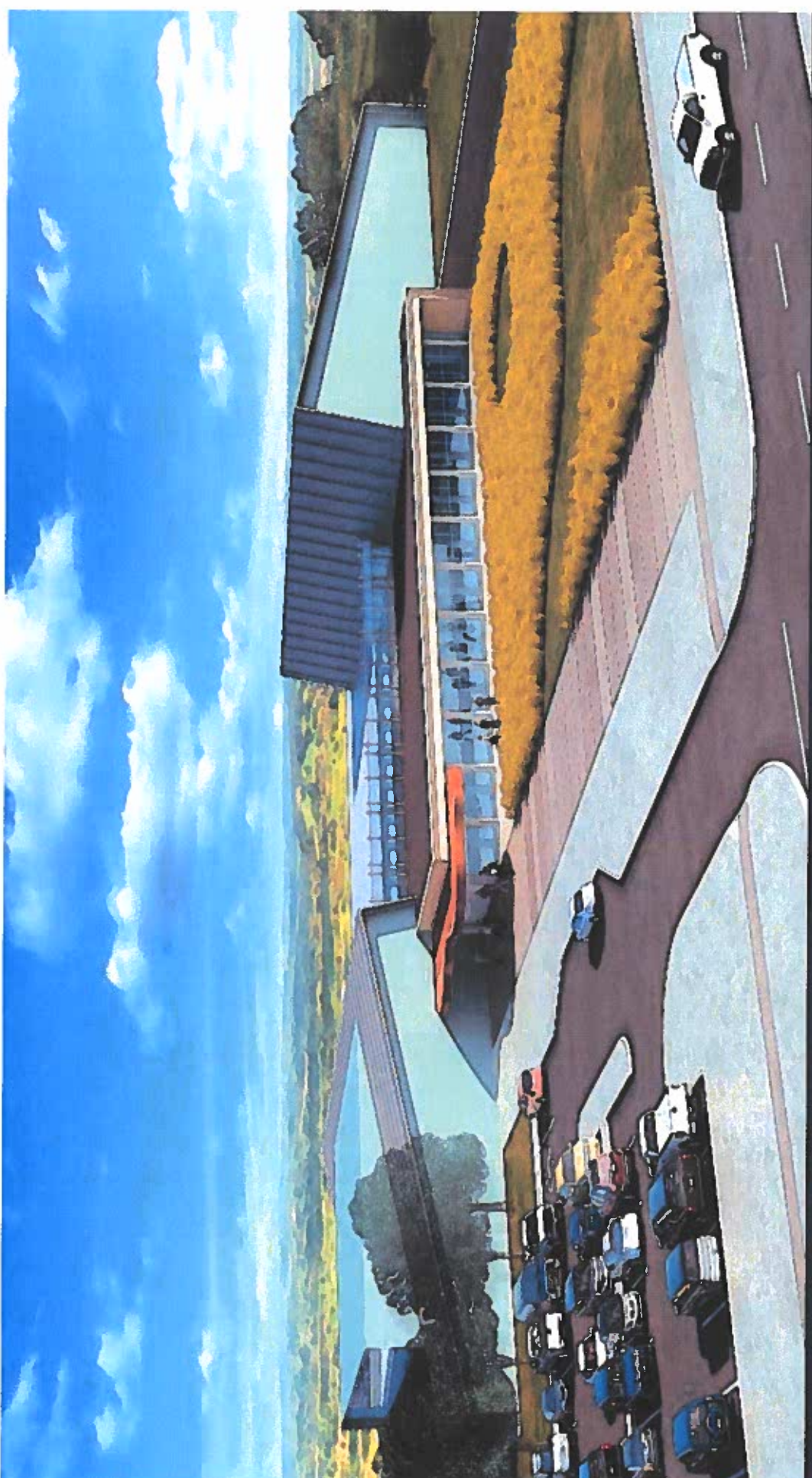
Management system

- Flexibility in pace and manner of implementation
- Phased and adaptive decision-making
- Responsive to advances in technology, research, Indigenous Knowledge, and societal values
- Open, inclusive and fair siting process to seek an informed and willing host
- Sustained engagement of people and communities throughout implementation

Deep Geological Repository



Centre of Expertise



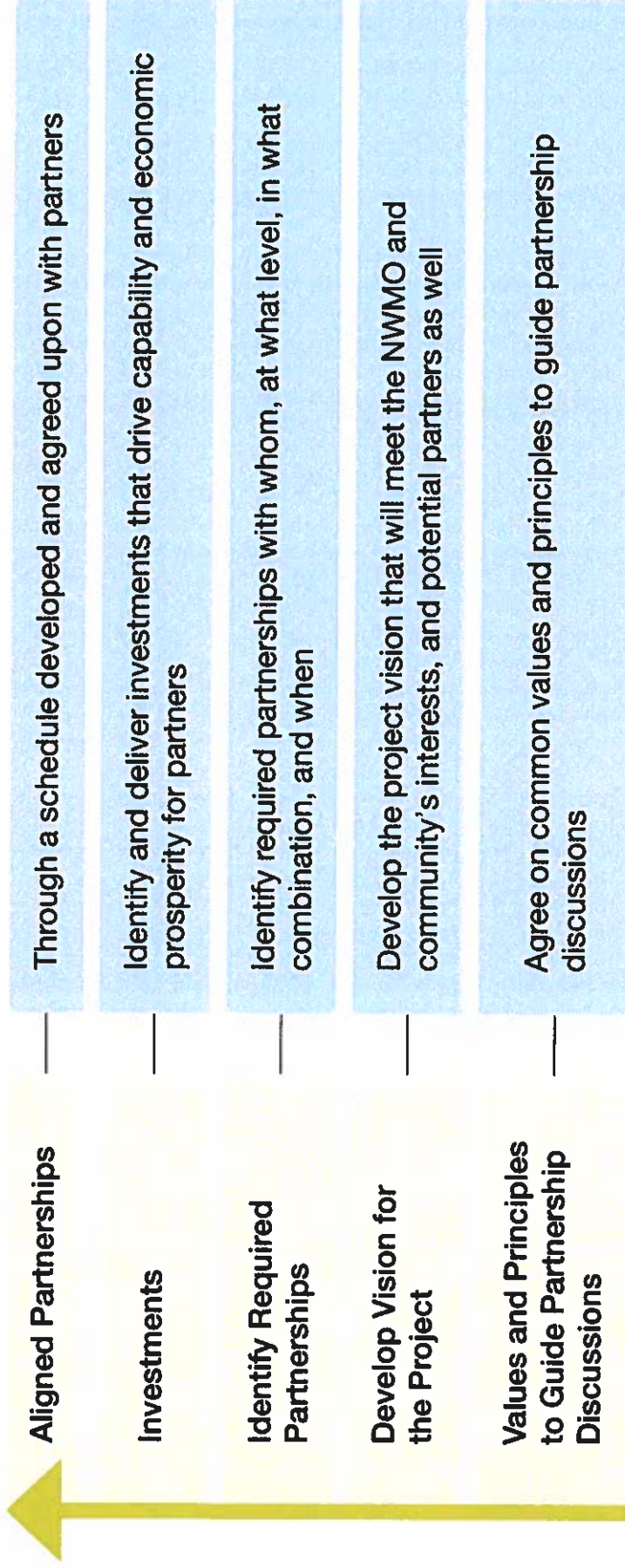
Key Project Milestones

- 2019** - Preliminary Assessment of areas and sites
 - Narrowing Process continues
- 2023** - Preferred Site is selected
- 2024** - Detailed Characterization begins at site
 - Centre of Expertise construction
 - IA studies submitted to begin Regulatory Approval process
- 2033** - Construction begins
- 2043** - Operation begins



Partnership Roadmap

Roadmap to Partnership (2017-2022)





Ignace's involvement



Ignace's Involvement

- Since 2012, Ignace has been involved in a process of learning about the project
- Ignace has not decided whether it wishes to host the APM facilities in the area
- Project requires a safe site as well as a supportive partnership involving the municipality, First Nation and Métis communities and others in the area
- Preliminary studies suggest the project can be implemented safely in the Ignace area, and there is potential to align with community priorities and objectives

Ignace's Community Vision



“To be a safe, attractive and caring community that focuses on quality of life, driven by a healthy diversified economy based on principles of sustainability.”



Ignace's Goals

- **Make the Township an attractive and welcoming community**
- **Market the Township and its quality of life and affordability**
- **Establish an Economic Development Structure to create plans, develop initiatives and secure implementation funding**
- **Develop partnerships in order to help create economic stimulus**
- **Promote and support entrepreneurship and economic development initiatives**
- **Diversify the economic base**
- **Bring new residents to the Township**

Partnership Roadmap: Ignace's Values and Principles to guide discussions about the Project

- 1. Safety**
- 2. Respect and regard**
- 3. Accountability, responsibility and transparency**
- 4. Diversity, inclusivity, equity and interdependence**
- 5. Integrity and honesty**
- 6. Communication**
- 7. Managed growth**



The next phase of work – Project Vision

Advancing Partnership



Project Visioning

1. Identify Community aspirations and objectives with respect to the project
2. Explore opportunities offered by the project and how this might fit with community aspirations
3. Identify questions which still need to be addressed, as well as the kinds of studies needed to address the questions
4. Consider the work the community and the NWMO will need to do to help the community prepare for the project
5. Develop a plan to reach out to and involve others in the area to consider the project vision



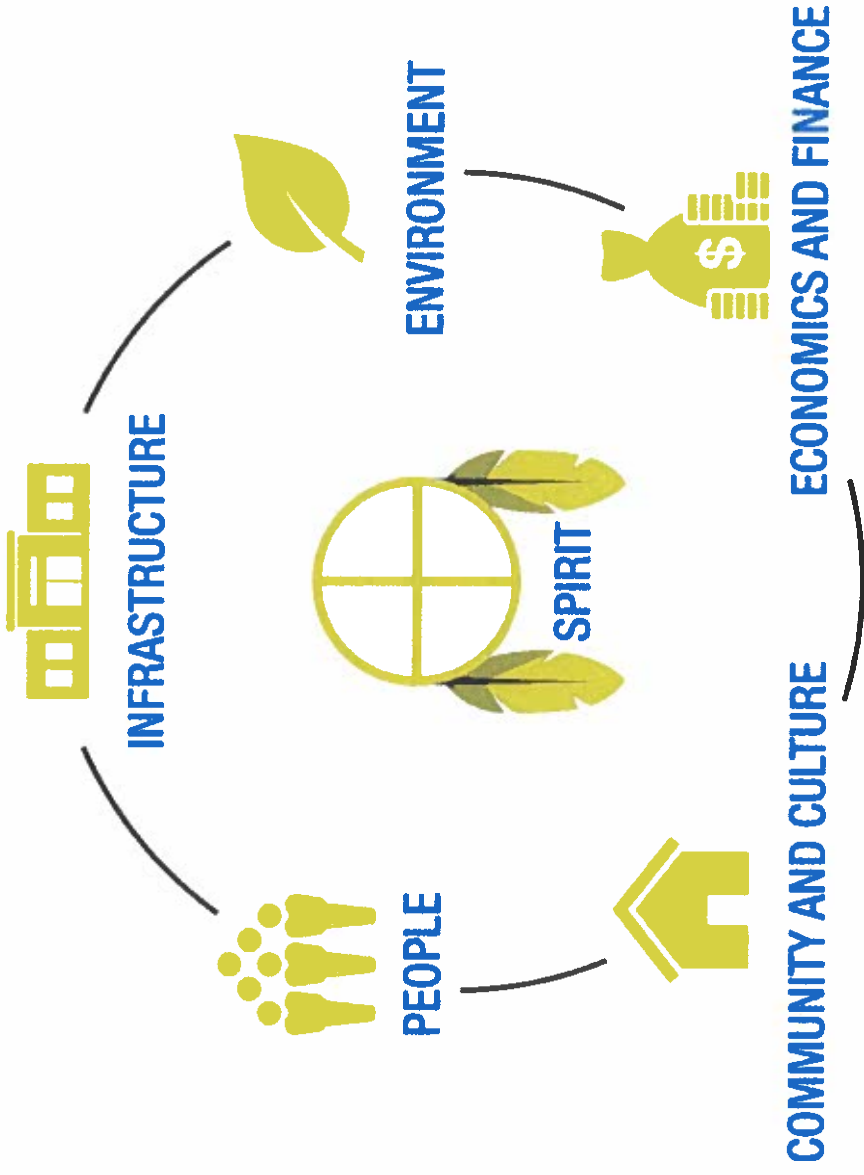
Three key questions



Three Key Project Vision Questions

- Share your thoughts on:
 1. What are your key priorities and objectives for the project?
 2. What are the key concerns and questions about the project that still need to be addressed?
 3. What are your thoughts about design features and/or activities that might help the Centre of Expertise support community well-being within the community and area?

Broad Approach to Well-Being



Consider the APM project from all dimensions of long-term sustainability

Attachment 4: Mural Cheat Sheet

How to use Mural

During our virtual discussion we will be using a Mural board in conjunction with our Zoom meeting. Mural is an online platform that provides a shared digital whiteboard where teams can collaborate real-time together.

1. You will be provided a link to the Mural board used for the discussion. After clicking on the link, we would ask that you enter your name (so all participants can see who is there relative to your cursor). You may choose to remain anonymous by leaving the field blank.

Please note, that the Mural will remain locked until such a time that the facilitator unlocks elements and provides access (i.e., you will not be able to edit it without the facilitator present).

2. Mural will open in your internet browser – so if you lose the screen while navigating between it and Zoom, click on your browser to re-open the window.

On the following page you will see a screenshot of what your Mural board will look like and some tips on how to use it.

These are our topic areas for discussion

EXPORT SHARE

Outline

All changes saved

- 1 **Priorities and Objectives...**
- 2 **People**
- 3 **Economics and Finance**
- 4 **Infrastructure**
- 5 **Community and Culture...**
- 6 **Natural Environment**
- 7 **Questions Concerns**
- Centre of Expertise**

What We Heard: Priorities and Objectives

People

How will the project affect the job of the community?

Help with the population, create jobs and create new traditions to the area

Grow education to 2,000 in 10 years

Enhance education and create new traditions

Economics and Finance

How will the project affect the job of the community?

Help build local businesses and identify the community

Grow education to 2,000 in 10 years

Enhance education and create new traditions

Infrastructure

How will the project affect the job of the community?

Help build local businesses and identify the community

Grow education to 2,000 in 10 years

Enhance education and create new traditions

Community and Culture

How will the project affect the job of the community?

Help build local businesses and identify the community

Grow education to 2,000 in 10 years

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Natural Environment

How will the project affect the job of the community?

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What We Heard: Questions and Concerns

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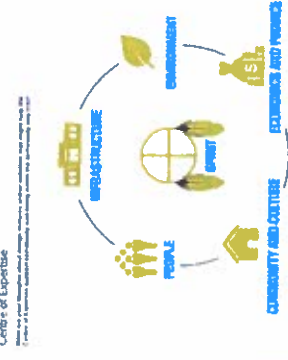
Natural Environment

How will the project affect the job of the community?

Help build local businesses and identify the community

Grow education to 2,000 in 10 years

Enhance education and create new traditions



You can adjust the zoom level of the board here

Zoom settings

15%

These blank rectangles are sticky notes! They can be found throughout the mural board. Click on them to enter text.



3. To move around the board, you can use the Outline pane to bring you to a topic discussion, or simply click and drag. You can zoom in or out using the zoom feature on the bottom right corner of the Mural board, or by using the wheel on your mouse (if you are using one).
4. Blank sticky-notes have already been added to the board under the different discussion areas. To contribute feedback to that topic, simply click on one of these sticky-notes and begin typing. To create a new sticky note, you can double-click on the board, though the facilitators can do this for you.
5. If you create your own sticky note a toolbar will appear above which will give you options to:

- Move the sticky note
- Zoom in closer
- Change the font size
- Change text format
- Change border or fill



6. We will be conducting a poll during the discussion. When the polling begins, you will have 3 votes. To vote, you simply left click where you would like. If you made a mistake or would like to change your mind, simply right click, and select "Remove vote".
7. If you have any questions, please do not hesitate to ask!

Attachment 5: Project Vision Document