AGENDA

A meeting of the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands to be held on Tuesday, February 15^h, 2022 Electronic Format at 7:00 p.m.

- 1. Call to Order
- 2. Approval of Agenda

Deputation: Foodcycler Municpal Solutions - Ami Gagne

Disclosure of Pecuniary Interest & General Nature Thereof

- 3. Minutes of Previous Meeting
 - i. Confirming By-Law 2022-10
- 4. Old Business
 - i. Manitoulin Marksman Club
- 5. Manager Reports
 - i. Fire Department Duane Deschamps
 - ii. Community Services Reid Taylor
 - iii. Public Works Wayne Williamson
 - iv. Building Department
- 6. New Business
 - i. Hot water retrofit tender results
 - ii. Refrigeration retrofit tender results
- 7. Minutes and Other Reports
 - i. Report from ROMA FONOM
 - ii. Mayors update
- 8. Adjournment

Pam Cress

From: Ami Gagne <amig@foodcycler.com>

Sent: January 26, 2022 10:51 AM

To: Pam Cress

Subject: Delegation Request - FoodCycler Organics Diversion Pilot Project

Attachments: FoodCycler Municipal Solutions - 2022 SEND.pptx

Good morning Ms. Cress,

My name is Ami Gagné, and I am the Project Coordinator of Municipal Solutions at Food Cycle Science. Our company provides municipalities with innovative solutions for residential food waste diversion to reduce the quantity of organics going into landfills. We are requesting to attend a Council meeting virtually on February 15th, 2022, to share information about our "FoodCycler Municipal Solutions: Residential In-Home Food Waste Diversion Pilot Project" and assess whether your municipality would be interested in joining us as implementation partners. Our presentation is attached above for your review. Our Pilot Project is a semi-finalist in the Impact Canada and Agriculture and Agri-Food Canada's Food Waste Reduction Challenge.

At Food Cycle Science, we provide residential in-home food waste diversion options for municipalities using our technology called the FoodCycler. It's an indoor compost alternative, about the size of bread maker, that takes food scraps and reduces weight and volume by 90%, leaving behind only a small amount of sterile biomass. The by-product can be used in applications such as gardening, landscaping, local farming, or even pelletized for use in home heating. For municipalities, by using the FoodCycler, no green bin collection or processing infrastructure is required, and GHGs are reduced by 95% in comparison to sending food waste to landfills. Every FoodCycler deployed is estimated to divert at least 2 tonnes of food over its expected lifetime. Furthermore, every tonne of food waste diverted from landfills is estimated to reduce greenhouse gas emissions by 1.3 tonnes of CO2e before transportation emissions. This can result in lower operating costs, fewer garbage trucks on the road and an extended lifespan for landfills. Not only that, but a food waste diversion pilot program would allow your residents to take part in an innovative solution to fighting climate change.

We work with many small, rural, remote, and Northern communities where curbside green bin collection is challenging to implement, or where landfill space is limited and ways to extend its lifespan are being considered. We have partnerships with some nearby municipalities among others (33 municipalities and 7 provinces/territories across Canada as of today listed below). We reached out because we felt that your community would be a good fit for the benefits of the program.

1	Town of Hay River, NWT	11	Town of Bancroft, ON	22	Township of Seguin, ON
2	Municipality of Killarney, ON	12	Township of Terrace Bay, ON	23	Municipality de Val-des-Monts, QC
3	Township of South Glengarry, ON	13	Municipality of South Dundas, ON	25	Town of Carleton Place, ON
4	Township of Algonquin Highlands, ON	14	Township of Hornepayne, ON	25	Town of Saint Andrews, NB
5	Mohawk Council of Akwesasne, ON, QC	15	Municipality of Central Manitoulin, ON	26	Town of Smith Falls, ON
6	Municipality of Trent Lakes, ON	16	Georgian Bay Association, ON	27	Rural Municipality of East-St Paul, MB
7	Municipal District of Peace 135, AB	17	Township of South Stormont, ON	28	Township of Ryerson, ON
8	City of Kenora, ON	18	Rural Municipality of Rockwood, MB	29	Township of Armour, ON
9	Municipality of Neebing, ON	19	Township of Bonfield, ON	30	Village of Burk's Falls, ON
10	City of Nelson, BC	20	Municipality of Dysart et al., ON		Town of Drayton Valley, AB Township of Edwardsburgh-Cardinal, ON
		21	Rural Municipality of Woodlands, MB	33	Town of Parry Sound, ON

Municipalities will often bear the material and financial burdens of climate change. With more at stake than higher levels of government, we believe that municipalities have a unique position in fighting climate change.

Please do not hesitate to contact me if you have any further questions or concerns, and I hope to discuss this matter further.

Thank you.



FOODCYCLER MUNICIPAL SOLUTIONS



ABOUT US

- C Canadian company based out of Ottawa, ON
- Founded in 2011 Company is 100% focused on Food Waste Diversion Solutions
- C Products available in North America through FoodCycler Municipal / Vitamix and internationally through network of distributors & OEM partners
- C Semi-finalists in Impact Canada's Food Waste Reduction Challenge



TRUSTED CANADIAN SOLUTION

COAST TO COAST TO COAST





SOUTH SUCCESSION OF THE SOUTH SERVING SERVING















DRAYTON VALLEY

Some Andrews























RM OF EAST ST. PAUL

 \neg



EDWARDSBURGH CARDINAL

... a n d

THE PROBLEM - FOOD WASTE

- $^{\circ}$ 63% of food waste is avoidable
- C Household waste is composed of 25-50% organic waste
- $^{\circ}$ Food waste weight is up to 90% liquid mass (which is heavy)
- $^{\circ}$ The average Canadian household spends $\$1,\!766$ on food that is wasted each
- C Each year food waste in Canada is responsible for **56.6 Million tonnes of CO2** equivalent of GHG



MUNICIPAL IMPACT

WASTE MANAGEMENT IS \triangleright MUNICIPAL RESPONSIBILITY

LANDFILL + WASTE COSTS

- \sim **25-50%** of household waste is organic waste
- Landfills are filling up fast, creating cost and environmental issues
- Hauling and disposal services are a major cost factor and environmental contributor

ENVIRONMENT

- Landfilled organic waste produces methane, which is **25 times** more harmful than CO2
- \subset 1 tonne of food waste is equivalent to 1 car on the road for one year



COMMUNITY

Food in the garbage:

- More frequent collection or trips to the disposal site
- C Unpleasant odours
- C Animals, pests & other visitors



Removing food waste from garbage:

- C Volume is reduced by up to 50%
- C Less frequent collection, fewer trips to disposal site, save on bag tags
- much less "interesting" for animals



HAVEN'T WE SOLVED THIS ALREADY?







GREEN BINS

- C Preferred solution for larger cities where dense housing and large processing facilities generate economies of scale
- C Contamination is an ongoing challenge
- C GHG emissions from curbside collection
- Safety concerns from additional trucks on the road

BACKYARD COMPOST

- Cost-effective but can be labor-intensive also
- C May attract pests/animals or create unpleasant odors
- Most users do not compost in winter or inclement weather
- Adoption rates are relatively low and stagnant

LANDFILL

- C Easiest solution and often perceived as the most cost-effective in the short term
- Waste is typically out of sight and out of mind for consumers
- High levels of GHG emissions, particularly methane
- C Long-term environmental hazard requires monitoring / maintenance

THE SOLUTION

IN THREE SIMPLE STEPS





Starches





Bones



Add waste to bucket

Add bucket to unit

Press Start. That's it!



Tea bags & Coffee



Egg shells

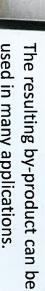
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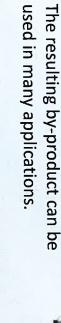


Nut shells, nuts & seeds



Meat, poultry & fish





90% FOOD WASTE REDUCTION

1 KG (2.5L) of wet, smelly food waste

100 G of dry, sterile & odorless soil amendment







M P A C T ENVIRONMENT

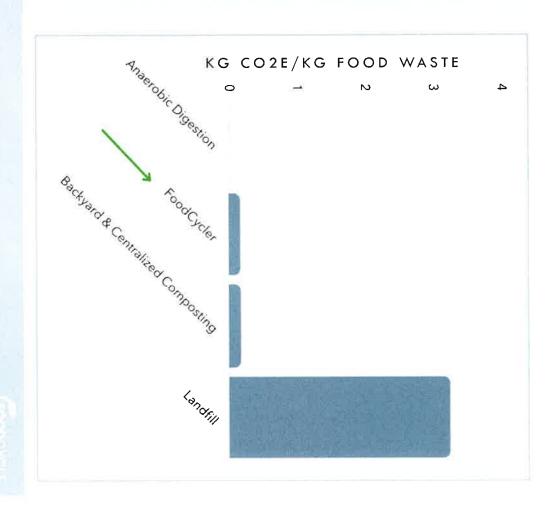
FOODCYCLER IS COMPARABLE TO:

- C Central composting (with no transportation emissions)
- Backyard composting (if done correctly)

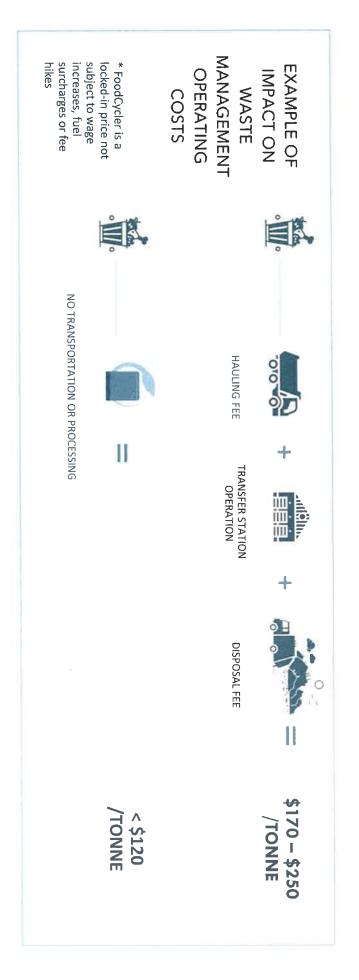
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C FoodCycler offers >95% reduction in CO2E vs. sending food waste to landfill

Source: Based on carbon intensity of power grid = 0.08 kg/kWh in Ontario **Incorrect backyard composting can lead to methane gases and odours



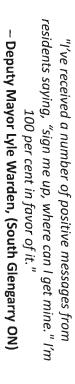
M P A C T



MPACT REGULATORY + SOCIAL PRESSURE

THE TIME IS NOW

- Constituents want solutions to reduce their environmental impact
- Waste is perceived as a government problem and regulations are coming
- Food waste is "low-hanging fruit" to achieving higher diversion and addressing the environmental impact of waste



"We were extremely happy with this program and loved that it made us aware of our daily waste."

- Pilot participant in South Glengarry

"It's a great tool to reduce household waste Appreciate that the municipality is being innovative and piloting different solutions."

Pilot participant in Hornepayne

"It alleviates a lot of the concerns that people might have with backyard composting. The time commitment, the location, pests and animals and everything like that."

Kylie Hissa, Strategic Initiatives Officer (Kenora, ON)



THE FOODCYCLER PILOTS

FOODCYCLER?" "WOULD YOU RECOMMEND



>700 Households

positive results. pilot projects with overwhelmingly 7 Municipalities have completed their

Net New Diversion



household is estimated to divert between Each participating waste annually. 300-400 kg of food



>90% Yes

1% No.

The rest are undecided or need more time.



experience rating. Average overall user

PILOT PROGRAM

2 WEEKS FROM START TO FINISH

PILOT TIMELINE

12 WEEKS

START

other designated subsidized rate from Municipal Office (or FoodCycler at a Residents purchase location)

> period of 12 weeks. Participants use the unit for a

diversion achieved. are tracked to estimate total Number of cycles per week

> any other feedback. review of the program and survey, providing their Participants fill out an exit

evaluate program success. Survey results used to

> implementation. Full program design and

NEXT STEPS

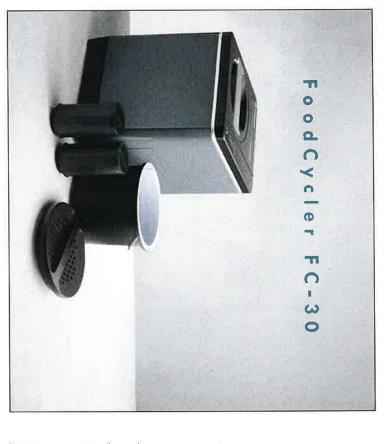
Municipal Fund! including FCM's Green Many grants available,

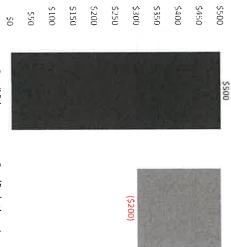


GREEN FONDS
MUNICIPAL MUNICIPAL
FUND VERT

SUBSIDIZED PILOT PROGRAM

OPTION









Plus shipping costs and applicable taxes

>10,000 residents

200 households

\$25,000

<2500 residents

Municipality Population

2500 - 10,000 residents

100 households

\$12,500

50 households

Pilot Scope

Municipal Investment

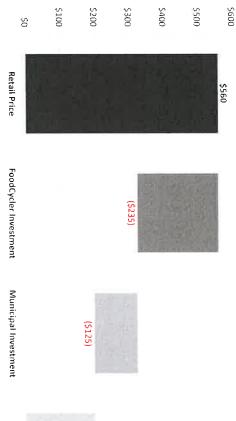
\$6,250

SUBSIDIZED PILOT PROGRAM

FoodCycler Pilot Subsidy Model

OPTION 2 (BUNDLE)





\$200

Municipality Population	Pilot Scope	Municipal Investment
<2500 residents	50 households	\$6,250
2500 – 10,000 residents	100 households	\$12,500
>10,000 residents	200 households	\$25,000

Resident Cost

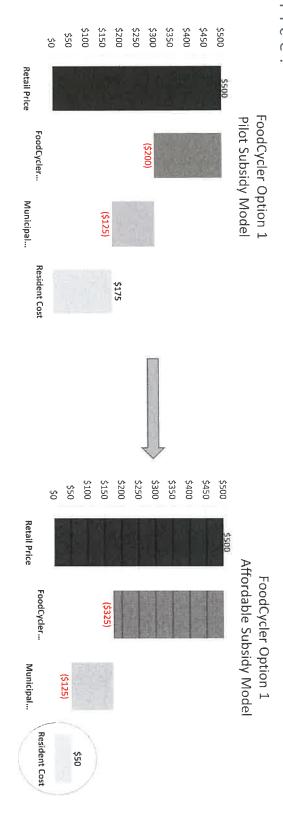
Plus shipping costs and applicable taxes

PTIONAL AFFORDABLE ADD-ON

GET 10% MORE UNITS

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price. Municipalitie o o d C y c l e r s t O S л 0 _ hose 5 \neg م w h o < P + 5 cannot ው option access _ 0 provide t h e progra 1 o w - \exists C S 0 a t f u |





THANK YOU!

Christina Zardo

Email: christinaz@foodcycler.com Manager of Municipal Solutions Phone: 613-402-7999

Ami Gagné

Project Coordinator, Municipal Solutions Email: amig@foodcycler.com Phone: 613-700-4682



THE CORPORATION OF THE TOWN OF NORTHEASTERN MANITOULIN AND THE ISLANDS

BY-LAW NO. 2022-10

Being a by-law of the Corporation of the Town of Northeastern Manitoulin and the Islands to adopt the minutes of Council for the term commencing December 4, 2018 and authorizing the taking of any action authorized therein and thereby.

WHEREAS the Municipal Act, S.O. 2001, c. 25. s. 5 (3) requires a Municipal Council to exercise its powers by by-law, except where otherwise provided;

AND WHEREAS in many cases, action which is taken or authorized to be taken by a Council or a Committee of Council does not lend itself to an individual by-law;

NOW THEREFORE THE COUNCIL OF THE CORPORATION OF THE TOWN OF NORTHEASTERN MANITOULIN AND THE ISLANDS ENACTS AS FOLLOWS:

1. THAT the minutes of the meetings of the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands for the term commencing December 4th, 2018 and held on:

February 8, 2022

are hereby adopted.

- 2. THAT the taking of any action authorized in or by the minutes mentioned in Section 1 hereof and the exercise of any powers by the Council or Committees by the said minutes are hereby ratified, authorized and confirmed.
- 3. THAT, where no individual by-law has been or is passed with respect to the taking of any action authorized in or by the minutes mentioned in Section 1 hereof or with respect to the exercise of any powers by the Council or Committees in the above-mentioned minutes, then this by-law shall be deemed for all purposes to be the by-law required for approving and authorizing the taking of any action authorized therein or thereby or required for the exercise of any power therein by the Council or Committees.
- 4. THAT the Mayor and proper Officers of the Corporation of the Town of Northeastern Manitoulin and the Islands are hereby authorized and directed to do all things necessary to give effect to the recommendations, motions, resolutions, reports, action and other decisions of the Council or Committees as evidenced by the above-mentioned minutes in Section 1 and the Mayor and Clerk are hereby authorized and directed to execute all necessary documents in the name of the Corporation of the Town of Northeastern Manitoulin and the Islands and to affix the seal of the Corporation thereto.

REA	DΑ	FIRST	, SECOND	AND	THIRD	TIME	AND	FINAL	LY PA	ASSED	THIS
15 th	day o	of Febr	uary, 2022.								

Al MacNevin	Mayor	Pam Cress	Clerk

The Corporation of the Town of Northeastern Manitoulin and the Islands Minutes of a meeting of Council held Tuesday, February 8, 2022 Via Zoom at 7:00p.m.

PRESENT: Mayor Al MacNevin, Councillors: Barb Baker, Al Boyd, Laurie Cook, Mike Erskine,

William Koehler, Dawn Orr, Bruce Wood, Jim Ferguson

STAFF PRESENT: David Williamson, CAO

Pam Cress, Clerk

Mayor MacNevin called the meeting to order at 7:00 p.m.

Resolution No. 43-02-2022

Moved by: J. Ferguson Seconded by: M. Erskine

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the

Islands approves the agenda as presented.

Carried

Resolution No. 44-02-2022

Moved by: W. Koehler Seconded by: B. Wood

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands now reads a first, second and third time and finally passes By-Law 2022-09 to adopt the minutes of Council for the term commencing December 4, 2018 and authorizing the takin of any action authorized therein and thereby.

Carried

Resolution No. 45-02-2022

Moved by: J. Ferguson Seconded by: L. Cook

BE TI RESOLVED THAT the Corporation of the Town of Northeastern Manitoulin and the Islands approves the financial reports as presented

Carried

Resolution No. 46-02-2022

Moved by: M. Erskine Seconded by: D. Orr

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands authorizes the Mayor and CAO to enter into an agreement with the Ministry of Northern

Developments Mines, Natural Resources and Forestry for a funding transfer payment as per the attached.

Carried

Resolution No. 47-02-2022

Moved by: M. Erskine Seconded by: W. Koehler

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the Islands proceeds In Camera in order to address a matter pertaining to a personal matter abouts an identifiable individual, including municipal or local employees.

Carried

Resolution No. 42-02-2022

Moved by: W. Koehler Seconded by: B. Wood

RESOLVED THAT the Council of the Corporation of the Town of Northeastern Manitoulin and the

Islands does now adjourn at 8:48 pm.

Carried

Al MacNevin	Mayor	Pam Cress	Clerk

TALKING POINTS FOR RANGE AT CASSON PIT

Site use bylaw was approved for <u>Manitoulin Handgun Club</u> by Gordon Twp. June5, 1984. Since that time there have been no reportable incidents. (injuries, police calls) There have been no complaints to our knowledge.

The OPP and Conservation Officers had permission to use our range Our club name was changed to Manitoulin Marksmen Club in 2014.

The club is incorporated as a non-profit corporation

The club carries \$5 million in liability insurance.

Each member has \$5 million in liability insurance

The reason for our seeking a different location is that the new owner of the property has decided to not allow either the shooting range or the snowmobile club to use the property.

Upon approval by the Municipality of N.E.M.I. The Chief Firearm Office of Ontario will send an inspector to view the property and proposed range layout, with safety being the foremost consideration.

Any recommendations for change will be made at that time.

Following that, berms and shooting stations will be constructed.

The Inspector will return and inspect the layout.

The Chief Firearm Office will approve the range.

The range will be reinspected every two years.

Bill Elliott

-> 80 members includig 8 family memberships



Presentation to North Eastern Manitoulin & Islands

Proposed Location for New Range

- ▶ See distributed Maps.
- Property to be rented from Don Eadie Ltd.
- Location and Zoning to be approved by council.
- Layout of range and construction of berms to be approved
- Chief Firearm Office will lay out range with safety first priority.
- Berms will be constructed and inspected for their approval.
- Range will be inspected before an approval is granted.
- Range will be re-inspected every two years.

Possible Concerns

- Danger to hikers?
- Perimeter signs "Danger, Shooting Range" will be erected.

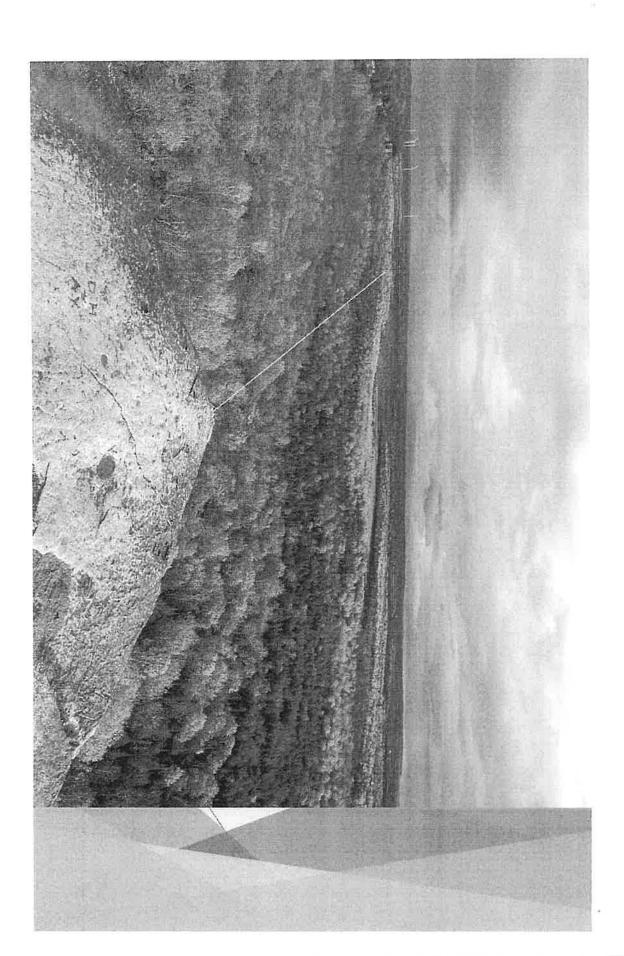
 Large Range Open/Closed sign at entrance. Litim of Williams
- "No Trespassing" Signs.
- Noise Cup & Saucer Trail?
- See following.

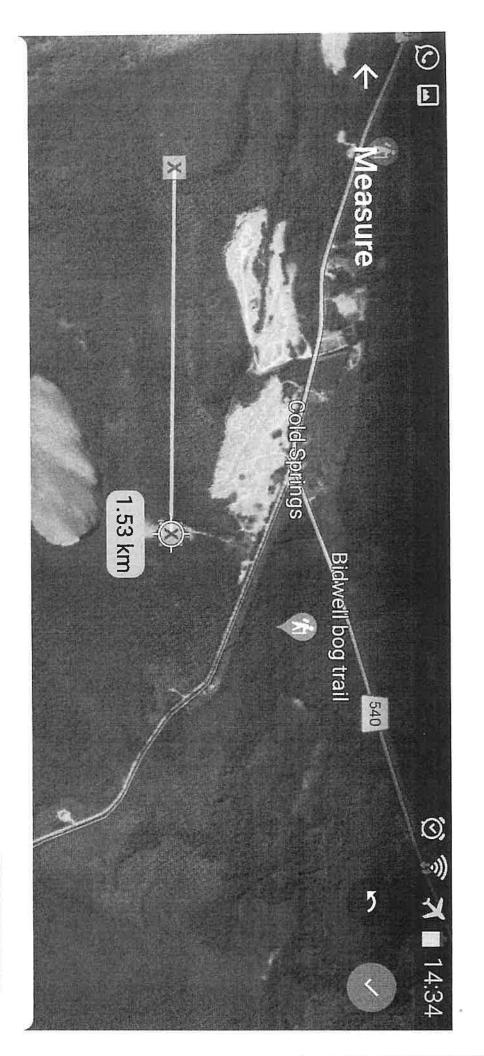
Noise Measurement

- A 12 Ga. Shotgun was fired at proposed range location while measurements were taken at "Cup" bluff. was Noise was almost inaudible just a slight "tic" on
- recording. microphone.
- Decibel Meter would barely register at just over 20 decibels.
- See following slides.

Test Shot Recording , Conditions

- Location East lookout Cup bluff.
- 9 degrees Celsius, No wind.
- Excellent visibility low cloud.
- 1.53 km to shot location.
- No direct line of sight, due to intervening forested ridge.

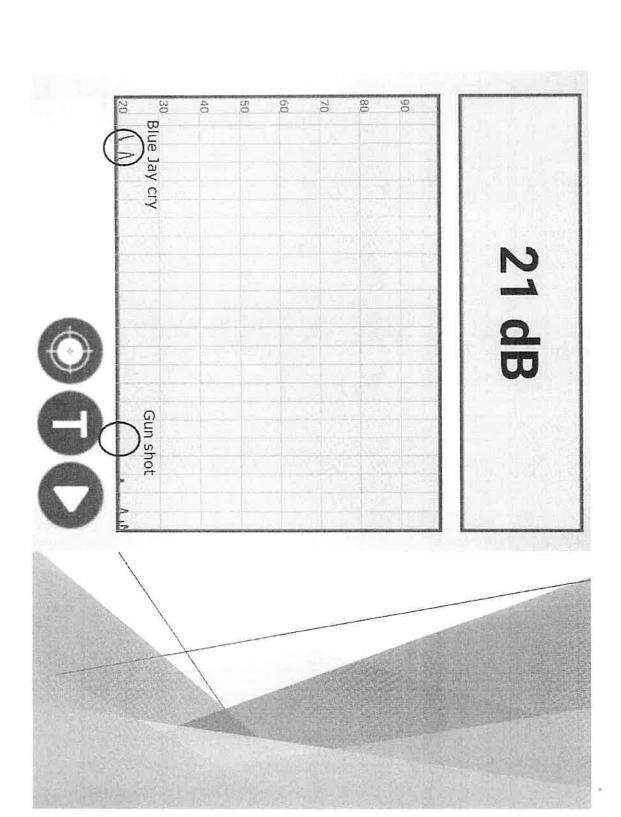




1.53 km







Shot recorded

Listen Carefully!

Test Shot
Recording Results

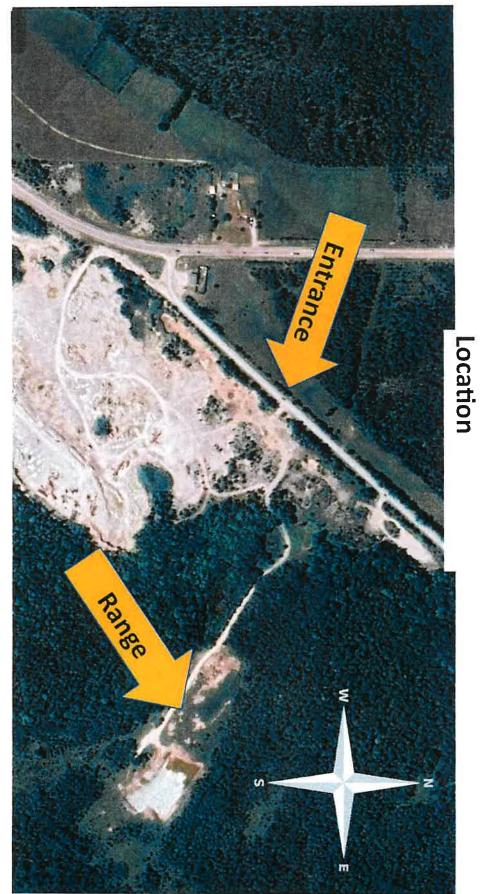
▶ Shot volumes at source, 120-140 decibels typical.

► Barely records 20 decibels at bluff, below background noise.

Mardly audible unless listening carefully.



Proposed Range

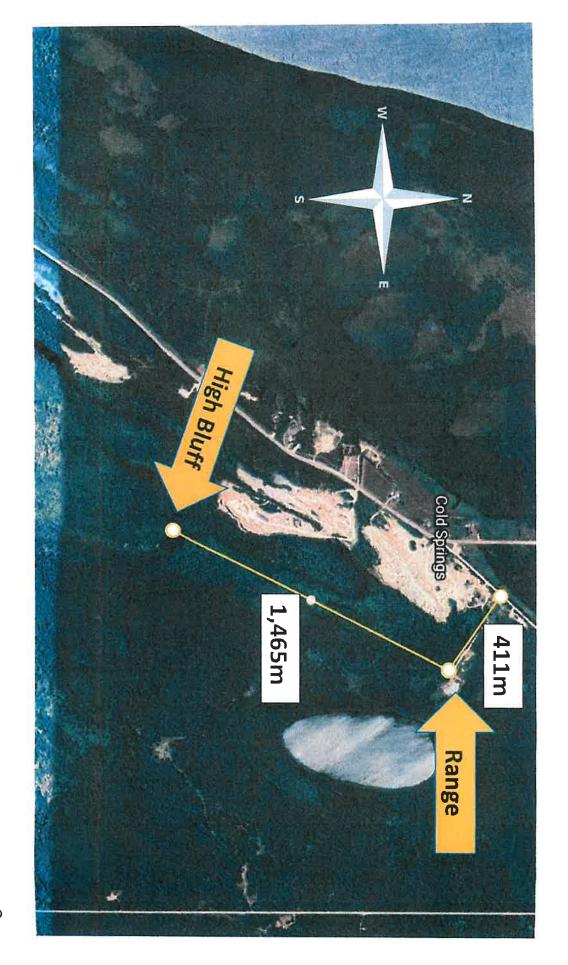




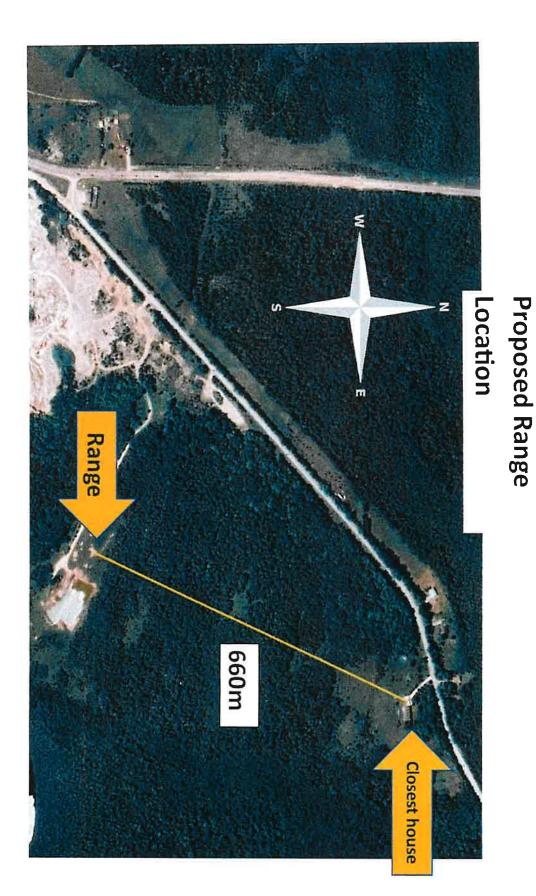




Proposed Range Location







FIRE DEPARTMENT REPORT TO COUNCIL

February 2022

CALLS FOR SERVICE (2)

Jan 27th,

18 Draper Street (public school) fire alarm

Feb 5th,

78 Pike Lake Road C.O. Call

(FIRE APPARATUS & EQUIPMENT IN GOOD WORKING ORDER)

Report to Community Services/Public Works – February 15, 2022

Rec Centre

- Ice Open
 - o Arena Ice reinstalled Feb 2nd -6th
 - o Opened at 5pm Feb 7th for rentals
 - o Most user groups have resumed schedules
 - o Public Skates Starting Feb 10th
 - Tuesday's & Thursday's 3:30-5:00p
 - Sunday's 1:30-2:30p
 - Private Rentals Available Feb 10th
- Outdoor Ice
 - o Open since January 17th
 - o Lots of use every day
 - o Daily maintenance
- Staff are continuing daily upkeep and maintenance our facilities
 - o Cleaning & Sanitizing
 - o Painting
 - o Ice Maintenance
 - o Facility Repairs
 - o Outdoor Ice Maintenance

This Month

- MHC Field Hospital remains
- Drive Test
- Youth Sports Resume

Marine, Parks & Outdoor Buildings

- Regular inspections of closed buildings
 - o Museum
 - Spider Bay
 - Waterfront
 - o Low Island
- Facility Repairs & Cleaning
- Capital Project preparation
- 2022 preparation



Public Works Report

February 15, 2022

Roads

Staff have been conducting daily road patrols

Plowing and sanding roads as required

Sidewalks are being sanded and salted daily as required

Snow removal as required

Landfill

All operations are going well

Equipment

Ongoing maintenance is being performed daily

Repairs are being conducted as required



Building Control Report to February 8, 2022

There have been 2 permits issued this year. The permits are categorized as follows.

	Permits	Total
Residential – New	1	\$3694.00
Residential – Additions & Renovations	0	\$0
Multi Residential – New	0	\$0
Seasonal Dwellings – New	0	\$0
Seasonal Dwellings – Additions & Renovations	0	\$0
Accessory Buildings – New	0	\$0
Decks – New & Alterations	0	\$0
Commercial/Industrial New	0	\$0
Commercial/Industrial – Additions & Renovations	1	\$1200.00
Institutional – New	0	\$0
Demolition/Moving	0	\$0
Permit Renewals	0	\$0
Total	2	\$4894.00

One new residential and one industrial renovation permit have been issued this year. This report period has a construction value of **408,000.00** and a permit value of **\$4,894.00**. The total value of construction value to date is **\$408,000.00** with a total building permit revenue of **\$4,894.00**.



Box 608, Little Current, Ontario, POP 1K0 705-368-3500

Tender Opening

Date of Opening	JAN 28th		
Project	HOT WATER PROJEC	ET RETROFIT	
Present for Opening	David Williamson Pan Cress		
Supplier	<u>Price</u>	<u>HST</u>	<u>Total</u>
PSL	<u> 201450.</u>	2	
MICTAL AIR	17175961	8 	1
Cimco	66250,		
Pro- GAS	102500.	× *	e ,
Northland	69 YS0.00	(moved to r.	etridy eration



Box 608, Little Current, Ontario, POP 1KO 705-368-3500

Tender Opening

Date of Opening	JAN 28 th		
Project	BEFRIGERATION		
Present for Opening	David Williamsen Pam Cress		
Supplier	<u>Price</u>	<u>HST</u>	<u>Total</u>
Cimco	224 740.		
Nortland	209, 850 -		
	•		
	, <u> </u>	20 9 =	20







NOMA, FONOM, and NOSDA met jointly with government at ROMA to discuss the Mental Health, Addictions, and Homelessness Crisis in the North

For release: January 26, 2022

The Northwestern Ontario Municipal Association (NOMA), the Federation of Northern Ontario Municipalities (FONOM), and the Northern Ontario Service Deliverers Association (NOSDA) jointly discussed the crisis of Homelessness, Mental Health, and the Opioid Crisis with the Provincial Government yesterday at the ROMA Conference. NOMA President Wendy Landry, FONOM President Danny Whalen, and NOSDA Chair Michelle Boileau shared with the six Provincial Ministers, Associate Minister, and two Parliamentary Assistants the experiences in our communities. Danny Whalen commented, "having the three organizations coming together today with over 20 individuals represented on the call shows just how important this is and the need to address these issues in the North."

The three organizations shared with government a research paper written by the Northern Policy Institute titled "Solving the Homelessness, Mental Health and Addictions Crisis in the North". This paper provided 8 recommendations: provide long-term funding for capital repairs on community-housing units, amend the Health Protection and Promotion Act, 1990 to define a 'Northern Service Hub' and provide additional funding to these hubs, establish a joint taskforce to collect data and intelligence on the underlying and systematic retention issues of healthcare professionals in Northern Ontario, support new and existing 'Housing First' programs, support new and existing Indigenous culturally sensitive community-housing facilities, establish a 'Northern Mental Health and Addictions Centre of Excellence' to address the unique challenges of service and program delivery in Northern Ontario, contract a third-party operator for interfacility patient transfers to relieve the workload of paramedics, and establish mandated Mobile Crisis Intervention Teams in municipalities throughout Northern Ontario.

President Wendy Landry commented "it is important to take an all of government approach, to manage and find made in the North solutions to the Mental Health and Addictions Crisis". Michelle Boileau commented, "we want to work with this government to ensure the right resources are put in the right communities to reach people who need the resources where they live", further "above all, we ask that this government recognize municipalities and NOSDA as a partner in our collective efforts to address the growing mental health and addiction challenges."

The three organizations shared personal experiences from their own communities to paint a picture of what the mental health, addicitons, and homelessness crisis looks like and how it is affecting people in every community across Northern Ontario. We are greatly appreciative of all the hard work and funding the government has given to help those in the North get the support they need but much more work is needed to ensure every person is receiving the best level of service regardless of where they live.

Whendy Landry

FONOM President Danny Whalen 705-622-2479 NOMA President Wendy Landry 807- 626-6686 NOSDA Chair Michelle Boileau 705-465-5026