

TOWN OF FORT FRANCES

Operations and Facilities Executive Committee

AGENDA - November 17, 2021, 8:30 AM

MEETING - Civic Centre

Session #015

Microsoft Teams meeting

Join on your computer or mobile app

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[+1 807-701-5975,,109809554#](#) Canada, Thunder Bay

Phone Conference ID: 109 809 554#

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6 Adjourn / Next Meeting Date

TOWN OF FORT FRANCES

MINUTES

SESSION NO. #014

November 3, 2021

A meeting of the Operations & Facilities Executive Committee of the Town of Fort Frances was held in the Committee Room and via Microsoft Teams (virtual meeting resources) on Wednesday November 3, 2021 from 8:30 a.m. to 9:00 a.m.

PRESENT: Chairperson R. Wiedenhoeft - Councillor, M. Behan - Councillor, J. McTaggart - Councillor, Mayor J. Caul (ex-officio)

ALSO PRESENT: T. Rob, Manager of Operations & Facilities, F. Anwar, CAO, Craig Miller (8:30 a.m. to 9:00 a.m.) and Randy Thoms (8:30 a.m. to 9:00 a.m.).

1 Call to Order

1.1 The meeting was called to order at 8:30 a.m.

2 Disclosure of pecuniary interest and the general nature thereofNone

2.1 None

3 Approval of Previous Committee Minutes

3.1 Minutes from the previous meeting held on October 20, 2021 - the minutes from the previous meeting were approved as presented.

4 New Business

4.1 Landfill Expansion Informational Update - the Landfill update was received and will be forwarded to Council as information only. No action required.

4.2 2022 Operations and Facilities Division User Fees and Charges - the User Fees for 2022 were endorsed by as amended.

5 Adjourn / Next Meeting Date

5.1 The meeting was adjourned at 9:00 a.m.

Next meeting November 17, 2021.

Executive Committee Chair

T. Rob, Manager of Operations & Facilities

November 17, 2021

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Enter into a Contribution Agreement with the Northern Ontario Heritage Fund for Airport Improvements

In July of 2021 Council approved a report to apply to the Northern Ontario Heritage Fund for work at the Fort Frances Airport in 2021 and 2022. The Town has been successful in receiving \$148,500 in funding for various repairs at the Fort Frances Airport.

The Town plans to use the funds for the replacement of the roof and heating system in the terminal completed in 2021 and the replacement of the terminal flooring, adding automated gates and aprons for better emergency access to the apron and parking lot improvements in 2022.

Attached to this report you will find a contribution agreement between the Town of Fort Frances and the Northern Ontario Heritage Fund Corporation.

It is the recommendation of the Operations and Facilities Executive Committee to:

1. Enter into a contribution agreement with Northern Ontario Heritage Fund Corporation for funding relating to projects at the Fort Frances Airport
2. That an authorizing by-law be prepared authorizing the agreement be signed by Mayor and Clerk.

Respectfully Submitted



Travis Rob, P.Eng

Council approval of this report will agree with the recommendation of the Operations and Facilities Executive Committee to:

- 1. Enter into a contribution agreement with Northern Ontario Heritage Fund Corporation for funding relating to projects at the Fort Frances Airport**
- 2. That an authorizing by-law be prepared authorizing the agreement be signed by Mayor and Clerk.**

Manager of Operations and Facilities

THE AGREEMENT made

B E T W E E N:

NORTHERN ONTARIO HERITAGE FUND CORPORATION

a corporation existing under the laws of Ontario

(**"NOHFC"**)

- and -

CORPORATION OF THE TOWN OF FORT FRANCES

a municipality under the laws of Ontario

(the **"Recipient"**)

Background:

NOHFC has among its objects the promotion and stimulation of economic initiatives in Northern Ontario.

The Recipient has applied to NOHFC for funds to assist the Recipient in carrying out the Project described in this Agreement.

NOHFC is willing to provide funds to the Recipient to assist the Recipient in carrying out the Project on the terms and conditions set forth herein.

Consideration:

In consideration of the mutual covenants and agreements contained herein and for other good and valuable consideration, the receipt and sufficiency of which are expressly acknowledged, the Parties agree as follows:

**ARTICLE 1
INTERPRETATION AND DEFINITIONS**

1.1 Interpretation. For the purposes of interpretation:

- (a) words in the singular include the plural and vice-versa;
- (b) words in one gender include all genders;
- (c) the background and the headings do not form part of the Agreement; they are for reference only and shall not affect the interpretation of the Agreement;
- (d) any reference to dollars or currency shall be to Canadian dollars and currency;
- (e) "include", "includes" and "including" shall not denote an exhaustive list; and

- (f) in the event of a conflict between the main body of the Agreement and any schedule, the main body of the Agreement governs unless the schedule states that the schedule or a provision or provisions of the schedule operate(s) despite the main body of the Agreement.

1.2 **Definitions.** In the Agreement the following terms shall have the following meanings:

“Agreement” means this agreement for Project number 7510005 entered into between NOHFC and the Recipient and includes all of the schedules listed in section 26.1.

“BPSAA” means the *Broader Public Sector Accountability Act, 2010* (Ontario), including any directives and/or guidelines issued pursuant to that Act.

“Business Day” means a day other than a Saturday, Sunday, or any statutory holiday in the Province of Ontario.

“Conflict of Interest” has the meaning ascribed to it in section 7.2.

“Effective Date” is the date the Agreement is signed by NOHFC.

“Eligible Project Costs” means the costs paid by the Recipient for the purpose of carrying out the Project for which NOHFC may provide Funds and that are (a) incurred by the Recipient between March 9, 2021 and the expiry or termination of the Agreement; (b) in the sole opinion of NOHFC, reasonable and necessary for carrying out the Project; and (c) limited to the amounts and Project cost categories set out in the Project Costs Chart in Schedule “B”.

“Event of Default” has the meaning ascribed to it in section 14.1.

“Excess Funds Amount” means the excess, if any, of X – Y where
“X” is the amount of Funds provided to the Recipient under the Agreement; and
“Y” is the Project Percentage of the total Eligible Project Costs paid by the Recipient to complete the Project.

“Funding Year” means:

- (a) in the case of the first Funding Year, the period commencing on the Effective Date and ending on the following March 31; and
- (b) in the case of Funding Years subsequent to the first Funding Year, the period commencing on April 1 following the end of the previous Funding Year and ending on the following March 31.

“Funds” means the money NOHFC provides to the Recipient pursuant to the Agreement.

“Indemnified Parties” means Northern Ontario Heritage Fund Corporation and each of its directors, officers, agents, advisors, and representatives;

“Ineligible Project Costs” means all Project costs that are not Eligible Project Costs.

“Maximum Funds” means the maximum amount payable to the Recipient in respect of Eligible Project Costs under the Agreement, which is the lesser of: (i) the Project Percentage of the total Eligible Project Costs paid by the Recipient to complete the Project, and (ii) \$148,500.

“NOHFC Claim Schedule” means the NOHFC claim schedule set out in Schedule “C”.

“Northern Ontario” means the territorial districts of Algoma, Cochrane, Kenora, Manitoulin, Nipissing, Parry Sound, Rainy River, Sudbury, Thunder Bay and Timiskaming.

“Notice” means any communication given or required to be given under the Agreement.

“Party” means either NOHFC or the Recipient and **“Parties”** means NOHFC and the Recipient.

“Project” means the undertaking described in Schedule “A” and in the Project Plan in Schedule “C”.

“Project Budget” means the budget for the Project set out in Schedule “B”.

“Project Costs Chart” means the chart of Project costs set out in Schedule “B”.

“Project Funding Chart” means the chart of Project funding set out in Schedule “B”.

“Project Percentage” means 75%.

“Project Plan” means the chart setting out milestones/activities and timelines for the Project and the Project completion date, in each case as set forth in Schedule “C”.

“Quarter” or **“Quarters”** means one or more of the following four periods of time in NOHFC’s fiscal year: April 1 up to and including June 30, July 1 up to and including September 30, October 1 up to and including December 31, and January 1 up to and including March 31.

“Reports” means the financial and progress reports described in Schedule “E” and any other reports requested by NOHFC.

“Request for Funds” means the form set out in Schedule “D” of the Agreement.

“Wind Down Costs” means the Recipient’s reasonable costs to wind down the Project.

ARTICLE 2 REPRESENTATIONS, WARRANTIES AND COVENANTS

2.1 **General.** The Recipient represents, warrants and covenants that:

- (a) it is, and shall continue to be for the term of the Agreement, a validly existing legal entity with full power to fulfill its obligations under the Agreement;
- (b) it has, and shall continue to have for the term of the Agreement, the experience and expertise necessary to carry out the Project;

- (c) any information the Recipient provided to NOHFC contained in its application and in support of its application (including information relating to any eligibility requirements) was true and complete at the time the Recipient provided it, and shall continue to be true and complete for the term of the Agreement in every respect, except as set out to the contrary in the Agreement; and
- (d) no Conflict of Interest exists.

2.2 Execution of Agreement. The Recipient represents and warrants that:

- (a) it has the full power and authority to enter into the Agreement; and
- (b) it has taken all necessary actions to authorize the execution of the Agreement.

2.3 Governance. The Recipient represents, warrants and covenants that it has, and shall maintain for the period during which the Agreement is in effect, by-laws or other legally necessary instruments to:

- (a) establish procedures to ensure the ongoing effective functioning of the Recipient;
- (b) establish decision-making mechanisms;
- (c) provide for the prudent and effective management of the Funds;
- (d) establish procedures to enable the successful completion of the Project;
- (e) establish procedures to enable the timely identification of risks to the completion of the Project and strategies to address the identified risks;
- (f) establish procedures to enable the preparation and delivery of all Reports required pursuant to Article 8; and
- (g) deal with such other matters as the Recipient considers necessary to ensure that the Recipient carries out its obligations under the Agreement.

2.4 Supporting documentation. Upon request, the Recipient shall provide NOHFC with proof of the matters referred to in this Article 2.

ARTICLE 3 TERM OF THE AGREEMENT, USE OF FUNDS AND PROJECT

3.1 Term. The term of the Agreement shall commence on the Effective Date and shall expire after the occurrence of all of the following unless terminated earlier pursuant to Article 13 or Article 14:

- (a) the completion of the Project in accordance with the terms and conditions of the Agreement; and
- (b) the receipt by NOHFC of all Reports required under this Agreement satisfactory to NOHFC.

3.2 Project and use of Funds. The Recipient shall:

- (a) carry out the Project;
 - (i) in accordance with the terms and conditions of the Agreement; and
 - (ii) in compliance with all federal and provincial laws and regulations, all municipal by-laws, and other orders, rules, by-laws, and industry standards applicable to any aspect of the Project;
- (b) at its own expense, obtain all permits, licences, approvals and authorizations required to complete the Project and satisfy the terms and conditions of the Agreement;
- (c) use the Funds only for the purpose of carrying out the Project; and
- (d) spend the Funds only in accordance with the Project Budget.

**ARTICLE 4
CHANGES**

4.1 No changes. The Recipient shall:

- (a) not make any changes to the Project and/or the Project Budget without the prior written consent of NOHFC, which consent may be conditional on recovery of the Funds provided to the Recipient;
- (b) abide by the terms and conditions NOHFC may require in giving such consent.

4.2 Notification. The Recipient shall notify NOHFC promptly if it becomes aware of:

- (a) any actual or potential material changes to the Project and/or Project Budget; and
- (b) any event that may affect the Recipient's ability to complete the Project in accordance with the Agreement.

**ARTICLE 5
FUNDS, PAYMENT AND CARRYING OUT THE PROJECT**

5.1 Obligation to fund.

- (a) Subject to the terms and conditions of the Agreement, NOHFC shall reimburse the Recipient for Eligible Project Costs paid by the Recipient up to the amount of the Maximum Funds.
- (b) NOHFC is not responsible for any cost overruns related to the Project. The Recipient shall provide its own funds or funds from other sources for all Eligible Project Costs not reimbursed by NOHFC in the Project Costs Chart and all Ineligible Project Costs. The Recipient is responsible for all costs that exceed the Eligible Project Costs set out in the Project Costs Chart.

5.2 **Payment of Funds.**

- (a) Subject to the terms and conditions of the Agreement, NOHFC shall:
 - (i) provide the Funds to the Recipient in accordance with the NOHFC Claim Schedule;
 - (ii) issue a cheque in the Recipient's name or deposit the Funds electronically into an account designated by the Recipient in writing, provided that the account resides at a Canadian financial institution and is in the name of the Recipient.
- (b) To initiate reimbursement of Eligible Project Costs by NOHFC, the Recipient shall submit the following to NOHFC:
 - (i) a completed Request for Funds; and
 - (ii) copies of all invoices or such other evidence satisfactory to NOHFC or its agents, in their sole discretion, of costs incurred relating to the Eligible Project Costs claimed in the submitted Request for Funds and copies of cancelled cheques and/or such other evidence satisfactory to NOHFC or its agents, in their sole discretion, of payment of the Eligible Project Costs claimed.

5.3. **Limitations on funding.**

- (a) If the total Eligible Project Costs paid by the Recipient are less than the estimated Eligible Project Costs set out in the Project Costs Chart, NOHFC may, in its sole discretion:
 - (i) vary the amount of Eligible Project Costs that it reimburses; and
 - (ii) where applicable, demand the repayment of the Excess Funds Amount, whereupon the amount demanded by NOHFC shall immediately become due and payable.
- (b) Following receipt of the items specified in section 5.2(b), in each Quarter, NOHFC agrees to pay to the Recipient an amount equal to the Project Percentage of Eligible Project Costs claimed in each request for Funds up to the amount payable for each Quarter set out in the NOHFC Claim Schedule.
- (c) In the event the Recipient:
 - (i) wishes to amend the NOHFC Claim Schedule by an amount equal to or greater than \$100,000;
 - (ii) wishes to transfer amounts between cost categories in the Project Costs Chart; and/or
 - (iii) does not claim reimbursement of any Eligible Project Costs by NOHFC in any Quarter where the amount of the NOHFC Claim for that Quarter as set out in the NOHFC Claim Schedule exceeds \$100,000,

the Recipient shall complete the appropriate section(s) of the Change Request Form as set out in Schedule “F” and submit it to NOHFC. NOHFC may approve or reject all or part of any such change request in its sole discretion. In the event NOHFC signs a Change Request Form, this Agreement shall be amended accordingly.

- (d) NOHFC shall hold back 10% of \$148,500, to be released only after all of the following have occurred:
 - (i) completion of the Project in accordance with the Agreement;
 - (ii) receipt by NOHFC of all Reports required under the Agreement; and
 - (iii) receipt by NOHFC of the final Request for Funds for the Project.
- (e) The Recipient shall not use the Funds for any Eligible Project Costs for which the Recipient is in receipt of funds from other sources. The Recipient shall promptly notify NOHFC if any other funds are received for the Project from sources other than those set out in the Project Funding Chart or in amounts from the sources set out in the Project Funding Chart that are greater than the amounts set out in the Project Funding Chart. If the Recipient receives funds for the Project from sources that are not listed in the Project Funding Chart or in amounts from the sources set out in the Project Funding Chart that are greater than the amounts set out in the Project Funding Chart, in its sole discretion, NOHFC may reduce the amount of the Funds it provides to the Recipient by, or demand the repayment of, an amount equal to the additional funds, whereupon the amount demanded by NOHFC shall immediately become due and payable, to ensure that there is no duplication of funding for the Project.
- (f) NOHFC may, in its sole discretion, provide Funds to the Recipient in advance of the Recipient incurring Eligible Project Costs. If NOHFC provides Funds to the Recipient in advance, NOHFC will not make any further payments of Funds until the Recipient has submitted, in respect of the Recipient’s spending of such advance on Eligible Project Costs, evidence satisfactory to NOHFC that the Funds advanced have been spent solely on Eligible Project Costs.
- (g) The Recipient acknowledges that the amount of Funds available to it pursuant to the Agreement is based on the net costs to the Recipient, net of any costs (including taxes) for which the Recipient has received, will receive, or is eligible to receive, a rebate, credit or refund.

5.4. **Conditions of funding.** NOHFC’s obligation to provide Funds to the Recipient is subject to fulfillment of the following conditions precedent to NOHFC’s satisfaction:

- (a) the Recipient shall have provided the insurance certificate(s) or other documents provided for in Article 12;
- (b) the Recipient shall have provided written evidence satisfactory to NOHFC that the funds from other sources set out in the Project Funding Chart necessary to complete the Project have been committed;

- (c) NOHFC shall have received and been satisfied with the information provided by the Recipient pursuant to Article 8. If NOHFC is not satisfied with such information, it may adjust the amount of Funds it provides to the Recipient in any Quarter;
- (d) NOHFC shall have received and been satisfied with any information it may reasonably require to conduct a due diligence review of the Recipient and the Project; and
- (e) NOHFC shall have received a completed electronic funds transfer information form which will enable NOHFC to deposit the Funds into the Recipient's designated bank account by way of electronic funds transfer.

ARTICLE 6 ACQUISITION OF GOODS AND SERVICES; DISPOSAL OF ASSETS AND OWNERSHIP OF BUILDINGS AND FACILITIES

- 6.1 **Acquisition of supplies, equipment or services.** If the Recipient acquires supplies, equipment or services with the Funds it shall do so through a process that promotes the best value for money. If the Recipient is selecting third-party contractors from which to acquire supplies, equipment or services for the Project for an amount greater than \$25,000 a competitive process must be used, including a written request for at least three proposals, written evaluation of bids received and a written agreement with the successful contractor. NOHFC may, at its sole discretion, consent in writing to a non-competitive procurement over \$25,000 if details of urgency, special expertise, confidentiality, savings or other circumstances warrant it.
- 6.2 **Movement and Disposal of assets.** The Recipient shall not, without NOHFC's prior written consent and subject to the following Section 6.3, during the period from the Effective Date to the date that is three years after the project completion date set out in Section 3 of Schedule "C", sell, lease or otherwise dispose of, or store or move to any location outside of Northern Ontario, any assets purchased with the Funds or for which Funds were provided, the cost of which exceeded \$10,000 at the time of purchase. This obligation shall survive the expiry or termination of the Agreement.
- 6.3 **Buildings and Facilities.** Unless NOHFC otherwise agrees in writing, the Recipient shall own or lease all buildings, facilities or land purchased, constructed or improved with the Funds during the period from the Effective Date to the date that is three years after the project completion date set out in Section 3 of Schedule "C". This obligation shall survive the expiry or termination of the Agreement.

ARTICLE 7 CONFLICT OF INTEREST

- 7.1 **No Conflict of Interest.** The Recipient shall carry out the Project and use the Funds in a manner that avoids any Conflict of Interest.
- 7.2 **Conflict of Interest includes.** For the purposes of this Agreement, a Conflict of Interest includes:

- (a) in relation to the process of applying for Funds, any circumstance where the Recipient has or could be perceived to have an unfair advantage or engages in conduct, directly or indirectly, that may give it an unfair advantage over other applicants; and
- (b) in relation to the performance of its obligations under the Agreement, any circumstances where the Recipient (or any person who has the capacity to influence the Recipient's decisions) has outside commitments, relationships or financial interests that interfere with, or could, or could be seen to interfere with, the Recipient's objective, unbiased and impartial judgment relating to the Project and the use of the Funds.

7.3 Disclosure to NOHFC. The Recipient shall:

- (a) disclose to NOHFC without delay any circumstances that a reasonable person would interpret as being a Conflict of Interest; and
- (b) comply with any terms and conditions that NOHFC may reasonably prescribe as a result of such disclosure.

ARTICLE 8 REPORTING, ACCOUNTING AND REVIEW

8.1 Preparation and submission. The Recipient shall:

- (a) submit to NOHFC at the address provided in section 18.1, all Reports using the appropriate form of report set out in Schedule "E" in accordance with the timelines and content requirements set out in the Reports Schedule in Schedule "E", or in a form as specified by NOHFC from time to time;
- (b) submit to NOHFC at the address provided in section 18.1, any other Reports requested by NOHFC in accordance with the timelines and content requirements specified by NOHFC;
- (c) ensure that all Reports are completed to the satisfaction of NOHFC; and
- (d) ensure that all Reports are signed on behalf of the Recipient by an authorized signing officer.

8.2 Record maintenance. The Recipient shall keep and maintain for a period of seven years after the expiry or termination of the Agreement:

- (a) all financial records (including invoices) relating to the Funds or otherwise to the Project in a manner consistent with generally accepted accounting principles; and
- (b) all non-financial documents and records relating to the Funds or otherwise to the Project.

8.3 Inspection. NOHFC, its authorized representatives or an independent auditor identified by NOHFC may, at its own expense, upon 24 hours' Notice to the Recipient and during normal business hours, enter upon the Recipient's premises to review the progress of the Project and the Recipient's expenditure of the Funds, and for these purposes NOHFC, its authorized representatives or an independent auditor identified by NOHFC, may:

- (a) inspect and copy the records and documents referred to in section 8.2; and
 - (b) conduct an audit or investigation of the Recipient in respect of the expenditure of the Funds and/or Project.
- 8.4 **Disclosure.** To assist in respect of the rights set out in section 8.3, the Recipient shall disclose any information reasonably requested by NOHFC, its authorized representatives or an independent auditor identified by NOHFC, and shall do so in a form reasonably requested by NOHFC, its authorized representatives or an independent auditor identified by NOHFC, as the case may be.
- 8.5 **No control of Records.** No provision of the Agreement shall be construed so as to give NOHFC any control whatsoever over the Recipient's records.
- 8.6 **Auditor General.** For greater certainty, NOHFC's rights under this Article are in addition to any rights provided to the Auditor General pursuant to the *Auditor General Act* (Ontario).
- 8.7 **Audit report.** If NOHFC or the Auditor General believes that there are inaccuracies in, or inconsistencies between, any Request for Funds submitted to NOHFC and the Recipient's financial records and books of account, NOHFC or the Auditor General may request and the Recipient must provide at its own expense an audit report from a public accountant licensed under the laws of Ontario. The audit report must be satisfactory to NOHFC in form and content and address:
- (a) Funds received to date;
 - (b) Eligible Project Costs incurred by the Recipient to date;
 - (c) whether the Eligible Project Costs were incurred in accordance with the Project and the Agreement; and
 - (d) any other financial information pertaining to the Agreement as may be reasonably specified in the request.

ARTICLE 9 CREDIT

- 9.1 **Acknowledge support.** Unless otherwise directed by NOHFC, the Recipient shall, in a form approved by NOHFC, acknowledge the support of NOHFC in any publication of any kind, written or oral, relating to the Project.
- 9.2 **Publication.** If the Recipient publishes any material of any kind, written or oral, relating to the Project, the Recipient shall indicate in the material that the views expressed in the material are the views of the Recipient and do not necessarily reflect those of NOHFC or the government of Ontario.
- 9.3 **Signage.** At NOHFC's request, the Recipient shall install and maintain in good condition one or more signs or plaques supplied by NOHFC to acknowledge NOHFC's support for the Project in conspicuous and visually unobstructed locations near the Project as approved by NOHFC.

ARTICLE 10
FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY

- 10.1 **FIPPA.** The Recipient acknowledges that NOHFC is bound by the *Freedom of Information and Protection of Privacy Act* (Ontario), as amended from time to time, and that any information provided to NOHFC in connection with the Project or otherwise in connection with the Agreement is subject to disclosure in accordance with that Act.

ARTICLE 11
INDEMNITY

- 11.1 **Indemnification.** The Recipient hereby agrees to indemnify and hold harmless the Indemnified Parties from and against any and all liability, losses, costs, damages and expenses (including legal, expert and consultant fees), causes of action, actions, claims, demands, lawsuits or other proceedings, by whomever made, sustained, incurred, brought or prosecuted, in any way arising out of or in connection with the Project or otherwise in connection with the Agreement.

ARTICLE 12
INSURANCE

- 12.1 **Recipient's insurance.** The Recipient represents and warrants that it has, and shall maintain for the term of the Agreement, at its own cost and expense, with insurers having a secure A.M. Best rating of B+ or greater, or the equivalent, all the necessary and appropriate insurance that a prudent person carrying out a project similar to the Project would maintain, including commercial general liability insurance on an occurrence basis for third party bodily injury, personal injury and property damage, to an inclusive limit of not less than \$2,000,000 per occurrence. The policy shall include the following:
- (i) Northern Ontario Heritage Fund Corporation and each of its directors, officers, agents, advisors, and representatives as additional insureds with respect to liability arising in the course of performance of the Recipient's obligations under, or otherwise in connection with, the Agreement;
 - (ii) a cross-liability clause;
 - (iii) contractual liability coverage; and
 - (iv) a 30 day written notice of cancellation.
- 12.2 **Proof of insurance.** The Recipient shall provide NOHFC with certificates of insurance, or other proof as may be requested by NOHFC, that confirms the insurance coverage as provided for in section 12.1. Upon the request of NOHFC, the Recipient shall make available to NOHFC a copy of each insurance policy.
- 12.3 **Compliance with Recipient's insurance.** The Recipient shall comply with all provisions and requirements of any of the Recipient's insurance policies applicable to the Project.

- 12.4 **Third party insurance.** The Recipient shall ensure that any third party sources of funds for the Project and subcontractors retained to perform any part or parts of the Project shall have adequate insurance in place that is appropriate to the Project risks and to the third party.

ARTICLE 13 TERMINATION ON NOTICE

- 13.1 **Termination on Notice.** NOHFC may terminate the Agreement at any time upon giving at least 30 days' Notice to the Recipient.
- 13.2 **Consequences of Termination.** If NOHFC terminates the Agreement pursuant to section 13.1, NOHFC:
- (a) shall have no further obligation to make any payment of Funds;
 - (b) may demand the repayment of any Funds remaining in the possession or under the control of the Recipient, whereupon the amount demanded by NOHFC shall immediately become due and payable; and
 - (c) may determine the Recipient's reasonable Wind Down Costs, and either:
 - (i) permit the Recipient to offset the Wind Down Costs against the amount owing pursuant to subsection 13.2(b); and/or
 - (ii) subject to section 5.3(g) provide Funds to the Recipient to cover the Wind Down Costs.

ARTICLE 14 EVENT OF DEFAULT AND CORRECTIVE ACTION

- 14.1 **Events of Default.** Each of the following events shall constitute an Event of Default:
- (a) if in the opinion of NOHFC, the Recipient has knowingly provided false or misleading information regarding its request for funding or in any communication with NOHFC;
 - (b) if any representation or warranty provided to NOHFC (herein or otherwise) by the Recipient is incorrect in any material respect on the date on which such representation or warranty was made;
 - (c) if in the opinion of NOHFC, the Recipient breaches any term or condition of the Agreement, including failing to do any of the following in accordance with the terms and conditions of the Agreement without the prior written consent of NOHFC:
 - (i) carry out and complete the Project by the Project completion date specified in Schedule "C";
 - (ii) complete the milestones set out in the Project Plan in accordance with the timing set out in the Project Plan;
 - (iii) use or spend Funds; and/or

- (iv) provide Reports;
- (d) the nature of the Recipient's operations or its corporate status changes so that it no longer meets one or more of the applicable eligibility requirements of the program under which NOHFC provides the Funds;
- (e) the Recipient makes an assignment, proposal, compromise, or arrangement for the benefit of creditors, or is petitioned into bankruptcy, or files for the appointment of a receiver;
- (f) if any bankruptcy, reorganization, arrangement or insolvency proceedings for relief under any bankruptcy or similar laws for the relief of debtors is instituted against the Recipient or is consented to by the Recipient, or, if contested by the Recipient, is not dismissed within 30 days;
- (g) the Recipient ceases to operate; or
- (h) a Conflict of Interest that cannot be resolved to NOHFC's satisfaction, acting reasonably.

14.2 **Corrective action.** If an Event of Default occurs, NOHFC may, at any time, take one or more of the following actions:

- (a) initiate any action NOHFC considers necessary in order to facilitate the successful continuation or completion of the Project;
- (b) suspend the payment of Funds for such period as NOHFC determines appropriate;
- (c) reduce the amount of the Funds;
- (d) cancel all further payment of Funds;
- (e) demand the repayment of any Funds remaining in the possession or under the control of the Recipient, whereupon the amount demanded by NOHFC shall immediately become due and payable;
- (f) demand the repayment of an amount equal to any Funds the Recipient used for purposes not agreed upon by NOHFC, whereupon the amount demanded by NOHFC shall immediately become due and payable;
- (g) demand the repayment of an amount equal to any Funds NOHFC provided to the Recipient, whereupon the amount demanded by NOHFC shall immediately become due and payable;
- (h) terminate the Agreement immediately upon giving Notice to the Recipient; and/or
- (i) exercise any other rights or remedies available to NOHFC under this Agreement or applicable law.

14.3 **Opportunity to remedy.** In addition to its rights provided for in section 14.2, NOHFC may provide the Recipient an opportunity to remedy the Event of Default by providing Notice to the Recipient:

- (a) of the particulars of the Event of Default; and
- (b) of the period of time within which the Recipient is required to remedy the Event of Default.

14.4 **Recipient not remedying.** If NOHFC has provided the Recipient with an opportunity to remedy the Event of Default pursuant to section 14.3 and:

- (a) the Recipient does not remedy the Event of Default within the time period specified in the Notice;
- (b) NOHFC determines in its sole discretion that the Recipient cannot completely remedy the Event of Default within the time period specified in the Notice or such further period of time as NOHFC considers reasonable; or
- (c) the Recipient is not proceeding to remedy the Event of Default in a way that is satisfactory to NOHFC,

NOHFC may initiate any one or more of the actions provided for in sections 14.2 (a), (d), (e), (f), (g), (h) and (i).

14.5 **Termination date.** The effective date of any termination under this Article shall be the last day of the Notice period, the last day of any subsequent Notice period or immediately, whichever applies.

ARTICLE 15

PAYMENT BY NOHFC OF AMOUNTS OWING BY RECIPIENT

15.1 **Amounts owing by Recipient and subcontractors.** The Recipient covenants and agrees to pay when due, and to ensure that any of its subcontractors pays when due, all amounts required to be paid by it/its subcontractors to complete the Project in accordance with the Agreement.

15.2 **NOHFC's right to pay amounts due and unpaid by Recipient or subcontractors.** In the event the Recipient or any of its subcontractors fails to pay when due, all amounts required to be paid by it/its subcontractors to complete the Project in accordance with the Agreement, NOHFC shall have the right, but for greater certainty, no obligation, in addition to and not in substitution for any other right it may have pursuant to the Agreement or otherwise at law or in equity, to pay any amount due and unpaid by the Recipient or its subcontractors and to deduct such amount from any amount due and owing from time to time to the Recipient pursuant to the Agreement together with all costs incurred by NOHFC in connection therewith or to demand the repayment of such amount from the Recipient together with all costs incurred by NOHFC in connection therewith.

ARTICLE 16
COMPLIANCE WITH AGREEMENT AND LAWS

- 16.1 **Compliance with Agreement.** The Recipient shall take all reasonable measures to ensure that its officers, directors, partners, employees, agents, contractors, subcontractors and volunteers are bound to observe the provisions of the Agreement. In all contracts relating to the Project, the Recipient shall include terms and conditions similar to and not less favourable to NOHFC than the terms and conditions of the Agreement to the extent that they are applicable to the subject of the contract.
- 16.2 **Compliance with Laws and Standards.** The Recipient shall take all reasonable measures to ensure that its officers, directors, partners, employees, agents, contractors, subcontractors and volunteers, if any, at all times comply with any and all applicable federal, provincial and municipal laws, ordinances, statutes, rules, regulations and orders. The Recipient shall obtain, at its own expense, all permits from public authorities which may be required in connection with the performance of this Agreement.

ARTICLE 17
REPAYMENT AND SET OFF

- 17.1 **Debt due.** If the Recipient owes any monies, including any Funds, to NOHFC, whether or not their return or repayment has been demanded by NOHFC, such monies shall be deemed to be a debt due and owing to NOHFC by the Recipient, and the Recipient shall pay or return the amount to NOHFC immediately unless NOHFC directs otherwise.
- 17.2 **Interest rate.** NOHFC may charge the Recipient interest on any monies owing by the Recipient at the then current interest rate charged by the Province of Ontario on accounts receivable.
- 17.3 **Set off.** If the Recipient is indebted to NOHFC under this or any other agreement between them, NOHFC shall have the right to set off the amount of such indebtedness against the amount of Funds owing to the Recipient under this Agreement and to reduce the total amount of Funds payable to the Recipient by such amount.
- 17.4 **Cheque payable to.** The Recipient shall pay any monies owing to NOHFC by cheque payable to the "Northern Ontario Heritage Fund Corporation" and mailed to NOHFC at the address provided in section 18.1.

ARTICLE 18
NOTICE

- 18.1 **Notice in writing and delivered.** Notice shall be in writing and shall be delivered by personal delivery or courier, mailed by registered mail, or sent by fax or email, and shall be addressed to the Parties respectively as follows, or as either Party later designates to the other by Notice.

To NOHFC:

Northern Ontario Heritage Fund
Corporation
70 Foster Drive, Suite 200

To the Recipient:

Town of Fort Frances
320 Portage Avenue, Fort Frances ON
P9A 3P9

Sault Ste. Marie, Ontario P6A 6V8

Attention: Travis Rob, Manager of
Operations and Facilities

Attention: Executive Director

Fax: N/A

Fax: 705-945-6701

Email: trob@fortfrances.ca

E-mail:

NOHFC.FinancialServicesUnit@ontario.ca

- 18.2 **Notice given.** Any Notice given by personal delivery, registered mail or courier shall be deemed to have been given and received on the day of actual delivery thereof or if such day is not a Business Day, on the first Business Day thereafter. Any Notice given by fax or email on a Business Day before 4:00 p.m. shall be deemed to have been given and received on such Business Day, and otherwise shall be deemed to have been given and received on the first Business Day following sending.
- 18.3 **Postal disruption.** Despite section 18.2, following the occurrence and during the continuation of a postal disruption,
- (a) Notice by registered mail shall not be deemed to be given or received; and
 - (b) the Party giving Notice shall give Notice by email, personal delivery, courier, or fax.

ARTICLE 19 SEVERABILITY OF PROVISIONS

- 19.1 **Invalidity or unenforceability of any provision.** The invalidity or unenforceability of any provision of the Agreement shall not affect the validity or enforceability of any other provision of the Agreement. Any invalid or unenforceable provision shall be deemed to be severed.

ARTICLE 20 WAIVER

- 20.1 **Waivers in Writing.** If a Party fails to comply with any term of the Agreement, that Party may only rely on a waiver of the other Party if the other Party has provided a written waiver in accordance with the Notice provisions in Article 18. Any waiver must refer to a specific failure to comply and shall not have the effect of waiving any subsequent failures to comply.

ARTICLE 21 INDEPENDENT PARTIES

- 21.1 **Parties independent.** The Recipient acknowledges that it is not an agent, joint venturer, partner or employee of NOHFC or any Indemnified Party and the Recipient shall not take any actions that could establish or imply such a relationship.

ARTICLE 22 ASSIGNMENT OF AGREEMENT OR FUNDS

- 22.1 **No assignment.** The Recipient shall not assign any part of the Agreement or the Funds without the prior written consent of NOHFC which NOHFC may, in its sole discretion, provide or withhold.

- 22.2 **Enurement.** The Agreement shall enure to the benefit of and be binding upon the Parties and their respective heirs, executors, administrators, successors and permitted assigns.

ARTICLE 23 GOVERNING LAW

- 23.1 **Governing law.** The Agreement and the rights, obligations and relations of the Parties shall be governed by and construed in accordance with the laws of the Province of Ontario and the applicable federal laws of Canada. Any actions or proceedings arising in connection with the Agreement shall be conducted in Ontario.

ARTICLE 24 FURTHER ASSURANCES

- 24.1 **Agreement into effect.** The Parties shall do or cause to be done all acts or things necessary to implement and carry into effect the terms and conditions of the Agreement to its full extent.

ARTICLE 25 SURVIVAL

- 25.1 **Survival.** The provisions in Article 1; section 3.2; section 5.1; section 5.2; sections 5.3(a), (d), (e) and (g); Article 8; Article 9; Article 10; Article 11; sections 14.1, 14.2(e), (f), (g) and (i); Article 15; Article 16; Article 17; Article 18; Article 21; Article 23; Article 24; Article 25; Article 26; Schedule "A", Schedule "B" and Schedule "C" shall continue in full force and effect for a period of seven years from the date of expiry or termination of the Agreement.

ARTICLE 26 SCHEDULES

- 26.1 **Schedules.** The Agreement includes the following schedules:

- (a) Schedule A - Project Description;
- (b) Schedule B – Project Budget;
- (c) Schedule C – Project Plan and NOHFC Claim Schedule;
- (d) Schedule D – Request for Funds;
- (e) Schedule E - Reports; and
- (f) Schedule F – Change Request Form.

ARTICLE 27 ENTIRE AGREEMENT AND MODIFICATION OF AGREEMENT

- 27.1 **Entire Agreement.** The Agreement constitutes the entire agreement between the Parties with respect to the subject matter contained in the Agreement and supersedes all prior oral or written representations and agreements.

- 27.2 **Modification of Agreement.** The Agreement may only be amended by a written agreement duly executed by the Parties. If the Recipient wishes to amend the Agreement, the Recipient will complete the appropriate sections of the Change Request Form as set out in Schedule “F” and submit it to NOHFC. NOHFC is under no obligation to consider Change Request Forms submitted after this date. NOHFC may approve or reject all or part of any such change request in its sole discretion and may require the Recipient to enter into a separate amending agreement. In the event NOHFC signs a Change Request Form, this Agreement will be amended accordingly.

ARTICLE 28 BPSAA

- 28.1 **BPSAA.** For the purposes of clarity, if the Recipient is subject to the BPSAA and in the event that there is a conflict between any of the requirements of the Agreement and the requirements of the BPSAA, the BPSAA shall prevail.

ARTICLE 29 FAILURE TO COMPLY WITH OTHER AGREEMENTS

- 29.1 **Other Agreements.** If the Recipient:
- (a) has failed to comply (a “**Failure**”) with any term, condition or obligation under any other agreement with NOHFC;
 - (b) has been provided with notice of such Failure in accordance with the requirements of such other agreement;
 - (c) has, if applicable, failed to rectify such Failure in accordance with the requirements of such other agreement; and
 - (d) such Failure is continuing,

NOHFC may suspend the payment of Funds for such period as NOHFC determines appropriate.

ARTICLE 30 SIGNATURE

- 30.1 **Counterparts.** This Agreement may be executed in any number of counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
- 30.2 **Execution by Electronic Means.** This Agreement may be executed by electronic signature and delivered by facsimile or e-mail transmission, which shall be considered as an original signature for all purposes and shall have the same force and effect as an original signature. The words “execution,” “signed,” “signature,” and similar words in this Agreement shall be deemed to include electronic signatures or the keeping of records in electronic form, each of which shall be of the same legal effect, validity and enforceability as a manually executed signature.

**ARTICLE 31
TIME IS OF THE ESSENCE**

31.1 **Time is of the essence.** Time is of the essence in the performance of obligations under the Agreement.

[Signature page follows]

The Parties have executed the Agreement on the dates set out below.

**NORTHERN ONTARIO HERITAGE FUND
CORPORATION**

John Guerard
Executive Director (A)

Date

CORPORATION OF THE TOWN OF FORT FRANCES

Name:
Position:

Date

Name:
Position:

Date

I/We have authority to bind the Recipient.

SCHEDULE “A”

PROJECT DESCRIPTION

1. Project summary

The Recipient will cause the renovation of its municipal airport infrastructure, including:

- Replacement of the terminal roof;
- Replacement of 2 fuel oil furnaces with propane furnaces;
- Replacement of runway end indication lighting foundations;
- Replacement of terminal flooring; and
- Addition of a paved apron access with automatic gate for access by land ambulances to aircraft for medivac services.

2. Project purpose

The renovations will allow the Recipient's airport to maintain or improve its services, including Medivac, and operate with increased capacity and efficiency.

3. Project location

Fort Frances, ON

SCHEDULE "B"
PROJECT BUDGET

1. Project Costs Chart

<i>Project cost category</i>	<i>Eligible Project Costs</i>	<i>Ineligible Project Costs</i>	<i>Total cost</i>
Construction / Renovation	\$198,000	\$0	\$198,000
TOTAL	\$198,000	\$0	\$198,000

2. Project Funding Chart

<i>Funding sources</i>	<i>Financing type</i>	<i>Project cost category</i>	<i>Eligible Project Costs</i>	<i>Ineligible Project Costs</i>	<i>Total funding</i>
NOHFC	Conditional contribution	Eligible Project Costs	\$148,500	\$0	\$148,500
Recipient	Own Resources	All Costs	\$49,500	\$0	\$49,500
TOTAL			\$198,000	\$0	\$198,000
NOHFC % of total Eligible Project Costs			75%		

SCHEDULE "C"

PROJECT PLAN AND NOHFC CLAIM SCHEDULE

(To be completed by the Recipient)

1. Project Plan

<i>Project milestones</i>	<i>Timing</i>	
	<i>Start (month/ year)</i>	<i>End (month/ year)</i>

2. NOHFC Claim Schedule

	<i>Funding Year 1 (ending Mar 31/20__)</i>				<i>Funding Year 2 (ending Mar 31/20__)</i>				
	<i>Apr 1- Jun 30</i>	<i>Jul 1- Sep 30</i>	<i>Oct 1- Dec 31</i>	<i>Jan 1- Mar 31</i>	<i>Apr 1- Jun 30</i>	<i>Jul 1- Sep 30</i>	<i>Oct 1- Dec 31</i>	<i>Jan 1- Mar 31</i>	<i>Total</i>
Eligible Project Costs									
NOHFC claim									

3. Project completion date: _____

SCHEDULE "D"

REQUEST FOR FUNDS FORM

Claim Number:

1. **Project Progress**

<i>Project milestones</i>	<i>% Complete</i>	<i>Comments</i>
TOTAL		

2. **Is this the Recipient's final request for Funds for the Project?**

☐

No

☐

Yes

3. **Request for Funds (Current Claim)**

NOHFC Funds are disbursed on a reimbursement basis. To initiate reimbursement of Eligible Project Costs by NOHFC, the Recipient shall complete the request for Funds form and submit it to NOHFC along with the following:

- (a) a copy of all invoices, or such other evidence satisfactory to NOHFC or its agents, in their sole discretion, of costs incurred itemized in the *Detailed Listing of Transactions* table in section 5 of this form relating to all Eligible Project Costs claimed in this request for Funds; and
- (b) evidence of payment itemized in the *Detailed Listing of Transactions* table in section 5 of this form relating to all Eligible Project Costs claimed in this request for Funds (cancelled cheques and/or other such evidence satisfactory to NOHFC or its agents, in their sole discretion).

(Request for Funds Form continued on following pages. Please fill out all pages.)

SCHEDULE "D" (CONT'D)

REQUEST FOR FUNDS FORM

4. Eligible Project Costs - Claim status

Please complete this table below in conjunction with the tables in section 5 of this form.
Only the subtotals from the tables completed in section 5 should be identified in the "Total Eligible Project Costs this request" column of the table below.

Eligible Project Cost category	Total Eligible Project Cost amount	Total Eligible Project Costs of all claims submitted to date (not including this request)	Eligible Project Costs this request	Balance of Eligible Project Costs remaining (after this request)	Table no. if applicable (from section 5 of this form)
Construction / Renovation	\$198,000				
TOTAL	\$198,000				
NOHFC Funds (75%)					

Total Eligible Project Costs this request: \$ _____ (A)

NOHFC % of Eligible Project Costs 75% (B)

Current Payment Request: \$ _____ (C)
(A x B)

(Request for Funds Form continued on following pages. Please fill out all pages.)

SCHEDULE "D" (CONT'D)

REQUEST FOR FUNDS FORM

5. Detailed Listing of Transactions for each Eligible Project Cost category

Please complete one table for each of the Eligible Project Cost categories (in section 4 of this form) for which a claim is currently being made.

Table 1: <Eligible Project Cost category: _____>

Item no.	Date of Invoice	Name of Supplier	Description of Item or Service Purchased	Invoice Number	Amount (net of all rebate(s), credit(s), or refund(s), where applicable)	Payment Reference (Cheque No.)
1						
2						
3						
				Subtotal		

Table 2: <Eligible Project Cost category: _____>

Item no.	Date of Invoice	Name of Supplier	Description of Item or Service Purchased	Invoice Number	Amount (net of all rebate(s), credit(s), or refund(s), where applicable)	Payment Reference (Cheque No.)
1						
2						
3						
				Subtotal		

(Request for Funds Form continued on following pages. Please fill out all pages.)

SCHEDULE "D" (CONT'D)
REQUEST FOR FUNDS FORM

6. Certification

Must be completed for all requests for Funds.

On behalf of the Recipient, I certify that:

1. the costs for which reimbursement is requested in line (A) above have been incurred and actually paid for by the Recipient;
2. the costs being claimed in this form are all Eligible Project Costs only (as that term is defined in the Agreement);
3. if the costs being claimed in this form are for supplies, equipment or services, the Recipient has acquired such supplies, equipment or services through a process that promotes the best value for money;
4. the representations and warranties set forth in the Agreement are true and correct in all material respects on the date set out below;
5. no Event of Default has occurred as of the date set out below; and
6. all of the Recipient's obligations to date, as set out in the Agreement, have been satisfied.

Signature: _____

Date: _____

Name of signatory: _____

Title: _____

I have authority to bind the Recipient.

SCHEDULE “E”

REPORTS

REPORTS SCHEDULE

Name of Report	Due Date(s)	Format and content requirements
1. Annual Report	Each anniversary of Effective Date	Form of Annual Report in Schedule “E”
2. Final Report	Attached to final Request for Funds completed and submitted to NOHFC	Form of Final Report in Schedule “E”

SCHEDULE "E" (CONT'D)

REPORTS

FORM OF ANNUAL REPORT

1. **Progress of Project:** Have the milestones/activities for this time period been completed? If so, please provide a detailed explanation of what they are and how they have been completed. If not, please provide a detailed explanation why, how this affects the Project in the future and how the Project will be brought back into compliance with the Project Plan.

2. **Financial information:** Have expenditures been in accordance with the Project Budget, the Project Plan and the NOHFC Claim Schedule? If so, please set out what the expected Eligible and Ineligible Project Costs for this time period were compare them with the actual Eligible and Ineligible Project Costs in a financial summary. If not, please provide the information requested above together with an explanation of why the expenditures do not match the expected Eligible and Ineligible Project Costs and how this may affect the Project in the future.

3. **Other performance measures:** Have the objectives of the Project been achieved to date? Please describe the economic activity that has resulted in a benefit to Northern Ontario to date (number of jobs created / sustained and Project contributor funding contributions).

Signature: _____

Date: _____

Name of signatory: _____

Title: _____

I have authority to bind the Recipient.

SCHEDULE "E" (CONT'D)

REPORTS

FORM OF FINAL REPORT

1. **Project Completion:** Have the milestones/activities as set out in this Agreement been completed? If so, please provide a detailed explanation of what they are and how they have been completed. If not, please provide a detailed explanation why and how this affected the overall Project.

2. **Financial information:** Have expenditures been in accordance with the Project Budget, the Project Plan and the NOHFC Claim Schedule? If so, please set out what the expected Eligible and Ineligible Project Costs were and compare them with the total actual Eligible and Ineligible Project Costs in a financial summary. If not, please provide the information requested above together with an explanation of why the expenditures did not match the expected Eligible and Ineligible Project Costs and how this affected the Project.

3. **Other performance measures:** Have the objectives of the Project as set out in this Agreement been achieved? Please describe the economic activity that has resulted in a benefit to Northern Ontario (actual number of jobs created / sustained and final Project contributor funding contributions). If the Project objectives were not achieved, please explain.

Signature: _____

Date: _____

Name of signatory: _____

Title: _____

I have authority to bind the Recipient.

SCHEDULE "F"

CHANGE REQUEST FORM

Please complete all appropriate sections (to be completed by Recipient)

1. ☐ Amendment to NOHFC Claim Schedule

(For a requested amendment of \$100,000 or more in any Quarter)

Indicate previous NOHFC Claim Schedule and the requested amended NOHFC Claim Schedule. Insert additional years, if required and provide the reasons for the requested amendment in the box below.

	Funding Year 1 (ending Mar 31/20)				
	Apr 1- Jun 30	Jul 1- Sep 30	Oct 1- Dec 31	Jan 1- Mar 31	Total
Previous					
New					

	Funding Year 2 (ending Mar 31/20)				
	Apr 1- Jun 30	Jul 1- Sep 30	Oct 1- Dec 31	Jan 1- Mar 31	Total
Previous					
New					

Reasons for requested amendment to NOHFC Claim Schedule:

2. ☐ Changes in Project Plan

(Complete where the Project milestones or their timing change)

Indicate previous Project milestones and timing, the requested amended milestones and/or timing and reasons for the requested amendment in the box below.

Project milestones		Timing			
		Start (month/ year)		End (month/ year)	
Previous	New	Previous	New	Previous	New

(Change Request Form continued on following page – please fill out all pages)

SCHEDULE "F" (CONT'D)
CHANGE REQUEST FORM

Reasons for requested amendment to the Project Plan:

3. ☐ Amendment to Project completion date
(Complete where an amendment to the Project completion date is requested.)

Indicate the previous Project completion date, the requested Project completion date and provide reasons for the requested amendment in the box below.

Current Project completion date: _____

Requested Project completion date: _____

Reasons for requested amendment to the Project completion date:

4. ☐ Transfer of costs between Project Cost Categories

Indicate the requested transfer of amounts between cost categories set out in the Project Costs Chart (or in most recent Change Request Form agreed to by NOHFC) and provide reasons for the requested amendment in the box below.

Project Cost Category	Total Project Costs	
	PREV.	NEW
TOTAL		

Reasons for requested transfer of amounts between Project cost categories:

(Change Request Form continued on following page – please fill out all pages)

SCHEDULE "F" (CONT'D)

CHANGE REQUEST FORM

5. ☐ Other amendments to the Agreement

Indicate other amendment(s) being requested and the reasons for the requested amendment(s):

6. *Acknowledgement*

The Recipient hereby requests the aforementioned amendment(s) to the Agreement and certifies that the information provided to support the request is accurate. The Agreement is accordingly amended upon execution of this form by NOHFC. All other terms and conditions of the Agreement remain in full force and effect.

CORPORATION OF THE TOWN OF FORT FRANCES

Date: _____

Print Name:

Position:

I have authority to bind the Recipient.

NORTHERN ONTARIO HERITAGE FUND CORPORATION

Date: _____

Name:

Position:

November 15, 2021

Report To: Mayor & Council

From: Travis Rob, P.Eng., Manager of Operations & Facilities

SUBJECT: October 2021 Drinking Water Systems Monthly Summary Report

Please find attached the October 2021 Summary Report on the drinking water systems, prepared by Greg Wiedenhoeft, Senior WTP Operator.

Your Administration recommends that Operations & Facilities Executive Committee accept the October 2021 report as presented.

Respectfully submitted,
Operations & Facilities Division

Travis Rob, P.Eng.
Manager of Operations & Facilities

Council approval of this report will accept the October 2021 report prior to it being made available to the general public.
--

c.c. – Craig Miller, P.Eng., Environmental Superintendent
Greg Wiedenhoeft, ORO, Senior WTP Operator

October 2021

**Monthly Summary Report
Water Systems**

**Prepared by: Greg Wiedenhoeft, ORO
Senior Water Treatment Plant Operator**

Dated: November 01, 2021

1) **Introduction:**

This report contains the major maintenance activities and operational events that occurred during the month of October 2021 at the Water Treatment Plant - Water Works # 220000978 and the Airport Groundwater Well Water Works No. 849N7DGE0 (Precedes Airport Groundwater Well Water Works No. 26002736). This information report has been prepared for Council to better understand how the water systems they own and operate are maintained monthly. Also, this report will assist Council as Directors of the Corporation in exercising its obligation to meet a reasonable Standard of Care as outlined in Section 19 of the Safe Drinking Water Act. The water treatment plant falls under the requirements of Ontario Regulation 170/03 – Drinking Water Systems.

The Airport Small Drinking Water System, System No. 849N7DGE0, was put into service August 01, 2017. The system falls under the requirements of Ontario Regulation 319/08 – Small Drinking Water Systems.

2) **Flow Data:**

Water Treatment Plant: See attached spreadsheet.

Airport Groundwater Well:

Estimated Daily Usage 0.198 m³

Estimated Monthly Usage 6.1 m³

3) **Microbiological (Health Related) Water Analysis - Main Water System No. 220000978:**

Water Treatment Plant (treated): 4 samples taken no adverse results

Water Treatment Plant (raw): 4 samples taken no adverse results

Water Distribution System: 16 samples taken where 25% of samples were tested for heterotrophic plate count (HPC) - no adverse results.

We take microbiological samples on a weekly basis, which includes 1 raw sample, 1 treated sample and 4 distribution samples. The 4 distribution samples are taken at different locations throughout the distribution system.

Water distribution samples taken at the following locations:

1. 218 Third St. E.	2. 900 Wright Ave.	3. 401 King's Hwy.	4. W. Tower
5. 943 Third St. E.	6. 835 McKenzie Ave.	7. 900 Wright Ave.	8. W. Tower
9. 715 Col. Rd. E.	10. 943 Third St. E.	11. 740 Sixth St. W.	12. W. Tower
13. 218 Third St. E.	14. 900 Wright Ave.	15. 401 King's Hwy.	16. W. Tower

4) Microbiological (Health Related) Water Analysis - Airport Groundwater Well No. 849N7DGE0:

New drinking water system put online August 01, 2017. No treatment required as the Airport groundwater tested negative for bacteria.

The Airport drinking water system is to be sampled and tested for bacteria once every three (3) months in accordance with Section 25 – Microbiological Sampling and Testing of the Small Drinking Water Systems Regulation, O. Reg. 319/08.

Water distribution sample taken September 21, 2021 – no adverse results.

5) Free Available Chlorine Residual (FAC) - Main Water System No. 220000978:

FAC residuals are taken at a minimum daily at both the Water Treatment Plant and within the Water Distribution System.

6) Free Available Chlorine Residual (FAC) - Airport Groundwater Well System No. 849N7DGE0:

New drinking water system put online August 01, 2017. No treatment required as the Airport groundwater well tested negative for bacteria.

7) Maintenance Activities at the WTP:

Oct 01st – Calibrated the distribution chlorine analyzer.
- Cleaned top and bottom tanks on the poly unit.
- Cleaned all 4 check valves on the poly unit.

Oct 04th - Calibrated the distribution chlorine analyzer.
- Changed out Cl2 tonner.

Oct 05th – Received 4 Cl2 tonners.
- Sent 4 Cl2 tonners back.

Oct 06th – Calibrated distribution chlorine analyzer.

Oct 07th - Cleaned top and bottom tanks on the poly unit.
- Cleaned all 4 check valves on the poly unit.
- Cleaned launders in Clarifier #1
- Calibrated the distribution chlorine analyzer.

Oct 09th - Calibrated the distribution chlorine analyzer.

Oct 10th – Changed out Soda ash transfer pump with refurbished pump.

Oct 12th – Cannect Electric started to replace overload switch in MCC for the backwash pump.

Oct 14th - Cannect Electric finished replacing overload switch in MCC for the backwash pump.

- Cleaned top and bottom tanks on the poly unit.
- Cleaned all 4 check valves on the poly unit.
- Calibrated the distribution chlorine analyzer.

Oct 27th -WayJax here doing annual load test on stand-by generator.

- Ran generator for 1 hour.

Oct. 21st – Adjusted effluent valve on filter # 3.

- Cleaned top and bottom tanks on the poly unit.
- Cleaned all 4 check valves on the poly unit.

Oct 22nd - Received 15 barrels of fluoride.

Oct 26th – Changed Soda Ash dust collector filters.

Oct 27th – Flushed and cleaned filter # 4 Turbidimeter lines.

- Took grab samples off filters.
- Flushed and cleaned fluoride analyzer line.
- Calibrated the fluoride analyzer.

Oct 28th – Calibrated fluoride analyzer.

- Cleaned top and bottom tanks on the poly unit.
- Cleaned all 4 check valves on the poly unit.

8) **Water Complaints:**

- Poor Pressure – 0 complaints.
- Water quality – 1 complaint.
- Mill (Portage Ave. Stores) **Colour and smell of water** – Water at Portage stores had a slight yellowish colour. The issue was due to a dead ended water main. River's Edge requested the water main be shut down so they could demolish one of the buildings in that area. Advised them to run the cold water and keep it running until the main was opened.

9) **Other Miscellaneous Information**

Oct 04th - Routine micro sample collection.

Oct 05th – Took micro samples on Wright Ave. Tie-in, 1st set.

Oct 06th – Took micro samples on Wright Ave. Tie-in, 2nd set.
- Took distribution Alkalinity and pH samples.

Oct 07th – Took micro samples on Keating Ave. lined main, 1st set.

Oct 12th - Routine micro sample collection.
- Took micro samples on Keating Ave. lined main, 2nd set.

Oct 18th - Routine micro sample collection.
- Took micro samples on Keating Ave. Tie-in, 1st set.

Oct 20th – Took T.S.S. and Total Cl₂ samples off Filter # 1.
- Took Landfill samples.

Oct 19th - Took micro samples on Keating Ave. Tie-in, 2nd set.

Oct 25th - Routine micro sample collection.

10) In order to acknowledge that all levels of responsibility within the Corporation of the Town of Fort Frances have received and reviewed this monthly report, it is necessary to sign-off in the appropriate location below:

- Greg Wiedenhoeft, Overall Responsible Operator: Greg Wiedenhoeft
- Craig Miller, P.Eng. Environmental Superintendent: Craig Miller
- Travis Rob, P.Eng. Manager of Operations & Facilities: Travis Rob
- Faisal Anwar, CAO: _____
- Rick Wiedenhoeft, Chair O & F Exec Committee: _____
- June Caul, Mayor: _____
- John McTaggart, Councillor: _____
- Mike Behan, Councillor: _____
- Wendy Brunetta, Councillor: _____
- Doug Judson, Councillor: _____
- Andrew Hallikas, Councillor: _____

Note: Once all signatures have been obtained, the report will be distributed and made available to the public. If you have any questions, please feel free to contact Craig Miller or Greg Wiedenhoeft at 807-274-2325.

Town of Fort Frances - Water treatment Plant - Water Works # 220000978
Monitoring Record
Oct-21

Operating Data	Units	*MAC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	Average
		or Range																																	
Flow rates																																			
Raw Water	1000 m³	17	5.73	5.48	5.36	5.70	5.34	5.60	5.29	5.18	5.07	5.15	5.23	5.56	5.19	5.20	5.18	5.13	5.22	5.16	5.16	5.18	5.18	5.18	5.07	5.22	5.23	4.95	5.17	5.19	5.15	5.04	5.21	162.70	5.25
Peak Instantaneous - Raw Water	l/s	n/a	65.39	65.43	65.42	65.74	65.57	65.49	65.49	65.58	60.71	60.64	60.76	60.69	61.06	60.74	60.79	60.75	60.57	60.51	60.66	60.48	60.54	60.55	60.49	60.51	60.41	60.41	60.42	60.53	60.66	60.51	60.42		61.87
Treated Water	1000 m³	17	3.40	3.32	3.00	3.17	3.37	3.31	3.49	3.39	3.16	3.52	2.75	3.81	3.03	3.37	2.86	3.32	3.08	3.14	3.11	3.38	3.05	3.22	2.74	3.08	3.45	3.21	3.41	2.90	3.11	2.95	2.82	98.92	3.19
Peak Instantaneous - Treated Water	l/s	n/a	63.00	62.71	62.54	63.09	63.78	63.01	65.11	64.57	63.68	63.87	62.71	63.68	62.82	62.81	63.26	62.71	65.90	62.24	62.70	64.18	64.46	62.91	62.76	61.85	62.59	63.43	63.26	73.02	62.78	61.83	62.14		63.53
BackWash Water	1000 m³	n/a	0.25	0.00	0.00	0.24	0.68	0.00	0.26	0.52	0.26	0.25	0.29	0.27	0.25	0.00	0.54	0.25	0.28	0.27	0.25	0.28	0.26	0.25	0.28	0.26	0.25	0.28	0.26	0.25	0.28	0.261	0.252	8.053	0.260
Fluoride Information																																			
Fluoride Residual - Treated Water	mg/l	0.5 to 0.8	0.57	0.61	0.61	0.52	0.61	0.51	0.60	0.60	0.59	0.59	0.59	0.52	0.57	0.57	0.59	0.58	0.58	0.59	0.58	0.57	0.57	0.57	0.56	0.56	0.63	0.62	0.60	0.55	0.56	0.55	0.55		0.58
Turbidity Information																																			
Raw Water	NTU	n/a	1.45	1.51	1.56	1.16	1.05	1.25	1.12	1.27	1.19	1.14	1.07	1.28	1.35	1.65	1.60	1.38	1.41	1.53	1.38	1.70	1.73	1.68	1.65	1.73	1.56	1.86	1.63	1.70	1.84	1.67	1.77		1.48
Settled Water	NTU	n/a	0.10	0.09	0.10	0.12	0.11	0.07	0.09	0.11	0.11	0.11	0.11	0.07	0.09	0.10	0.08	0.06	0.09	0.07	0.09	0.10	0.05	0.05	0.05	0.05	0.11	0.14	0.10	0.11	0.11	0.09	0.12		0.09
Treated Water	NTU	1	0.08	0.07	0.07	0.09	0.08	0.06	0.07	0.08	0.08	0.09	0.10	0.10	0.08	0.09	0.05	0.06	0.06	0.06	0.05	0.03	0.03	0.04	0.03	0.03	0.06	0.01	0.07	0.10	0.01	0.01	0.05		0.06
Other Operating Parameters																																			
pH - Treated Water	no units	6.5 to 8.5	7.36	7.30	7.28	7.27	7.34	7.25	7.27	7.38	7.33	7.29	7.15	7.20	7.25	7.24	7.27	7.29	7.26	7.27	7.26	7.26	7.27	7.24	7.23	7.26	7.25	7.35	7.45	7.33	7.29	7.25	7.22		7.28
pH - Settled water	no units	n/a	6.33	6.29	6.31	6.24	6.25	6.26	6.23	6.35	6.46	6.48	6.50	6.36	6.41	6.37	6.38	6.41	6.37	6.38	6.32	6.46	6.36	6.42	6.40	6.41	6.39	6.40	6.45	6.25	6.39	6.43	6.41		6.37
pH - Raw Water	no units	n/a	7.11	7.06	7.03	7.18	7.15	7.18	7.08	6.93	7.00	7.02	7.06	7.12	7.20	7.14	7.16	7.16	7.15	7.11	7.06	6.99	7.06	6.94	6.93	6.92	7.02	7.20	7.07	7.09	7.10	7.01	7.09		7.07
FAC - Treated Water	mg/l	0.2 to 4	2.30	2.22	2.10	2.07	2.01	2.22	2.10	2.03	1.97	2.05	1.92	2.04	2.07	2.12	2.15	2.21	2.18	2.25	2.28	2.25	2.21	2.31	2.12	2.22	2.20	2.37	2.49	2.37	2.33	2.37	2.38		2.19
Total Chlorine Residual Treated	mg/l	0.3 to 7	2.56	2.46	2.44	2.45	2.34	2.52	2.36	2.34	2.32	2.38	2.17	2.41	2.33	2.45	2.37	2.40	2.41	2.35	2.56	2.66	2.63	2.58	2.46	2.58	2.44	2.55	2.75	2.72	2.70	2.72	2.69		2.49
Temperature	°C	15	18.0	17.0	17.0	18.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	16.0	16.0	16.0	15.0	15.0	15.0	15.0	14.0	13.0	13.0	12.0	12.0	12.0	11.0	11.0	11.0	11.0	11.0		14.7	
Fluoride used (Total Daily Consumption)	kg	n/a	17.0	16.0	17.0	16.0	16.0	15.0	15.0	16.0	16.0	17.0	17.0	18.0	17.0	17.0	16.0	17.0	16.0	17.0	16.0	16.0	17.0	16.0	16.0	16.0	17.0	16.0	15.0	15.0	16.0	14.0	16.0	502.00	16.2
Chlorine used (Total Daily Consumption)	kg	n/a	26.0	24.0	24.0	25.0	20.0	24.0	22.0	22.0	21.0	22.0	22.0	24.0	22.0	21.0	22.0	22.0	22.0	21.0	22.0	22.0	22.0	22.0	20.0	22.0	22.0	20.0	22.0	22.0	21.0	21.0	22.0	686.00	22.1
Soda Ash (Total Daily Consumption)	kg	n/a	212.0	202.8	198.3	210.9	197.6	207.2	195.7	191.7	187.6	190.6	193.5	205.7	192.0	192.4	191.7	189.8	193.1	190.9	190.9	191.7	191.7	191.7	187.6	193.1	193.5	183.2	191.3	192.0	190.6	186.5	192.8	6019.90	194.2
Soda Ash - Dosage	mg/l	n/a	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37		37.0	
Alum residual - (Total Daily Consumption)	kg	n/a	217.7	208.2	203.7	216.6	202.9	212.8	201.0	196.8	192.7	195.7	198.7	211.3	197.2	197.6	196.8	194.9	198.4	196.1	196.1	196.8	196.8	196.8	192.7	198.4	198.7	188.1	196.5	197.2	195.7	191.5	198.0	6182.60	199.4
Alum residual - Dosage	mg/l	n/a	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0		38.0
Alum residual - Treated Water	mg/l	0.1	0.03	0.03	0.03	0.05	0.05	0.04	0.04	0.06	0.05	0.05	0.03	0.04	0.03	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.01	0.05	0.04	0.03	0.05	0.04	0.07		0.04
Poly bags added (25 kg bags)	kg	n/a			0.5					0.5						0.5				0.5				0.5						0.5				75.0	

* MAC - maximum acceptable range

Minimum	Maximum
4.95	5.73
60.41	65.74
2.74	3.81
61.83	73.02

Flow Data October	Units	2019	2020	2021
Total Raw Water	m ³	153300	159370	162700
Raw Maximum Day	m ³	5220	5580	5730
Raw Minimum Day	m ³	4540	4830	4950
Raw Average Daily Consumption	m ³	4950	5140	5250
Total Treated Water	m ³	97640	102590	96920
Treated Water Maximum Day Consumption	m ³	3650	3910	3810
Treated Water Minimum Day Consumption	m ³	2800	2870	2740
Treated Water Average Day Consumption	m ³	3150	3310	3190
Daily Average Per Household Consumption Rate	m ³	0.833	0.875	0.843
* Daily Average Per Person Consumption Rate	m ³	0.394	0.414	0.399
Monthly Averages - Operating Parameters WTP:				
FAC Residual - Treated Water	mg/L	2.29	2.45	2.19
Total Chlorine Residual - Treated Water	mg/L	2.58	2.71	2.49
Aluminum Sulphate - Raw Water	mg/L	35.0	34.0	38.0
Aluminum Sulphate - Treated Water Residual	mg/L	0.04	0.03	0.04
Fluoride - Treated Water	mg/L	0.74	0.56	0.58
Soda Ash - Raw Water	mg/L	35.0	37.0	37.0
pH - Adjusted	mg/L	7.47	7.49	7.28
Temperature	°C	11.0	10.0	14.7
Quantity of Chemical Used:				
Aluminum Sulphate	kg	5365.5	5418.6	6182.6
Polyelectrolyte	kg	64.5	62.5	75.0
Chlorine Gas	kg	712	729	686
Soda Ash - Used for pH Adjustment	kg	5365.5	5896.7	6019.9
Fluoride	kg	696	722	502

- * The Canadian Average is 450 litres (0.45 m³) per day.
- * Population is 7986
- * Number of Households is 3783

Signature: Greg Wiedenhoeft
Greg Wiedenhoeft (Nov 10, 2021 14:50 CST)

Email: gwiedenhoeft@fortfrances.ca

Signature: Carly Miller

Email: cmiller@fortfrances.ca

Signature: Tina Rob

Email: trob@fortfrances.ca












WTP October 2021 Report Complete

Final Audit Report

2021-11-12

Created:	2021-11-10
By:	Craig Miller (cmiller@fortfrances.ca)
Status:	Signed
Transaction ID:	CBJCHBCAABAA5sqiyQmLPwEQwd-IATGLGR7xTPVWEqXu

"WTP October 2021 Report Complete" History

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June 17, 2020

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Annual Energy Conservation and Demand Management Report

Since 2013, the Town has been tracking its energy consumption in accordance with our Energy Conservation and Demand Management Plan. In 2019 the role of energy tracking and reporting was transitioned to the Asset Management Coordinator.

In 2021 the online billing platform provided by Union Gas was transitioned to Enbridge causing the town to loose its online database of gas utility information. We have since enrolled with Enbridge, however that caused a delay in the preparation of this report. The delay in obtaining the gas data did not impact our ability to meet our regulated Ministry reporting deadline of July 1, 2021.

Attached you will find the 2021 report prepared by Abdul Shehu, Interim Asset Management Coordinator.

It is the recommendation of the Operations and Facilities Executive Committee that the 2021 Energy Conservation and Demand Management report be accepted by Council and made available to the public per the Town's Energy Conservation and Demand Management Plan.

Respectfully Submitted



Travis Rob, P.Eng

Council approval of this report will agree with the recommendation of the Operations and Facilities Executive Committee that the 2021 Energy Conservation and Demand Management report be accepted by Council and made available to the public per the Town's Energy Conservation and Demand Management Plan.

Manager of Operations and Facilities

November 4, 2021

Report To: Travis Rob

From: Abdullahi Shehu, Interim Asset Management Coordinator

RE: Annual Energy Consumption Report

Background:

The Town of Fort Frances has been providing energy reports in compliance with O. Reg. 397/11 since the first filing date of July 1st, 2013. However, the Green Energy Act of 2009 was repealed in 2018, leading to the annulment of O.Reg. 397/11. Part II.3 Conservation and Energy Efficiency was added to the Electricity Act of 1998, and O.Reg. 507/18: Broader Public Sector: Energy Reporting and Demand Management Plans was created to replace O.Reg. 397/11.

All broader public sector (BPS) organizations (including municipalities, schools, and hospitals) are mandated to disclose their energy consumption and greenhouse gas (GHG) emissions yearly under O.Reg. 507/18. These organizations must also develop and implement a Conservation and Demand Management (CDM) plans that are revised every five years to fulfill the terms of the regulation. In 2020 the Town of Fort Frances completed its Energy Reporting and Conservation and Demand Management Plans.

Upcoming Regulation Milestones:

The Town of Fort Frances is committed to reporting yearly energy consumption and greenhouse gas (GHG) under the Electricity Act, 1998 (Ontario Regulation 507/18). Our objective is to continue reducing GHG emissions to positively impact our environment. The Town also continues to improve on its Energy Conservation and Demand Management Plan in a manner that is consistent with the requirements of the provincial regulation.

Analysis:

This report contains an overview of electrical and natural gas energy use and solar energy generation at various Town of Fort Frances facilities for the 2020 year.

Electrical

The electricity usage for each year from 2017-2020, as well as the baseline year of 2011, is detailed in Spreadsheet #1 attached to this report. A column under the 2020-year data highlights the difference in consumption between the reporting year and the baseline year (2011).

The USEPA GHG Equivalencies Calculator was utilized to estimate GHG emissions from electrical energy consumption. Electricity use in 2020 accounts for 3831 metric tons of carbon dioxide equivalent of emissions. The resulting value is equivalent to 461 homes energy use for a year. It is worth noting that electrical energy consumption was at an all-time low since the first reporting year (2013).

Natural Gas

Spreadsheet #2 attached to this report shows natural gas use in each of the Towns' facilities for each year from 2017-2020, including the baseline year of 2011. The 2019 merger of Union Gas and Enbridge resulted in a new set of available consumption estimates that do not include heating degree day (HDD) figures. In this report, HDD data from the Fort Frances airport weather station with ID number CTAG (71962) was used to generate HDD billing values with a base temperature of 18 degree Celsius.

The USEPA GHG Equivalencies Calculator was utilized to estimate GHG emissions from energy consumption using natural gas. Natural gas use in 2020 accounts for 1027 metric tons of carbon dioxide equivalent in emissions. This resulting value is equivalent to 124 homes energy use for a year.

Solar

The solar energy generated by the Town of Fort Frances is detailed in Spreadsheet #3, which is attached to this report. Although revenues for the year 2020 increased from those reported in 2019, they are below the annual average. The Town will continue to profit from this 20-year deal, which pays \$0.80 per kilowatt-hour generated until 2032. Although the Ministry of Energy does not mandate an annual report on solar generation, the data has historically been included in the annual report to Council.

Utilizing the USEPA GHG Equivalencies Calculator. Electricity generation from the solar system accounts for 24.4 metric tons of avoided carbon dioxide equivalent emission. This is equivalent to 3 homes' energy use for a year.

Summary of Additional Energy Initiatives:

The Town of Fort Frances continues to seek ways to increase energy efficiency at all its facilities via capital projects or operational procedures. The Memorial Sports Complex (MSC) consumes the most energy among the Town's facilities. Steps were taken in 2020 to plan, procure and seek financing for the following upgrades at the MSC:

- Replacement of rooftop air handling unit (AHU)
- New Furnace and heat recovery ventilation (HRV) unit installation
- Roof replacement
- Energy recycling dehumidifier (DRY-O-TRON), duct heater replacement
- LED lighting retrofit

Conclusion and Recommendations:

The COVID-19 pandemic forced the Town of Fort Frances to close some of its facilities for most of 2020, only allowing limited access to employees. Although most buildings were barely occupied or vacant, energy consumption was still required. With some of the pandemic restrictions lifted earlier in 2021, work commenced to upgrade various aspects of the MSC with more energy-efficient materials and equipment. The project is scheduled to continue with the planned upgrades up until March 31st, 2025.

There was a decrease in electrical energy consumption in 2020 which resulted in a five-year low. Reductions were noted at multiple facilities however, the most significant reductions occurred at the MSC, daycare (facility sold, 2020), and sewage treatment plant.

In 2020, electricity consumption demand reduced by 998,167 kWh's from all facilities compared to values from 2019. However, Natural gas consumption trended upwards in 2020, to new all-time highs since the first recording year. The library in town has been in discussion with Enbridge since gas consumption doubled in 2019 and 2020, compared to recent preceding years. Although, the significant rise in gas consumption in 2020 can be attributed to the Fort Frances Water facility. It is unclear what led to the significant increase of 70,780.06m³ compared to the baseline year (2011) levels.

The Towns' solar power systems show an uptrend in kWh's generated from the system compared to the all-time low in 2019. After nine years of operation, the program has generated \$359,170.41 with an average annual return of \$39,907.82.

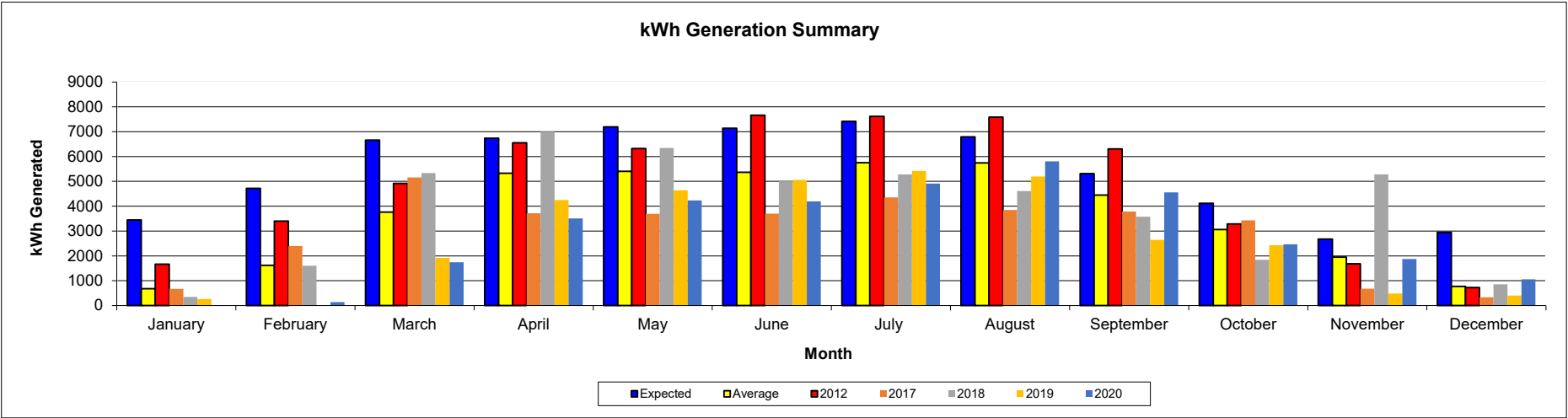
It is the recommendation of the Administration that:

1. The annual energy consumption report be made available to the public per the Towns' Energy Conservation and Demand Management Plan.

Respectfully Submitted
Abdullahi Shehu

H:\Energy Management\Energy Monitoring\Data\ECDM Plan Data\Reports To Council\2021 Report\ECDM Annual Energy Consumption - Report to Council 2021.docx

	Expected	2012		2017		2018		2019		2020		Average	kWh Total To Date	Revenue To Date
		kWh	Revenue	kWh	Revenue	kWh	Revenue	kWh	Revenue	kWh	Revenue			
January	3444	1667	\$ 1,336.54	671	\$ 585.42	343	\$ 288.16	264	\$ 216.57	11	-\$ 7.55	676.0	6084	\$ 5,377.83
February	4720	3400	\$ 2,726.68	2400	\$ 2,146.68	1606	\$ 1,432.77	0	-\$ 22.68	135	\$ 97.13	1618.3	14565	\$ 12,644.91
March	6658	4916	\$ 4,431.46	5158	\$ 4,651.81	5335	\$ 4,806.46	1920	\$ 1,717.25	1746	\$ 1,560.53	3762.2	33860	\$ 30,801.32
April	6740	6550	\$ 5,912.29	3715	\$ 3,445.41	7003	\$ 6,115.43	4248	\$ 3,827.12	3506	\$ 3,159.82	5327.2	47945	\$ 43,141.64
May	7192	6319	\$ 5,702.94	3694	\$ 3,342.05	6342	\$ 5,724.83	4638	\$ 4,190.56	4232	\$ 3,977.16	5405.8	48652	\$ 44,070.89
June	7143	7667	\$ 6,924.57	3701	\$ 3,331.39	5000	\$ 4,508.64	5060	\$ 4,563.00	4197	\$ 3,786.04	5369.3	48324	\$ 43,641.25
July	7417	7620	\$ 6,881.98	4356	\$ 3,924.98	5281	\$ 4,763.28	5418	\$ 4,887.43	4908	\$ 4,426.88	5750.4	51754	\$ 46,746.53
August	6794	7585	\$ 6,850.25	3846	\$ 3,465.07	4608	\$ 4,153.36	5194	\$ 4,684.44	5803	\$ 5,063.84	5745.0	51705	\$ 46,475.86
September	5312	6306	\$ 5,691.15	3789	\$ 3,292.30	3574	\$ 3,216.29	2646	\$ 2,122.09	4556	\$ 4,114.87	4445.6	40010	\$ 35,684.02
October	4116	3281	\$ 2,965.12	3430	\$ 3,062.58	1842	\$ 1,682.90	2429	\$ 2,178.62	2465	\$ 6,562.56	3058.3	27525	\$ 29,115.24
November	2675	1677	\$ 1,496.08	676	\$ 589.95	5281	\$ 4,763.28	483	\$ 420.21	1875	\$ 1,700.05	1951.9	17567	\$ 15,719.12
December	2942	724	\$ 632.41	332	\$ 278.21	854	\$ 751.27	403	\$ 347.69	1053	\$ 943.41	766.8	6901	\$ 5,751.80
TOTAL:	65153	57712	\$51,551.47	35768	\$32,115.85	47069	\$42,206.67	32703	\$29,132.30	34487	\$35,384.74	43876.89	394892	\$ 359,170.41



Spreadsheet #2 - Gas Summary

Facility	Base Year		2017 Consumption Billing HDD		Difference From Base Year		2018 Consumption Billing HDD		Difference From Base Year		2019 Consumption Billing HDD		Difference From Base Year		2020 Consumption Billing HDD		Difference From Base Year	
	2011 Consumption	Billing HDD			Consumption	HDD			Consumption	HDD			Consumption	HDD			Consumption	HDD
Museum	6470.454	6916.8	9586.063	5308	3115.609	-1608.8	11847.7	5940.5	5377.205	-976.3	6017	5029.2	-453.454	-1887.6	8760.00	5465.7	2289.55	-1451.1
Sister Kennedy	7505.28	6179.8	6164.457	5378.9	-1340.823	-800.9	5752.7	5923	-1752.531	-256.8	2639.9	5762.7	-4865.38	-417.1	4623.3	5465.7	-2882.00	-714.1
Sister Kennedy Shop	3020.719	5337.5	2223.468	5410.6	-797.251	73.1	2728.4	5913	-292.325	575.5	2949.85	3281.5	-70.869	-2056	2604.96	5465.7	-415.76	128.2
McIrvine Rink	4256.96	6351.4	3670.339	5338.6	-586.621	-1012.8	4374.1	5927.5	117.128	-423.9	4460.7	5719.5	203.74	-631.9	4549.76	5465.7	292.80	-885.7
Library	5889.056	6129.9	3051.63	5380.4	-2837.426	-749.5	2461.9	5913	-3427.1672	-216.9	5994.8	5578.5	105.744	-551.4	6462.11	5465.7	573.05	-664.2
East End Hall	5794.478	6102.4	3819.403	5241.1	-1975.075	-861.3	3513.4	5920.7	-2281.072	-181.7	4286.7	5761	-1507.778	-341.4	3886.35	5465.7	-1908.13	-636.7
Water Treatment Plant	79918.157	6102.4	91056.458	5274.3	11138.301	-828.1	89482.0	5887.5	9563.805	-214.9	72101.3	5761	-7816.857	-341.4	71072.56	5465.7	-8845.60	-636.7
Sewage Treatment Plant 2	7432.953	6229.1	4826.413	4732	-2606.54	-1497.1	3324.2	5929	-4108.709	-300.1	7113.1	6941.4	-319.853	712.3	9768.24	5465.7	2335.29	-763.4
Water Tower	21500.484	6953.4	25934.663	5268.3	4434.179	-1685.1	36572.2	6006.2	15071.76	-947.2	30619.2	5717.5	9118.716	-1235.9	102557.8	5465.7	81057.32	-1487.7
Sewage Treatment Plant 1	36714.116	6229.1	49157.08	5346.1	12442.964	-883	39056.4	5319.2	2342.27	-909.9	41493.2	5717.5	4779.084	-511.6	44009.15	5465.7	7295.03	-763.4
Public Works	26975.055	6145.1	20312.658	5273.3	-6662.397	-871.8	23834.4	5879.2	-3140.644	-265.9	22073.5	5840.2	-4901.555	-304.9	21870	5465.7	-5105.06	-679.4
Daycare	4606.651	6992.3	14089.785	4548.5	9483.134	-2443.8	11180.0	6564.6	6573.378	-427.7	9886.5	5879.6	5279.849	-1112.7	0	0	-4606.65	-6992.3
Civic Centre	60047.804	6916.8	40230.302	5282.8	-19817.502	-1634	48419.9	5940.5	-11627.899	-976.3	51126.59	5764.4	-8921.214	-1152.4	53203	5465.7	-6844.80	-1451.1
Memorial Sports Centre1	132342.865	6962.5	131786.389	4665.2	-556.476	-2297.3	88107.9	6628.2	-44234.952	-334.3	160349.2	8227.8	28006.335	1265.3	149820	5465.7	17477.14	-1496.8
Memorial Sports Centre2	57494.116	6129.9	50116.798	5380.4	-7377.318	-749.5	37281.6	4334	-20212.517	-1795.9	48278.03	7320	-9216.086	1190.1	47562	5465.7	-9932.12	-664.2
TOTAL	459969.148	95678.4	456025.906	77828.5	-3943.242	-17849.9	407936.8778	88026.1	-52032.2702	-7652.3	469389.57	88301.8	9420.422	-7376.6	530749.21	76519.8	70780.06	-19158.6

Spreadsheet #1 - Electrical Summary

	2011 - Baseline		2017			2018			2019			2020		
	Total Consumption (kWh)	Total Cost (\$)	Total Consumption	Total Cost (\$)	Difference From Baseline (kWh)	Total Consumption (kWh)	Total Cost (\$)	Difference From Baseline (kWh)	Total Consumption	Total Cost (\$)	Difference From Baseline (kWh)	Total Consumption (kWh)	Total Cost (\$)	Difference From Baseline (kWh)
Museum	124518.26	\$ 12,934.16	109,111.48	\$ 13,446.16	-15,406.78	134,520.64	\$ 13,398.18	10,002.38	112189.78	11630.32	-12328.48	107,960.20	12195.51	-16558.06
Memorial Sports Centre*	540324.47	\$ 57,434.30	510,890.85	\$ 71,967.60	-29,433.62	518,042.70	\$ 70,654.30	-22,281.77	526438.35	78109.99	-13886.12	464,870.25	69897.25	-75454.22
Memorial Sports Centre A*	2060205.95	\$ 190,560.19	1,829,318.40	\$ 247,069.22	-230,887.55	1,847,913.12	\$ 236,124.91	-212,292.83	1869020.64	256111.95	-191185.31	1,338,317.28	191826.68	-721888.67
Hallett	1658.65	\$ 526.18	365.19	\$ 618.57	-1,293.46	351.10	\$ 615.81	-1,307.55	130.86	581.03	-1527.79	170.69	477.22	-1487.96
Sorting Gap*	46148.56	\$ 4,760.16	38,546.75	\$ 4,753.80	-7,601.81	47,156.68	\$ 4,896.40	1,008.12	42439.94	4589.84	-3708.62	32,225.57	3766.52	-13922.99
Public Works	158900.90	\$ 14,990.98	85,649.04	\$ 11,190.60	-73,251.86	92,318.22	\$ 10,054.16	-66,582.68	96963.31	10708.62	-61937.59	87,042.59	10172.98	-71858.31
Fort Frances Cemetery*	83238.89	\$ 7,928.96	70,014.98	\$ 8,667.78	-13,223.91	89,114.80	\$ 9,051.56	5,875.91	111643.26	11750.72	28404.37	124,080.61	13904.25	40841.72
Riverview Cemetery*	49686.65	\$ 4,825.18	30,258.61	\$ 4,216.43	-19,428.04	34,019.25	\$ 3,856.21	-15,667.40	32141.7	3771.45	-17544.95	30,778.18	3851.34	-18908.47
Civic Centre*	646061.57	\$ 65,147.27	479,442.24	\$ 66,853.91	-166,619.33	507,459.96	\$ 69,217.00	-138,601.61	500047.2	72304.27	-146014.37	471,903.84	68620.49	-174157.73
Dog Pound*	18384.91	\$ 1,996.22	8,838.69	\$ 1,621.46	-9,546.22	9,348.64	\$ 1,465.54	-9,036.27	10518.61	1596.92	-7866.30	9,303.00	1476.69	-9081.91
Sister Kennedy Centre 1	63938.02	\$ 6,242.01	66,048.65	\$ 8,419.24	2,110.63	73,308.08	\$ 7,870.96	9,370.06	95121.83	10384.54	31183.81	68,323.07	7624.46	4385.05
Sister Kennedy Centre 2	1163.53	\$ 525.61	3,356.90	\$ 995.94	2,193.37	2,958.81	\$ 874.93	1,795.28	3016.69	871.51	1853.16	2,428.91	735.36	1265.38
East End Hall	10057.67	\$ 1,234.80	9,059.50	\$ 1,594.76	-998.17	10,791.10	\$ 1,613.03	733.43	7162.13	1269.72	-2895.54	5,590.89	1066.30	-4466.78
Point Park Garage*	83.33	\$ 272.61	306.90	\$ 619.47	223.57	545.92	\$ 642.44	462.59	92.88	577.89	9.55	93.90	469.14	10.57
Vanjura	1165.48	\$ 362.29	0.00	\$ 617.46	-1,165.48	0.00	\$ 488.01	-1,165.48	0	419.15	-1165.48	0.00	458.74	-1165.48
Lions Park	16569.35	\$ 1,781.77	17,960.89	\$ 2,547.51	1,391.54	19,009.49	\$ 2,454.99	2,440.14	14833.19	2050.48	-1736.16	13,084.93	1879.11	-3484.42
Daycare	113506.77	\$ 11,745.12	88,050.28	\$ 11,423.11	-25,456.49	97,445.17	\$ 10,475.58	-16,061.60	91970.75	10017.22	-21536.02	24,825.30	2973.05	-88681.47
St. Frances Sports Fields	1285.15	\$ 499.34	3,785.87	\$ 932.56	2,500.72	2,459.84	\$ 803.24	1,174.69	3361.91	855.5	2076.76	188.97	479.82	-1096.18
McIrvine Road Rink	5209.86	\$ 834.06	988.92	\$ 751.75	-4,220.94	1,537.76	\$ 729.21	-3,672.10	1513.99	715.12	-3695.87	1,861.02	662.96	-3348.84
North End Rink*	15840.60	\$ 1,779.04	2,322.52	\$ 875.74	-13,518.08	0.00	\$ -	-15,840.60	0	0	-15840.60	0.00	0.00	-15840.60
Water Tower	41851.34	\$ 4,109.87	38,066.40	\$ 4,876.07	-3,784.94	40,841.22	\$ 4,412.93	-1,010.12	46929.08	5114.09	5077.74	47,002.55	5508.5	5151.21
Street Lights	1231535.63	\$ 126,968.35	452,483.96	\$ 86,125.55	-779,051.67	452,483.96	\$ 84,379.92	-779,051.67	452483.96	88895.37	-779051.67	453,908.51	91025.73	-777627.12
Recycle Depot (2016 Baseline)			16,735.10	\$ 2,571.94	14,389.49	17,245.02	\$ 2,285.51	14,899.41	17780.32	2382.76	15434.71	14691.38	2068.21	831.13
Tourist Info Building (2015 Baseline)			32,779.28	\$ 4,336.65	20,154.86	32,779.28	\$ 4,336.65	20,154.86	34514.75	3938.47	21890.33	n/a	n/a	n/a
Airport	137086.6	\$ 18,967.77	183,677.63	\$ 25,579.32	46,591.03	197,327.17	\$ 23,241.71	60,240.57	173759.4	20850.02	36672.80	152,488.63	19273.33	15402.03
Rainy Lake Square (2018 Baseline)			1,199.98	\$ 281.34	1,199.98	4,399.82	\$ 949.28	3,199.84	4079.81	913.39	2879.83	4,959.79	974.76	3759.81
Sunny Cove Camp Office*	11477.88	\$ 2,183.56	1,214.91	\$ 595.47	-10,262.98	1,235.86	\$ 576.31	-10,242.02	2256.361	776.27	-9221.52	77.94	352.69	-11399.94
Russell Hall*	7413	\$ 1,466.37	8,456.06	\$ 1,949.36	1,043.06	7,340.75	\$ 1,609.22	-72.25	7688.3118	1746.39	275.31	1,804.18	674.56	-5608.82
McGregor Hall*	2620	\$ 839.08	2,298.43	\$ 795.49	-321.57	2,267.87	\$ 752.83	-352.13	2068.0758	747.75	-551.92	217.52	376.38	-2402.48
Water Treatment Plant	813205.32	\$ 78,577.11	726,324.84	\$ 103,097.46	-86,880.48	720,294.12	\$ 98,195.47	-92,911.20	708232.68	103452.02	-104972.64	705,971.16	105153.69	-107234.16
Sewage Treatment Plant	1511377.58	\$ 143,636.77	1,448,503.56	\$ 192,660.01	-62,874.02	1,395,169.38	\$ 180,235.23	-116,208.20	1208782.44	165535.89	-302595.14	1,043,879.94	146918.70	-467497.64
Portage Avenue Storm Lift Station	8081.03	\$ 1,070.22	4,346.30	\$ 1,054.82	-3,734.73	6,062.07	\$ 1,151.27	-2,018.96	8539.78	1385.38	458.75	7,253.67	1252.50	-827.36
Central Ave Lift Station	147238.84	\$ 13,833.05	141,333.37	\$ 16,825.34	-5,905.47	130,254.44	\$ 12,941.19	-16,984.40	140720.68	14297.05	-6518.16	125,886.95	14108.74	-21351.89
5th Street Lift Station	44623.63	\$ 4,444.77	42,929.82	\$ 5,512.63	-1,693.81	28,741.92	\$ 3,304.15	-15,881.71	44620.46	4901.33	-3.17	37,361.86	4487.41	-7261.77
Minnie Avenue Lift Station	1698.56	\$ 564.47	1,590.48	\$ 761.57	-108.08	1,465.61	\$ 720.51	-232.95	1756	736.03	57.44	1,510.08	621.47	-188.48
White Pine Lift Station	29526.54	\$ 2,994.21	33,300.07	\$ 4,455.94	3,773.53	33,821.15	\$ 3,738.29	4,294.61	36802.98	4120.39	7276.44	31,242.36	3840.05	1715.82
Boundary Road Lift Station	5679.41	\$ 826.30	7,082.93	\$ 1,379.93	1,403.52	6,983.40	\$ 1,238.94	1,303.99	7391.49	1282.03	1712.08	7,148.04	1230.73	1468.63
Patin Avenue Lift Station	2406.48	\$ 586.89	2,399.07	\$ 854.35	-7.41	1,370.58	\$ 712.22	-1,035.90	1987.7	760.89	-418.78	1,380.55	604.99	-1025.93
TOTAL:	7953770.41	\$ 787,449.04	6,499,038.84	\$ 912,896.31	-1,469,701.60	6,568,384.89	\$ 870,068.09	-1,401,555.53	6,419,001.30	\$ 900,151.76	-1,550,939.12	5,419,834.31	\$ 791,010.31	-2,548,996.33

November 17, 2021

Report To: Mayor and Council

From: Travis Rob, Manager of Operations and Facilities

RE: Report #1 – Establishing 2022 Water and Sewer Rates

As outlined in the Long-Range Financial plan, an additional \$183,608 in revenue is forecasted to be collected in 2022 from water and sewer rates which translates to a 3.8% increase over 2021. Please find and review page 22 of the Long-Term Financial Plan prepared by BMA Management Consultants.

In 2021 \$ 5,465,978.52 in revenue was forecasted to be collected from water and sanitary sewer user fees where the actual amount collected as of October 31, 2021 was \$4,652,792.14, forecast to be \$5,563,357.25 by the end of the year. This equates to a forecasted surplus in actual revenue of \$97,378.73 from the sale of drinking water.

There are some significant items that should be considered prior to establishing the 2022 water and sewer rates;

The following rate adjustments were adopted in 2021;

- 2.7% rate increase for flat rate residential customers - from \$1020.27 per year in 2020 to \$1048.20 in 2021 or an increase of \$27.93 per year or \$2.33 per month.
 - Non-residential customer's volumetric rate increased by 2.7% or from \$5.85 per cu. meter in 2020 to \$6.01 per cu. meter in 2021.
 - Volumetric rate set at \$3.40 per cu. meter or 2.00% increase for the I/C class and \$3.94 per cu. meter or 2.70% increase for the institutional customers.
 - 2.00% increase to I/C minimum monthly rate from \$1,389.49 per year in 2020 to \$1417.20 per year in 2021 for an increase of \$27.71 per year or \$2.31 per month.
 - 2.00% increase to fire hydrants & sprinklers
 - A loss of **\$81,969.48** in revenue is to be collected compared to the 2020 forecasted revenue which results in a shortfall of \$231,555.48 given the forecasted 2021 consumption.
 - See Spreadsheet Number 1 for the Rate Summary for 2021.
1. How will COVID-19 impacts continue to affect the sale of sewer and water in the Town of Fort Frances?
 2. The Town's Asset Management Plan identifies 30.649km of sanitary sewer main that is in poor or worse condition with an estimated replacement cost of \$29,488,243.45.
 3. The Town's Asset Management Plan identifies 40.417km of water main that is in poor or worse condition with an estimated replacement cost of \$22,150,468.47.
 4. Sewage Treatment Plant – the Ministry of the Environment is pushing the Town towards having in place an emergency standby generator to operate the plant during power outages and pushing us away from being able to chlorinate effluent during by-pass events. The costs for the stand by power portion alone is forecasted to be \$625,800.
 5. The Fort Frances Water Treatment Plant and Wastewater lift stations are reaching an age where major internal components will need updating in the coming years to maintain their levels of service.
 6. Are any additional rate adjustments between the ICI and residential rate classes going to be considered in 2020 to address the built-in inequities?

7. The Town of Fort Frances Council adopted a moratorium on residential water meters in early 2021.

Spreadsheet No. 2 shows the 2021 ICI water meter consumption and revenue data including forecasted revenue to December 31, 2021.

To facilitate the discussion of the rates three rate scenarios have been completed and can be seen on spreadsheet number 1. These scenarios can be summarized as follows:

1. Scenario No. 1 - Using 3.4% rate increase to all 2021 rates - See Scenario No 1 in spreadsheet No. 1 highlighted in "red" – columns 11 to 15;
 - 3.4% rate increase for flat rate residential customers - from \$1048.20 per year in 2021 to \$1084.20 in 2022 or an increase of \$36.00 per year or \$3.00 per month.
 - Non-residential customer's volumetric rate increased by 3.4% or from \$6.01 per cu. meter in 2021 to \$6.21 per cu. meter in 2022.
 - Volumetric rate set at \$3.51 per cu. meter or 3.8% increase for the I/C class and \$4.07 per cu. meter or 3.4% increase for the institutional customers.
 - 3.4% increase to ICI minimum monthly rate from \$1417.20 per year in 2021 to \$1,465.80 per year in 2022 for an increase of \$48.60 per year or \$4.05 per month.
 - 3.4% increase to fire hydrants & sprinklers
 - An increase of **\$293,728.37** in revenue is to be collected compared to the 2021 forecasted revenue which results in a surplus of \$110,120.89 from the forecasted revenue of \$5,649,586 given the forecasted 2022 consumption.
2. Scenario No. 2 - Using a rate increase to all 2021 rates to meet the required revenue as outlined in the financial report - See Scenario No 2 in spreadsheet No. 1 highlighted in "green" – columns 16 to 20;
 - 1.48% rate increase for flat rate residential customers - from \$1048.20 per year in 2021 to \$1063.20 in 2022 or an increase of \$15.00 per year or \$1.25 per month.
 - Non-residential customer's volumetric rate increased by 1.48% or from \$6.01 per cu. meter in 2021 to \$6.10 per cu. meter in 2022.
 - Volumetric rate set at \$3.45 per cu. meter or 1.48% increase for the I/C class and \$4.00 per cu. meter or 1.48% increase for the institutional customers.
 - 1.48% increase to ICI minimum monthly rate from \$1417.20 per year in 2021 to \$1,438.20 per year in 2022 for an increase of \$21.00 per year or \$1.75 per month.
 - 1.48% increase to fire hydrants & sprinklers
 - An additional **\$183,607.48** in revenue is to be collected compared to the 2021 forecasted revenue which equals the targeted revenue of \$5,649,586.00 given the forecasted 2022 consumption.
3. Scenario No. 3 – Using 2.0% rate increase to all 2021 rates – See Scenario No 3 in spreadsheet No. 1 highlighted in "blue" – columns 21 to 25;
 - 2.0% rate increase for flat rate residential customers - from \$1048.20 per year in 2021 to \$1069.20 in 2022 or an increase of \$21.00 per year or \$1.75 per month.
 - Non-residential customer's volumetric rate increased by 2.0% or from \$6.01 per cu. meter in 2021 to \$6.13 per cu. meter in 2022.

- Volumetric rate set at \$3.47 per cu. meter or 2.00% increase for the I/C class and \$4.02 per cu. meter or 2.00% increase for the institutional customers.
- 2.00% increase to ICI minimum monthly rate from \$1417.20 per year in 2021 to \$1445.40 per year in 2022 for an increase of \$28.20 per year or \$2.35 per month.
- 2.00% increase to fire hydrants & sprinklers
- An additional **\$214,413.72** in revenue is to be collected compared to the 2021 forecasted revenue which results in a surplus of \$30,806.24 from the forecasted revenue of \$5,649,586.00 given the forecasted 2022 consumption.

At this time some direction is required whether the presented scenarios are sufficient for setting the 2022 water rates, or if there are other rate scenarios that would like to be discussed.

Respectfully Submitted

A handwritten signature in black ink, appearing to read 'Travis Rob', with a stylized flourish at the end.

Travis Rob, P.Eng
Manager of Operations and Facilities

Spreadsheet No. 1 - 2022 Water and Sewer Rates Scenarios
Updated November 12, 2021

Water

	Budgeted 2021	Forecasted Actual 2021	3 Year Average 2019, 2020, 2021	Forecasted 2022
	# of units	# of units	# of units	
Flat Residential (un-metered)	3664	3675	3658	3666
Churches	13	13	14	13
Flat Commercial General (un-metered)	3	3	3	3
Metered - Couchiching First Nation	113380	110688	99888	107985
Metered - Commercial -245	117436	103295	110599	110443
Metered - Institutional -59	111305	103544	102410	105753
Private Hydrants	16	16	16	16
Private Sprinklers	24	24	24	24
Metered Non-Resident (7 accounts)	3759	4764	4821	4448
2-Nanicos, 1-FF Tribal Area Health, 1-Treaty 3 Police				
1-Myer's Hanger 1-Friesen Apartments Alberton				
1- Seven Generations Education Institute				
Flat Residential (un-metered)	3639	3656	3641	3645
Churches	13	14	14	14
Flat Commercial General (un-metered)	3	3	3	3
Metered -Couchiching First Nation	112034	110688	99888	107537
Metered - Commercial -244	110561	102568	109683	107604
Metered - Institutional -59	107269	103544	102410	104408
Metered Non-Resident (6 accounts)	3494	4764	4841	4366

Summary of - Water & Sewer Rates & Yearly impact

Flat Residential (un-metered)	
Churches	
Flat Commercial General (un-metered)	
Metered - Couchiching First Nation	
Metered - Commercial -237	
Metered - Institutional -58	
Private Hydrants	
Private Sprinklers	
Metered Non-Resident (6.5 accounts)	

2021 Water Rates - Scenario No. 3

Scenario No. 3 - Residential and non-residential 2.70% , Institutional volumetric increased 2.7% and Flat ICI , I/C volumetric increased to 2.00% above 2020 rates. Volumetric minimum remaining at 10 cu. meters/month			
2021 Rates	2020 to 2021 % increase	2021 Annual Rate	2021 Forecasted Revenue
\$45.20	2.70%	\$542.40	\$1,987,353.60
\$45.20	2.70%	\$542.40	\$7,051.20
\$61.05	2.00%	\$732.60	\$2,197.80
\$3.11	2.70%		\$320,026.55
\$1.70	2.00%		\$270,439.17
\$1.98	2.70%		\$204,171.28
\$59.85	2.00%	\$718.20	\$11,491.20
\$18.75	2.00%	\$225.00	\$5,400.00
\$3.12	2.70%		\$9,717.23
		Subtotal	\$2,817,848.02
\$42.15	2.70%	\$505.80	\$1,840,606.20
\$42.15	2.70%	\$505.80	\$6,575.40
\$57.05	2.00%	\$684.60	\$2,053.80
\$2.90	2.70%		\$298,039.99
\$1.69	2.00%		\$278,166.00
\$1.96	2.70%		\$214,444.05
\$2.90	2.70%		\$8,245.07

Subtotal \$2,693,700.68

2020 Monthly unit price	2019 to 2020 % increase	2020 annual rate	2020 Revenue	2021-2020
\$87.35	2.74%	\$1,048.20	\$3,827,959.80	\$104,111.67
\$87.35	2.74%	\$1,048.20	\$13,626.60	\$363.09
\$118.10	1.99%	\$1,417.20	\$4,251.60	\$83.12
\$6.01	2.70%		\$618,066.54	-\$11,567.45
\$3.40	2.00%		\$548,605.16	-\$101,499.19
\$3.94	2.70%		\$418,615.32	-\$66,179.06
\$59.85	2.00%	\$718.20	\$11,491.20	\$224.88
\$18.75	1.91%	\$225.00	\$5,400.00	\$101.24
\$6.02	2.70%		\$17,962.30	-\$7,607.78
Total			\$5,465,978.52	-\$81,969.48

Total without hydrants or sprinklers \$5,449,087.32
Funding (Surplus)/Deficit \$231,555.48
Financial Plan Revenue \$5,697,534.00

Scenario No. 1

Scenario No. 1 - Residential and non-residential 3.80% , Flat ICI , I/C volumetric & I volumetric at 3.80% above 2021 rates. Volumetric minimum remaining at 10 cu. meters/month			
2022 Proposed Rates	2021 to 2022 % increase	2022 Annual Rate	2022 Forecasted Revenue
\$46.75	3.40%	\$561.00	\$2,056,439.00
\$46.75	3.40%	\$561.00	\$7,417.67
\$63.15	3.40%	\$757.80	\$2,273.40
\$3.22	3.40%		\$347,255.19
\$1.76	3.40%		\$290,421.27
\$2.05	3.40%		\$231,011.33
\$61.90	3.40%	\$742.80	\$11,884.80
\$19.40	3.40%	\$232.80	\$5,587.20
\$3.23	3.40%		\$14,362.15
		Subtotal	\$2,966,652.00
\$43.60	3.40%	\$523.20	\$1,907,296.53
\$43.60	3.40%	\$523.20	\$7,150.40
\$59.00	3.40%	\$708.00	\$2,124.00
\$2.99	3.40%		\$322,054.28
\$1.75	3.40%		\$298,719.02
\$2.02	3.40%		\$242,634.54
\$2.99	3.40%		\$13,076.12

Subtotal \$2,793,054.89

2021 Monthly unit price	2020 to 2021 % increase	2021 annual rate	2021 Revenue	2022-2021
\$90.35	3.43%	\$1,084.20	\$3,963,735.53	\$135,775.73
\$90.35	3.43%	\$1,084.20	\$14,568.07	\$941.47
\$122.15	3.43%	\$1,465.80	\$4,397.40	\$145.80
\$6.21	3.40%		\$669,309.47	\$51,242.93
\$3.51	3.40%		\$589,140.30	\$40,535.13
\$4.07	3.40%		\$473,645.87	\$55,030.54
\$61.90	3.43%	\$742.80	\$11,884.80	\$393.60
\$19.40	3.47%	\$232.80	\$5,587.20	\$187.20
\$6.22	3.40%		\$27,438.26	\$9,475.96
Total			\$5,759,706.89	\$293,728.37

Total without hydrants or sprinklers \$5,742,234.89
Funding (Surplus)/Deficit (\$110,120.89)
Financial Plan Revenue \$5,649,586.00

Scenario No. 2

Scenario No. 2 - Residential and non-residential, Flat ICI , I/C volumetric & I volumetric increased to achieve revenue from financial plan. Volumetric minimum remaining at 10 cu. meters/month			
2022 Proposed Rates	2021 to 2022 % increase	2022 Annual Rate	2022 Forecasted Revenue
\$45.85	1.48%	\$550.20	\$2,016,849.80
\$45.85	1.48%	\$550.20	\$7,274.87
\$61.95	1.48%	\$743.40	\$2,230.20
\$3.16	1.48%		\$340,814.20
\$1.73	1.48%		\$285,032.99
\$2.01	1.48%		\$226,715.62
\$60.75	1.48%	\$729.00	\$11,664.00
\$19.05	1.48%	\$228.60	\$5,486.40
\$3.17	1.48%		\$14,095.75
		Subtotal	\$2,910,163.82
\$42.75	1.48%	\$513.00	\$1,870,113.00
\$42.75	1.48%	\$513.00	\$7,011.00
\$57.90	1.48%	\$694.80	\$2,084.40
\$2.94	1.48%		\$316,080.73
\$1.72	1.48%		\$293,176.78
\$1.99	1.48%		\$238,122.69
\$2.94	1.48%		\$12,833.58

Subtotal \$2,739,422.18

2021 Monthly unit price	2020 to 2021 % increase	2021 annual rate	2021 Revenue	2022-2021
\$88.60	1.43%	\$1,063.20	\$3,886,962.80	\$59,003.00
\$88.60	1.43%	\$1,063.20	\$14,285.87	\$659.27
\$119.85	1.48%	\$1,438.20	\$4,314.60	\$63.00
\$6.10	1.48%		\$656,894.93	\$38,828.39
\$3.45	1.48%		\$578,209.77	\$29,604.61
\$4.00	1.48%		\$464,838.31	\$46,222.98
\$60.75	1.50%	\$729.00	\$11,664.00	\$172.80
\$19.05	1.60%	\$228.60	\$5,486.40	\$86.40
\$6.11	1.48%		\$26,929.33	\$8,967.03
Total			\$5,649,586.00	\$183,607.48

Total without hydrants or sprinklers \$5,632,435.60
Funding (Surplus)/Deficit \$0.00
Financial Plan Revenue \$5,649,586.00

Scenario No. 3

Scenario No. 3 - Residential and non-residential 2.00% , Flat ICI , I/C volumetric & I volumetric at 2.00% above 2021 rates. Volumetric minimum remaining at 10 cu. meters/month			
2022 Proposed Rates	2021 to 2022 % increase	2022 Annual Rate	2022 Forecasted Revenue
\$46.10	2.00%	\$553.20	\$2,027,846.80
\$46.10	2.00%	\$553.20	\$7,314.53
\$62.25	2.00%	\$747.00	\$2,241.00
\$3.17	2.00%		\$342,553.47
\$1.74	2.00%		\$286,427.97
\$2.02	2.00%		\$227,868.93
\$61.05	2.00%	\$732.60	\$11,721.60
\$19.15	2.00%	\$229.80	\$5,515.20
\$3.19	2.00%		\$14,167.69
		Subtotal	\$2,925,657.20
\$43.00	2.00%	\$516.00	\$1,881,049.33
\$43.00	2.00%	\$516.00	\$7,052.00
\$58.20	2.00%	\$698.40	\$2,095.20
\$2.95	2.00%		\$317,693.78
\$1.73	2.00%		\$294,611.63
\$2.00	2.00%		\$239,334.04
\$2.95	2.00%		\$12,899.07

Subtotal \$2,754,735.04

2021 Monthly unit price	2020 to 2021 % increase	2021 annual rate	2021 Revenue	2022-2021
\$89.10	2.00%	\$1,069.20	\$3,908,896.13	\$80,936.33
\$89.10	2.00%	\$1,069.20	\$14,366.53	\$739.93
\$120.45	1.99%	\$1,445.40	\$4,336.20	\$84.60
\$6.13	2.00%		\$660,247.25	\$42,180.71
\$3.47	2.00%		\$581,039.60	\$32,434.43
\$4.02	2.00%		\$467,202.97	\$48,587.65
\$61.05	2.01%	\$732.60	\$11,721.60	\$230.40
\$19.15	2.13%	\$229.80	\$5,515.20	\$115.20
\$6.14	2.00%		\$27,066.76	\$9,104.46
Total			\$5,680,392.24	\$214,413.72

Total without hydrants or sprinklers \$5,663,155.44
Funding (Surplus)/Deficit (\$30,806.24)
Financial Plan Revenue \$5,649,586.00

SPREADSHEET NO. 2 - TOWN OF FORT FRANCES - WATER METERS 2022 CONSUMPTION HISTORY

Business Type	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	2021	2021	2021	2021	2021	2021	2021	2021	Scenario 1	Scenario 2	Scenario 3						
	Nov/Dec	Sep/Oct	Jul/Aug	May/Jun	Mar/Apr	Jan/Feb	Total	Revenue	Meter	Environmental	Hydrants	Revenue	Total Revenue	\$/M3										
	M3	M3	M3	M3	M3	M3	M3		Replacement Charge	Fee					% Increase				Annual Rate	% Increase	Annual Rate	% Increase	Annual Rate	
Commercial Meters																								
1	Landscaping (No Sewer)	69	1	21	217	105	2	415	\$1,309.92	\$30.00	\$50.00		\$1,091.60	\$1,309.92	\$2.63	-2%	\$	1,278.22	-4%	\$	1,254.16	-4%	\$	1,260.37
2	Hair Salon	69	3	0	120	36	187	415	\$1,417.20	\$32.50	\$50.00		\$1,181.00	\$1,417.20	\$2.84	77%	\$	2,502.99	73%	\$	2,456.15	74%	\$	2,468.55
3	Dentist	72	174	187	0	0	0	433	\$1,872.71	\$12.00	\$20.00		\$1,560.59	\$1,872.71	\$3.60	37%	\$	2,566.24	34%	\$	2,518.22	35%	\$	2,530.94
4	Car Wash	1,585	1,212	1,887	1,522	1,905	1,397	9,508	\$33,241.16	\$50.00	\$50.00		\$27,700.97	\$33,241.16	\$2.91	4%	\$	34,449.35	2%	\$	33,809.96	2%	\$	33,982.36
5	Grocery Store	1,179	328	3,276	1,447	374	471	7,075	\$24,995.33	\$50.00	\$50.00	\$786.00	\$20,829.44	\$24,995.33	\$2.94	4%	\$	25,903.05	2%	\$	25,422.19	2%	\$	25,551.78
6	Motel	1,001	1,200	1,738	693	642	734	6,008	\$21,378.88	\$150.00	\$50.00		\$17,815.73	\$21,378.88	\$2.97	4%	\$	22,154.83	2%	\$	21,743.48	2%	\$	21,854.31
7	Inactive	395	389	820	707	58	0	2,369	\$8,838.55	\$102.50	\$34.17		\$7,365.46	\$8,838.55	\$3.11	6%	\$	9,367.01	4%	\$	9,192.86	5%	\$	9,239.63
8	Super 8	807	978	1,117	793	658	489	4,842	\$17,424.78	\$170.00	\$50.00	\$786.00	\$14,520.65	\$17,424.78	\$3.00	4%	\$	18,056.66	2%	\$	17,721.32	2%	\$	17,811.62
9	Copper River Inn	718	838	1,058	376	718	600	4,308	\$15,614.52	\$170.00	\$50.00		\$13,012.10	\$15,614.52	\$3.02	4%	\$	16,180.43	2%	\$	15,879.90	2%	\$	15,960.80
10	Laundromat/Office Space	642	671	701	561	705	573	3,853	\$14,072.75	\$32.50	\$50.00		\$11,727.29	\$14,072.75	\$3.04	4%	\$	14,582.48	2%	\$	14,311.59	2%	\$	14,384.49
11		12	62	0	0	0	0	74	\$454.30	\$1.08	\$1.67		\$378.58	\$454.30	\$5.09	187%	\$	1,305.58	182%	\$	1,280.96	183%	\$	1,287.35
12	Gas Station	547	705	1,648	0	129	253	3,282	\$12,217.74	\$32.50	\$50.00		\$10,181.45	\$12,217.74	\$3.10	3%	\$	12,575.56	1%	\$	12,341.89	2%	\$	12,404.74
13	Copper River Inn	479	341	1,023	469	329	234	2,875	\$10,757.33	\$150.00	\$50.00		\$8,964.44	\$10,757.33	\$3.12	4%	\$	11,146.26	2%	\$	10,939.10	2%	\$	10,994.79
14	McDonald's (Restaurant)	464	450	744	475	348	303	2,784	\$10,448.16	\$50.00	\$50.00	\$187.50	\$8,706.80	\$10,448.16	\$3.13	4%	\$	10,825.83	2%	\$	10,624.61	2%	\$	10,678.69
15	Auto Body Shop/Water Distributor	335	279	415	341	340	299	2,009	\$7,820.23	\$30.00	\$50.00		\$6,516.86	\$7,820.23	\$3.24	4%	\$	8,102.14	2%	\$	7,951.45	2%	\$	7,991.89
16	Laundromat	330	401	363	294	305	287	1,980	\$7,722.60	\$30.00	\$50.00		\$6,435.50	\$7,722.60	\$3.25	4%	\$	8,000.95	2%	\$	7,852.14	2%	\$	7,892.07
17	Motel/Pawn Shop	329	378	381	292	313	283	1,976	\$7,710.40	\$50.00	\$50.00		\$6,425.33	\$7,710.40	\$3.25	4%	\$	7,988.30	2%	\$	7,839.72	2%	\$	7,879.59
18	Office Space	311	247	373	310	351	272	1,864	\$6,328.00	\$30.00	\$50.00		\$6,106.67	\$7,328.00	\$3.28	4%	\$	7,591.98	2%	\$	7,450.75	2%	\$	7,488.63
19	Dairy Queen (Restaurant)	262	228	344	270	259	207	1,570	\$6,331.34	\$30.00	\$50.00		\$5,276.12	\$6,331.34	\$3.36	4%	\$	6,559.00	2%	\$	6,436.93	2%	\$	6,469.64
20	Sporting Goods Retailer	248	313	262	281	241	141	1,486	\$6,046.58	\$30.00	\$50.00		\$5,038.82	\$6,046.58	\$3.39	4%	\$	6,263.87	2%	\$	6,147.27	2%	\$	6,178.50
21	Dentist	240	223	232	209	236	298	1,438	\$5,883.86	\$32.50	\$50.00		\$4,903.22	\$5,883.86	\$3.41	4%	\$	6,095.22	2%	\$	5,981.75	2%	\$	6,012.14
22	Construction (No Sewer)	36	23	25	26	56	50	216	\$895.80	\$50.00	\$50.00		\$746.50	\$895.80	\$3.46	3%	\$	927.04	2%	\$	909.50	2%	\$	913.95
23	Retail Store	219	200	237	223	216	218	1,313	\$5,460.79	\$150.00	\$50.00	\$786.00	\$4,550.66	\$5,460.79	\$3.47	4%	\$	5,656.73	2%	\$	5,551.40	2%	\$	5,579.59
24	Recreational	215	298	194	177	248	159	1,291	\$5,387.57	\$32.50	\$50.00	\$786.00	\$4,489.64	\$5,387.57	\$3.48	4%	\$	5,580.84	2%	\$	5,476.91	2%	\$	5,504.72
25	Contractor	191	103	572	39	112	131	1,148	\$4,903.48	\$30.00	\$50.00		\$4,086.23	\$4,903.48	\$3.56	4%	\$	5,079.11	2%	\$	4,984.49	2%	\$	5,009.78
25	Car Wash	217	120	0	0	400	565	1,302	\$5,586.90	\$50.00	\$50.00		\$4,655.75	\$5,586.90	\$3.58	1%	\$	5,618.78	-1%	\$	5,514.15	-1%	\$	5,542.15
26	Tim Hortons (Restaurant/Coffee	71	159	159	35	0	0	424	\$2,042.24	\$22.67	\$22.67		\$1,701.87	\$2,042.24	\$4.02	24%	\$	2,532.51	22%	\$	2,485.12	22%	\$	2,497.66
27	Legion	162	230	257	137	105	82	973	\$4,309.55	\$150.00	\$50.00		\$3,591.29	\$4,309.55	\$3.69	4%	\$	4,463.54	2%	\$	4,380.33	2%	\$	4,402.55
28	Rainbow Motel	150	217	216	132	93	90	898	\$4,053.26	\$30.00	\$50.00		\$3,377.72	\$4,053.26	\$3.76	4%	\$	4,197.92	2%	\$	4,119.64	2%	\$	4,140.52
29	offices	149	130	155	146	182	132	894	\$4,041.06	\$150.00	\$50.00		\$3,367.55	\$4,041.06	\$3.77	4%	\$	4,185.27	2%	\$	4,107.23	2%	\$	4,128.05
30	Motel	142	178	122	125	140	147	854	\$3,906.82	\$30.00	\$50.00		\$3,255.68	\$3,906.82	\$3.81	4%	\$	4,046.13	2%	\$	3,970.67	2%	\$	3,990.79
31	Travel Agency	135	202	157	108	111	97	810	\$3,756.30	\$30.00	\$50.00		\$3,130.25	\$3,756.30	\$3.86	4%	\$	3,890.13	2%	\$	3,817.56	2%	\$	3,836.91
32	Flint House (Restaurant)	134	198	152	136	101	82	803	\$3,731.89	\$30.00	\$50.00		\$3,109.91	\$3,731.89	\$3.87	4%	\$	3,864.83	2%	\$	3,792.74	2%	\$	3,811.95
33	Retail Store	134	91	137	127	171	143	803	\$3,731.89	\$150.00	\$50.00	\$786.00												

SPREADSHEET NO. 2 - TOWN OF FORT FRANCES - WATER METERS 2022 CONSUMPTION HISTORY

Business Type	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	2021	2021	2021	2021	2021	2021	2021	Scenario 1	Scenario 2		Scenario 3			
	Nov/Dec	Sep/Oct	Jul/Aug	May/Jun	Mar/Apr	Jan/Feb	Total	Revenue	Meter	Environmental	Hydrants	Revenue	Total Revenue	\$/M3		2022	2022	2022	2022		
	M3	M3	M3	M3	M3	M3	M3		Replacement	Fee											
71	Furniture Retailer	47	46	48	42	51	48	282	\$1,966.38	\$30.00	\$50.00		\$1,638.65	\$1,966.38	\$5.81	3%	\$	2,034.99	2%	\$	2,006.88
72	Construction	47	40	41	57	57	39	281	\$1,962.31	\$32.50	\$50.00		\$1,635.26	\$1,962.31	\$5.82	3%	\$	2,030.77	2%	\$	2,002.72
73	Mr. Sub (Restaurant)	47	31	59	55	47	41	280	\$1,958.24	\$30.00	\$50.00		\$1,631.87	\$1,958.24	\$5.84	3%	\$	2,026.56	2%	\$	1,998.57
74	Investments	46	90	60	27	29	24	276	\$1,946.04	\$30.00	\$50.00		\$1,621.70	\$1,946.04	\$5.88	3%	\$	2,013.91	2%	\$	1,986.09
75	Grocery Store	45	36	43	46	51	50	271	\$1,929.77	\$30.00	\$50.00		\$1,608.14	\$1,929.77	\$5.93	3%	\$	1,997.04	2%	\$	1,969.45
76		44	81	67	27	21	26	266	\$1,913.50	\$30.00	\$50.00		\$1,594.58	\$1,913.50	\$5.99	3%	\$	1,980.18	2%	\$	1,952.82
77	Flooring & Paint Retailer	43	42	42	37	47	45	256	\$1,876.88	\$30.00	\$50.00		\$1,564.07	\$1,876.88	\$6.12	3%	\$	1,942.23	2%	\$	1,915.38
78	Clothing Retailer	41	37	42	40	41	44	245	\$1,840.27	\$30.00	\$50.00		\$1,533.56	\$1,840.27	\$6.26	3%	\$	1,904.29	2%	\$	1,877.95
79	Bank	42	12	124	26	27	19	250	\$1,893.16	\$32.50	\$50.00		\$1,577.63	\$1,893.16	\$6.32	1%	\$	1,921.15	0%	\$	1,894.59
80	restaurant	40	38	44	40	39	39	240	\$1,824.00	\$30.00	\$50.00		\$1,520.00	\$1,824.00	\$6.33	3%	\$	1,887.42	2%	\$	1,861.31
81	Auto Body Shop	39	28	39	33	43	54	236	\$1,811.80	\$30.00	\$50.00		\$1,509.83	\$1,811.80	\$6.39	3%	\$	1,874.77	2%	\$	1,848.84
82	Trucking Company	40	17	15	44	82	44	242	\$1,864.68	\$30.00	\$50.00		\$1,553.90	\$1,864.68	\$6.41	2%	\$	1,895.86	0%	\$	1,869.63
83	Hair Salon	39	44	43	41	36	30	233	\$1,799.59	\$30.00	\$50.00		\$1,499.66	\$1,799.59	\$6.44	3%	\$	1,862.13	2%	\$	1,836.36
84	Mechanic	40	13	21	60	17	88	239	\$1,860.61	\$30.00	\$50.00		\$1,550.51	\$1,860.61	\$6.49	1%	\$	1,883.21	-1%	\$	1,847.86
85	Auto Body Shop (No Sewer)	15	19	18	14	13	12	91	\$732.60	\$30.00	\$50.00		\$610.50	\$732.60	\$6.69	-3%	\$	707.03	-5%	\$	696.92
86	Bank	36	67	45	22	27	20	217	\$1,746.71	\$32.50	\$50.00		\$1,455.59	\$1,746.71	\$6.70	3%	\$	1,807.31	2%	\$	1,782.29
87	Upholstery & Graphic Design	34	36	34	32	38	30	204	\$1,701.96	\$32.50	\$50.00		\$1,418.30	\$1,701.96	\$6.95	3%	\$	1,760.94	2%	\$	1,736.54
88	Trucking Company	34	43	25	24	32	46	204	\$1,701.96	\$30.00	\$50.00		\$1,418.30	\$1,701.96	\$6.95	3%	\$	1,760.94	2%	\$	1,736.54
89	Laundry mat	34	47	36	29	26	31	203	\$1,697.89	\$30.00	\$50.00		\$1,414.91	\$1,697.89	\$6.98	3%	\$	1,756.72	2%	\$	1,732.38
90	Restaurant	35	9	24	43	49	51	211	\$1,771.12	\$30.00	\$50.00		\$1,475.93	\$1,771.12	\$6.99	1%	\$	1,786.23	-1%	\$	1,761.49
91	Health Care Facility	33	27	34	34	31	38	197	\$1,677.55	\$30.00	\$50.00		\$1,397.96	\$1,677.55	\$7.10	3%	\$	1,735.64	2%	\$	1,711.59
92	Clothing Retailer	32	27	29	32	41	30	191	\$1,657.21	\$30.00	\$50.00		\$1,381.01	\$1,657.21	\$7.24	3%	\$	1,714.56	2%	\$	1,690.79
93	Law Office	31	38	38	27	34	19	187	\$1,649.08	\$30.00	\$50.00		\$1,374.23	\$1,649.08	\$7.34	3%	\$	1,701.91	1%	\$	1,669.93
94	Office Supplies Retailer	31	34	26	33	33	28	185	\$1,636.87	\$30.00	\$50.00		\$1,364.06	\$1,636.87	\$7.38	3%	\$	1,693.48	2%	\$	1,669.99
95	Gymnastic Club	30	26	44	35	26	21	182	\$1,628.74	\$49.33	\$49.33		\$1,357.28	\$1,628.74	\$7.44	3%	\$	1,685.04	2%	\$	1,661.68
96	Office Space/Apartments	30	39	41	35	23	13	181	\$1,653.14	\$30.00	\$50.00		\$1,377.62	\$1,653.14	\$7.60	2%	\$	1,680.83	0%	\$	1,657.52
97	Vet	33	9	0	92	32	31	197	\$1,803.66	\$150.00	\$50.00		\$1,503.05	\$1,803.66	\$7.64	-4%	\$	1,735.64	-6%	\$	1,711.59
98	Newspaper	29	26	25	28	35	30	173	\$1,596.19	\$30.00	\$50.00		\$1,330.16	\$1,596.19	\$7.70	3%	\$	1,651.31	2%	\$	1,628.40
99	Plumbing & Heating	31	2	13	46	44	50	186	\$1,742.64	\$30.00	\$50.00		\$1,452.20	\$1,742.64	\$7.81	-3%	\$	1,697.69	-4%	\$	1,674.15
100	Hair Salon	28	21	51	27	21	19	167	\$1,579.92	\$30.00	\$50.00		\$1,316.60	\$1,579.92	\$7.89	3%	\$	1,630.23	1%	\$	1,599.58
101		25	26	29	25	21		126	\$1,219.19	\$120.00	\$40.00		\$1,015.99	\$1,219.19	\$8.05	22%	\$	1,487.76	20%	\$	1,467.06
102		27	22	16	24	37	34	160	\$1,567.72	\$30.00	\$50.00		\$1,306.43	\$1,567.72	\$8.19	2%	\$	1,604.94	0%	\$	1,582.65
103	Real Estate	25	26	27	24	23	27	152	\$1,527.04	\$30.00	\$50.00		\$1,272.53	\$1,527.04	\$8.35	3%	\$	1,579.64	1%	\$	1,549.93
104	Hair Salon	27	34	60	3	27	13	164	\$1,665.35	\$30.00	\$50.00		\$1,387.79	\$1,665.35	\$8.44	-3%	\$	1,621.80	-4%	\$	1,599.29
105	Hair Salon	27	40	45	6	25	17	160	\$1,620.60	\$30.00	\$50.00		\$1,350.50	\$1,620.60	\$8.46	-1%	\$	1,604.94	-3%	\$	1,582.65
106		26	13	12	18	62	24	155	\$1,604.33	\$30.00	\$50.00		\$1,336.94	\$1,604.33	\$8.64	-1%	\$	1,588.07	-3%	\$	1,566.02
107	Education Institute	29	114	5	19	4	1	172	\$1,799.59	\$30.00	\$50.00		\$1,499.66	\$1,799.59	\$8.74	-8%	\$	1,647.10	-10%	\$	1,624.24
108	Bank	28	109	9	8	6	9	169	\$1,779.25	\$30.00	\$50.00		\$1,482.71	\$1,779.25	\$8.76	-8%	\$	1,638.67	-10%	\$	1,615.92
109		26	62	31	17	10	9	155	\$1,632.80	\$30.00	\$50.00		\$1,360.67	\$1,632.80	\$8.79	-3%	\$	1,588.07	-5%	\$	1,566.02
110	Motel	24	25	19	16	18	42	144	\$1,527.04	\$30.00	\$50.00		\$1,272.53	\$1,527.04	\$8.84	2%	\$	1,550.12	0%	\$	1,528.58
111	Boston Pizza (Restaurant)	24	27	25	14	20	32	142	\$1,514.83	\$150.00	\$50.00		\$1,262.36	\$1,514.83	\$8.91	2%	\$	1,541.69	0%	\$	1,520.26
112	Trucking Company	23	22	20	16	25	34	140	\$1,502.63	\$30.00	\$50.00		\$1,252.19	\$1,502.63	\$8.92	2%	\$	1,537.48	0%	\$	1,516.11
113		24	39	41	18	15	9	146	\$1,579.92	\$150.00	\$50.00		\$1,316.60	\$1,579.92	\$8.99	-1%	\$	1,558.56	-3%	\$	1,536.90
114	Construction Company	23	26	24	15	32	19	139	\$1,506.70	\$30.00	\$50.00		\$1,255.58	\$1,506.70	\$9.02	2%	\$	1,533.26	0%	\$	1,511.95
115	Bell Telephone	22	32	25	19	18	18	134	\$1,486.36	\$150.00	\$50.00	\$187.50	\$1,238.63	\$1,486.36	\$9.22	2%	\$	1,516.39	0%	\$	1,495.31
116	U Brew Cheers	0	19	34	33	32	24	142	\$1,314.97	\$29.00	\$48.33		\$1,314.97	\$1,314.97	\$9.26						
117	Landscaping	22	17	28	18	22	25	132	\$1,478.22	\$30.00	\$50.00		\$1,231.85	\$1,478.22	\$9.33	2%	\$	1,507.96	0%	\$	1,486.99
118	Tess's Kitchen (Restaurant)	21	25	26	17	21	17	127	\$1,466.02	\$30.00	\$50.00		\$1,221.68	\$1,466.02	\$9.60	2%	\$	1,491.10	0%	\$	1,470.35
119	Motel	23	74	29	4	3	5	138	\$1,673.48	\$50.00	\$50.00		\$1,394.57	\$1,673.48	\$10.11	-9%	\$	1,529.04	-10%	\$	1,507.79
120	Hair Salon	21	28	33	0	28	15	125	\$1,535.17	\$30.00	\$50.00		\$1,279.31	\$1,535.17	\$10.25	-3%	\$	1,482.66	-5%	\$	1,462.04
121	Hair Salon				15	27	23	65	\$683.46	\$18.50	\$27.50		\$683.46	\$683.46	\$10.51						
122	Bank	19	20	15	19	20	19	112	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$10.58	1%	\$	1,436.29	-1%	\$	1,416.29
123	Tire Shop	18	20	18	17	19	18	110	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$10.70	1%	\$	1,432.07	-1%	\$	1,412.13
124	Contractor					3	25	28	\$300.39	\$7.20	\$12.00		\$300.39	\$300.39	\$10.73						
125	Accounting Office	21	2	1	2	31	71	128	\$1,669.42	\$30.00	\$50.00		\$1,391.18	\$1,669.42	\$10.83	-10%	\$	1,495.31	-12%	\$	1,474.51
126	Car Dealership	19	53	6	9	19	9	115	\$1,551.44	\$30.00	\$50.00		\$1,292.87	\$1,551.44	\$11.22	-7%	\$	1,448.94	-8%	\$	1,428.76
127	Clothing Retailer	18	11	12	9	23	37	110	\$1,498.56	\$30.00	\$50.00		\$1,248.80	\$1,498.56	\$11.31	-4%	\$	1,432.07	-6%	\$	1,412.13
128	Chiropractor	18	10	12	11	20	35	106	\$1,478.22	\$30.00	\$50.00		\$1,231.85	\$1,478.22	\$11.67	-4%	\$	1,415.21	-6%	\$	1,395.49
129	Drug Store	17	12	14	19	25	15	102	\$1,437.54	\$30.00	\$50.00		\$1,197.95	\$1,437.54	\$11.74	-2%	\$	1,402.56	-4%	\$	1,383.01
130	Club 88 (Night Club)						3	3	\$35.44	\$0.67	\$0.67		\$35.44	\$35.44	\$11.81						
131	Printing	17	26	11	11	28	10	103	\$1,474.15	\$30.00	\$50.00		\$1,228.46	\$1,474.15	\$11.90	-5%	\$	1,406.77	-6%	\$	1,387.17
132	Bargain Shop	17	14	29	8	13	21	102	\$1,457.88	\$32.50	\$50.00	\$598.50	\$1,214.90	\$1,457.88	\$11.91	-4%	\$	1,402.56	-6%	\$	1,383.01
133	The Place (Grocery Store)	16	17	17	16	16	14	96	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$12.30	-3%	\$	1,381.48	-4%	\$	1,362.22
134	Furniture Retailer																				

SPREADSHEET NO. 2 - TOWN OF FORT FRANCES - WATER METERS 2022 CONSUMPTION HISTORY

Business Type	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	2021	2021	2021	2021	2021	2021	2021	Scenario 1	Scenario 2		Scenario 3	
	Nov/Dec	Sep/Oct	Jul/Aug	May/Jun	Mar/Apr	Jan/Feb	Total	Revenue	Meter	Environmental	Hydrants	Revenue	Total Revenue	\$/M3		2022		2022	
	M3	M3	M3	M3	M3	M3	M3		Replacement	Fee						% Increase	Annual Rate	% Increase	
146	Gas Station	12	5	9	14	22	9	71	\$1,425.34	\$30.00	\$50.00		\$1,187.78	\$1,425.34	\$16.78	-9%	\$ 1,292.93	-11%	\$ 1,268.54
147	Law Office	11	9	22	8	8	7	65	\$1,425.34	\$30.00	\$50.00		\$1,187.78	\$1,425.34	\$18.33	-11%	\$ 1,271.85	-12%	\$ 1,247.85
148	Electronics Retailer	10	3	2	7	13	27	62	\$1,445.68	\$30.00	\$50.00		\$1,204.73	\$1,445.68	\$19.31	-13%	\$ 1,263.42	-14%	\$ 1,239.57
149	Railway Company	10	9	9	10	10	11	59	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$20.09	-12%	\$ 1,250.77	-13%	\$ 1,227.16
150	General Supply Retailer	10	10	8	10	11	10	59	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$20.09	-12%	\$ 1,250.77	-13%	\$ 1,227.16
151	Locker Eye Glasses	10	7	8	9	13	11	58	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$20.50	-12%	\$ 1,246.56	-14%	\$ 1,223.02
152	Dollar Store	10	6	10	9	11	12	58	\$1,417.20	\$32.50	\$50.00		\$1,181.00	\$1,417.20	\$20.50	-12%	\$ 1,246.56	-14%	\$ 1,223.02
153	Insurance	9	15	9	5	10	8	56	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$20.94	-12%	\$ 1,242.34	-14%	\$ 1,218.88
154	Electronics Retailer	9	3	13	3	2	26	56	\$1,441.61	\$30.00	\$50.00		\$1,201.34	\$1,441.61	\$21.30	-14%	\$ 1,242.34	-15%	\$ 1,218.88
155	K & M Trucking				5	12	11	28	\$598.37	\$15.20	\$25.33		\$598.37	\$598.37	\$21.37				
156	Retail Store	9	15	8	7	8	7	54	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$21.87	-13%	\$ 1,233.91	-15%	\$ 1,210.61
157	Mike Carmody Equipment	9	16	15	11	1	1	53	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$22.37	-13%	\$ 1,229.69	-15%	\$ 1,206.47
158	Law Office	9	10	8	8	9	8	52	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$22.89	-14%	\$ 1,225.48	-15%	\$ 1,202.33
159	Accounting Office	8	7	6	7	13	9	50	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$23.43	-14%	\$ 1,221.26	-15%	\$ 1,198.19
160	Beer Store	8	9	8	9	8	7	49	\$1,417.12	\$30.00	\$50.00		\$1,180.93	\$1,417.12	\$24.00	-14%	\$ 1,217.04	-16%	\$ 1,194.06
161	Furniture Retailer	8	8	8	7	9	9	49	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$24.00	-14%	\$ 1,217.04	-16%	\$ 1,194.06
162	Frequency Hearing	5	7	3				15	\$434.60	\$9.20	\$15.33		\$362.17	\$434.60	\$24.14	152%	\$ 1,096.88	148%	\$ 1,076.12
163		8	19	5	6	5	4	47	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$25.24	-15%	\$ 1,208.61	-16%	\$ 1,185.78
164	Chiropractor	8	9	7	8	8	7	47	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$25.24	-15%	\$ 1,208.61	-16%	\$ 1,185.78
165	Flooring Retailer	7	8	7	6	10	6	44	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$26.60	-15%	\$ 1,200.18	-17%	\$ 1,177.50
166	Duty Free	7	7	7	4	10	9	44	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$26.60	-15%	\$ 1,200.18	-17%	\$ 1,177.50
167		7	11	9	5	8	3	43	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$27.34	-16%	\$ 1,195.96	-17%	\$ 1,173.37
168	Border Travel	7	8	6	10	5	7	43	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$27.34	-16%	\$ 1,195.96	-17%	\$ 1,173.37
169		7	0	0	6	21		34	\$1,137.83	\$23.00	\$38.33		\$948.19	\$1,137.83	\$28.09	2%	\$ 1,162.76	0%	\$ 1,140.78
170	R&B Auto	7	6	6	5	8	8	40	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$29.82	-17%	\$ 1,183.31	-18%	\$ 1,160.95
171		7	8	3	4	8	10	40	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$29.82	-17%	\$ 1,183.31	-18%	\$ 1,160.95
172		6	11	8	5	6	2	38	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$30.76	-17%	\$ 1,179.10	-18%	\$ 1,156.81
173	Customs Building	6	0	1	8	17	6	38	\$1,417.20	\$50.00	\$50.00		\$1,181.00	\$1,417.20	\$30.76	-17%	\$ 1,179.10	-18%	\$ 1,156.81
174	vacant	6	6	9	8	7	0	36	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$32.81	-17%	\$ 1,170.66	-19%	\$ 1,148.54
175		6	9	8	0	7	5	35	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$33.94	-18%	\$ 1,166.45	-19%	\$ 1,144.40
176	Retail Store	6	4	6	5	5	9	35	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$33.94	-18%	\$ 1,166.45	-19%	\$ 1,144.40
177	Clothing/Sporting Good Retailer	6	4	4	4	5	11	34	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$35.15	-18%	\$ 1,162.23	-20%	\$ 1,140.26
178	Warehouse	6	10	5	6	6	1	34	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$35.15	-18%	\$ 1,162.23	-20%	\$ 1,140.26
179	Jewellery Store	5	6	6	5	5	5	32	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$36.45	-18%	\$ 1,158.02	-20%	\$ 1,136.12
180	Florist	5	5	6	6	7	1	30	\$1,327.44	\$28.10	\$46.83		\$1,106.20	\$1,327.44	\$36.87	-13%	\$ 1,149.58	-15%	\$ 1,127.85
180	Florist					2	2	2	\$74.80	\$1.90	\$3.17		\$74.80	\$74.80	\$37.40				
182	Piston Ring	5	6	5	4	6	5	31	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$37.85	-19%	\$ 1,153.80	-20%	\$ 1,131.99
183	Retail Store	5	6	5	4	5	6	31	\$1,417.20	\$32.50	\$50.00		\$1,181.00	\$1,417.20	\$37.85	-19%	\$ 1,153.80	-20%	\$ 1,131.99
184	Electronics Retailer	5	5	4	6	6	4	30	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$39.37	-19%	\$ 1,149.58	-20%	\$ 1,127.85
185	Clothing Retailer	5	7	6	4	4	3	29	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$41.01	-19%	\$ 1,145.37	-21%	\$ 1,123.71
186	Herbal Magic			2	5	7	6	20	\$830.64	\$21.10	\$35.17		\$830.64	\$830.64	\$41.53				
187	Electrician	5	5	4	4	5	5	28	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$42.79	-19%	\$ 1,141.15	-21%	\$ 1,119.57
188	Jay Burnett	4	5	3	6	5	2	25	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$46.87	-20%	\$ 1,132.72	-22%	\$ 1,111.30
189		4	4	5	4	4	3	24	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$49.21	-20%	\$ 1,128.50	-22%	\$ 1,107.16
190	West End Motors	3	2	6	1			12	\$708.60	\$15.00	\$25.00		\$590.50	\$708.60	\$49.21	53%	\$ 1,086.34	50%	\$ 1,065.78
191	Lakehead Freightways	4	3	4	3	4	4	22	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$54.68	-21%	\$ 1,120.07	-22%	\$ 1,098.88
192	Optometrist	4	4	4	3	4	3	22	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$54.68	-21%	\$ 1,120.07	-22%	\$ 1,098.88
193	Office Supplies Retailer	3	4	3	3	3	4	20	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$57.89	-21%	\$ 1,115.85	-23%	\$ 1,094.74
194	Bowling Alley			0	0	1	13	14	\$822.76	\$20.90	\$34.83		\$822.76	\$822.76	\$58.77				
195	Tourist Information	3	3	2	4	4	3	19	\$1,398.30	\$32.07	\$49.33		\$1,165.25	\$1,398.30	\$60.69	-21%	\$ 1,111.64	-22%	\$ 1,090.61
196	Fastenal Canada	3	3	3	3	3	4	19	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$61.51	-22%	\$ 1,111.64	-23%	\$ 1,090.61
197		3	5	0	3	5	2	18	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$65.61	-22%	\$ 1,107.42	-23%	\$ 1,086.47
198		3	3	3	2	2	3	16	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$75.71	-22%	\$ 1,098.99	-24%	\$ 1,078.19
199	Construction Company	2	2	4	2	2	2	14	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$82.01	-23%	\$ 1,094.77	-24%	\$ 1,074.05
200		2	2	2	2	3	3	14	\$1,417.20	\$32.50	\$50.00		\$1,181.00	\$1,417.20	\$82.01	-23%	\$ 1,094.77	-24%	\$ 1,074.05
201	vacant	2	3	1	0		6	13	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$89.47	-23%	\$ 1,090.56	-25%	\$ 1,069.92
202	Tire Shop	2	2	1				5	\$491.29	\$10.40	\$17.33		\$409.41	\$491.29	\$90.98	116%	\$ 1,059.99	112%	\$ 1,039.92
203	Forestry Company	2	2	1	2	3	2	12	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$98.42	-23%	\$ 1,086.34	-25%	\$ 1,065.78
204	Land Titles Building	2	1	2	2	1	3	11	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$109.35	-24%	\$ 1,082.12	-25%	\$ 1,061.64
205	office	2	0	1	3	2	3	11	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$109.35	-24%	\$ 1,082.12	-25%	\$ 1,061.64
206	Construction (No Sewer)	1	1	0	1	1	1	5	\$732.60	\$30.00	\$50.00		\$610.50	\$732.60	\$127.19	-24%	\$ 554.71	-26%	\$ 544.08
207		1	2	1	1	2	1	8	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$140.60	-24%	\$ 1,073.69	-26%	\$ 1,053.36
208	Cable Company	1	1	1	2	2	1	8	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$140.60	-24%	\$ 1,073.69	-26%	\$ 1,053.36
209	Clothing Retailer	1	1	2	1	1	2	8	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$140.60	-24%	\$ 1,073.69	-26%	\$ 1,053.36
210	Health Care Facility	1	2	1	1	2	1	8	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$140.60	-24%	\$ 1,073.69	-26%	\$ 1,053.36
211	Hair Salon	1	1	1	1	3	1	8	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$140.60	-24%	\$ 1,073.69	-26%	\$ 1,053.36
212	Clothing Retailer	1	1	2	1	1	7	7	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$164.03	-25%	\$ 1,069.47	-26%	\$ 1,049.23
213	Insurance	1	1	2	1	1	1	7	\$1,417.20	\$30.00</									

SPREADSHEET NO. 2 - TOWN OF FORT FRANCES - WATER METERS 2022 CONSUMPTION HISTORY

Business Type	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	2021	2021	2021	2021	2021	2021	2021	Scenario 1		Scenario 2		Scenario 3		
	Nov/Dec	Sep/Oct	Jul/Aug	May/Jun	Mar/Apr	Jan/Feb	Total	Revenue	Meter Replacement	Environmental Fee	Hydrants	Revenue	Total Revenue	\$/M3	2022	2022	2022	2022	2022	2022	
	M3	M3	M3	M3	M3	M3	M3								% Increase	Annual Rate	% Increase	Annual Rate	% Increase	Annual Rate	
221	KFC (Restaurant)							0						-							
222	Trucking Company							0						-							
223	Pulp & Paper Mill							0						-							
224	Nelson St. Scale Shack													-							
225	Vacant							0						-							
226	Rendezvous (Restaurant)							0			-			-							
227	Old Library							0			-			-							
228	Peat Moss Plant							0						-							
229	Road Management (No Sewer)							0			-			-							
230	Pulp & Paper Mill							0			-			-							
231								0						#DIV/0!							
232	Pizza Hut	0	0					0	\$330.68	\$7.00	\$11.67		\$275.57	\$330.68	#DIV/0!	216%	\$ 1,044.18	-27%	\$ 1,029.84	211%	\$ 1,029.49
233	DeGagne Construction	0	0	0	0	0	0	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	#DIV/0!	-26%	\$ 1,044.18	73%	\$ 1,030.84	-27%	\$ 1,029.49	
234		0	0					\$56.69	\$1.20	\$2.00		\$47.24	\$56.69	#DIV/0!	1742%	\$ 1,044.18	173%	\$ 1,031.84	1716%	\$ 1,029.49	
235	Potato Chip Distributor	0	0	0	0	0	0	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	#DIV/0!	-26%	\$ 1,044.18	273%	\$ 1,032.84	-27%	\$ 1,029.49	
236	Law Office	0	0	0	0	0	0	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	#DIV/0!	-26%	\$ 1,044.18	373%	\$ 1,033.84	-27%	\$ 1,029.49	
237	Recreational	0	0	0	0	0	0	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	#DIV/0!	-26%	\$ 1,044.18	473%	\$ 1,034.84	-27%	\$ 1,029.49	
238	UPS Store	0	0	0	0	0	0	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	#DIV/0!	-26%	\$ 1,044.18	573%	\$ 1,035.84	-27%	\$ 1,029.49	
239								0						#DIV/0!							
240								0						#DIV/0!							
241	Chiropractor	0	0	0	0	0	0	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	#DIV/0!	-26%	\$ 1,044.18	873%	\$ 1,038.84	-27%	\$ 1,029.49	
242	Cemetery	0	0	0	0	0	0	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	#DIV/0!	-26%	\$ 1,044.18	973%	\$ 1,039.84	-27%	\$ 1,029.49	
		17,016	16,616	24,766	16,345	15,001	13,551	103,295	597,352	\$ 9,015.29	\$ 11,009.17	\$ 4,903.50	\$ 499,278.73	#DIV/0!		\$ 589,140.30		\$ 578,209.77		\$ 581,039.60	

INSTITUTIONAL METERS

1	Hospital	5,420	5,668	6,087	5,788	5,167	4,389	32,519	\$129,068.47	\$225.00	\$50.00		\$107,557.06	\$129,068.47	\$3.31	3%	\$	133,373.75	1%	\$	130,899.49	2%	\$	131,567.36
2	Rainycrest Home for Aged	4,390	4,456	5,620	4,019	4,020	3,833	26,338	\$104,714.54	\$225.00	\$50.00		\$87,262.12	\$104,714.54	\$3.31	3%	\$	108,207.71	1%	\$	106,200.23	2%	\$	106,742.06
3	Pool	1,782	1,160	2,458	2,130	2,258	1,387	10,693	\$43,075.61	\$225.00	\$50.00		\$35,896.34	\$43,075.61	\$3.36	3%	\$	44,513.36	1%	\$	43,687.30	2%	\$	43,910.11
4	Fort Frances High School	601	896	587	385	601	537	3,607	\$15,156.77	\$170.00	\$50.00		\$12,630.64	\$15,156.77	\$3.50	3%	\$	15,663.53	1%	\$	15,372.59	2%	\$	15,450.90
5	Customs Building	495	472	532	464	462	543	2,968	\$12,636.74	\$50.00	\$50.00		\$10,530.62	\$12,636.74	\$3.55	3%	\$	13,059.47	1%	\$	12,816.83	2%	\$	12,882.10
6	Sewage Treatment Plant	446	580	530	365	370	385	2,676	\$11,487.84	\$150.00	\$50.00		\$9,573.20	\$11,487.84	\$3.58	3%	\$	11,872.26	1%	\$	11,651.64	2%	\$	11,710.96
7	Ontario District Jail	420	382	382	309	505	521	2,519	\$10,868.47	\$150.00	\$50.00	\$187.50	\$9,057.06	\$10,868.47	\$3.60	3%	\$	11,232.24	1%	\$	11,023.48	2%	\$	11,079.60
8	Fort Frances Clinic	387	350	1,007	269	144	165	2,322	\$10,093.08	\$50.00	\$50.00		\$8,410.90	\$10,093.08	\$3.62	3%	\$	10,430.99	1%	\$	10,237.10	2%	\$	10,289.20
9	Health Care Facility	357	532	432	289	293	241	2,144	\$9,393.34	\$30.00	\$50.00		\$7,827.78	\$9,393.34	\$3.65	3%	\$	9,707.91	1%	\$	9,527.43	2%	\$	9,575.91
10	Robert Moore School	462	415	1,895	0	0	0	2,772	\$12,149.76	\$170.00	\$50.00		\$10,124.80	\$12,149.76	\$3.65	1%	\$	12,263.11	-1%	\$	12,035.24	0%	\$	12,096.52
11	Park/Water Fountain	159	17	320	140			636	\$2,836.08	\$15.60	\$26.00		\$2,363.40	\$2,836.08	\$3.72	26%	\$	3,566.63	23%	\$	3,500.07	24%	\$	3,517.79
12	J. W. Walker School	251	396	109	182	287	282	1,507	\$6,882.77	\$150.00	\$50.00	\$187.50	\$5,735.64	\$6,882.77	\$3.81	3%	\$	7,113.62	1%	\$	6,981.27	2%	\$	7,016.75
13	Public Works	215	169	260	352	217	76	1,289	\$6,022.27	\$50.00	\$50.00		\$5,018.56	\$6,022.27	\$3.89	3%	\$	6,224.43	1%	\$	6,108.57	2%	\$	6,139.60
14	St. Mary's School	193	290	168	99	227	181	1,158	\$5,506.92	\$225.00	\$50.00		\$4,589.10	\$5,506.92	\$3.96	3%	\$	5,691.90	1%	\$	5,585.91	2%	\$	5,614.28
15	MNR	187	201	203	171	185	174	1,121	\$5,360.35	\$150.00	\$50.00	\$187.50	\$4,466.96	\$5,360.35	\$3.99	3%	\$	5,540.44	1%	\$	5,437.26	2%	\$	5,464.87
16	Ambulance Garage	165	171	168	155	158	173	990	\$4,845.00	\$30.00	\$50.00		\$4,037.50	\$4,845.00	\$4.08	3%	\$	5,007.90	1%	\$	4,914.60	2%	\$	4,939.55
17	Offices	170	0	785	15	30	18	1,018	\$5,081.40	\$30.00	\$50.00		\$4,234.50	\$5,081.40	\$4.16	1%	\$	5,120.27	-1%	\$	5,024.89	-1%	\$	5,050.39
18	Public Library	132	162	189	200	43	68	794	\$4,074.34	\$150.00	\$50.00		\$3,395.28	\$4,074.34	\$4.27	3%	\$	4,211.54	1%	\$	4,133.01	2%	\$	4,153.96
19	St. Francis School	84	84	142	76	44	73	503	\$2,925.43	\$32.50	\$50.00	\$187.50	\$2,437.86	\$2,925.43	\$4.85	3%	\$	3,024.33	1%	\$	2,967.82	2%	\$	2,982.82
20	Sportsplex	86	205	11	10	70	136	518	\$3,076.73	\$170.00	\$50.00	\$786.00	\$2,563.94	\$3,076.73	\$4.95	0%	\$	3,087.84	-2%	\$	3,030.15	-1%	\$	3,045.48
21	St. Francis School	70	152	57	25	48	69	421	\$2,603.93	\$32.50	\$50.00		\$2,169.94	\$2,603.93	\$5.15	3%	\$	2,692.10	1%	\$	2,641.76	2%	\$	2,655.10
22	Office	60	76	59	59	58	46	358	\$2,353.34	\$30.00	\$50.00		\$1,961.12	\$2,353.34	\$5.48	3%	\$	2,433.16	1%	\$	2,387.62	2%	\$	2,399.66
23	OPP Station	56	50	60	46	57	67	336	\$2,268.24	\$225.00	\$50.00		\$1,890.20	\$2,268.24	\$5.63	3%	\$	2,345.22	1%	\$	2,301.31	2%	\$	2,312.91
24	Offices	56	38	48	50	68	74	334	\$2,258.78	\$30.00	\$50.00		\$1,882.32	\$2,258.78	\$5.64	3%	\$	2,335.45	1%	\$	2,291.72	2%	\$	2,303.27
25	Park	26	28	67	34	0	0	155	\$1,176.55	\$18.53	\$28.50		\$980.46	\$1,176.55	\$6.33	37%	\$	1,607.48	34%	\$	1,577.26	35%	\$	1,585.17
26	Northwestern Health Unit	53	31	34	64	81	55	318	\$2,197.32	\$30.00	\$50.00		\$1,831.10	\$2,197.32	\$5.76	3%	\$	2,271.93	1%	\$	2,229.38	2%	\$	2,240.62
27	Post Office	53	29	51	43	83	58	317	\$2,192.59	\$32.50	\$50.00		\$1,827.16	\$2,192.59	\$5.77	3%	\$	2,267.05	1%	\$	2,224.59	2%	\$	2,235.80
28	Offices	52	18	38	15	44	147	314	\$2,216.23	\$30.00	\$50.00		\$1,846.86	\$2,216.23	\$5.87	2%	\$	2,257.28	0%	\$	2,215.00	0%	\$	2,226.16
29	MTO	52	28	80	98	48	5	311	\$2,239.87	\$30.00	\$50.00		\$1,866.56	\$2,239.87	\$6.01	0%	\$	2,242.62	-2%	\$	2,200.61	-1%	\$	2,211.70
30	Court House	48	27	25	59	79	48	286	\$2,069.66	\$150.00	\$50.00	\$187.50	\$1,724.72	\$2,069.66	\$6.04	3%	\$	2,140.02	1%	\$	2,099.92	2%	\$	2,110.49
31	MNR	43	33	79	56	21	27	259	\$1,965.65	\$32.50	\$50.00		\$1,638.04	\$1,965.65	\$6.32	3%	\$	2,032.54	1%	\$	1,994.42	2%	\$	2,004.46
32	Ambulance Garage	43	40	43	42	43	47	258	\$1,960.92	\$30.00	\$50.00		\$1,634.10	\$1,960.92	\$6.33	3%	\$	2,027.65	1%	\$	1,989.63	2%	\$	1,999.64
33	Daycare	42	48	42	56	47	15	250	\$1,951.46	\$50.00	\$50.00		\$1,626.22	\$1,951.46	\$6.52	2%	\$	1,993.45	0%	\$	1,956.06	1%	\$	1,965.91
34		36	35	26	24	60	36	217	\$1,800.17	\$30.00	\$50.00		\$1,500.14	\$1,800.17	\$6.91	3%	\$	1,861.54	1%	\$	1,826.60	2%	\$	1,835.78
35	School Board Office	30	52	22	31	39	7	181	\$1,719.79	\$32.50	\$50.00		\$1,433.16	\$1,719.79	\$7.91	0%	\$	1,714.97	-2%	\$	1,682.75	-2%	\$	1,691.20
36	Institutional			1	17	32	38	88	\$846.48	\$18.50	\$30.83		\$846.48	\$846.48	\$9.62									
37	MNR	21	18	23	32	17	14	125	\$1,488.12	\$150.00	\$50.00		\$1,240.10	\$1,488.12	\$9.94	0%	\$	1,485.34	-2%	\$	1,457.38	-2%	\$	1,464.68
38	Museum	18	20	28	14	16	14	110	\$1,455.02	\$30.00	\$50.00		\$1,212.52	\$1,455.02	\$10.98	-2%	\$	1,426.71	-4%	\$	1,399.84	-3%	\$	1,406.84
39	School Board Office	18	25	14	16	20	14	107	\$1,440.84	\$50.00	\$50.00		\$1,200.70	\$1,440.84	\$11.24	-2%	\$	1,412.06	-4%	\$	1,385.45	-3%	\$	1,392.39
40							20	20	\$236.20	\$30.00	\$10.00		\$236.20	\$236.20	\$11.81									
41	Sister Kennedy Centre	8	27	15	0	0	0	50	\$793.66	\$17.44	\$26.83		\$661.38	\$793.66	\$13.12	49%	\$	1,182.43	46%	\$	1,160.09	47%	\$	1,165.87
42	Youth Justice Facility	16	20	20	15	15	10	96	\$1,417.20	\$150.00	\$50.00		\$1,181.00	\$1,417.20	\$12.30	-3%	\$	1,368.09	-5%	\$	1,342.30	-5%	\$	1,349.01
43	McIrvine Rink	14	0	0	0	0	72	86	\$1,663.06	\$50.00	\$50.00		\$1,385.88	\$1,663.06	\$16.04	-20%	\$	1,329.00	-22%	\$	1,303.94	-21%	\$	1,310.45
44	St. Michael's School	12	12	12	12	13	12	73	\$1,417.20	\$150.00	\$50.00		\$1,181.00	\$1,417.20	\$16.13	-10%	\$	1,275.26	-12%	\$	1,251.19	-11%	\$	1,257.44
45	Probation Office	11	11	12	10	13	10	67	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$17.57	-12%	\$	1,250.83	-13%	\$	1,227.22	-13%	\$	1,233.34
46	Northwestern Health Unit	11	15	12	9	10	10	67	\$1,417.20	\$32.50	\$50.00		\$1,181.00	\$1,417.20	\$17.57	-12%	\$	1,250.83	-13%	\$	1,227.22	-13%	\$	1,233.34
47	Utility Company	10	11	11	10	11	9	62	\$1,417.20	\$32.50	\$50.00		\$1,181.00	\$1,417.20	\$18.93	-100%	\$	-	-100%	\$	-	-100%	\$	-
48	Office	10	13	2	2	13	18	58	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$20.50	-14%	\$	1,211.75	-16%	\$	1,188.86	-16%	\$	1,194.79
49	Utility Company	9	7	6	6	11	14	53	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$22.37	-16%	\$	1,192.20	-17%	\$	1,169.68	-17%	\$	1,175.51
50	East End Hall	6	2	0	1	3	25	37	\$1,440.84	\$32.50	\$50.00		\$1,200.70	\$1,440.84	\$32.28	-22%	\$	1,128.69	-23%	\$	1,107.34	-23%	\$	1,112.85
51	Town Hall	4	1	0	1	2	15	23	\$1,417.20	\$170.00	\$50.00		\$1,181.00	\$1,417.20	\$51.80	-24%	\$	1,070.06	-26%	\$	1,049.80	-26%	\$	1,055.02

SPREADSHEET NO. 2 - TOWN OF FORT FRANCES - WATER METERS 2022 CONSUMPTION HISTORY

Business Type	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	2021	2021	2021	2021	2021	2021	2021	Scenario 1		Scenario 2		Scenario 3		
	Nov/Dec	Sep/Oct	Jul/Aug	May/Jun	Mar/Apr	Jan/Feb	Total	Revenue	Meter Replacement	Environmental Fee	Hydrants	Revenue	Total Revenue	\$/M3	2022	2022	2022	2022	2022	2022	
	M3	M3	M3	M3	M3	M3	M3								% Increase	Annual Rate	% Increase	Annual Rate	% Increase	Annual Rate	
52		1	3	3	0	0	0	7	\$566.88	\$12.00	\$20.00		\$472.40	\$566.88	\$65.61	78%	\$ 1,006.55	74%	\$ 987.47	75%	\$ 992.37
53	Institutional	1	1	1	0	0	1	4	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$328.06	-30%	\$ 991.89	-31%	\$ 973.08	-31%	\$ 977.91
54	MPAC Office	0	1	0	0	1	0	2	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$492.08	-30%	\$ 987.01	-32%	\$ 968.29	-31%	\$ 973.09
55	Institutional	0	0	2	0	0	0	2	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	\$492.08	-30%	\$ 987.01	-32%	\$ 968.29	-31%	\$ 973.09
56	North End Rink							0							-						
57	Public Works Dog Pound	0	0	0	0	0	0	0	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	#DIV/0!	-31%	\$ 977.23	-32%	\$ 958.70	-32%	\$ 963.45
58	Sports Field							0							#DIV/0!						
59	Park														#DIV/0!						
60	Park							0							#DIV/0!						
61	Park	0	0	0	0	0	0	0	\$1,417.20	\$30.00	\$50.00		\$1,181.00	\$1,417.20	#DIV/0!	-31%	\$ 977.23	-32%	\$ 958.70	-32%	\$ 963.45
62	Rainy Lake Square							0							#DIV/0!						
Total		0	20,639	21,528	20,515	16,986	17,883	103,544		\$ 4,931.74	\$ 3,245.32	\$ 1,891.80	\$ 465,498.15		\$ 467,389.95	\$ 473,645.87	\$ 464,838.31		\$ 467,202.97		
Grandtotal								206,839		\$ 15,907.89	\$ 16,580.31	\$ 7,274.40	\$ 1,087,589.91		\$ 1,094,864.31						
FLAT RATE COMMERCIAL																					
1	Lot	-	-	-	-	-	-	-		-	-	-	-		-						
2	Water Treatment Plant	-	-	-	0	-	0	-		-	\$50.00	\$0.00	\$1,181.00		\$1,181.00						
3	Parking Lot	-	-	-	-	-	-	-		-		-			-						
4	Point Park Office	-	-	-	-	-	-	-		-											
5	Point Park Sanitary Pump Station	-	-	-	-	-	-	-		-											
Total										\$ -	\$ 50.00	\$ -	\$ 1,181.00		\$1,181.00						
Grandtotal										\$ 15,907.89	\$ 16,630.31	\$ 7,274.40	\$ 1,088,770.91		\$ 1,096,045.31						
COUCHICHING																					
1	Non-Resident	1,800	1,866	2,199	1,405	1,663	1,867	10,800		\$420.00			\$54,188.30	\$54,188.30	\$5.02						
2	Non-Resident	16,648	15,470	23,470	16,130	13,740	14,430	99,888		\$700.00			\$501,113.10	\$501,113.10	\$5.02						
Total		18448	17336	25669	17535	15403	16297	110,688		\$ 1,120.00	\$ -	\$ -	\$ 555,301.40		\$ 10.03						
Grandtotal								332,535		\$ 1,120.00	\$ 50.00	\$ -	\$ 556,482.40		\$ 1,191.03						
NON-RESIDENT																					
1	Non-Resident	15	17	13	8	22	17	92		\$30.00			\$1,091.90	\$1,091.90	\$11.82						
2	Non-Resident	143	177	136	122	138	143	859		\$150.00		\$786.00	\$4,318.62	\$5,104.62	\$5.03						
3	Non-Resident	144	118	126	113	213	152	866		\$150.00			\$4,354.74	\$4,354.74	\$5.03						
4	Non-Resident	50	34	101	45	37	33	300		\$32.50			\$1,543.40	\$1,543.40	\$5.14						
5	Non-Resident	57	57	55	52	57	64	342		\$150.00			\$1,724.00	\$1,724.00	\$5.04						
6	Non-Resident	191	237	195	175	165	185	1,148		\$150.00			\$2,989.24	\$2,989.24	\$2.60						
7	Non-Resident	193	91	469	320	46	37	1,156		\$170.00		\$786.00	\$5,805.56	\$6,591.56	\$5.02						
Total		794	731	1095	835	678	631	4764		\$ 832.50		\$ 1,572.00	\$ 21,827.46		\$ 39.68						
Grandtotal								337299		\$ 1,952.50		\$ 1,572.00	\$ 578,309.86		\$ 1,230.72						
HYDRANTS & SPRINKLERS ONLY																					
1	Apartment Building	-	-	-	-	-	-	-		\$0.00		\$187.50	\$873.50	\$1,273.20							
2	Apartment Building	-	-	-	-	-	-	-		\$0.00		\$187.50	\$873.50	\$1,273.20							
3	Apartment Building	-	-	-	-	-	-	-		\$0.00		\$187.50	\$873.50	\$1,273.20							
4	Apartment Building	-	-	-	-	-	-	-		\$0.00		\$786.00	\$873.50	\$1,991.40							
5	Apartment Building	-	-	-	-	-	-	-		\$0.00		\$786.00	\$873.50	\$1,991.40							
6	Vacant Lot	-	-	-	-	-	-	-		\$0.00											
7	Church	-	-	-	-	-	-	-		\$0.00	\$50.00	\$598.50	\$873.50	\$1,766.40							
8	Apartment Building	-	-	-	-	-	-	-		\$0.00		\$786.00		\$943.20							
9	Apartment Building	-	-	-	-	-	-	-		\$0.00		\$786.00	\$873.50	\$1,991.40							
10	High School	-	-	-	-	-	-	-		\$0.00		\$1,572.00		\$1,886.40							
11	Rainycrest Home For The Aged	-	-	-	-	-	-	-		\$0.00		\$2,022.60		\$2,427.12							
12										\$0.00		\$562.50		\$8,012.40							
											\$ 50.00	\$ 8,462.10	\$ 6,114.50		\$ -						
											\$10,034.10										

	2021	2021	2021	2021	2021	2021	2021	2021	2021
	Forecasted	Forecasted	Budgeted Revenue	Forecasted Revenue	Forecasted Actual	Actual	Actual	Actual	Actual - Projected
				% based Budgeted Revenue					\$ Difference on Actual Revenue
	Cubic Meters	% of Usage			Cubic Meters	% of Usage	Revenue	Revenue %	
Total Actual treated water distributed into the distribution System	1026050				1273480				
Estimated 15% System loss (leaks, Hydrants and flushing)	-153908				-191022				
Total Billed Out treated water	872143		\$5,465,979.00		1082458		\$5,563,357.25		
Actual Usage ICI Accounts - 304 accounts	228741	26.23%	\$967,220.49	17.70%	103544	9.57%	\$1,063,936.14	19.15%	\$ 96,715.65
Actual CFN metered - 2 accounts	113380	13.00%	\$618,066.54	11.31%	110688	10.23%	\$666,361.68	11.98%	\$ 48,295.14
Non-residential Accounts - 7 accounts	3759	0.43%	\$17,962.30	0.33%	4764	0.44%	\$26,192.95	0.47%	\$ 8,230.65
Estimated Usage									
Estimated Calculated Non-metered Accounts - 3 accounts using 200 cubic meters per account	600	0.07%	\$4,251.60	0.08%	200	0.02%	\$1,417.20		\$ (2,834.40)
Estimated remaining amount is Residential Usage - 3675 accounts plus 13 church accounts	525663	60.27%	\$3,858,478.08	70.59%	863262	79.75%	\$3,805,449.28	68.40%	\$ (53,028.80)
		100.00%	\$5,465,979.00	100.00%		100.00%	\$5,563,357.25	100.00%	\$ 97,378.25
Estimated Residential usage per account per year- (Canadian average is 270 cu. per year)	143.0				234.1				
Estimated Residential usage per account per month	11.91				19.51				
Estimated residential cost per cubic meter of water (\$45.20 per month 2021)	\$3.79				\$2.32				
Calculated Water non-residential customers (1.25 times residential rate) per cubic meter	\$4.74				\$2.90				
Estimated residential cost per cubic meter of wastewater (42.15 per month 2021)	\$3.54				\$2.16				
Calculated Sewer non-residential customers (1.25 times residential rate) per cubic meter	\$4.42				\$2.70				

Summary of Rate Revenue Requirements

The Town's objective in establishing the Wastewater rates is to avoid large fluctuations from year to year and to ensure that rates are set at a level to adequately cover current operating costs, maintain and repair the Town's existing asset base and replace assets where appropriate.

Efforts are being made in this plan to gradually grow/maintain the reserves to provide a source of funding for the ongoing replacement/refurbishment of capital assets. The following table reflect the forecasted rate revenue requirements.

	2021 Budget	2022	2023	2024	2025	2026
Water Rate Revenue Requirement	\$ 2,817,848	\$ 2,926,442	\$ 3,039,221	\$ 3,156,346	\$ 3,277,985	\$ 3,404,311
Wastewater Rate Revenue Requirement	\$ 2,648,131	\$ 2,723,144	\$ 2,800,283	\$ 2,879,607	\$ 2,961,178	\$ 3,045,059
Total Rate Revenue Requirement	\$ 5,465,979	\$ 5,649,586	\$ 5,839,504	\$ 6,035,953	\$ 6,239,162	\$ 6,449,370
\$ Change		\$ 183,608	\$ 189,918	\$ 196,449	\$ 203,210	\$ 210,208
% Change		3.4%	3.4%	3.4%	3.4%	3.4%

As shown above the annual increases in consolidated water and wastewater rate revenue requirements is 3.4% from 2022 to 2026.

November 12, 2021

Town of Fort Frances
320 Portage Avenue
Fort Frances Ontario
P9A 3M5

Attention: Mr. Craig Miller
Environmental Superintendent

Dear Craig:

**Re: Fort Frances Wastewater Treatment Facility
October 2021 Monthly Report**

As per the operating agreement, the attached document is the October 2021 monthly report for the Fort Frances Wastewater Treatment Facility.

The report highlights the influent and effluent quality and the process parameters. Additionally, the routine operation and maintenance activities conducted by the operators are summarized.

If you have any questions regarding this report do not hesitate to contact Mr. Ty Maurice, Senior Operations Manager.

Yours truly,



Kelly Cunningham
Team Lead

For Ty Maurice
Senior Operations Manager

**The Corporation of the Town of Fort Frances
Wastewater Treatment Plant
(Sewage Plant)
October 2021 Monthly Operations Report**

INTRODUCTION

In accordance with the Agreement between the Ontario Clean Water Agency (Operating Authority) and the Town of Fort Frances, the Fort Frances Sewage Treatment Plant is required to prepare a monthly report. This document covers the reporting month of October 2021; the facility performance report summarizes important information regarding the quality of the effluent, wastewater, analytical test results, maintenance operations, and relevant activities of the WWTP.

DESCRIPTION OF WORKS

Capacity of Works	9000 m ³ /day (average flow)
Service Area	Town of Fort Frances and Couchiching Reserve
Service Population	9000
Effluent Receiver	Rainy River
Major Process	Secondary treatment facility complete with a phosphorus removal system; ultra violet disinfection; aerobic sludge stabilization and dewatering

The Fort Frances Sewage Treatment Plant operates under *Environmental Compliance Approval Number 6786-A44PWG*. The ECA outlines the terms and conditions, and the report captures these terms and conditions in the following sections.

LABORATORY

ALS Laboratory Group – Thunder Bay is contracted to conduct the required analytical tests of the influent (raw) and effluent samples; weekly requirement.

OCTOBER 2021 EFFLUENT QUALITY

<i>Parameters</i>	<i>Monthly Actual Concentration mg/L</i>	<i>Compliance Criteria Concentration mg/L</i>	<i>Performance Objective Concentration mg/L</i>	<i>Monthly Actual Loading, kg/d</i>	<i>Compliance Criteria Loading kg/d</i>	<i>Performance Objective Loading kg/d</i>
CBOD ₅	2.0 mg/L	25 mg/L	15 mg/L	11.1 kg/d	225 kg/d	135 kg/d
Total Suspended Solids	2.8 mg/L	25 mg/L	15 mg/L	15.8 kg/d	225 kg/d	135 kg/d
Total Phosphorus	0.16 mg/L	1.0 mg/L	0.9 mg/L	0.90 kg/d	9 kg/d	8.1 kg/d
Total Nitrogen Nitrate Nitrogen	7.92 mg/L 5.75 mg/L					
Total Cl ₂ Residual		<0.01 mg/L (when in use)				
E-Coli		11.9 count/100 ml (geometric mean)		200 count/100ml (geometric mean)		E-coli not to exceed 150 organisms/100ml (monthly geometric mean density)
pH				pH range 7.3 to 7.6; average pH was 7.4		
Temperature degrees C				Temperatures ranged from 15.5 to 17.5 C; average temperature of effluent was 16.5 C		

Compliance criteria are mandatory requirements of the ECA and performance objectives are a goal to be achieved using best reasonable efforts.

WASTEWATER LIQUID PROCESS

The average daily flow for October was 5668.5 m³/day. This represents 63% of the design average flow. Total treated flow for the month was 175723 m³. The Fort Frances WWTP met all effluent compliance criteria for the parameters listed above and additionally was well within the recommended more stringent monthly performance objectives as outlined in the Environmental Compliance Approval.

MAINTENANCE

The operators performed the routine operations and maintenance at the treatment plant and pumping stations. The activities are highlighted as follows and a summary will be included:

Treatment Plant:

- Alternated lead/lag pumps
- Adjusted fluidizing water to head cell and grit snail as needed
- Greased all blowers
- Regular cleaning of head works EW basket strainer
- Greased Grit Snail and lubricated drive chain. Hosed Snail
- Monthly inspection of spiral screen access hatch, removed wrapped debris
- Weekly manifold wash and restrictor cleaning on the Fournier press
- Inspected teacup
- Semi-annual service on all air handlers
- Replaced battery in stairwell emergency light
- Greased clarifier drives

Pump Stations:

- Ran gensets
- Changed seal water strainers
- Replaced drywell sump pump at Fifth Street lift station
- All lift station gensets were load tested by Wajax

PROCESS AND OPTIMIZATION ISSUES

SLUDGE SUMMARY

Dennis Robinson Limited hauled a calculated total of 111.9 m³ (11 bins) of thickened digested sludge to the Town of Fort Frances landfill site. The hauled sludge averaged 16.4 % TS for the month but slump test results from the landfill site have not been provided.

The Fournier press ran for 107.6 hours in the past month.

COMPLAINTS

There were no complaints during the report period.

BYPASS/OVERFLOW REPORT(S)

There were no bypass events in the reporting period.

COMMENTS

Plant power consumption for the month was 494 (x 180 multiplier) kWh.

The Fournier press has been operated 1229.1 hours in 2021.

A Town of Fort Frances crew completed the excavation and installation of the plant genset concrete pad.

REPORTS

ALS – Environmental Analytical Reports (on-file at plant)

Fort Frances WPCP Equipment Run Time Report (on-file at plant)

Bypass Report (on-file at plant as per occurrence)

Incident Report (on-file at plant as per occurrence)

2021 Fort Frances Wastewater

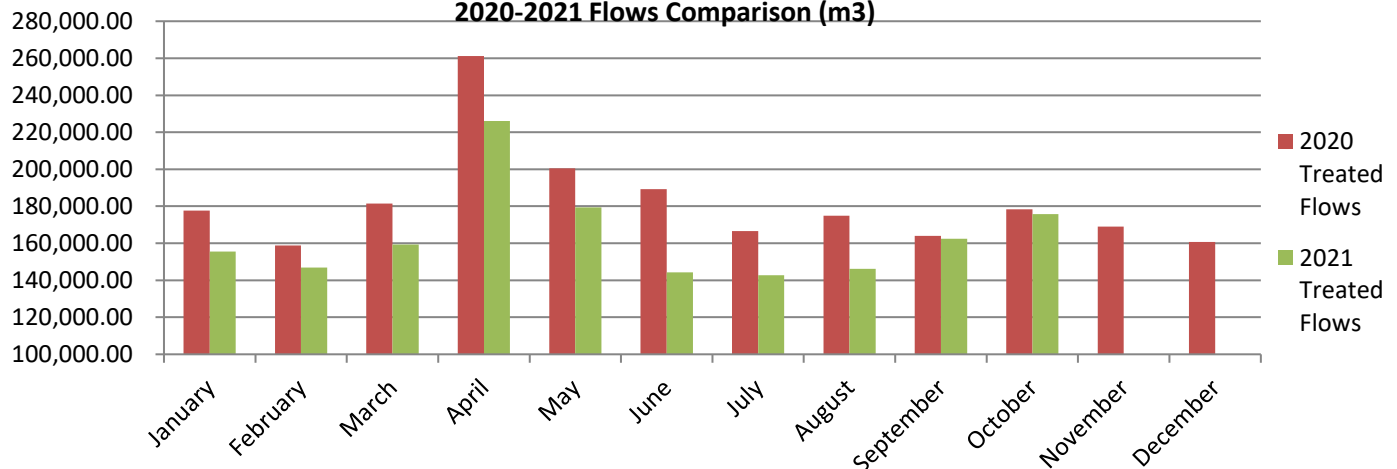
Month	Sewage Flows Year 2021					Usage	Calculated	Sludge	Removal Efficiency	
	Avg. Day	Max Day	Total	Total	Total	% Plant	Volume	Bins	CBOD5 0.976318124	
	Flow	Flow	Treated	ByPass	Volume	Capacity	Hauled	Hauled	Suspended Solids 0.982826076	
	m3	m3	Volume ML	Volume ML	ML		M3		Total Phosphorus 0.962168061	
January	5015.0	5375	155465		155465	56%	134.4	13		
February	5244.0	5551	146883		146883	58%	116.6	11		
March	5141.9	5653	159400		159400	57%	145.6	14		
April	7538.1	11729	226144		226144	84%	125.7	13		
May	5788.8	6607	179453		179453	64%	118.3	11		
June	4811.1	5142	144334		144334	53%	126.4	12		
July	4603.1	5235	142697		142697	51%	128.3	12		
August	4717.7	6678	146248		146248	52%	132.9	13		
September	5434.6	10804	162428	610	163038	60%	130.4	13		
October	5668.5	7447	175723		175723	63%	111.9	11		
November						0%				
December						0%				
Sum				610	1639385		1270.5	123		
Average	5396		163878		163939	59%	127.1	12.3		
Max		11729	226144		226144			14		
ECA	9000	18000								

Month	BOD5/CBOD5			Suspended Solids			Total Phosphorus			Nitrogen		E. Coli	pH	
	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Geo Mean	Monthly	Monthly
	BOD (mg/L)	CBOD (mg/L)	CBOD (kg/day)	S.S (mg/L)	S.S (mg/L)	S.S (kg/day)	T.P (mg/L)	T.P (mg/L)	T.P (kg/day)	TKN (mg/L)	Total N (mg/L)	Counts /100ml	Minimum	Maximum
January	123.8	2.2	11.1	196.5	2.5	12.7	2.99	0.07	0.33	26.2	11.8	10.0	6.6	7.0
February	91.0	2.7	14.3	185.9	3.0	15.9	2.79	0.08	0.41	22.7	15.1	10.0	6.6	7.1
March	104.4	3.4	17.6	179.1	3.6	18.5	2.34	0.08	0.40	18.6	15.0	12.5	7.0	7.4
April	91.8	2.5	20.0	160.7	5.0	40.5	2.23	0.08	0.63	15.8	12.6	17.8	7.1	7.5
May	87.6	2.3	13.3	166.1	4.0	23.5	2.34	0.11	0.61	18.0	13.9	22.2	7.2	7.4
June	97.8	2.3	10.7	208.8	4.3	20.8	3.18	0.12	0.57	18.6	14.7	55.7	7.2	7.4
July	86.0	2.0	9.3	211.8	2.5	11.5	2.88	0.06	0.27	19.5	12.0	18.1	7.1	7.5
August	117.2	2.5	11.7	210.6	3.5	16.7	3.08	0.16	0.78	28.1	8.3	17.2	7.0	7.4
September	108.3	2.1	14.5	264.2	2.6	14.1	3.19	0.12	0.66	20.3	8.5	129.1	7.3	7.6
October	106.8	2.0	11.1	184.4	2.8	15.8	2.47	0.16	0.90	17.4	7.9	11.9	7.3	7.6
November														
December														
Average	101.5	2.4	13.4	196.8	3.4	19.0	2.75	0.10	0.56	20.5	12.0	30.5	7.0	7.4
Max	123.8	3.4	20.0	264.2	5	40.5	3.19	0.16	0.90	28.1	15.1	129.1	7.3	7.6
ECA		25	225		25	225		1.0	9.0			200	6.0	9.5

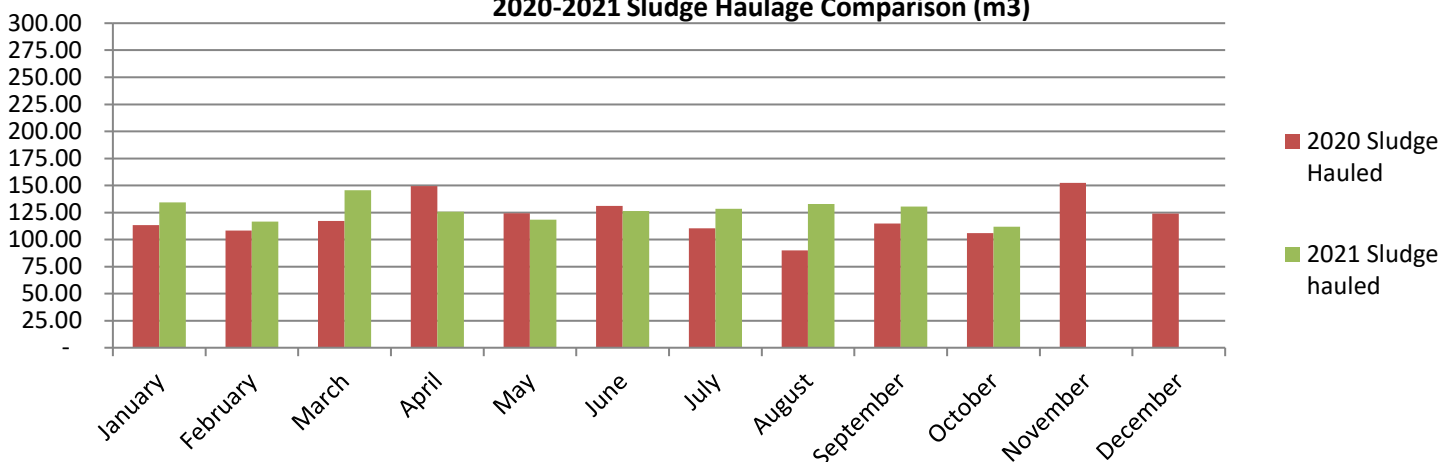
2020-2021 Comparison Chart

Month	2020 Treated Sewage	2021 Treated Sewage	% Variance 2020 to 2021	2020 Hauled Sludge	2021 Hauled Sludge	% Variance 2020 to 2021
	m3	m3	m3	m3 (calculated)	m3 (calculated)	m3
January	177,747.00	155,465.00	-14%	113.20	134.40	19%
February	158,832.00	146,883.00	-8%	108.20	116.60	8%
March	181,415.00	159,400.00	-14%	117.10	145.60	24%
April	261,159.00	226,144.00	-15%	149.30	125.70	-16%
May	200,528.00	179,453.00	-12%	124.40	118.30	-5%
June	189,252.00	144,334.00	-31%	131.00	126.40	-4%
July	166,681.00	142,697.00	-17%	110.50	128.30	16%
August	174,870.00	146,248.00	-20%	89.90	132.90	48%
September	163,947.00	162,428.00	-1%	114.80	130.40	14%
October	178,352.00	175,723.00	-1%	105.80	111.90	6%
November	169,049.00		#DIV/0!	152.50		-100%
December	160,702.00		#DIV/0!	123.90		-100%
Totals	2,182,534.00	1,638,775.00	-33%	1,440.60	1,270.50	-12%

2020-2021 Flows Comparison (m3)



2020-2021 Sludge Haulage Comparison (m3)



Workorder Summary Report

Report Start Date: Oct 1, 2021 12:00 AM

Report End Date: Oct 31, 2021 11:59 PM

Location: 1103*

Work Order Type: ADMIN,CALL,CAP,CORR,EMER,OPER,PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2481074			1103, Fort Frances WPCP	OPER	Inspection	1	MONTHS	Snow Removal at Wastewater Treatment (1m) 1103	COMP	10/1/21 12:00 AM	11/5/21 11:02 AM	11/5/21 11:02 AM	
2481079			1103, Fort Frances WPCP	OPER	Inspection	1	MONTHS	Grass Cutting at Wastewater Treatment (1m) 1103	COMP	10/1/21 12:00 AM	11/5/21 11:03 AM	11/5/21 11:03 AM	
2493553	0000227376	PANEL ALARM/DIALER	1103, Fort Frances WPCP, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 1103	COMP	10/1/21 12:00 AM	10/28/21 11:00 AM	10/28/21 12:00 PM	Dialer Test -We test every day.
2493557			1103, Fort Frances WPCP	PM	Refurbish/Replace/Repair	1	MONTHS	Diesel Gensets Inspection/Functional Tests (1m) 1103	COMP	10/1/21 12:00 AM	10/22/21 08:02 AM	10/22/21 08:02 AM	Diesel Gensets Inspection/Functional Tests (1m) 1103 -Wajax did load testing on all lift station gensets this month. The portable diesel genset is still scheduled for replacement by the town this year.
2493573			1103, Fort Frances WPCP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1103	COMP	10/1/21 12:00 AM	10/26/21 10:00 AM	10/26/21 11:00 AM	H&S Inspection -This month I'd like to add the plow truck as the box has extensive rust and shouldn't be entered.
2493584			1103, Fort Frances WPCP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1103	COMP	10/1/21 12:00 AM	11/5/21 11:02 AM	11/5/21 11:02 AM	
2493905			1103, Fort Frances WPCP	PM	Inspection	1	MONTHS	Blowers/Motors Inspection/Service (1m/3m) 1103	COMP	10/1/21 12:00 AM	10/29/21 09:15 AM	10/29/21 10:15 AM	
2493913	0000246402	CENTRIFUGE GS2-2-1 TEACUP/GRIT SNAIL	1103, Fort Frances WPCP, Process, Primary Treatment, Primary Sludge Degritting	PM	Inspection	1	MONTHS	Teacup Centrifuge Inspection/Service (1m/3m/1y) 1103	COMP	10/1/21 12:00 AM	10/26/21 08:00 AM	10/26/21 09:00 AM	Teacup Maint. -I removed the lid and found little debris.
2494555	0000129929	ANALYZER A1C1-1 HEADWORKS GAS	1103, Fort Frances WPCP, Process, Process Control & Monitoring, Headworks	PM	Calibration	6	MONTHS	Analyzer Gas Calibration (6m) 1103	COMP	10/1/21 12:00 AM	10/22/21 08:06 AM	10/22/21 08:06 AM	Analyzer Gas Calibration (6m) 1103 -This was just done in September. All okay
2494558			1103, Fort Frances WPCP	PM	Inspection	1	YEARS	UPS Inspection/Replacement (1y) 1103	COMP	10/1/21 12:00 AM	10/8/21 06:51 AM	10/8/21 06:51 AM	

Workorder Summary Report

Report Start Date: Oct 1, 2021 12:00 AM

Report End Date: Oct 31, 2021 11:59 PM

Location: 1103*

Work Order Type: ADMIN,CALL,CAP,CORR,EMER,OPER,PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2498995	0000246436	PANEL CONTROL PCL	1103, Boundary Pumping Station, Facility	CALL	Refurbish/ Replace/Repair	0		Boundary Road high level alarm call back	COMP		10/7/21 11:10 PM	10/8/21 12:30 AM	Boundary Road high level alarm call back -I was called by the auto dialler for a Boundary Road lift station high level alarm at 2310 hours. Once at the plant I acknowledged and cleared the alarms on the SCADA computer. The level at the station was pumped down and the next pump cycle was normal.

TOWN OF FORT FRANCES
Operations and Facilities Division - Environmental Area - Operations Statistics
October-21

STAFFING:

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

OVERTIME HOURS - Equivalent Straight Time Hours

See Operations Statistics prepared by M. Strachan, Superintendent of Transportation

WATER DISTRIBUTION & WASTE WATER COLLECTION:

See Monthly Summary (Attached)
Winterized marina
Winterized various town parks, the point, etc.
Winterized fire hydrants
Tied in newly lined water mains under CN tracks (wright ave & keating ave)
Completed 2021 flushing and valve turning program
Adjusted multiple curb stops and valve boxes and water on/off's
Unplugged several sewers
Colin Angus started with the town as a Water / Wastewater Operator-in-Training

WATER TREATMENT PLANT:

In receipt of the Water Treatment Facility Monthly Report.
Continued negotiations with MECP for drinking water license revision.
Remote monitoring project underway (expect Nov / Dec install)

WASTE-WATER TREATMENT FACILITY:

In receipt of the Wastewater Treatment Facility Monthly Report.
Standby Generator Concrete Pad under construction by PW crew
Standby Generator Engineering Tender issued
PLC Upgrade for boundary lift station under way (expect Nov / Dec install)

WASTE MANAGEMENT:

Landfill well water samples taken from monitoring wells
Lightning strike @ landfill - Oct 10 - scales damaged.

Garbage Collection:

Garbage not picked up - 7 houses

Sanitary Landfill (Waste Disposal Site):

Landfill Scales Not Functioning Due to Lightning Strike - Oct 10, 2021
Parts on order and bylaw flat rates in effect

Amount of residential waste (kg) delivered to the landfill:
No Data

Amount of ICI waste (kg) delivered to the landfill:
No Data

Recycling:

Recycle not picked up - 8 houses

Amount of recycled waste (Metric Tonnes) diverted from the landfill:
No Data (Emterra)

Prepared By: Craig Miller, P.Eng. Environmental Superintendent

Date: 15-Nov-21

Water Works		Years			
DATE	WORK	2018	2019	2020	2021
Jan	THAW FROZEN WL	1	6	1	1
	TURN WATER OFF	1	6		1
	TURN WATER OFF/ON	4	5		1
	TURN WATER ON	5			2
	TURNED WATER OFF				1
Jan Total		11	17	1	6
Feb	THAW FROZEN WL	27	11		11
	TURN WATER OFF	3	3	1	10
	TURN WATER OFF/ON		5	1	5
	TURN WATER ON	3		5	4
Feb Total		33	19	7	30
Mar	THAW FROZEN WL	3	27		
	TURN WATER OFF		2		
	TURN WATER OFF/ON	3	3	1	3
	TURN WATER ON	12	7	2	1
Mar Total		18	39	3	4
Apr	SET UP HYDRANT		1		
	THAW FROZEN WL		5		
	TRACE SERVICES				1
	TRACE WATER SERVICE				1
	TURN WATER OFF	3	2	2	
	TURN WATER OFF/ON	1	1	1	1
	TURN WATER ON	16	24	4	4
	WATER TURN ON				1
Apr Total		20	33	7	8
May	CHECK WATER SERVICE		1		
	CONNECTION INSPECTION	1	1		
	TRACE SERVICES		1		
	TURN WATER OFF	3	3		2
	TURN WATER OFF/ON	1	3	1	4
	TURN WATER ON	15	14	4	3
	TURN WATER ON	1			
	WATER TURN ON				2
	WATER TURN OFF/ON				1
May Total		21	23	5	12
Jun	RAISE CS TO GRADE	1			
	TERMINATE WATER				1
	TRACE SERVICES		1	1	
	TURN WATER OFF	4	3		2
	TURN WATER OFF/ON	3	3		3
	TURN WATER ON	4	6	1	5
Jun Total		12	13	2	11
Jul	CONNECTION INSPECTION	3	1		
	LIVE TAP SERVICE	1			
	REPAIR CURBSTOP		3		
	REPAIR HYDRANT				5
	TERMINATE WATER	1			
	TRACE SERVICES	2	2		
	TURN WATER OFF		1		
	TURN WATER OFF/ON	4	4		2
	TURN WATER ON	2	4		1
Jul Total		13	15		8
Aug	CONNECTION INSPECTION				1
	REPAIR HYDRANT				3
	TRACE SERVICES	1	1		
	TURN WATER OFF	2	1		2
	TURN WATER OFF/ON	3		1	3
	TURN WATER ON	2	1		3
Aug Total		8	3	1	12
Sep	CONNECTION INSPECTION	4			
	TERMINATE WATER				1
	TEST BACKFLOW	1			
	TRACE SERVICES	1			
	TURN WATER OFF	4	4	4	2
	TURN WATER OFF/ON	2	2	2	
	TURN WATER ON	4		1	4
	TURN WATER ON/OFF				1
Sep Total		16	6	7	8
Oct	CONNECTION INSPECTION	1			
	TURN WATER OFF	13	15	6	
	TURN WATER OFF/ON	3	4		
	TURN WATER ON	3	7	3	
Oct Total		20	26	9	
Grand Total		172	194	42	99

Sewer Works		Years			
DATE	WORK	2018	2019	2020	2021
Jan	CCTV SEWER SERVICE	1	1	3	2
	UNPLUG SANITARY SEWER	20	21	7	2
	VAC OUT SEWER MAIN				1
Jan Total		21	22	10	5
Feb	CCTV SEWER SERVICE	2	2	1	5
	THAW FROZEN SEWER	1			
	TRACE SERVICES				1
	UNPLUG SANITARY SEWER	20	10	6	6
	VAC OUT SEWER MAIN				4
Feb Total		23	12	7	16
Mar	CCTV SEWER SERVICE	1	1		4
	CONNECTION INSPECTION		1		
	UNPLUG SANITARY SEWER	12	9	3	6
	VAC OUT SEWER MAIN				1
Mar Total		13	11	3	11
Apr	CCTV SEWER SERVICE	3	6		2
	CONNECTION INSPECTION				1
	TRACE SERVICES				1
	UNPLUG SANITARY SEWER	15	7	1	2
	TRACE SEWER SERVICE				1
Apr Total		18	13	1	7
May	CCTV SEWER SERVICE	1			1
	CONNECTION INSPECTION	1	1	1	2
	THAW FROZEN SEWER	1			
	UNPLUG SANITARY SEWER	15	10	2	1
May Total		18	11	3	4
Jun	CCTV SEWER SERVICE		4	1	
	CONNECTION INSPECTION		1	1	
	TRACE SERVICES		2		1
	UNPLUG SANITARY SEWER	14	3	1	2
	INSTALL SEWER PUMP			1	
Jun Total		14	10	4	3
Jul	CCTV SEWER SERVICE		1	2	11
	CONNECTION INSPECTION	3	2		4
	TRACE SERVICES		4		
	UNPLUG SANITARY SEWER	6	9		5
	VAC OUT SEWER MAIN		1		1
	VAC TRUCK POWER CABLES			1	
Jul Total		9	17	3	21
Aug	CCTV SEWER SERVICE	5	2	1	1
	CONNECTION INSPECTION				3
	TRACE SERVICES	2	2		
	UNPLUG SANITARY SEWER	11	8	1	11
Aug Total		18	12	2	15
Sep	CCTV SEWER SERVICE	2	4		3
	CONNECTION INSPECTION	4			1
	TRACE SERVICES		1		
	UNPLUG SANITARY SEWER	5	11	7	14
	VAC OUT SEWER MAIN		1		
	CLEAN SEWER SERVICE			1	
Sep Total		11	17	8	18
Oct	CCTV SEWER SERVICE	2	2	2	
	CONNECTION INSPECTION	2	1		
	TRACE SERVICES		1		
	UNPLUG SANITARY SEWER	11	12	9	
Oct Total		15	16	11	
Grand Total		160	141	52	100

System Repairs		Years			
DATE	TYPE	2018	2019	2020	2021
Jan	CURBSTOP		1		1
	HYDRANT			2	2
	SEWER SERVICE			2	
	WATERMAIN	1	1	1	1
Jan Total		1	2	5	4
Feb	CLEANOUT		2		
	CURBSTOP		8		
	HYDRANT				1
	SEWER SERVICE		1		2
	WATER SERVICE		2		1
	SANITARY MANHOLE				1
Feb Total			13		5
Mar	CLEANOUT		2		
	CURBSTOP		2		13
	HYDRANT			2	
	VALVE				8
	WATER SERVICE	2		1	1
	WATERMAIN			2	1
	SAN MANHOLE			1	
Mar Total		2	4	6	23
Apr	CLEANOUT		1		2
	CLEANOUT/CURBSTOP	1			
	CURBSTOP	1	9	15	10
	HYDRANT			3	
	MANHOLE		2		
	SEWER MAIN		1		
	VALVE				2
	WATER SERVICE	1			
	WATERMAIN	1		1	
Apr Total		4	13	19	14
May	CLEANOUT	3	4		2
	CLEANOUT/CURBSTOP	1			
	CURBSTOP	4	8		3
	HYDRANT				1
	MANHOLE		1		
	SEWER MAIN				1
	SEWER SERVICE		2		1
	WATER SERVICE		1		1
	WATERMAIN	4	1		3
May Total		12	17		12
Jun	CURBSTOP		5		4
	MANHOLE	1			
	WATER SERVICE		2		
	WATERMAIN	1	1	1	
Jun Total		2	8	1	4
Jul	CURBSTOP	3	10		1
	SEWER MAIN			1	
	WATER SERVICE		1		1
	WATERMAIN			3	
Jul Total		3	11	4	2
Aug	CLEANOUT	1	2		
	CURBSTOP	3	18	1	7
	SEWER MAIN			1	
	SEWER SERVICE				5
	WATER SERVICE				1
	WATER/SEWER	1			
Aug Total		5	20	2	13
Sep	CLEANOUT	2			
	CURBSTOP	26			
	SEWER SERVICE			2	
	WATER SERVICE	1		1	
	WATERMAIN	1			2
	SAN MANHOLE				1
Sep Total		30		3	3
Oct	CURBSTOP	7	1		
	MANHOLE	1			
	SEWER SERVICE	1		2	
	WATER SERVICE	1			
	LOWER SAN MH			4	
Oct Total		10	1	6	
Grand Total		69	89	46	80

Sewer & Water Data for 2021
up-dated November 12, 2021

Month	Days per month	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021-2020	2021-2020	2021	2021	Monthly
		Total	daily	Couch.	Couch.	Couch.	Total	daily	Couch.	Couch.	Couch.	Diff	Diff	Difference	Infiltration	Infiltration
		Sewage	Sewage	Sewage	Sewage	Sewage	Treated	Treated	2 Water	2 Water	Water	Treated	Wastewater	STP-WTP	daily average	US Gallons
		STP	STP	Meters	Meters	%	WTP	WTP	Meters	Meters	%	WTP	STP			
		cu. meters monthly	cu. meters daily	cu. meters monthly	cu. meters daily		cu. meters monthly	cu. meters daily	cu. meters monthly	cu. meters daily						
January	31	155465	5015.00	10364	334.32	6.67%	105360	3398.7	8149	262.9	7.73%	-3360.0	-22282.0	50105.0	1616.3	13,236,338
February	28	146883	5245.82	8881	317.18	6.05%	103890	3710.4	8149	291.0	7.84%	1990.0	-11949.0	42993.0	1535.5	11,357,547
March	31	159400	5141.94	10550	340.32	6.62%	109120	3520.0	7702	248.4	7.06%	3820.0	-22015.0	50280.0	1621.9	13,282,568
April	30	226144	7538.13	16902	563.40	7.47%	99400	3313.3	7702	256.7	7.75%	3050.0	-35015.0	126744.0	4224.8	33,482,216
May	31	179453	5788.81	11863	382.68	6.61%	113290	3654.5	8768	282.8	7.74%	1600.0	-21075.0	66163.0	2134.3	17,478,412
June	30	144334	4811.13	11136	371.20	7.72%	135470	4515.7	8768	292.3	6.47%	19810.0	-44918.0	8864.0	295.5	2,341,621
July	31	142697	4603.13	11624	374.97	8.15%	178930	5771.9	12835	414.0	7.17%	39900.0	-23984.0	-36233.0	-1168.8	(9,571,744)
August	31	146248	4717.68	11439	418.84	8.88%	139070	4486.1	12835	414.0	9.23%	11320.0	-28622.0	7178.0	231.5	1,896,227
September	30	162428	5414.27	12984	454.77	8.40%	99820	3327.3	8668	288.9	8.68%	-7870.0	-1519.0	62608.0	2086.9	16,539,281
October	31	175723	5668.48	13643	440.10	0.00%	96920	3126.5	8668	279.6	8.94%	-5670.0	-2629.0	78803.0	2542.0	20,817,546
November	30		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-98680.0	-169049.0	0.0	0.0	-
December	31		0.00		0.00	#DIV/0!		0.0		0.0	#DIV/0!	-104350	-160702.0	0.0	0.0	-
Total	365	1638775		119386			1181270.0		92242.0			-138440.0	-543759.0	457505.0	1253.4	120,860,011
Monthly Average		153916.0	5134.3	9931.7	330.6		106123.3	3543.0	7999.7	267.4	0.1	816.7	-18748.7	47792.7	1591.2	12625484.3

Aircraft Landings 2021
As of October 31, 2021

Month	Bearskin Flights			Bearskin Passengers			Air Bravo Passengers			Government			Private			Med-I-vacs			International			Commercial			Totals			Variance
	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021	2020	2019	2021-2020
January	4	56	54	9	140	160	0	8	8	0	2	0	2	15	4	36	50	60	0	0	0	0	45	42	42	168	160	-126
February	0	64	56	0	149	197	0	12	15	4	3	13	8	6	1	58	36	43	0	1	0	0	38	38	70	148	151	-78
March	0	41	61	0	99	160	0	0	11	20	1	13	8	10	10	57	39	52	0	6	2	0	0	42	85	97	180	-12
1/4 Total	4	161	171	9	388	517	0	20	34	24	6	26	18	31	15	151	125	155	0	7	2	0	83	122	197	413	491	-216
April	0	1	59	0	0	197	0	0	7	5	2	5	18	10	9	63	30	57	0	1	3	0	0	40	86	44	173	42
May	0	0	67	0	0	196	0	0	5	2	3	14	43	20	19	74	40	63	0	0	25	0	0	43	119	63	231	56
June	0	0	61	0	0	208	0	0	9	5	0	13	159	21	48	68	53	57	0	0	81	0	0	39	232	74	299	158
1/2 Total	4	162	358	9	388	1118	0	20	55	36	11	58	238	82	91	356	248	332	0	8	111	0	83	244	634	594	1194	40
July	9	0	61	29	0	173	0	0	10	30	2	4	185	44	28	80	35	54	0	0	69	0	0	42	304	81	258	223
August	10	0	69	19	0	236	0	0	5	11	0	10	96	31	33	67	38	57	12	0	64	0	0	40	196	69	273	127
September	14	11	62	23	17	180	0	0	12	0	1	8	44	27	14	65	61	52	7	2	46	0	0	34	130	102	216	28
3/4 Total	37	173	550	80	405	1707	0	20	82	77	14	80	563	184	166	568	382	495	19	10	290	0	83	360	1264	846	1941	418
October	16	16	66	35	30	219	0	0	13	0	5	5	18	9	22	62	59	57	2	0	8	0	0	44	98	89	202	9
November		15	61		46	180		0	17		3	0		14	6		45	56		0	1		0	37	0	77	161	-77
December		12	47		15	111		0	13		6	0		4	13		54	43		0	3		0	38	0	76	144	-76
Total	53	216	724	115	496	2217	0	20	125	77	28	85	581	211	207	630	540	651	21	10	302	0	83	479	1362	1088	2448	274

Fort Frances Airport - Page 2/2 - Fuel Sales - October 31, 2021																				
Fuel Sales Recap - 2021									2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	10 year	Variance
Month	100LL		Jet Trk		Jet Cab		Month	Year	per	per	per	per	per	per	per	per	per	per	Average	2021-2020
	Liters	Total	Liters	Total	Liters	Total	Total	Total	month	month	month	month	month	month	month	month	month	month	2021 to 2012	month
January	725	725	4,058	4,058		0	4,783	4,783	4,783	7,962	8,050	16,597	25,675	7,528	8,692	11,543	7,216	10,252	11,502	-3,179
February	1,023	1,748	6,424	10,482		0	7,447	12,230	7,447	5,077	7,991	16,286	12,503	11,904	11,231	12,304	6,197	6,918	10,046	2,370
March	1,107	2,855	15,715	26,197		0	16,822	29,052	16,822	6,473	13,716	9,798	21,928	13,255	17,795	10,508	12,077	9,329	12,764	10,349
April	676	3,531	11,388	37,585		0	12,064	41,116	12,064	1,459	13,010	10,398	13,102	8,592	13,219	8,377	4,453	8,251	8,985	10,605
May	1,940	5,471	14,609	52,194		0	16,549	57,665	16,549	11,685	18,667	24,839	21,362	24,681	16,161	29,753	18,350	21,891	20,821	4,864
June	1,698	7,169	77,661	129,855		0	79,359	137,024	79,359	8,082	31,063	27,380	27,380	26,015	45,698	30,789	22,786	23,537	26,970	71,277
July	2,552	9,721	83,747	213,602		0	86,299	223,323	86,299	11,116	17,146	23,461	24,642	29,002	28,150	14,441	19,232	32,650	22,204	75,183
August	3,131	12,852	22,668	236,270		0	25,799	249,122	25,799	7,530	17,024	30,430	23,029	21,119	36,638	20,450	20,075	30,783	23,009	18,269
September	4,082	16,934	16,594	252,864		0	20,676	269,798	20,676	14,689	16,543	25,191	13,489	21,325	24,238	21,837	18,005	19,431	19,416	5,987
October	1,858	18,792	6,850	259,714		0	8,708	278,506	8,708	4,307	9,076	10,769	16,604	30,655	8,216	15,472	13,109	11,325	13,281	4,401
November		18,792		259,714		0	0	278,506	0	13,333	2,202	10,748	9,924	22,349	11,616	7,238	6,398	8,170	10,220	-13,333
December		18,792		259,714		0	0	278,506	0	5,333	5,852	13,243	8,560	13,797	7,592	8,849	2,028	8,179	7,715	-5,333
Total	18,792		259,714		0		278,506		278,506	97,046	160,340	219,140	216,198	230,222	229,246	189,561	149,926	190,716	186,933	181,460

Lowest month in last 9 years

Highest month in last 9 years

Highest month

Lowest month