TOWN OF FORT FRANCES

Operations and Facilities Executive Committee

AGENDA - September 23, 2015, 8:30 AM

MEETING - Civic Centre

Session #016

			Page
1.	**Call to Order**		
2.	**Disclosure of pecuniary interest and the general nature thereof**		
3.	**Approval of Previous Committee Minutes**		
	3.1	Minutes to be distributed at meeting.	
4.	**Non-agenda Items**		
5.	**Outstanding Items**		
	5.1	Request from Kelli and Bob Whalen - 1316 Sixth Street East - Water Line Replacement	3 - 9
	5.2	Endorsement of Long Term (2015 to 2021) Financial Plan for Water and Wastewater Systems.	10 - 51
	5.3	Sanitary Sewer By-Law - to be discussed at a later date.	
6.	**Items Referred from Council**		
	6.1	BIA Request for Town In-Kind Services to be performed by the Operations and Facilities Division workforce.	52 - 64
7.	**New Business**		
	7.1	Decision on Installing a New Columbarium - Riverview Cemetery	65 - 68
	7.2	August 2015 Drinking Water Systems Monthly Summary Report	69 - 77
8.	**Information**		
	8.1	Operations and Facilities Division - Public Works Area - Operations Statistics - June 2015	78 - 81
	8.2	Operations and Facilities Division - Public Works Area - Operations Statistics - July 2015	82 - 85
	8.3	Aircraft Landings 2015 - As of August 31, 2015	86 - 88
	8.4	2015 Tonnage at the Landfill site as of September 1, 2015	89

Page

8.5 Sewer and Water Data for 2015 - up dated September 16, 2015 90

9. <u>Adjourn / Next Meeting Date</u>

September 3rd, 2015

Report To: Mayor & Council

From: Operations & Facilities Executive Committee

SUBJECT: Request from Kellie & Bob Whalen – 1316 - 6th Street East – Not to be Responsible for the Costs to Upgrade the water service line from ½ inch diameter to ¾ inch diameter from the watermain to the Curb Stop Valve.

Kellie & Bob Whalen, property owners of 1316 – 6th Street East wrote a letter dated August 12, 2015 to Mayor & Council requesting not to be responsible for the costs to upgrade the water service line from existing ½ inch diameter to ¾ inch diameter from the watermain to the curb stop valve based on the fact that the Town did not know the actual size of the service line and that they claim that incorrect information was obtained from Town employees. See attached copy of the letter from Kellie & Bob Whalen.

Also please find attached a chain of events report, prepared by Doug Herr, Environmental & Facilities Superintendent for your review which outlines the communication that took place prior to up-sizing the water service line on August 12, 2015 where the total cost including the asphalt patch was $4,503.75 (No HST water work).

Based on the chain of ev ents report, subsections 6.8 & 2.1 of existing Water System Management By-law No. 16/06 and clause 7.6.3.4 of the Ontario Building Code (See attached information), it is difficult to understand how the Town would be responsible for the cost to up-size the water service line for the property at 1316 – 6th Street East.

Respectfully submitted,

Doug Brown

Doug Brown, P. Eng.
Operations & Facilities Manager

f/n: 2015Septwhalenwater

1316 - 6TH STREET EAST

RECEIVED
AUG 13 2015
TOWN OF FORT FRANCES

The Town of Fort Frances

320 Portage Ave.

Fort Frances, ON

August 12, 2015

Dear Mayor and Council;

We recently purchased a home with intentions to renovate.

While we debated the extent of our reno's, we had the sewer inspected (which was in great shape) and we were told that the water lines on our street were upgraded to ¾ inch at the curb stop. Due to this information we decided to proceed with a more extensive renovation and so we were aware that we would have to upgrade the ½ inch water line on our property.

Imagine our disappointment when we dug it up and discovered it was still ½ inch at the curb stop. Had we been given this information prior, we would not have done such an extensive reno, and we would not have had to upgrade the ½ inch water line.

The Public Works manager said it didn't matter what we were told, only that we would now have to pay $3-5000 to upgrade to the main on town property. This was never in our budget, and would have changed the course of events significantly had we known.

We do not believe this is fair to us at all, and in fact, we are very upset with this situation. The information given to us was incorrect. We should not be made responsible to pay for the upgrade from the curb stop to the main.

We are requesting the opportunity to attend the next Operations and Facilities meeting to discuss our situation. We can be reached at 274-6552 or 276-2581.

Thank you.

Sincerely,

Kellie Whalen

Kellie Whalen

Bob Whalen

Chain of Events
1316 SIXTH STREET EAST
(Bob and Kellie Whalen)
Water Service (Undersized)

- July 09, 2015 – Travis George and Kyle Turgeon completed an inspection of the sanitary sewer service using a closed circuit television camera. The inspection showed the service to be in good structural and serviceable condition. Owner advised of this. The water to the premises was also turned off at this time as per the Owner's request.

  While at the site inspecting the sewer service the Owner, Bob Whalen asked Travis George about the condition of the water service line. Travis indicated to him that the water services into 1308 and 1324 Sixth St. E. had been upgraded in the past to ¾" (19 mm) diameter copper and thought the same would be for this property as well. Water service line was not excavated and exposed at the property line to verify this.

- August 04, 2015 – I received a telephone call from Travis Rob, Chief Building Official informing me that he had been made aware that the existing water service, Town side was only ½" (12 mm) copper. Travis told me that he had discussed with the Owner what was to take place regarding the under sizing of the water service.

  Approximately 20 minutes after talking with Travis Rob, Mr. Whalen came into the Public Works building to see me. Mr. Whalen claimed that he was told that the Town portion of the water service had been upgraded to ¾" diameter copper. It was only when they excavated down to the curb stop at the property line to make the connection did they discover the water service was ½" diameter on the Town's side. I explained to Mr. Whalen that the service would have to be upgraded to ¾" diameter copper line at his expense. Mr. Whalen questioned why he would have to pay for the upgrade when the line is on the Town's property. I informed him that this is in respect to the Town's water by-law. Mr. Whalen then asked what the cost would be for the installation. I gave him a price of $3,000 - $5,000. Mr. Whalen was not impressed and walked out of the office implying that he was going to see his lawyer.

  An hour or so later I received a telephone call from Mr. Whalen's lawyer. He informed me that he was calling in respect to Mr. Whalen's request. He asked me what had taken place and I informed him that all was being done in accordance with the Town's water by-law. He told me he would explain this to his client.

  Shortly after my conversation with Mr. Whalen's lawyer I received a telephone call from Mr. Whalen telling me that his wife would be in later that day to fill an application for the installation of the new water service.

  Shortly thereafter Mrs. Whalen came into the Public Works building. She made it quite clear that she wasn't happy with the situation. She did though complete the necessary application and paid the deposit. I informed her that the work could not be done this week

as the Town had to arrange for utility locates, which could take up to seven days to receive. Once they are obtained the Town would proceed with the work.

- August 12, 2015 – The Town replaced the existing ½" copper water service with new ¾" copper line from the water main to the property line at a cost of $4, 503.75.

a) Where the water service pipe is to be permanently terminated the service pipe, at the discretion of the Engineer is be disconnected at the water main, the water main plugged, and the curb box and rod removed at the owner's expense.

b) Where the water service pipe is to be temporarily terminated, the Town shall turn off the shut-off valve (curb stop), at the owner's expense.

6.8 Terminated of service – reconnection – inspection
Where a water service connection is required to be reconnected to a premises, such service shall be dug by the Owner/Applicant at the property line, water service expose and inspected by the Town to ensure that such service meets present standards.

If existing service is acceptable the Owner may proceed with its installation. Connections to existing services are to be inspected by the Town prior to backfilling at the inspection rate as set within this by-law.

If existing service does not meet present standards or by-law requirements the Owner shall make application for new service as described in Section 2.1 of this by-law.

The Owner/Applicant shall be liable for the cost of locating water service connections upon application for reconnection.

6.9 Maintenance of service stub – Town
The Town of Fort Frances at its expense shall maintain the water service stub.

6.10 Maintenance of service extension and private main – Owner
Any and all defects to the water service extension and private main shall be repaired by the owner of the property being serviced. Should the Town become aware of any such defect, and upon written notification to the owner, the said defect is not repaired, within seven (7) days of the date of the notification or within such time as the Engineer may deem necessary, then the Town may turn off the water supply to the property. Once the owner has repaired the water service extension the Town will restore the water supply to the premises. The owner shall be charged for the turn "off"/"on" of the water supply in accordance with the Town's User Fee By-law.

6.11 Access to shut-off valves
All shut-off valves must be left clear and accessible at all times so that the water in the water service pipe and private mains may be turned off or on as may be found necessary by the Engineer.

6.12 Responsibility for protection, water loss, damage
All water service extensions to and including the meter shall be properly protected from frost and any other damage at the expense and risk of the owner of the property being serviced. The owner shall be responsible for the water loss occasioned by a leak in the water service extension and/or private main and the charge for such water loss shall be determined by the Engineer, shall be paid by the owner upon demand by the Town, and the Town shall not be held responsible for any damages arising from such leakage.

6.13 Responsibility - vacant and unheated premises
When any premises is left vacant or without heat, it is the owner's responsibility to shut off the water supply from within the premises and to drain the piping therein. The owner may apply in writing to the Town to have the shut-off valve turned off to stop water supply. The valve will be turned on only at the owner's request and in the owner's presence. The owner shall pay for this service at the rate shown in accordance with the Town's User Fee By-law.

6.14 Responsibility - water damage
When any premises left vacant, unattended or without heat, where the water supply has not been shut off, suffers damage to it and its contents from a leaking or burst water pipe, the owner or the occupant shall have no claim against the Town. Should the Engineer become aware of such leaking or burst pipes, the Engineer shall turn off the shut-off valve, and the water supply shall not be turned on until the Engineer, in his/her discretion, shall consider it advisable.

6.15 Responsibility for frozen pipes - Town - Owner
Thawing out frozen water service stubs shall be the Town's responsibility. Thawing out frozen service extensions and private mains shall be the owner's responsibility. Where any employee of the Town assists the owner in the thawing of frozen pipes on the owner's property, all such work will be the owner's expense as outlined in this by-law. The owner shall have no claim against the Town by reason of such work.

6.16 Responsibility for Hydrant Maintenance – Town – Private
Any hydrant situated within the road allowance is the property of the Town and shall be maintained by it. Hydrants privately owned and paid for by any persons, other than the Town shall be maintained by qualified persons or the Town through a written agreement. All hydrants are to be maintained as per the *Ontario Fire Code*.

1.31 Service Stub - defined
"service stub" shall mean the portion of a water service pipe from a main to the property line, which will always include shut-off valve.

1.32 Shut-Off Valve - defined
"shut-off valve" shall mean the valve on the water service or private main owned and used by the Town to shut off or turn on the water supply from the Town's waterworks distribution system to any premises. Where the context so requires, **"shut-off valve"** means a **"curb stop"**.

1.33 Single Detached Residence - defined
"single detached residence" shall mean a single dwelling, which is freestanding, separate and detached from other main buildings or main structures, including a split-level dwelling, but does not include a mobile home.

1.34 Subdivider - defined
"subdivider" shall mean the owner or party specifically named in a Subdivision Agreement.

1.35 Termination of service – defined
"termination of service" shall mean the discontinuation of use of a water service to supply water to a premises, either on a permanent or temporary basis.

Permanent termination – where the existing water service will not or cannot be used or where no building requiring a water service is planned.

Temporary termination – where the existing water service will or can be used, or where a building requiring a water service is planned for construction within a specified period of time.

1.36 Town - defined
"Town" shall mean The Corporation of the Town of Fort Frances.

1.37 Water - defined
"water" shall mean potable water supplied by the Town.

1.38 Water Distribution System - defined
"water distribution system" shall mean mains with connections to feeder mains, feeder mains within subdivision lands, private mains, services, fire hydrants, and shut-off valves and all other appurtenances thereto.

1.39 Water Related Services - defined
"water related services" shall include but not be limited to those items set out under the heading "Miscellaneous Charges" in accordance with the Town's User Fee By-law.

1.40 Water Service Pipe - defined
"water service pipe" shall mean the pipe and fittings that convey potable water from a connection on a main or private main to the meter location, or, for a fire service, to the inside of the exterior wall of a structure.

1.41 Waterworks - defined
"waterworks" shall mean any works for the collection, production, treatment, storage, supply and distribution of water, or any part of any such works, but does not include plumbing to which the *Building Code Act, 1997,* or any amendments thereto apply.

Part 2
ADMINISTRATION

2.1 Application - payment prior to installation
An application for water service from the Town shall be completed on the standard forms and any required deposit payments shall be made by the owner or their authorized agent before any work is commenced on the installation of the water service and before the water service is turned on.

2.2 Application – termination of service – building demolition – permanent/temporary
In the event of the demolition of any building or buildings on a premise serviced with water and the appropriate application is to be made with the Town for termination of such water service:

a) Where the existing water service will not or cannot be used or where no building requiring a water service is planned is to be permanently terminated.

b) Where the existing water service will or can be used, or where a building requiring a water service is planned for construction within a specified period of time is to be temporarily terminated.

Table 7.6.3.2.C.
Sizing of Water Distribution Systems for Water Closets with Direct Flush Valves
Forming Part of Sentences 7.6.3.2.(4) and 7.6.3.4.(5)

Number of Valves	Individual *Fixture Units* Assigned in Decreasing Values	*Fixture Units* in Accumulative Values(1)
1	40	40
2	30	70
3	20	90
4	15	105
5 or more	10 for each *public use*, and 6 for each *private use*	115, plus 10 for each *public use* additional *fixture* in excess of 5, and 111, plus 6 for each *private use* additional *fixture* in excess of 5
Column 1	2	3

Notes to Table 7.6.3.2.C.:
(1) The accumulative *fixture unit* values are the total values to be used in conjunction with Table 7.6.3.2.A.

Table 7.6.3.2.D.
Hydraulic Loads of Fixtures Not Listed in Table 7.6.3.2.A.
Forming Part of Sentences 7.6.3.2.(2) and (3) and 7.6.3.4.(5)

Size of Supply Pipe, in.	Hydraulic Load, *fixture units*	
	Private Use	*Public Use*
⅜	1	2
½	2	4
¾	3	6
1	6	10
Column 1	2	3

7.6.3.3. Static Pressure

(1) Where the static pressure at any *fixture* may exceed 550 kPa, a pressure reducing valve conforming to Article 7.2.10.12. shall be installed to limit the maximum static pressure at the *fixture* to 550 kPa.

7.6.3.4. Size

(1) Every *water service pipe* shall be sized according to the peak demand flow but shall not be less than ¾ in. in *size*.

(2) Except as permitted in Sentence (3), the *size* of a supply pipe that serves a *fixture* or device shall conform to Table 7.6.3.2.A.

(3) For *fixtures* listed in Table 7.6.3.2.A that have a permitted supply pipe *size* of ⅜ in., a connector not more than 750 mm long and not less than 6.3 mm inside diameter may be used to supply water to the *fixture* or device.

(4) No *water system* between the point of connection with the *water service pipe* or the water meter and the first branch that supplies a water heater that serves more than one *fixture* shall be less than ¾ in. in *size*.

(5) Where both hot and cold water is supplied to *fixtures* in residential *buildings* containing one or two *dwelling units* or row houses with separate *water service pipes*, the *water system* may be sized in accordance with Table 7.6.3.4. where,

July 10, 2015

Report To: Mayor & Council

From: Doug Brown, Manager Operations & Facilities

SUBJECT: Endorsement of Long Term (2015 to 2021) Financial Plan For Water and Wastewater Systems

The Town's first Municipal Drinking Water licence (licence # 224-601) is due to expire on July 26, 2016. See attached a full copy of drinking water licence No. 224-601. An application for licence renewal must be submitted by January 26, 2016. In order to renew the municipal drinking water licence an up-dated long term financial plan must be in place for six years starting in the year the licence would expire.

The Town retained BMA Management Consultants to prepare the financial plans for the water and wastewater systems in accordance to Ontario Regulation 453/07. See attached a draft copy of the long-range financial plan for both systems. In summary the financial plan indicates approximately a 2.617% increase in revenue is required in each year over the next six (6) years to achieve financial sustainability.

The Town is required to submit the financial plan to the Ministry of Municipal Affairs & Housing prior to January 26, 2016. The financial plan must be approved by a resolution of Council. It should be clearly stated that this financial plan is a guideline or tool to assist Council and Administration in establishing the water and wastewater rates for any given year.

The Operations & Facilities Executive committee recommends the following;

1) That the Long Range Financial Plan for both the Water and Wastewater Systems for the period 2015 to 2021 prepared by BMA Management Consulting Inc. is accepted and that a separate resolution is prepared.

2) That a copy of the Long Range Financial Plan for both the Water and Wastewater Systems be forwarded to the Ministry of Municipal Affairs & Housing prior to January 26, 2016.

Respectfully submitted

Doug Brown, P. Eng.
Operations and Facilities Manager

Council approval of this report will ensure the following;

1) That the Long Range Financial Plan for both the Water and Wastewater Systems for the period 2015 to 2021 prepared by BMA Management Consulting Inc. is accepted and that a separate resolution is prepared.

2) That a copy of the Long Range Financial Plan for both the Water and Wastewater Systems be forwarded to the Ministry of Municipal Affairs & Housing prior to January 26, 2016.

RECOMMENDED

SEP 09 2015

DIV. MNG. _____

EXECUTIVE COMM. _____

Ontario

MUNICIPAL DRINKING WATER LICENCE

Licence Number: 224-101
Issue Number: 1

Pursuant to the *Safe Drinking Water Act*, 2002, S.O. 2002, c. 32, and the regulations made thereunder and subject to the limitations thereof, this municipal drinking water licence is issued under Part V of the *Safe Drinking Water Act*, 2002, S.O. 2002, c. 32 to:

The Corporation of the Town of Fort Frances

320 Portage Avenue
Fort Frances, ON P9A 3P9

For the following municipal residential drinking water system:

Fort Frances Drinking Water System

This municipal drinking water licence includes the following:

Schedule	Description
Schedule A	Drinking Water System Information
Schedule B	General Conditions
Schedule C	System-Specific Conditions
Schedule D	Conditions for Relief from Regulatory Requirements

DATED at TORONTO this 29th day of July, 2011

Signature

Indra R. Prashad, P.Eng.
Director
Part V, *Safe Drinking Water Act*, 2002

Schedule A: Drinking Water System Information

System Owner	**The Corporation of the Town of Fort Frances**
Licence Number	**224-101**
Drinking Water System Name	**Fort Frances Drinking Water System**
Schedule A Issue Date	**July 29th, 2011**

The following information is applicable to the above drinking water system and forms part of this licence:

Licence

Licence Issue Date	July 29, 2011
Licence Expiry Date	July 27, 2016
Application for Licence Renewal Date	January 26, 2016

Drinking Water Works Permit

Drinking Water System Name	Permit Number	Issue Date
Fort Frances Drinking Water System	224-201	July 19, 2011

Permits to Take Water

Water Taking Location	Permit Number	Issue Date
Rainy River	7280-6UAMD9	July 12, 2006

Financial Plans

The Financial Plan Number for the Financial Plan required to be developed for this drinking water system in accordance with O. Reg. 453/07 shall be:	224-301
Alternately, if one Financial Plan is developed for all drinking water systems owned by the owner, the Financial Plan Number shall be:	224-301A

Accredited Operating Authority

Drinking Water System or Operational Subsystems	Accredited Operating Authority	Operational Plan Number
Fort Frances Drinking Water System	The Corporation of the Town of Fort Frances	224-401

Schedule B: General Conditions

System Owner	**The Corporation of the Town of Fort Frances**
Licence Number	**224-101**
Drinking Water System Name	**Fort Frances Drinking Water System**
Schedule B Issue Date	**July 29th, 2011**

1.0 Definitions

1.1 Words and phrases not defined in this licence and the associated drinking water works permit shall be given the same meaning as those set out in the SDWA and any regulations made in accordance with that act, unless the context requires otherwise.

1.2 In this licence and the associated drinking water works permit:

"**adverse effect**", "**contaminant**" and "**natural environment**" shall have the same meanings as in the EPA;

"**alteration**" may include the following in respect of this drinking water system:

(a) An addition to the system,
(b) A modification of the system,
(c) A replacement of part of the system, and
(d) An extension of the system;

"**compound of concern**" means a contaminant that, based on generally available information, may be emitted from a component of the drinking water system to the atmosphere in a quantity that is significant either in comparison to the relevant point of impingement limit or if a point of impingement limit is not available for the compound, then based on generally available toxicological information, the compound has the potential to cause an adverse effect as defined by the EPA at a point of impingement;

"**Director**" means a Director appointed pursuant to section 6 of the SDWA for the purposes of Part V of the SDWA;

"**drinking water works permit**" means the drinking water works permit for the drinking water system as identified in Schedule A of this licence;

"**emission summary table**" means the table that was prepared by a Professional Engineer in accordance with O. Reg. 419/05 and the procedure document listing the appropriate point of impingement concentrations of each compound of concern emitted from a component of the drinking water system and providing comparison to the corresponding point of impingement limit;

"**EPA**" means the *Environmental Protection Act*, R.S.O. 1990, c. E.19;

"**financial plan**" means the financial plan required by O. Reg. 453/07 and the conditions of this licence;

"**licence**" means this municipal drinking water licence for the municipal drinking water system identified in Schedule A of this licence;

"**operational plan**" means an operational plan developed in accordance with the Director's Directions – Minimum Requirements for Operational Plans made under the authority of subsection 15(1) of the SDWA;

"**owner**" means the owner of the drinking water system as identified in Schedule A of this licence;

"**point of impingement**" means any point in the natural environment that is not on the same property as the source of the contaminant and as defined by section 2 of O. Reg. 419/05;

"**point of impingement limit**" means the appropriate standard from Schedule 1, 2 or 3 of O. Reg. 419/05 and if a standard is not provided for a compound of concern, the appropriate criteria listed in the Ministry of the Environment publication titled "Summary of Standards and Guidelines to support Ontario Regulation 419: Air Pollution – Local Air Quality (including Schedule 6 of O. Reg. 419 on Upper Risk Thresholds)", dated February 2008, as amended;

"**procedure document**" means the Ministry of the Environment procedure titled "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated July 2005, as amended;

"**Professional Engineer**" means a Professional Engineer who has been licenced to practice in the Province of Ontario;

"**provincial officer**" means a provincial officer appointed pursuant to section 8 of the SDWA;

"**publication NPC-205**" means the Ministry of the Environment publication titled "Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban)" dated October 1995, as amended;

"**publication NPC-207**" means the Ministry of the Environment draft technical publication titled "Impulse Vibration in Residential Buildings" dated November 1983, supplementing the Ministry of the Environment "Model Municipal Noise Control By-law, Final Report" dated August 1978;

"**publication NPC-232**" means the Ministry of the Environment publication titled "Sound Level Limits for Stationary Sources in Class 3 Areas (Rural)" dated October 1995, as amended;

"**SDWA**" means the *Safe Drinking Water* Act, 2002, S.O. 2002, c. 32;

"**sensitive populations**" means any one or a combination of the following locations where the health effects of nitrogen oxides emissions from emergency generator(s) shall be considered using the point of impingement limit instead of the Ministry of the Environment screening level for emergency generator(s):

(a) health care units (e.g., hospitals and nursing homes),
(b) primary/junior public schools,
(c) day-care facilities, and
(d) playgrounds;

2.0 Applicability

2.1 In addition to any other requirements, the drinking water system identified above shall be established, altered and operated in accordance with the conditions of the drinking water works permit and this licence.

3.0 Licence Expiry

3.1 This licence expires on the date identified as the licence expiry date in Schedule A of this licence.

4.0 Licence Renewal

4.1 Any application to renew this licence shall be made on or before the date identified as the application for licence renewal date set out in Schedule A of this licence.

5.0 Compliance

5.1 The owner and operating authority shall ensure that any person authorized to carry out work on or to operate any aspect of the drinking water system has been informed of the SDWA, all applicable regulations made in accordance with that act, the drinking water works permit and this licence and shall take all reasonable measures to ensure any such person complies with the same.

6.0 Licence and Drinking Water Works Permit Availability

6.1 At least one copy of this licence and the drinking water works permit shall be stored in such a manner that they are readily viewable by all persons involved in the operation of the drinking water system.

7.0 Permits to Take Water

7.1 A permit to take water identified in Schedule A of this licence is associated with the taking of water for purposes of the operation of the drinking water system and is the applicable permit on the date identified as the Schedule A Issue Date.

8.0 Financial Plan

8.1 The owner of the drinking water system, by the later of July 1, 2010 and the date that is six months after the date the first licence for the system is issued, shall prepare and approve financial plans for the system that satisfy the requirements prescribed under section 3 of O. Reg. 453/07.

8.2 The owner of the drinking water system shall ensure that every financial plan prepared in accordance with subsections 2 (1) and 3 (1) of O. Reg. 453/07 contains on the front page of the financial plan, the appropriate financial plan number as set out in Schedule A of this licence.

9.0 Interpretation

9.1 Where there is a conflict between the provisions of this licence and any other document, the following hierarchy shall be used to determine the provision that takes precedence:

9.1.1 The SDWA;

9.1.2 A condition imposed in this licence that explicitly overrides a prescribed regulatory requirement;

9.1.3 A condition imposed in the drinking water works permit that explicitly overrides a prescribed regulatory requirement;

9.1.4 Any regulation made under the SDWA;

9.1.5 Any provision of this licence that does not explicitly override a prescribed regulatory requirement;

9.1.6 Any provision of the drinking water works permit that does not explicitly override a prescribed regulatory requirement;

9.1.7 Any application documents listed in this licence, or the drinking water works permit from the most recent to the earliest; and

9.1.8 All other documents listed in this licence, or the drinking water works permit from the most recent to the earliest.

9.2 If any requirement of this licence or the drinking water works permit is found to be invalid by a court of competent jurisdiction, the remaining requirements of this licence and the drinking water works permit shall continue to apply.

9.3 The issuance of and compliance with the conditions of this licence and the drinking water works permit does not:

9.3.1 Relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including the *Environmental Assessment Act*, R.S.O. 1990, c. E.18; and

9.3.2 Limit in any way the authority of the appointed Directors and provincial officers of the Ministry of the Environment to require certain steps be taken or to require the owner to furnish any further information related to compliance with the conditions of this licence or the drinking water works permit.

9.4 For greater certainty, nothing in this licence or the drinking water works permit shall be read to provide relief from regulatory requirements in accordance with section 46 of the SDWA, except as expressly provided in the licence or the drinking water works permit.

10.0 Adverse Effects

10.1 Nothing in this licence or the drinking water works permit shall be read as to permit:

10.1.1 The discharge of a contaminant into the natural environment that causes or is likely to cause an adverse effect; or

10.1.2 The discharge of any material of any kind into or in any waters or on any shore or bank thereof or into or in any place that may impair the quality of the water of any waters.

10.2 All reasonable steps shall be taken to minimize and ameliorate any adverse effect on the natural environment or impairment of the quality of water of any waters resulting from the operation of the drinking water system including such accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment.

10.3 Fulfillment of one or more conditions imposed by this licence or the drinking water works permit does not eliminate the requirement to fulfill any other condition of this licence or the drinking water works permit.

11.0 Change of Owner or Operating Authority

11.1 This licence is not transferable without the prior written consent of the Director.

11.2 The owner shall notify the Director in writing of a change of any operating authority identified in Schedule A of this licence.

12.0 Information to be Provided

12.1 Any information requested by a Director or a provincial officer concerning the drinking water system and its operation, including but not limited to any records required to be kept by this licence or the drinking water works permit, shall be provided upon request.

13.0 Records Retention

13.1 Except as otherwise required in this licence or the drinking water works permit, any records required by or created in accordance with this licence or the drinking water works permit, other than the records specifically referenced in section 12 of O. Reg. 170/03, shall be retained for at least 5 years and made available for inspection by a provincial officer, upon request.

14.0 Chemicals and Materials

14.1 All chemicals and materials used in the alteration or operation of the drinking water system that come into contact with water within the system shall meet all applicable standards set by both the American Water Works Association ("AWWA") and the American National Standards Institute ("ANSI") safety criteria standards NSF/60 and NSF/61.

14.2 The most current chemical and material product registration documentation from a testing institution accredited by either the Standards Council of Canada or by the American National Standards Institution ("ANSI") shall be available at all times for each chemical and material used in the operation of the drinking water system that comes into contact with water within the system.

14.3 Conditions 14.1 and 14.2 do not apply in the case of the following:

14.3.1 Water pipe and pipe fittings meeting AWWA specifications made from ductile iron, cast iron, PVC, fibre and/or steel wire reinforced cement pipe or high density polyethylene (HDPE);

14.3.2 Articles made from stainless steel, glass, HDPE or Teflon®;

14.3.3 Cement mortar for watermain lining and for water contacting surfaces of concrete structures made from washed aggregates and Portland cement;

14.3.4 Food grade oils and lubricants; or

14.3.5 Any particular chemical or material where the owner has written documentation signed by the Director that indicates that the Ministry of the Environment is satisfied that the chemical or material is acceptable for use within the drinking water system and the chemical or material is only used as permitted by the documentation.

15.0 Drawings

15.1 All drawings and diagrams in the possession of the owner that show any treatment subsystem as constructed shall be retained by the owner unless the drawings and diagrams are replaced by a revised or updated version showing the subsystem as constructed subsequent to the alteration.

15.2 Any alteration to any treatment subsystem shall be incorporated into process flow diagrams, process and instrumentation diagrams, and record drawings and diagrams within one year of the substantial completion of the alteration.

15.3 Process flow diagrams and process and instrumentation diagrams for any treatment subsystem shall be kept in a place, or made available in such a manner, that they may be readily viewed by all persons responsible for all or part of the operation of the drinking water system.

16.0 Operations and Maintenance Manual

16.1 An up-to-date operations and maintenance manual or manuals shall be maintained and applicable parts of the manual or manuals shall be made available for reference by all persons responsible for all or part of the operation or maintenance of the drinking water system.

16.2 The operations and maintenance manual or manuals, shall include at a minimum:

16.2.1 The requirements of this licence and associated procedures;

16.2.2 The requirements of the drinking water works permit for the drinking water system;

16.2.3 Procedures for monitoring and recording the in-process parameters necessary for the control of any treatment subsystem and for assessing the performance of the drinking water system;

16.2.4 Procedures for the operation and maintenance of monitoring equipment;

16.2.5 Contingency plans and procedures for the provision of adequate equipment and material to deal with emergencies, upset conditions and equipment breakdown;

16.2.6 Procedures for dealing with complaints related to the drinking water system, including the recording of the nature of the complaint and any investigation and corrective action taken in respect of the complaint;

16.3 Procedures necessary for the operation and maintenance of any alterations to the drinking water system shall be incorporated into the operations and maintenance manual or manuals prior to those alterations coming into operation.

Schedule C: System-Specific Conditions

System Owner	**The Corporation of the Town of Fort Frances**
Licence Number	**224-101**
Drinking Water System Name	**Fort Frances Drinking Water System**
Schedule C Issue Date	**July 29th, 2011**

1.0 Performance Limits

Rated Capacity

1.1 For each treatment subsystem listed in column 1 of Table 1, the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed the value identified as the rated capacity in column 2 of the same row.

Table 1: Rated Capacity

Column 1 Treatment Subsystem Name	Column 2 Rated Capacity (m^3/day)
Fort Frances Water Treatment Plant	17,000

1.2 Despite condition 1.1, a treatment subsystem may be operated temporarily at a daily volume above the value set out in column 2 of Table 1 for the purposes of fighting a large fire or for the maintenance of the drinking water system.

1.3 Condition 1.2 does not authorize the discharge into the distribution system of any water that does not otherwise meet all of the requirements of this licence and all other regulatory requirements, including compliance with the Ontario Drinking Water Quality Standards.

Maximum Flow Rates

1.4 For each treatment subsystem listed in column 1 of Table 2, the maximum flow rate of water that flows into a treatment subsystem component listed in column 2 shall not exceed the value listed in column 3 of the same row.

Table 2: Maximum Flow Rates

Column 1 Treatment Subsystem Name	Column 2 Treatment Subsystem Component	Column 3 Maximum Flow Rate (L/s)
Not Applicable	Not Applicable	Not Applicable

Residue Management

1.5 In respect of an effluent discharged into the natural environment from a treatment subsystem or treatment subsystem component listed in column 1 of Table 3:

1.5.1 The annual average concentration of a test parameter identified in column 2 shall not exceed the value in column 3 of the same row; and

1.5.2 The maximum concentration of a test parameter identified in column 2 shall not exceed the value in column 4 of the same row.

Table 3: Residue Management

Column 1 Treatment Subsystem or Treatment Subsystem Component Name	Column 2 Test Parameter	Column 3 Annual Average Concentration (mg/L)	Column 4 Maximum Concentration (mg/L)
Not Applicable	Not Applicable	Not Applicable	Not Applicable

UV Disinfection Equipment Performance

1.6 For each treatment subsystem or treatment subsystem component listed in column 1 of Table 4, the UV disinfection equipment shall be operated such that a continuous pass-through UV dose is maintained throughout the life time of the UV lamp(s) that is at least the minimum continuous pass-through UV dose set out in column 2 of the same row.

Table 4: UV Disinfection Equipment Performance

Column 1 Treatment Subsystem or Treatment Subsystem Component Name	Column 2 Minimum Continuous Pass-Through UV Dose (mJ/cm^2)
Not Applicable	Not Applicable

2.0 Flow Measurement and Recording Requirements

2.1 For each treatment subsystem identified in column 1 of Table 1 and in addition to any other flow measurement and recording that may be required, continuous flow measurement and recording shall be undertaken for:

2.1.1 The flow rate and daily volume of treated water that flows from the treatment subsystem to the distribution system.

2.1.2 The flow rate and daily volume of water that flows into the treatment subsystem.

2.2 For each treatment subsystem component identified in column 2 of Table 2 and in addition to any other flow measurement and recording that may be required, continuous flow measurement and recording shall be undertaken for the flow rate and daily volume of water that flows into the treatment subsystem component.

2.3 Where a rated capacity from Table 1 or a maximum flow rate from Table 2 is exceeded, the following shall be recorded:

2.3.1 The difference between the measured amount and the applicable rated capacity or maximum flow rate specified in Table 1 or Table 2;

2.3.2 The time and date of the measurement;

2.3.3 The reason for the exceedance; and

2.3.4 The duration of time that lapses between the applicable rated capacity or maximum flow rate first being exceeded and the next measurement where the applicable rated capacity or maximum flow rate is no longer exceeded.

3.0 Calibration of Flow Measuring Devices

3.1 All flow measuring devices must be checked and calibrated in accordance with the manufacturer's instructions.

3.2 If the manufacturer's instructions do not indicate how often to check and calibrate a flow measuring device, the equipment must be checked and calibrated at least once every year during which the drinking water system is in operation.

4.0 Additional Sampling, Testing and Monitoring

Drinking Water Health and Non-Health Related Parameters

4.1 For each treatment subsystem or treatment subsystem component identified in column 1 of Tables 5 and 6 and in addition to any other sampling, testing and monitoring that may be required, sampling, testing and monitoring shall be undertaken for a test parameter listed in column 2 at the sampling frequency listed in column 3 and at the monitoring location listed in column 4 of the same row.

Table 5: Drinking Water Health Related Parameters

Column 1 Treatment Subsystem or Treatment Subsystem Component Name	Column 2 Test Parameter	Column 3 Sampling Frequency	Column 4 Monitoring Location
Not Applicable	Not Applicable	Not Applicable	Not Applicable

Table 6: Drinking Water Non-Health Related Parameters			
Column 1 Treatment Subsystem or Treatment Subsystem Component Name	**Column 2 Test Parameter**	**Column 3 Sampling Frequency**	**Column 4 Monitoring Location**
Not Applicable	Not Applicable	Not Applicable	Not Applicable

Environmental Discharge Parameters

4.2 For each treatment subsystem or treatment subsystem component identified in column 1 of Table 7 and in addition to any other sampling, testing and monitoring that may be required, sampling, testing and monitoring shall be undertaken for a test parameter listed in column 2 using the sample type identified in column 3 at the sampling frequency listed in column 4 and at the monitoring location listed in column 5 of the same row.

4.3 For the purposes of Table 7:

4.3.1 Manual Composite means the mean of at least three grab samples taken during a discharge event, with one sample being taken immediately following the commencement of the discharge event, one sample being taken approximately at the mid-point of the discharge event and one sample being taken immediately before the end of the discharge event; and

4.3.2 Automated Composite means samples must be taken during a discharge event by an automated sampler at a minimum sampling frequency of once per hour.

4.4 Any sampling, testing and monitoring for the test parameter Total Suspended Solids shall be performed in accordance with the requirements set out in the publication "Standard Methods for the Examination of Water and Wastewater", 21st Edition, 2005, or as amended from time to time by more recently published editions.

Table 7: Environmental Discharge Parameters				
Column 1 Treatment Subsystem or Treatment Subsystem Component Name	**Column 2 Test Parameter**	**Column 3 Sample Type**	**Column 4 Sampling Frequency**	**Column 5 Monitoring Location**
Fort Frances Water Treatment Plant	Suspended Solids	Composite	Quarterly	Point of discharge to Rainy River

UV Disinfection Equipment

4.5 For each treatment subsystem or treatment subsystem component listed in column 1 of Table 8 and in addition to any other sampling, analysis and recording that may be required, continuous monitoring and recording with a minimum testing/reading and recording frequency of every four (4) hours shall be carried out for the test parameters set out in column 3 of the same row.

Table 8: UV Disinfection Equipment

Column 1 Treatment Subsystem or Treatment Subsystem Component Name	Column 2 Control Strategy	Column 3 Test Parameter
Fort Frances Water Treatment Plant	Not Applicable	Not Applicable

5.0 Studies Required

5.1 Not applicable

Schedule D: Conditions for Relief from Regulatory Requirements

System Owner	**The Corporation of the Town of Fort Frances**
Licence Number	**224-101**
Drinking Water System Name	**Fort Frances Drinking Water System**
Schedule D Issue Date	**July 29th, 2011**

1.0 Lead Regulatory Relief

1.1 Any relief from regulatory requirements previously authorized by the Director in respect of the drinking water system under section 38 of the SDWA in relation to the sampling, testing or monitoring requirements contained in Schedule 15.1 of O. Reg. 170/03 shall remain in force until such time as Schedule 15.1 of O. Reg. 170/03 is amended after June 1, 2009.

2.0 Other Regulatory Relief

2.1 Not Applicable.

Town of Fort Frances
Water and Wastewater Long Range Financial Plan Forecast (2016-2021)

O. Reg. 453/07 Financial Plan
May 2015

Table of Contents

Introduction	1
Review of Regulatory and Legislative Requirements	2
Principles of Financial Sustainability	4
Importance of a Long Range Financial Plan	5
General Approach to Preparing the Town's LRFP	5
The LRFP is Dynamic—Regular Updates Will Be Undertaken	6
Financial Plan Development	7
Model Development	8
Asset Renewal/Replacement	9
Reserves and Revenue Stability	10
Debt	11
Summary—Financial Policies and Strategies	12
Forecast Key Assumptions	13
Summary of Rate Revenue Requirements	14
Water and Wastewater Capital Budget	15
Reporting Requirements—O.Reg. 453/07	16
Water and Wastewater Reporting Requirements—O.Reg. 453/07	17
Statement of Financial Operations—Water	18
Statement of Cash Flow/Cash Receipts—Water	19
Statement of Financial Position—Water	20
Statement of Financial Operations—Wastewater	21
Statement of Cash Flow/Cash Receipts—Wastewater	22
Statement of Financial Position—Wastewater	23

Introduction

Review of Regulatory and Legislative Requirements

The Town of Fort Frances, along with other Ontario municipalities that are responsible for the provision of drinking water, are required to meet the requirements set out in the Financial Plans Regulations O.Reg.453/07. While the regulations are directed at **water systems**, the approach, as encouraged by the Province and being undertaken by the Town, was to undertake a similar process for the Town's **wastewater systems**.

The Town of Fort Frances is taking a proactive approach and has recognized the need for a long-term financial planning process that assesses the financial implications of current and proposed policies as well as Council approved decisions in its water and wastewater operations. The goal is to ensure that the Town's water and wastewater operations are in a sound financial position and services can be provided on a sustainable basis.

Ontario Reg. 453/07 provides the following parameters with regards to s.30 (1) part b of the Safe Drinking Water Act for new water systems:

- The financial plan must be approved by Council resolution (or governing body) indicating that the drinking water system is financially viable;
- The financial plan must include a statement that the financial impacts have been considered and apply for a minimum six year period (commencing when the system first serves the public);
- The financial plan must include detail regarding proposed or projected financial operations itemized by total revenues, total expenses, annual surplus/deficit and accumulated surplus/deficit (i.e. the components of a "Statement of Operations" as per PSAB) for each year in which the financial plans apply;
- The financial plan is to be made available to the public upon request and at no charge;
- If a website is maintained, financial plans are to be made available to the public through publication on the Internet at no charge; and
- Notice of the availability of the financial plans is to be given to the public.

There are three statements that must be completed, in accordance with the O. Reg. 453/07. These include:

Statement of Operations

The ***Statement of Operations*** summarizes the revenues and operating expenses for a given period.

Statement of Cash Flows

The ***Statement of Cash Flows*** reports on how activities were financed for a given period which provides a measure of the changes in cash for that period.

Statement of Financial Position

The ***Statement of Financial Position*** reports on whether enough revenue was generated in a period to cover the expenses in the period and whether sufficient resources have been generated to support current and future activities.

The categories of financial information have been developed to ensure:

- that they provide a sound picture of the financial position of a drinking water system;
- that they are aligned with municipal financial statements prepared on a full accrual accounting basis, and
- consistent financial planning for municipal water services.

The goal is to provide the Town with a realistic and informed view of operating and capital expenditures needed over time to maintain the integrity and health of its physical infrastructure and to accommodate growth and new environmental standards. As such, a Long Range Financial Plan (LRFP) creates a more purposeful approach to long-term financial management and helps align short term actions with long term financial strategies.

This document puts the Town's water financial condition in perspective, discusses the current challenges and risks and provides a sustainable financial forecast. The plan also provides a framework for guiding the annual budget and the financial planning over a longer horizon. The LRFP helps to understand the implications that today's decisions have on future budgets. The LRFP has been prepared to meet the regulatory requirements. It does not represent a formal multi-year budget. The approval of the budget is undertaken annually. The LRFP is a living document that needs to be updated as assumptions and economic conditions change.

Principles of Financial Sustainability

The Ministry of the Environment released a guideline ("Towards Financially Sustainable Drinking-Water and Wastewater Systems") that provides possible approaches to achieving sustainability. The Province's Principles of Financially Sustainable Water and Wastewater Services are provided below:

- **Principle #1**: Ongoing public engagement and transparency can build support for, and confidence in, financial plans and the system(s) to which they relate.
- **Principle #2**: An integrated approach to planning among water, wastewater, and storm water systems is desirable given the inherent relationship among these services.
- **Principle #3**: Revenues collected for the provision of water and wastewater services should ultimately be used to meet the needs of those services.
- **Principle #4**: Life-cycle planning with mid-course corrections is preferable to planning over the short-term, or not planning at all.
- **Principle #5**: An asset management plan is a key input to the development of a financial plan.
- **Principle #6**: A sustainable level of revenue allows for reliable service that meets or exceeds environmental protection standards, while providing sufficient resources for future rehabilitation and replacement needs.
- **Principle #7:** Ensuring users pay for the services they are provided leads to equitable outcomes and can improve conservation. In general, metering and the use of rates can help ensure users pay for services received.
- **Principle #8**: Financial Plans are "living" documents that require continuous improvement. Comparing the accuracy of financial projections with actual results can lead to improved planning in the future.
- **Principle #9**: Financial plans benefit from the close collaboration of various groups, including engineers, accountants, auditors, utility staff, and municipal council.

The LRFP will be instrumental in the Town's ability to meet the Provincial reporting requirements included in O.Reg. 453/07 for water operations and has been developed in recognition of the above noted principles.

Importance of a Long Range Financial Plan

A LRFP is a framework to guide the Town in planning and decision -making:

- Examines fiscal trends (past and future);
- Identifies fiscal issues and opportunities;
- Increases communication & awareness;
- Stimulates long-term thinking;
- Helps establish fiscal policies and goals;
- Reasonable degree of stability and predictability in the rate burden;
- A fair sharing in the distribution of resources between current and future ratepayers;
- Sustainable cash flows;
- Maximizes its financial flexibility; and
- Minimizes financial vulnerability during economic downturns.

General Approach to Preparing the Town's LRFP

The LRFP identifies the key financial strategies that will influence the building of a sustainable long-term financial future and takes into account:

- Expected expenses and capital outlays for each year of the plan;
- Expected revenues for each year;
- Financial performance measures; and
- Sensitivity analysis on key assumptions.

The LRFP is Dynamic—Regular Updates Will Be Undertaken

Although great effort has been made to present accurate financial projections, based upon the data available at this time, a LRFP is a dynamic document and should be updated and re-evaluated, on an ongoing basis. As such, the 2015 Water and Wastewater LRFP should be considered a work-in-progress.

It is not an exercise in precision, rather it is intended for use as a forecasting tool to ensure that the Town is on the right course to meet its financial obligations and future challenges. The intent is to provide Council with regular updates to this document, so it will be useful in the ongoing cycle of business planning and budgeting.

Financial plans are only required to be updated in conjunction with every application for licence renewal (i.e. every 5 years), however, there are many potential circumstances that could occur within the short to medium term that would affect the assumptions in the projections for operating and capital. Council priorities, planning policies, changes to service levels, consumption projections and infrastructure requirements, will certainly lead to changes and the LRFP should be adjusted to reflect these changes as they occur.

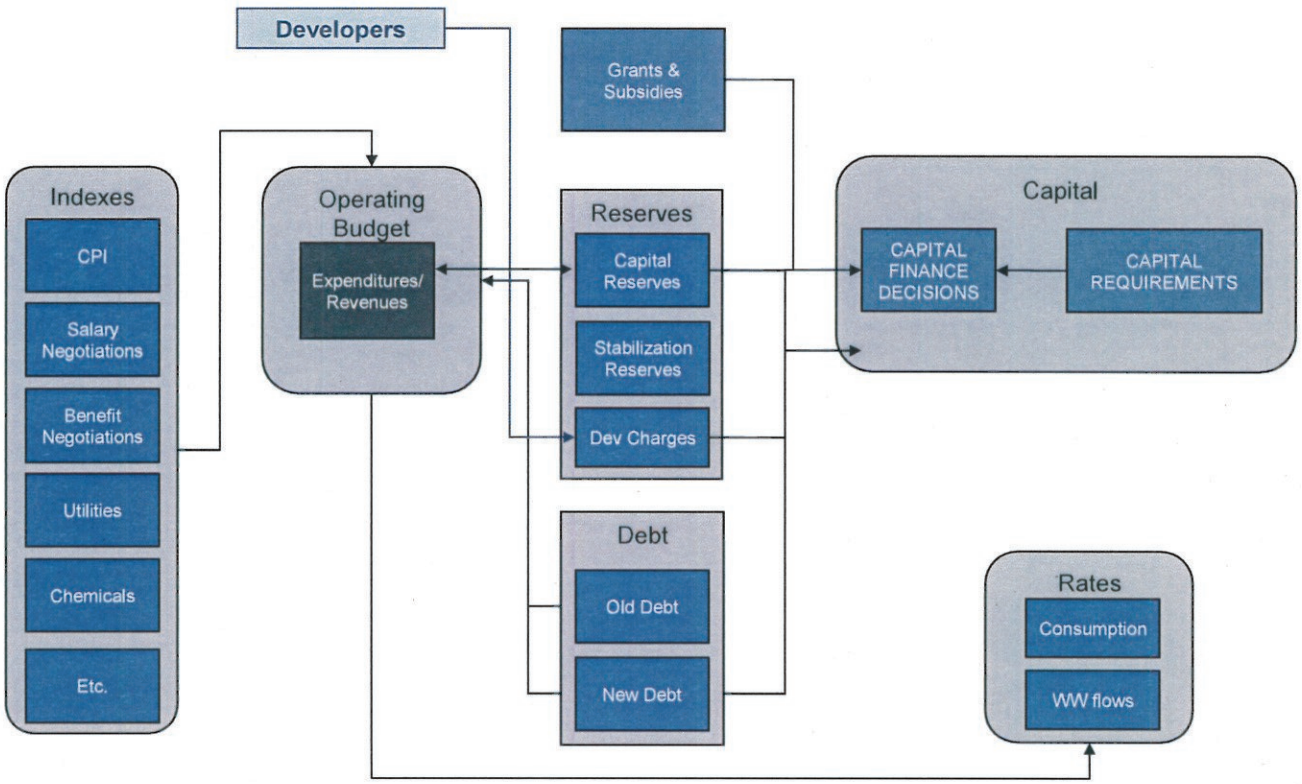
It is anticipated that updates to the LRFP will:

- Amend the assumptions, projections and strategies, as required, based on changes in the municipal environment;
- Continue building awareness of future changes in current operating and capital spending and funding levels;
- Assist the Town in determining the extent of its financial challenges;
- Reconfirm the key financial goals and strategies that should guide future planning; and
- Spur the development of actions in future business plans that would respond to the long-term strategies.

Financial Plan Development

Model Development

The LRFP is developed based on an analysis of all factors impacting the capital and operating budget, including financing plans, consumption and wastewater flow forecasts. This forecast also includes assumptions with respect to growth and development charge revenues, interest rates impacting reserves and debt issuance. As shown below, due to the inter-relationship between all components of the plan, changes in any of the assumptions will potentially have an impact throughout the LRFP.



Asset Renewal/Replacement

The full cost of managing the Town's water and wastewater systems has been taken into consideration in calculating the revenue requirements for the supply of water and the treatment of wastewater. The approach undertaken in the analysis of lifecycle costing was to use the PSAB and asset management plan data to develop a replacement schedule based on the useful life and estimated replacement cost.

The Town's assets include approximately 70 kms of water pipelines and 57 kms of sanitary sewer mains. In addition, the Town has treatment plants, valves, hydrants, standpipes, vehicles/ equipment and manholes. The following table provides a summary of the water and wastewater assets.

	Historical Cost	Replacement Cost	Annual Amortization Based on Historical Costs	Annual Amortization per Asset Mgmt Strategy
	(000's)	(000's)	(000's)	(000's)
Water/WW				
Water	$ 31,010	$ 66,700	$ 538	$ 1,293
Wastewater	$ 24,383	$ 57,100	$ 466	$ 1,121
Total	$ 55,393	$ 123,800	$ 1,004	$ 2,414

The Town has $31 million in water assets (based on historical costs) and $24.4 million in wastewater assets. On a replacement cost basis, this is estimated to be $66.7 million in water assets and $57.1 million in wastewater assets.

The annual amortization provides an estimate of the amount of monies that should be annually set aside for the future replacement/refurbishment of the existing assets. The annual amortization based on replacement cost is $2.4 million. This is based on the Town's Asset Management Strategy which was undertaken in 2014.

In 2015, the Town contributed approximately $2.0 million toward the replacement of capital assets as follows:

- $1.9 million toward its capital reserves
- $0.1 million in debt principal payments

	Water (000's)	WW (000's)	Combined (000's)
Annual Contributions to Capital			
To Capital and Reserve Funds	$ 1,047	$ 901	$ 1,949
To Debt Principal Payments		$ 103	$ 103
Total Contribution to Capital	$ 1,047	$ 1,005	$ 2,052
Replacement Amortization Expense	$ 1,293	$ 1,121	$ 2,414
Funding Gap (Replacement Amortization)	$ (246)	$ (116)	$ (362)

As shown above, the combined annual funding gap in 2015 is $362,000 based on a replacement costing. This will be addressed in the long range financial plan to move the Town toward financial sustainability.

The capital requirements from 2015-2021 based on replacement costs and useful life of the assets is estimated at $19.1 million ($10 million for water and $9.1 million for wastewater).

The Town of Fort Frances, like other municipalities in Ontario, has to fund programs and services it provides within a limited funding framework. The Town must address rising costs and aging infrastructure with relatively flat revenue streams and limited ability to modify the services it provides.

The recommended strategy in this report is to gradually address the infrastructure backlog as well as meet the replacement requirements of assets as they become due for replacement over the next 6 years. Ratepayer affordability must be taken into consideration and therefore a phase-in strategy has been developed to gradually move toward a fully funded asset management financial plan to address the existing backlog and the annual underfunding of the capital program.

Reserves and Revenue Stability

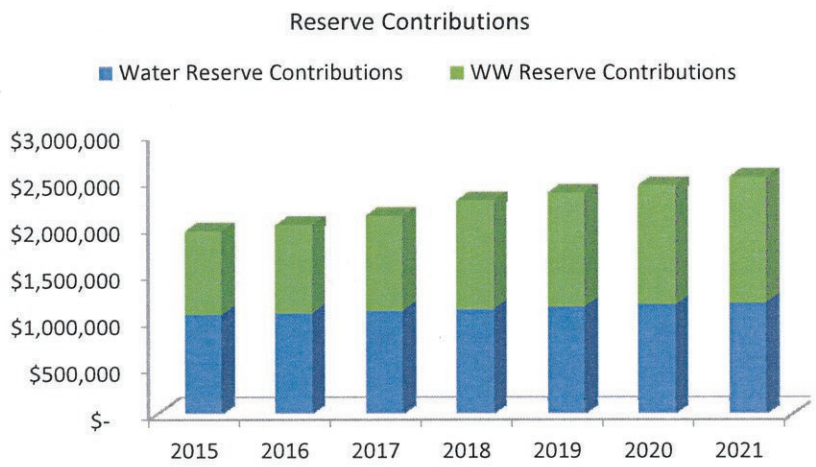
A Reserve and Reserve Fund is a financial provision or amount that is designated for a future purpose that extends beyond the current fiscal year. While its balance may vary over the course of a year, the Reserve/Reserve Fund is carried forward from one fiscal year to the next to facilitate multi-year financial planning.

Reserves/Reserve Funds can be established to meet specific liabilities such as the replacement/acquisition of capital assets or to protect against known risks or unforeseen circumstances that may create financial difficulties. The purpose for maintaining reserves/reserve funds includes:

- To provide rate stabilization in the face of variable and uncontrollable factors;
- To provide financing for one-time or short term requirements without permanently impacting the water/ww rates;
- To make provisions for replacements/renewals/acquisitions of assets/infrastructure that are currently being consumed
- To avoid spikes in funding requirements for large capital projects by reducing their reliance on long-term debt borrowings;
- To smooth the rate impact of major capital projects on the operating budget;
- To provide a source of internal financing;
- To ensure adequate and sustainable cash flows; and
- To provide **financial sustainability**

The Town's water and wastewater capital reserves are used for rate stabilization and capital expenditures. The Town's consolidated Water/Wastewater Reserves is $6.9 million by the end of 2014. The recommended strategy is to gradually increase the contributions to reserves to have sufficient funds to support the capital program as well as to provide revenue stability for the operations. The strategy is built on the principle that the reserves will be used to fund the replacement or refurbishment of existing assets and will be funded through calculated annual contributions from the Operating Budget based on capital replacement costs.

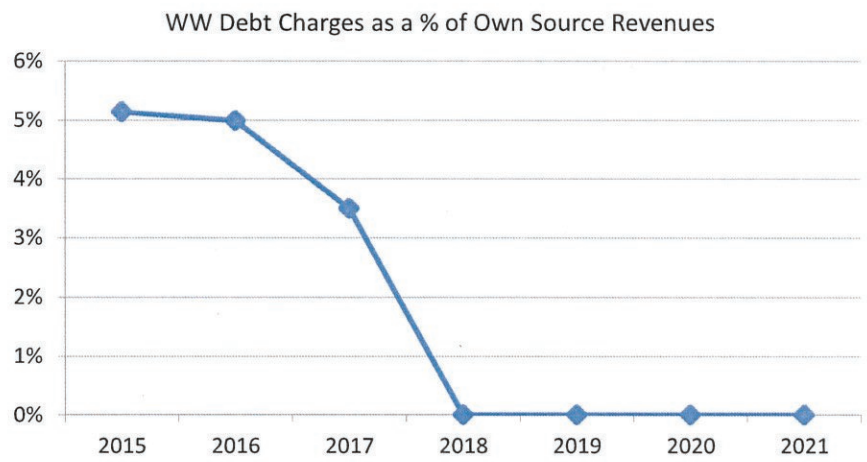
The following graph provides the annual contributions to the reserves to meet the capital program and provide sufficient revenue stability. By 2019, the annual contribution to the water and wastewater reserve will equal the annual replacement amortization which is required to fund the replacement of existing assets.



Debt

Debt levels and their related annual costs are important long-term obligations that must be managed within the available resources. An effective debt management policy provides guidelines for the Town to manage debt. Debt servicing costs are low, well within industry standards. The existing policy is to keep debt service costs at 15% or less of the rate revenue requirements.

The Town currently has $0.3 million in debt outstanding in wastewater. There is no further debt required over the next six years. Debt will be retired by the end of 2017. The Town's debt is well below the existing policy.



Summary—Financial Policies and Strategies

The following summarizes the existing financial policies and strategies:

- ***The Town will maintain all Water/Wastewater infrastructure in a state of good repair by implementing life cycle costing and providing adequate annual contributions to the replacement reserves to fund the future rehabilitation/replacement of assets.***
- ***To ensure that the reserves also provide for revenue stabilization, it is recommended that the water and wastewater reserves be maintained at approximately 10% or greater of the water and wastewater annual revenues.***
- ***Future debt service payments will be made while ensuring the following:***
  - ***The provision of essential services is not jeopardized.***
  - ***Financial flexibility is maintained by ensuring that there are sufficient revenues to meet unanticipated expenditures and accommodate revenue fluctuations.***
  - ***Outstanding debt obligations will not threaten long-term financial stability.***
  - ***The amount of outstanding debt will not place an undue burden on local ratepayers.***
- ***The Town's Water and Wastewater debt charges ratio as a percentage of own source revenues, will not exceed 15% as considered acceptable by credit rating agencies.***
- ***The Town will update the LRFP as new information becomes available that could materially change the forecast.***

Forecast Key Assumptions

The following provides the key assumptions in the Forecast:

- ***Capital Projects***—Water and Wastewater Capital Forecast is based on the capital needs as identified by the Town. The plan includes $8.3 million for water and $7.2 million for wastewater capital expenditures for over the next 6 years (2016-2021).
- ***Water & Wastewater Capital Reserves***—The opening balance for 2015 Water and Wastewater Capital Reserves and Reserve Funds are based on the year-end balance for 2014.
- ***Sources of Financing***—Capital Reserves were used as the sole source of financing.
- ***Debt*** - no new debt will be issued over the next six years.
- ***Expenditure & Revenue Increases***—based on:
  - Salary, wage and benefit increases 2.0% annually;
  - Miscellaneous expenses increases of 2.0% annually; and
  - Other revenues 2%.
- ***Disposals***—assumes no disposals of tangible capital assets.
- ***Useful Life***—based on the Town's tangible capital asset policies.
- ***Reserve Contributions***—The annual contribution to reserves varies annually based on an assumed 2% for water and 5% rate revenue requirement increase annually.
- ***Reserve Interest***—Assumes 2% annual interest earned on reserve balances
- ***Service Standards***—Water and wastewater programs are maintained at their current service levels.

Summary of Rate Revenue Requirements

The Town's objective in establishing the Water and Wastewater rates is to avoid large fluctuations from year to year and to ensure 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 tables reflect the forecast rate revenue requirements.

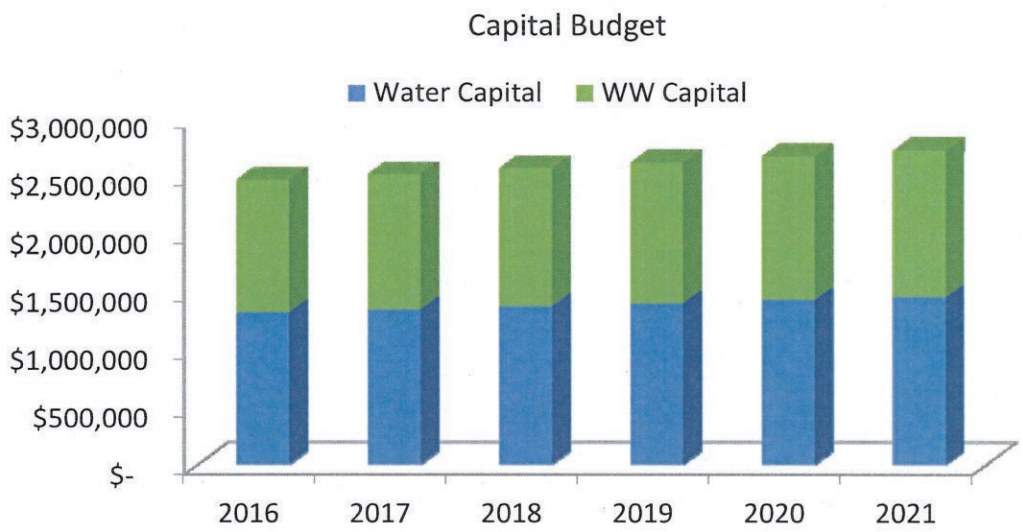
	2015	2016	2017	2018	2019	2020	2021
Water Rate Revenue Requirements	$2,522,892	$2,573,350	$2,624,817	$2,677,313	$2,730,859	$2,785,477	$2,841,186
Wastewater Rate Revenue Requirements	$2,359,937	$2,431,736	$2,506,307	$2,585,495	$2,672,240	$2,762,472	$2,856,347
Total Rate Revenue Requirements	$4,882,829	$5,005,086	$5,131,124	$5,262,808	$5,403,100	$5,547,948	$5,697,534
$ change		$ 122,257	$ 126,038	$ 131,684	$ 140,291	$ 144,849	$ 149,585
% change		2.5%	2.5%	2.6%	2.7%	2.7%	2.7%

As shown above the annual increases in consolidated water and wastewater rate revenue requirements is 2.5% to 2.7% from 2015 to 2021.

Water and Wastewater Capital Budget

As shown below, the Town's 6-year Water Capital Budget is $8.3 million and the Wastewater Capital Budget is $7.2 million.

Capital Budget							
	2016	2017	2018	2019	2020	2021	Total
Water	$1,318,860	$1,345,237	$1,372,142	$1,399,585	$1,427,576	$1,456,128	$ 8,319,528
WW	$1,143,420	$1,166,288	$1,189,614	$1,213,406	$1,237,675	$1,262,428	$ 7,212,832
Total	$2,462,280	$2,511,526	$2,561,756	$2,612,991	$2,665,251	$2,718,556	$15,532,360
Capital Financing							
Reserves	$2,462,280	$2,511,526	$2,561,756	$2,612,991	$2,665,251	$2,718,556	$15,532,360
Grants	$ -	$ -	$ -	$ -	$ -	$ -	
Debt	$ -	$ -	$ -	$ -	$ -	$ -	
Total	$2,462,280	$2,511,526	$2,561,756	$2,612,991	$2,665,251	$2,718,556	$15,532,360



Reporting Requirements—O.Reg. 453/07

Water and Wastewater Financial Plan—O.Reg. 453/07—Introduction

The Financial Plan has been prepared in accordance with the regulation (O.Reg. 453/07) made under the Safe Drinking Water Act. The Financial Plan regulation requires that the plans be updated every five years along with the request for the renewal of the drinking water licence. This ongoing update will assist in revisiting the assumptions made to develop the operating and funding plans as well as reassessing the needs for capital renewal and major maintenance expenses. The following provides a summary of the three statements:

- ***Statement of Financial Operations***—This statement summarizes the revenues and expenditures. The expenditures include ongoing operating costs plus asset amortization. This statement indicates that the system and its asset base are projected to be maintained with funds being available each year for future capital renewal or major maintenance. As shown in the statements of financial operations, the Town is generating excess revenues over expenses including amortization for water and wastewater throughout the forecast period.
- ***Cash Receipts or Gross Cash Payments (Cash Flows)*** —The cash flow statement summarizes how the water system is expected to generate and utilize cash resources. The transactions that generate and use cash include the projection of cash to be received from revenues, cash to be used for operating expenditures and financing charges, cash projected to be used to acquire capital assets and projected financial transactions that are the proceeds from debt or debt principal repayment.
- ***Financial Position —Highlights***:
  - ***Net Financial Assets***—An important feature of a water and wastewater system is its net financial assets. A positive number indicates that the system has the resources to deal with future capital and other needs. A negative number indicates that past capital and other investments must be financed from future revenues. Water and wastewater net financial assets are in a positive position throughout the forecast. No debt was required throughout the term.
  - ***Tangible Capital Assets (Net Book Value)*** - Water systems have a great deal of resources tied up in tangible capital assets and managing these assets is critical to maintaining current and future levels of service. An increase in net book value of tangible capital assets is an indication that assets have been renewed faster than they were used. A decrease in net book value indicates that assets are being used, or amortized, faster than they are renewed. The net book value is projected to increase for water and wastewater indicating that assets are being renewed faster than they are being used.
  - ***Accumulated Surplus***—A third financial indicator that is reflected in the financial position statement is the accumulated surplus. This indicator represents cash on hand plus the net book value of tangible capital assets less debt. The accumulated surplus is forecast to increase from 2015 to 2021 for both water and wastewater.

Statement of Financial Operations—Water

	2015	2016	2017	2018	2019	2020	2021
Water Total Revenues							
Rate Revenues	$ 2,522,892	$ 2,573,350	$ 2,624,817	$ 2,677,313	$ 2,730,859	$ 2,785,477	$ 2,841,186
Miscellaneous Revenues	$ 40,836	$ 41,653	$ 42,486	$ 43,335	$ 44,202	$ 45,086	$ 45,988
Monthly Meter Replacement Revenue	$ 19,533	$ 19,924	$ 20,322	$ 20,729	$ 21,143	$ 21,566	$ 21,997
Interest Revenue	$ 108,724	$ 97,601	$ 94,542	$ 91,323	$ 87,937	$ 84,378	$ 80,643
Total Revenues	$ 2,691,985	$ 2,732,527	$ 2,782,167	$ 2,832,700	$ 2,884,141	$ 2,936,507	$ 2,989,814
Water Total Expenses							
Operating Expenses							
Administration	$ 505,887	$ 516,005	$ 526,325	$ 536,851	$ 547,588	$ 558,540	$ 569,711
Water Service Connections	$ 148,786	$ 151,762	$ 154,797	$ 157,893	$ 161,051	$ 164,272	$ 167,557
Water Meter Maintenance	$ 12,961	$ 13,220	$ 13,485	$ 13,754	$ 14,029	$ 14,310	$ 14,596
Water Distribution System Maintenance	$ 219,019	$ 223,399	$ 227,867	$ 232,425	$ 237,073	$ 241,815	$ 246,651
Total Water Treatment Plant	$ 527,009	$ 537,549	$ 548,300	$ 559,266	$ 570,451	$ 581,861	$ 593,498
Water Storage Facility	$ 122,199	$ 124,643	$ 127,136	$ 129,679	$ 132,272	$ 134,918	$ 137,616
Total Operating Expenses	$ 1,535,861	$ 1,566,578	$ 1,597,910	$ 1,629,868	$ 1,662,465	$ 1,695,715	$ 1,729,629
Debt Charges							
Debt Charges - Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Amortization Expense							
Water Assets	$ 576,827	$ 598,808	$ 621,228	$ 644,097	$ 667,424	$ 691,217	$ 715,486
Total Expenses	$ 2,112,688	$ 2,165,386	$ 2,219,138	$ 2,273,965	$ 2,329,889	$ 2,386,931	$ 2,445,115
Annual Surplus/(Deficit)	$ 579,297	$ 567,141	$ 563,029	$ 558,735	$ 554,252	$ 549,576	$ 544,700

The annual surplus stays relative flat ranging between $545,000 to $580,000 which provides additional funds for the replacement of assets.

Statement of Cash Flow/Cash Receipts—Water

	2015	2016	2017	2018	2019	2020	2021
Total Revenues	$ 2,691,985	$ 2,732,527	$ 2,782,167	$ 2,832,700	$ 2,884,141	$ 2,936,507	$ 2,989,814
Cash Paid For							
Operating Costs	$ 1,535,861	$ 1,566,578	$ 1,597,910	$ 1,629,868	$ 1,662,465	$ 1,695,715	$ 1,729,629
Debt Repayment - Debt Interest	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cash Provided From Operating Transactions	$ 1,156,124	$ 1,165,949	$ 1,184,257	$ 1,202,832	$ 1,221,676	$ 1,240,793	$ 1,260,185
Capital Transactions							
Acquisition of TCA	$ 1,712,268	$ 1,318,860	$ 1,345,237	$ 1,372,142	$ 1,399,585	$ 1,427,576	$ 1,456,128
Finance Transactions							
Proceeds from Debt Issues							
Debt Repayment - Principal	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Increase/(Decrease) in Cash Equivalents	$ (556,144)	$ (152,911)	$ (160,980)	$ (169,310)	$ (177,909)	$ (186,784)	$ (195,943)
Cash and Cash Equivalents at Beginning Balance	$ 5,436,176	$ 4,880,032	$ 4,727,120	$ 4,566,140	$ 4,396,830	$ 4,218,922	$ 4,032,138
Cash and Cash Equivalents at Ending Balance	$ 4,880,032	$ 4,727,120	$ 4,566,140	$ 4,396,830	$ 4,218,922	$ 4,032,138	$ 3,836,195

The reserve position decreased from $4.8 million in 2015 to $3.8 million in 2021. While there is decline, the water reserve is healthy.

Statement of Financial Position—Water

	2015	2016	2017	2018	2019	2020	2021
Financial Assets							
Cash	$ 4,880,032	$ 4,727,120	$ 4,566,140	$ 4,396,830	$ 4,218,922	$ 4,032,138	$ 3,836,195
Liabilities							
Debt - Principal Outstanding							
Net Financial Assets	$ 4,880,032	$ 4,727,120	$ 4,566,140	$ 4,396,830	$ 4,218,922	$ 4,032,138	$ 3,836,195
Non-Financial Assets							
Tangible Capital Assets	$ 28,589,561	$ 29,309,613	$ 30,033,622	$ 30,761,667	$ 31,493,828	$ 32,230,187	$ 32,970,830
Accumulated Surplus/Deficit	$ 33,469,593	$ 34,036,734	$ 34,599,762	$ 35,158,497	$ 35,712,749	$ 36,262,325	$ 36,807,025
Cash as a % of Net Fixed Assets	17.1%	16.1%	15.2%	14.3%	13.4%	12.5%	11.6%
Debt as a % of Net Fixed Assets	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Accumulated Surplus is comprised of the following:							
Reserves	$ 4,880,032	$ 4,727,120	$ 4,566,140	$ 4,396,830	$ 4,218,922	$ 4,032,138	$ 3,836,195
Investment in Tangible Capital Assets	$ 28,589,561	$ 29,309,613	$ 30,033,622	$ 30,761,667	$ 31,493,828	$ 32,230,187	$ 32,970,830
Debt Outstanding	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	$ 33,469,593	$ 34,036,734	$ 34,599,762	$ 35,158,497	$ 35,712,749	$ 36,262,325	$ 36,807,025

The accumulated surplus increases from $33.5 million to $36.8 million due to an increase in tangible capital assets.

Statement of Financial Operations—Wastewater

	2015	2016	2017	2018	2019	2020	2021
Wastewater Total Revenues							
Rate Revenues	$ 2,359,937	$ 2,431,736	$ 2,506,307	$ 2,585,495	$ 2,672,240	$ 2,762,472	$ 2,856,347
Miscellaneous Revenues	$ 26,500	$ 27,030	$ 27,571	$ 28,122	$ 28,684	$ 29,258	$ 29,843
Interest Revenue	$ 29,574	$ 13,001	$ 9,320	$ 6,737	$ 6,436	$ 6,821	$ 7,955
Total Revenues	$ 2,416,011	$ 2,471,767	$ 2,543,198	$ 2,620,354	$ 2,707,361	$ 2,798,551	$ 2,894,146
Wastewater Total Expenses							
Operating Expenses							
Administration	$ 307,515	$ 313,665	$ 319,939	$ 326,337	$ 332,864	$ 339,521	$ 346,312
Sewer Mains	$ 239,138	$ 243,921	$ 248,799	$ 253,775	$ 258,851	$ 264,028	$ 269,308
Service Connections	$ 115,013	$ 117,313	$ 119,660	$ 122,053	$ 124,494	$ 126,984	$ 129,523
Sewage Treatment Plant	$ 700,725	$ 714,740	$ 729,034	$ 743,615	$ 758,487	$ 773,657	$ 789,130
Total Operating Expenses	$ 1,362,391	$ 1,389,639	$ 1,417,432	$ 1,445,780	$ 1,474,696	$ 1,504,190	$ 1,534,274
Debt Charges							
Debt Charges - Interest Payments	$ 19,291	$ 11,924	$ 4,019	$ -	$ -	$ -	$ -
Amortization Expense							
Wastewater Assets	$ 490,632	$ 509,689	$ 529,127	$ 548,954	$ 569,178	$ 589,806	$ 610,846
Total Expenses	$ 1,872,314	$ 1,911,252	$ 1,950,578	$ 1,994,734	$ 2,043,873	$ 2,093,995	$ 2,145,120
Annual Surplus/(Deficit)	$ 543,697	$ 560,515	$ 592,620	$ 625,620	$ 663,487	$ 704,556	$ 749,026

Currently there is a surplus of $543,700. At the end of the plan (2021), there is a surplus of $749,000 which provides additional funds for the replacement of assets.

Statement of Cash Flow/Cash Receipts—Wastewater

	2015	2016	2017	2018	2019	2020	2021
Total Revenues	$ 2,416,011	$ 2,471,767	$ 2,543,198	$ 2,620,354	$ 2,707,361	$ 2,798,551	$ 2,894,146
Cash Paid For							
Operating Costs	$ 1,362,391	$ 1,389,639	$ 1,417,432	$ 1,445,780	$ 1,474,696	$ 1,504,190	$ 1,534,274
Debt Repayment - Debt Interest	$ 19,291	$ 11,924	$ 4,019	$ -	$ -	$ -	$ -
Cash Provided From Operating Transactions	$ 1,034,329	$ 1,070,204	$ 1,121,747	$ 1,174,574	$ 1,232,665	$ 1,294,361	$ 1,359,872
Capital Transactions							
Acquisition of TCA	$ 1,925,169	$ 1,143,420	$ 1,166,288	$ 1,189,614	$ 1,213,406	$ 1,237,675	$ 1,262,428
Finance Transactions							
Proceeds from Debt Issues							
Proceeds from Grants	$ 165,606	$ -	$ -	$ -	$ -	$ -	$ -
Debt Repayment - Principal	$ (103,444)	$ (110,827)	$ (84,617)	$ -	$ -	$ -	$ -
Increase/(Decrease) in Cash Equivalents	$ (828,678)	$ (184,043)	$ (129,158)	$ (15,040)	$ 19,258	$ 56,687	$ 97,444
Cash and Cash Equivalents at Beginning Balance	$ 1,478,721	$ 650,043	$ 466,001	$ 336,843	$ 321,802	$ 341,061	$ 397,748
Cash and Cash Equivalents at Ending Balance	$ 650,043	$ 466,001	$ 336,843	$ 321,802	$ 341,061	$ 397,748	$ 495,192

By the end of 2015, it is estimated that the reserves will be $650,000. There is an initial reduction in the reserve balance but by 2021, the reserve balance is forecast to increase through a gradual increase in contributions.

Statement of Financial Position—Wastewater

	2015	2016	2017	2018	2019	2020	2021
Financial Assets							
Cash	$ 650,043	$ 466,001	$ 336,843	$ 321,802	$ 341,061	$ 397,748	$ 495,192
Liabilities							
Debt - Principal Outstanding	$ 103,444	$ 110,827	$ 84,617	$ -	$ -	$ -	$ -
Net Financial Assets	$ 546,599	$ 355,174	$ 252,226	$ 321,802	$ 341,061	$ 397,748	$ 495,192
Non-Financial Assets							
Tangible Capital Assets	$ 23,613,132	$ 24,246,863	$ 24,884,024	$ 25,524,684	$ 26,168,913	$ 26,816,782	$ 27,468,364
Accumulated Surplus/Deficit	$ 24,159,731	$ 24,602,037	$ 25,136,250	$ 25,846,486	$ 26,509,973	$ 27,214,529	$ 27,963,555
Cash as a % of Net Fixed Assets	2.8%	1.9%	1.4%	1.3%	1.3%	1.5%	1.8%
Debt as a % of Net Fixed Assets	0.4%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%
Accumulated Surplus is comprised of the following:							
Reserves	$ 650,043	$ 466,001	$ 336,843	$ 321,802	$ 341,061	$ 397,748	$ 495,192
Investment in Tangible Capital Assets	$ 24,159,731	$ 24,246,863	$ 24,884,024	$ 25,524,684	$ 26,168,913	$ 26,816,782	$ 27,468,364
Debt Outstanding	$ (103,444)	$ (110,827)	$ (84,617)	$ -	$ -	$ -	$ -
Total	$ 24,706,331	$ 24,602,037	$ 25,136,250	$ 25,846,486	$ 26,509,973	$ 27,214,529	$ 27,963,555

The accumulated surplus increases from $24.7 million to $28.0 million over the forecast period.

September 11, 2015

Report To: Mayor & Council

From: Operations & Facilities Executive Committee

SUBJECT: BIA Request for Town In-Kind Services to be performed by the O & F Division workforce

Over the years the Town has provided assistance to the Downtown Scott Street BIA (property owners) organization for such items as;

1) Watering hanging flower baskets along Scott Street- 3times per week during the growing season
2) Erection of the Great Canadian Main Street Signs
3) Enhanced Snow Removal Services
4) Empty the garbage containers on a regular basis
5) Enhance Street Sweeping Services

There is no written agreement in place with the Downtown Scott Street BIA. At this time the BIA is requesting the following items to be completed by the Town's workforce;

- **The O & F Division removal of all the dead trees c/w stump and all roots along Scott Street -** Based on my inspection of the trees in the 100, 200 & 300 Blocks of Scott Street there appears only two trees; one in front of Betty's (Chico) and the other in front of the Museum (Black Knot disease). See attached pictures. Based on this request it is estimated that it would take four men two days or more depending if the concrete curb and gutter structure is damaged in removing the main tap root of the tree. Thus based on two days per tree it is estimated it would cost the Town $5624.32 with no concrete work. See attached Spreadsheet No. 1. Also it is my understanding that the trees are owned and installed by the BIA and there is no agreement in place for on-going maintenance of these trees between the Town and the BIA. Also the existing trees as they grow will continue to cause sidewalk surface continuities in the future, where it is my understanding that the Town administration did not want the BIA to plant these trees in the first place.

- **Relocate the Exterior Mural attached to the building at 261 Scott Street to the building at 335 Scott Street.** It is estimated that it would take three men 3 days to complete this work. Also there is a high chance that the Mural might be damaged and some touch up painting might be required from the original artist. See attached pictures. It is estimated it would cost the Town $2485.52 to complete this work. See attached Spreadsheet No. 1 for a breakdown of the costs.

- **Re-set of Sidewalk paving Stones along Scott Street** – Based on my inspection of the 200 & 300 blocks of Scott Street, there are several damaged stones, a lot of surface discontinuities that exceed the two centimeter tolerance (See attached minimum maintenance standard for municipal highways section 16.1- sidewalk surface discontinuities) and several areas where water ponds on top of the stones.

It is my understanding the red stones were originally installed in the mid-1990's and in order to reset these stones the entire north and south side of Scott Street in the 200 & 300 blocks must be lifted. There is approximately 2646 square meters where it will take 4 men approximately 2.5 to 3 months to complete this work. This work will involve retaining a contractor where it is estimated that it will cost $125 per square meter to complete this work or $330,750. This is a labour intensive project with a substantial cost. It is suggested that this project be evaluated during the 2016 budget process. The common practice over the last couple of years in regards to sidewalk surface discontinuities is the engineering department within the O & F division inspects all of the Town's concrete sidewalks where all surface discontinuities exceeding the 20 mm tolerance are marked with highly visible orange paint. In regards to the Scott Street paving stone sidewalks and the waterfront stone sidewalks this practice was not followed as the appearance of orange paint is considered to be a negative appearance to downtown customers & tourists.

See attached two letters dated August 12, 2015 from Shelly Wepruk, secretary of the Downtown Scott Street BIA organization. While the Town wants to ensure the downtown infrastructure is maintained to a high standard and is in a state of good repair, some of the BIA requests should probably be completed by the BIA organization. There is a perception that the Town's workforce is favoring this organization where other business/property owners who don't receive this level of service.

Respectfully submitted,

Doug Brown

Doug Brown, P. Eng.
Operations & Facilities Manager

f/n: 2015BIARequest

Saulteaux
Nataatchewenin
Development
Corporation

Spreadsheet No. 1 - Cost estimate for In-Kind BIA Requests
August 12, 2015- letter

Cost to remove a tree c/w stump and all roots

	# of Units	Hours	Rate	Unit Cost
Large backhoe	1	16	$ 83.53	$ 1,336.48
Tandem Truck	1	16	$ 80.55	$ 1,288.80
1/2 ton truck	1	16	$ 21.56	$ 344.96
Equipment operator	1	16	$ 41.47	$ 663.52
Truck driver	1	16	$ 41.47	$ 663.52
Labourer	2	16	$ 41.47	$ 1,327.04

Total per tree (no concrete curb & gutter being replaced) **$ 5,624.32**

Cost to Relocate Mural from 261 Scott Street to 335 Scott Street

	# of Units	Hours	Rate	Unit Cost
Labourer	3	16	$ 41.47	$ 1,990.56
1/2 ton truck	1	16	$ 21.56	$ 344.96
Miscellaneous Fasteners	LS			$ 150.00

Cost **$ 2,485.52**

THE GREAT CANADIAN
MAIN STREET
For centuries, the Rainy River was the link to travel from eastern Canada to the west. For First Nations people & later explorers, furtraders & the earliest settlers, this was the Great Canadian Main Street.
DESIGNED & PAINTED BY
BK PENNER
SENIOR FAIR

The GREAT CANADIAN
MAIN STREET
For centuries, the Rainy River was the link to travel from eastern Canada to the west.
For First Nations people & later explorers, furtraders & the earliest settlers, this was the Great Canadian Main Street.

O. Reg. 239/02, s. 16, Table.

Sidewalk surface discontinuities

16.1 (1) The minimum standard for the frequency of inspecting sidewalks to check for surface discontinuity is once per calendar year, with each inspection taking place not more than 16 months from the previous inspection. O. Reg. 23/10, s. 10; O. Reg. 47/13, s. 16 (1).

(1.1) A sidewalk that has been inspected in accordance with subsection (1) is deemed to be in a state of repair with respect to any surface discontinuity until the next inspection in accordance with that subsection, provided that the municipality does not acquire actual knowledge of the presence of a surface discontinuity in excess of two centimetres. O. Reg. 47/13, s. 16 (2).

(2) If a surface discontinuity on a sidewalk exceeds two centimetres, the minimum standard is to treat the surface discontinuity within 14 days after acquiring actual knowledge of the fact. O. Reg. 23/10, s. 10; O. Reg. 47/13, s. 16 (3).

(2.1) A surface discontinuity on a sidewalk is deemed to be in a state of repair if it is less than or equal to two centimetres. O. Reg. 47/13, s. 16 (4).

(3) For the purpose of subsection (2), treating a surface discontinuity on a sidewalk means taking reasonable measures to protect users of the sidewalk from the discontinuity, including making permanent or temporary repairs, alerting users' attention to the discontinuity or preventing access to the area of discontinuity. O. Reg. 23/10, s. 10.

(4) In this section,

"surface discontinuity" means a vertical discontinuity creating a step formation at joints or cracks in the surface of the sidewalk. O. Reg. 23/10, s. 10.

REVIEW OF REGULATION

Review

17. (1) The Minister of Transportation shall conduct a review of this Regulation and Ontario Regulation 612/06 (Minimum Maintenance Standards for Highways in the City of Toronto) made under the *City of Toronto Act, 2006* every five years. O. Reg. 613/06, s. 2.

(2) Despite subsection (1), the first review after the completion of the review started before the end of 2007 shall be started five years after the day Ontario Regulation 23/10 is filed. O. Reg. 23/10, s. 11.

18. Omitted (provides for coming into force of provisions of this Regulation). O. Reg. 239/02, s. 18.

Back to top

Downtown Scott Street B.I.A.
335 Scott Street
Fort Frances, Ontario
P9A 1H1
807-274-7502 Phone
807-274-0783 Fax

RECEIVED
AUG 17 2015

12 August, 2015

Town of Fort Frances
320 Portage Avenue
Fort Frances, Ontario

ATTN: Mayor Roy Avis & Council

Dear Sir/Madam

RE: Tree Removal

It has been brought to the attention of the BIA board that a number of the trees that we placed on Scott Street have died.

In order for us to replace the existing dead ones we need the trees, including their roots, to be removed by the Public Works Department as this is not a job we can tackle ourselves.

Therefore, we are requesting that a work order to Mr. Milt Strachan's department be issued advising him of the situation and requesting the work to be put on his department schedule. The sooner the trees are replaced the better chance they stand of establishing themselves before winter.

Thanking you in advance for your attention to these matters, I remain.

Yours

Shelley Wepruk
Secretary

Downtown Scott Street B.I.A.
335 Scott Street
Fort Frances, Ontario
P9A 1H1
807-274-7502 Phone
807-274-0783 Fax

AUG 17 2015
TOWN OF FORT FRANCES

12 August, 2015

Town of Fort Frances
320 Portage Avenue
Fort Frances, Ontario

ATTN: Mayor Roy Avis & Council

Dear Sir/Madam

RE: Relocation of Mural &
Sidewalk Brick Replacements

It has been brought to the attention of the BIA board that a great number of the sidewalk bricks on Scott Street are heaved due to frost and have become a safety issue.

It is our request that the Public Works department re-do those portions of Scott Street that are in need of repairs.

Mr. Guy Donaldson has submitted a request to have the mural that is attached to his building (the former Nirvana building) be removed and relocated. Murray & Shelley Wepruk have indicated that they are more than happy to have it relocated to the west side of their building at 335 Scott Street.

We are therefore requesting that this work be handled by the Public Works Department also.

Should you need a letter of authorization from the Wepruk's stating their approval, please advise and one will be obtained.

Thanking you in advance for your attention to these matters, I remain.

Yours

Shelley Wepruk
Secretary

September 15, 2015

Report To: Mayor & Council

From: Doug Brown, Manager of Operations & Facilities

Subject: Decision on installing a New Columbarium – Riverview Cemetery

Presently the Town has 3 Columbariums; Two at the Riverview Cemetery and the other at the Fort Frances Cemetery. Each columbarium has 112 niches where each niche holds up to 2 urns or a total of 224 urns. See table below outlining pertinent information on each columbarium.

Columbarium	Cemetery	Installation Date	Approximate cost without Foundation	Remaining Niches	Sold Niches
Lady Frances Simpson	Fort Frances	May of 1998	$ 41,554	85	27
Sieur de Lavernedrye	Riverview	May of 1998	$41,554	0	112
JA Mathieu	Riverview	May of 2007	$ 49,418	17	95

The reason for this report at this time is a decision needs to be made in the near future either to install another columbarium at the Riverview Cemetery or limit the supply of niches in order to sell the remaining niches in the Lady Frances Simpson Columbarium at the Fort Frances Cemetery. There is approximately one year supply of niches remaining in the JA Mathieu Columbarium. Sherry George, Museum Curator is investigating and suggesting who will be the next forefather/mother to be carved into the exterior side of the next new Columbarium at the Riverview Cemetery.

As you are fully aware, back in November of 2005, the Town suggested relocating the Lady Frances Simpson columbarium from the Fort Frances Cemetery to the Riverview Cemetery. However some of the owners of niche spaces within the Fort Frances Cemetery columbarium couldn't agree to this suggestion.

Respectfully Submitted
Operations & Facilities Division

Doug Brown

Doug Brown, P. Eng.
Operations and Facilities Manager

Nancy Loutit Calder was born in 1849 in the Lockport, Manitoba area, the mixed blood daughter of Lowe Loutit, a Scot, and Jane McDougall, a Metis woman (Scot & Cree heritage). She married William Calder at Fort Alexander in 1870 and moved with him and their infant son, Peter, to Lac La Pluie. The trip form Fort Garry (near Winnipeg) was undertaken first by the old Dawson stagecoach trail to the Northwest Angle and then by canoe up Rainy River, the only means of travel at that time.

Arriving in Fort Frances in 1871, she found literally nothing. The only building was the Hudson's Bay trading post and the factor's quarters. These buildings were set in a small clearing overlooking the falls (paper mill offices on Third Street West).

The family spent their summers in Fort Frances, but wintered at Eagle Lake, where William collected furs for the Hudson Bay Company. Most of their eleven children were born in the wilderness, often delivered by William and Nancy themselves. Their home in Fort Frances, a log cabin, was situated behind the Wells Hardware Company (McTaggart's) and is still standing – one of the oldest buildings in our community. They later moved to a larger log cabin near what we know as First Street and Victoria Avenue.

Nancy, like her mother-in-law, Maria (Gibson) Calder was a mid-wife and nurse. She brought many children into this world, caring for both babies and their mothers until they were strong enough to resume their arduous duties of pioneer wife and mother. She was also called upon in times of illness during a period when doctors were not readily available. She remained active all her long life, keeping busy with sewing, knitting and making quilts. Well known and revered in the community, she was affectionately referred to in later years as Granny Calder.

Suffering a stroke in her final year, she died on February 14, 1943 at the age of 94.

It should be noted that women of that time worked in equal partnership with their husbands whether it was on the farm or in a business. However it was not the custom to recognize their participation. Someone today looking for an obituary of a grandmother (say Jane Smith), may only find a Mrs John Smith or a Mrs George Smith. Women were rarely accorded a write-up that included their birth name. That Nancy Calder is noted so often in our newspapers speaks to her respect in the community.

On a side note, the Calders are credited with being the second family to arrive in Fort Frances and remaining to make it their home. In truth you could say that they are the fathers and mothers of our community as their descendants and those of their siblings (numbering over 2000) make up a significant portion of the population of Fort Frances and district.

In 1876, William's father James was appointed by the Hudson's Bay Company as interpreter to Kettle Falls. The date of his appointment coincides with his son William's appointment to Eagle Lake. James and Maria and their children, soon followed William and Nancy to this area. Daughter Margaret married William McDonald; daughter Maria married Alexander Briere (Bruyere), brother Robert married Marie Jourdain, daughter Mary Jane married George Constantine Allan.

Herbert Williams - Fur Trader, Business Man and Community Leader

The Fort Frances Times of March 7, 1940 reports that Herb Williams, revered old timer, was laid to rest. "Fort Frances, in his passing, lost one of its most colourful characters, pioneer, fur trader, Hudson's Bay Company post factor, business man, benefactor of many who knew him, a willing and capable civic administrator." It was noted he died in "typically characteristic setting – playing chess".

Herbert Williams was born in Plymouth, Devonshire, England on April 30, 1861. Williams came to Northwestern Ontario in 1882, entering the services of the Hudson's Bay Company under chief factor Donald Matheson. He served in Fort Frances for a brief time in 1885, but returned to make a permanent home with his bride Agnes in 1894, assuming the position of chief factor of the post.

Williams resigned from the Hudson Bay Company in 1896 to start his own business as the H. Williams and Company Limited. The general store sold groceries, hardware, dry goods, house furnishings, boots and shoes. Williams not only sold retail, but also ran a wholesale business, supplying the camps with provisions. One story relates that an order of 150 cases of tomatoes, 2 1/2 tons of pork and some 30 or 40 sacks of sugar was referred to as a small order.

Williams employed a number of people who later rose to prominence in Fort Frances. Ambitious men like Bruce Lloyd, Alfred Watson, William Elliot, Frank Warner, Henry Cruso and Byron Stuart all worked as clerks behind his counter. Williams assisted them and many others by giving them sound advice and, at times, even financial backing for their projects.

Williams continued in business until the 1905 fire that razed his store along with many others. He then retired from the firm re-organizing as Watson and Lloyd. He built the Williams Block on the corner of Front and Church where Watson and Lloyd and the Bank of Commerce operated for a period of time. (Torn down in 1955 to make way for a customs facility.)

Following the 1905 fire, Williams turned his attention to civic matters. In 1906, he was elected to town council, and a year later, became mayor. He proved to be a capable administrator and remained in office until the end of 1910. In 1917-1918 he served as mayor once again.

During William's term in office, Fort Frances experienced a construction boom: the paper mill was built and most of the waterworks for the town was laid. During the sewer project when the town's credit ran out, Williams raised the 20,000 dollars on his own personal note to finish the work.

Williams was also responsible for negotiating the favourable electric power rates from the power company. At the time, dam construction was behind schedule, and Mr. Williams, being a good trader, saw the opportunity of getting something substantial in return for agreeing to an extension of time.

Williams was also an active member in the Granite Lodge.

Dr. David Croal McKenzie was born in 1870 in Durham, Ontario. He came to the Rainy River District in 1897 after graduating from the University of Toronto with a medical degree.

Dr. McKenzie opened a medical centre in Mine Centre — at the time, a bustling mining town.

Shortly after, he moved to Fort Frances where he built the McKenzie Hospital (now an apartment building on Third Street West), the first hospital in the district.

McKenzie played an active role in municipal affairs and was mayor of Fort Frances for a number of terms, totalling six years.

During the First World War, Dr. McKenzie was a colonel of the 98th regiment. Later he organized the 141st Bull Moose Battalion, a forestry battalion that recruited experienced loggers and lumbermen to cut the forests of Britain and France to provide the necessary building materials for the trenches. In 1916, as colonel and commanding officer, he took his battalion overseas.

McKenzie was often referred to as the father of the Canadian Legion in Fort Frances, serving as one of its first officers. He and fellow associates made the club rooms available to the community.

McKenzie supported local athletics, and often lent a hand to various sporting organizations such as football, hockey and baseball. An excellent curler, he held an honourary life membership with the Fort Frances Curling Club.

McKenzie was credited with organizing a town band, and was prominent in Masonic and Shrine circles.

A close friend and college classmate of Prime Minister McKenzie King, Dr. McKenzie was always a strong supporter of the liberals.

Dr. McKenzie passed away on Oct 21, 1939.

September 17, 2015

Report To: Mayor & Council

From: Doug Brown, Manager of Operations & Facilities

SUBJECT: August 2015 Drinking Water Systems Monthly Summary Report

Please find attached the August 2015 Summary Report on the drinking water systems, prepared by Randy White, Senior WTP Operator.

Your Administration recommends that Operations & Facilities Executive Committee accept the August 2015 report as presented.

Respectfully submitted,
Operations & Facilities Division

Doug Brown

Doug Brown, P. Eng.
Manager of Operations & Facilities

Council approval of this report will accept the August 2015 Drinking Water Systems Monthly Summary Report and approve the report prior to it being made available to the general public.

c.c. – Doug Herr, Environmental & Facilities Supt.
Randy White, Senior WTP Operator

03CouncilwaterreportMarch 2015

August, 2015

Monthly Summary Report
Water Systems

Prepared by: Randy White, ORO
Senior Water Treatment Plant Operator

Dated: September 14, 2015

1) **Introduction -**

This report contains the major maintenance activities and operational events that occurred during the month of August 2015 at the Water Treatment Plant - Water Works # 220000978 and the Airport Groundwater Well Water Works # 26002736. This information report has been prepared for Council to better understand how the water systems they own and operate are maintained on a monthly basis. 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.

2) **Flow Data**

Water Treatment Plant: See attached spreadsheet. No flow data for Airport groundwater well.

3) **Microbiological (Health Related) Water Analysis– Main Water System #220000978**

Water Treatment Plant (treated): 5 samples taken no adverse results
Water Treatment Plant (raw): 5 samples taken no adverse results
Water Distribution System: 20 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.

4) **Microbiological (Health Related) Water Analysis– Airport Groundwater Well # 26002736**

No samples taken.

The Airport has signs posted in the men's and women's washroom stating that the water has not been tested or treated for drinking purposes in accordance with the Health Protection and Promotion Act – Section 7 of the Small Drinking Water Systems Regulation, O. Reg. 318/08 (*Amended to Safe Drinking Water Act, 2002 - Section 6 of Ontario Regulation 252/05).* The operators do a visual inspection of the warning notices at a minimum of once per week to ensure that they are legible and comply with Ontario Regulation 318/08, Section 7(5).

5) **Free Available Chlorine Residual (FAC) – Main Water System – #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 # 26002736**

Signs posted, exempt from testing.

7) **Maintenance Activities at the WTP**

August 02nd - calibrated distribution chlorine analyzer.

August 06th - cleaned top and bottom tanks on poly unit.
- cleaned all four (4) check valves on the poly unit.
- greased motors and chains on clarifiers.

August 07th - took Soda Ash feeder apart and cleaned put back on line.

August 15th - calibrated distribution chlorine analyzer.

August 18th - cleaned the plant.

August 19th - worked on distribution chlorine analyzer.

August 26th - annual calibrations completed by Lakeside Controls.

August 27tt - annual calibrations completed by Lakeside Controls.

August 28th - annual calibrations completed by Lakeside Controls.
- cleaned top and bottom tanks on poly unit.
- cleaned all four (4) check valves on the poly unit.

August 29th - worked on low Filter No. 2 effluent valve.

8) **Water Complaints:**

- Poor Pressure – 0 complaints.

- Water quality – 0 complaints.

9) **Other Miscellaneous Information:**

August 04th - routine micro sample collection.
- took D.W.S.P. samples at plant and Tower.
- water main break repair - Fourth St. W. (100 blk.) - bacti water samples – 2nd set.

August 10th - routine micro sample collection.

August 17th - routine micro sample collection.
- hydrant replacement (HYD124) - water samples - Webster Ave. (500 blk.) - 1st set.

August 18th - hydrant replacement (HYD124) - water samples - Webster Ave. (500 blk.) - 2nd set.

August 19th - King's Hwy. reconstruction project - new water main - bacti samples - 1st set.

August 20th - King's Hwy. reconstruction project - new water main - bacti samples - 2nd set.

August 24th - routine micro sample collection.

August 25th - 103 Sixth St. W. - new customer service - bacti sample - 1st set.

August 26th - 103 Sixth St. W. - new customer service - bacti sample – 2nd set.
- 740 Sixth St. W. and 801 Eighth St. W. - customer service repair - bacti sample - 1st set.

August 27th - 740 Sixth St. W. and 801 Eighth St. W. - customer service repair - bacti sample - 2nd set.

August 28th - King's Hwy. reconstruction project - new water main tie-in at Lillie Ave. and Webster Ave. - bacti samples - 1st set.

August 31st - routine micro sample collection.
- King's Hwy. reconstruction project - new water main tie-in at Lillie Ave. and Webster Ave. - bacti samples – 2nd set.
- 740 Sixth St. W. and 801 Eighth St. W. - customer service repair - bacti sample - 1st set.

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:

- Randy White, ORO, Senior WTP Operator: _____ For Randy White.
- Doug Herr, Environmental & Facilities Supt.: _____
- Doug Brown, Manager of Operations & Facilities: _____
- Mark McCaig, CAO: _____
- Rick Wiedenhoeft, Chair O& F Exec Committee: _____
- Roy Avis, Mayor: _____
- Paul Ryan, Councillor: _____
- John Albanese, Councillor: _____
- Andrew Hallikas, Councillor: _____
- Doug Kitowski, Councillor: _____
- Ken Perry, 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 myself or Randy White, Senior WTP Operator at 274-2325.

Monthly Report August 2015

Town of Fort Frances - WTP - 220000978
August 2013/2014 vs. August 2015
Flow and Operating Data

Flow Data August	Units	2013		2014		2015	
		Day of the Month		Day of the Month		Day of the Month	
Total Raw Water	m^3		161980		184830		195880
Raw Maximum Day	m^3	Sunday 25th	5920	Friday 22nd	6860	Tuesday 4th & Sunday 23rd	6620
Raw Minimum Day	m^3	Wednesday 14th	4460	Wednesday 27th	4960	Monday 31st	5370
Raw Avgerage Daily Consumption	m^3		5230		5960		6320
Total Treated Water	m^3		129740		129750		130290
Treated Water Maximim Day Consumption	m^3	Friday 23rd	5130	Thursday 28th	5080	Sunday 16th	5030
Treated Water Minimim Day Consumption	m^3	Sunday 04th	3430	Monday 25th	3480	Sunday 23rd	3510
Treated Water Average Day Consumption	m^3		4190		4190		4200
Daily Average Per Household Consumption Rate	m^3		1.11		1.11		1.11
* Daily Average Per Person Consumption Rate	m^3		0.52		0.52		0.53
Monthly Averages - Operating Parameters WTP:							
FAC Residual - Treated Water	mg/L		1.83		1.78		2.10
Total Chlorine Residual - Treated Water	mg/L		2.15		2.09		2.38
Aluminum Sulphate - Raw Water	mg/L		34.0		36.0		35.0
Aluminum Sulphate - Treated Water Residual	mg/L		0.06		0.06		0.03
Fluoride - Treated Water	mg/L		0.60		0.57		0.56
Soda Ash - Raw Water	mg/L		34.0		36.0		35.0
PH - Adjusted	mg/L		7.11		7.29		7.20
Temperature	C		20.0		22.3		20.1
Quantity of Chemical Used:	kg						
Aluminum Sulphate	kg		5507.3		6653.9		6855.8
Polyelectrolyte	kg		87.5		75.0		62.5
Chlorine Gas	kg		716		933		947
Soda Ash - Used for PH Adjustment	kg		5507.3		6653.9		6855.8
Fluoride	kg		458		441		600

* The Canadian Average is 450 Litres (0.45 m^3) per day.
* Population is 7986
* Number of Households is 3783

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	10^3 M^3	17	6.38	6.53	6.47	6.62	6.52	6.54	6.53	6.45	6.40	6.40	6.56	6.55	6.54	6.54	6.51	6.52	6.47	6.49	6.49	6.49	6.49	6.48	6.62	6.21	6.46	5.68	5.61	5.63	5.67	5.66	5.37	195.88	6.32
Peak Instantaneous - Raw Water	L/s	n/a	76.23	76.52	76.19	76.32	76.17	76.26	76.33	76.37	76.44	76.80	76.77	76.54	76.74	76.87	76.38	76.36	75.84	75.66	75.88	76.02	75.81	75.70	75.64	75.17	75.15	74.96	65.32	76.53	65.32	65.46	65.29	2317.04	74.74
Treated Water	10^3 M^3	17	4.48	4.65	3.87	4.09	4.23	4.53	4.05	3.74	3.75	3.83	4.56	4.53	4.53	4.52	4.65	5.03	4.46	4.58	4.50	3.81	3.91	3.96	3.51	3.69	4.03	3.89	4.30	4.70	3.98	3.95	3.98	130.29	4.20
Peak Instantaneous - Treated Water	L/s	n/a	80.08	97.26	86.98	81.32	73.28	83.57	75.08	76.57	72.01	72.72	72.68	73.95	73.13	74.77	73.78	76.48	75.20	74.48	73.47	72.50	72.95	73.14	72.65	71.94	73.87	72.38	81.43	76.18	75.58	73.43	72.95	2355.81	75.99
BackWash Water	10^3 M^3	n/a	0.155	0.245	0.260		0.468	0.219	0.256	0.238		0.257	0.226	0.257	0.619	0.486	0.468	0.238	0.220	0.478	0.218	0.291	0.237	0.215	0.249	0.242	0.218	0.249	0.246	0.221	0.253	0.218	0.255	8.202	0.283
Fluoride Information																																			
Fluoride Residual - Treated Water	mg/l	0.5 to 0.8	0.56	0.54	0.56	0.51	0.54	0.56	0.55	0.56	0.54	0.51	0.61	0.64	0.58	0.57	0.63	0.57	0.55	0.64	0.58	0.59	0.54	0.55	0.54	0.56	0.57	0.54	0.56	0.54	0.55	0.57	0.53	17.44	0.56
Turbidity Information																																			
Raw Water	NTU	n/a	1.38	1.41	1.40	1.45	1.17	1.23	1.17	1.19	1.16	0.96	0.97	0.98	0.95	0.95	0.94	0.96	1.13	1.05	1.15	1.31	1.25	1.17	1.20	1.16	1.45	1.41	1.37	1.45	1.51	1.47	1.48	37.83	1.22
Settled Water	NTU	n/a	0.11	0.09	0.08	0.09	0.14	0.20	0.14	0.11	0.11	0.13	0.14	0.15	0.23	0.13	0.18	0.14	0.10	0.12	0.19	0.12	0.13	0.11	0.11	0.09	0.12	0.11	0.12	0.12	0.15	0.11	0.09	3.96	0.13
Treated Water	NTU	1	0.04	0.03	0.03	0.04	0.05	0.03	0.07	0.09	0.08	0.07	0.09	0.10	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.06	0.06	0.04	0.07	0.06	0.05	0.09	0.09	0.06	0.08	2.06	0.07
Other Operating Parameters																																			
pH - Treated Water	no units	6.5 to 8.5	7.14	7.13	7.26	7.09	7.25	7.29	7.05	7.12	7.15	7.17	7.11	7.28	7.29	7.21	7.19	7.21	7.26	7.27	7.32	7.30	7.25	7.19	7.15	7.22	7.23	7.22	7.17	7.25	7.17	7.12	7.25	223.31	7.20
pH - Settled water	no units	n/a	6.01	6.06	5.99	6.24	6.21	6.15	6.06	6.10	6.01	6.20	6.19	6.19	6.10	6.08	6.22	6.27	6.12	6.08	6.31	6.24	6.30	6.27	6.20	6.11	6.15	6.19	6.15	6.20	6.17	6.21	6.22	191.00	6.16
pH - Raw Water	no units	n/a	6.99	6.94	6.97	6.98	7.01	6.95	7.15	7.13	7.19	6.98	6.99	6.95	7.03	6.98	6.96	6.95	6.95	6.86	6.99	7.02	7.00	7.05	7.15	7.16	7.12	7.10	7.19	7.10	7.03	7.10	7.09	218.06	7.03
FAC - Treated Water	mg/l	0.2 to 4	2.15	2.20	2.15	2.20	2.26	2.05	2.11	1.99	1.86	2.06	2.17	2.16	2.32	2.14	2.10	2.09	2.10	2.11	2.24	2.06	1.96	2.00	2.20	2.06	1.85	2.10	1.98	1.99	1.91	2.32	2.20	65.09	2.10
Total Chlorine Residual Treated	mg/l	0.3 to 7	2.44	2.48	2.44	2.50	2.48	2.54	2.34	2.17	2.15	2.34	2.42	2.52	2.60	2.46	2.52	2.50	2.42	2.42	2.38	2.38	2.20	2.25	2.47	2.37	2.15	2.25	2.19	2.20	2.17	2.60	2.52	73.87	2.38
Temperature	C	15	21.0	21.0	21.0	21.0	20.0	21.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21.0	22.0	21.0	21.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	623.0	20.1
Fluoride used (Total Daily Consumption)	kg	n/a	21.0	19.0	19.0	20.0	20.0	19.0	19.0	21.0	18.0	19.0	19.0	21.0	22.0	21.0	22.0	21.0	22.0	21.0	20.0	20.0	20.0	20.0	21.0	19.0	20.0	16.0	17.0	16.0	16.0	16.0	15.0	600.0	19.4
Chlorine used (Total Daily Consumption)	kg	n/a	30.0	33.0	32.0	33.0	32.0	31.0	31.0	34.0	31.0	31.0	32.0	32.0	32.0	32.0	31.0	32.0	32.0	32.0	31.0	32.0	31.0	31.0	32.0	28.0	30.0	27.0	27.0	26.0	27.0	26.0	26.0	947.0	30.5
Soda ash (Total Daily Consumption)	kg	n/a	223.3	228.6	226.5	231.7	228.2	228.9	228.6	225.8	224.0	224.0	229.6	229.3	228.9	228.9	227.9	228.2	226.5	227.2	227.2	227.2	227.2	226.8	231.7	217.4	226.1	198.8	196.4	197.1	198.5	198.1	188.0	6855.8	221.2
Soda Ash - Dosage	mg/l	n/a	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	1085.0	35.0
Alum residual - (Total Daily Consumption)	kg	n/a	223.3	228.6	226.5	231.7	228.2	228.9	228.6	225.8	224.0	224.0	229.6	229.3	228.9	228.9	227.9	228.2	226.5	227.2	227.2	227.2	227.2	226.8	231.7	217.4	226.1	198.8	196.4	197.1	198.5	198.1	188.0	6855.8	221.2
Alum residual - Dosage	mg/l	n/a	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	1085.0	35.0
Alum residual - Treated Water	mg/l	0.1	0.04	0.04	0.02	0.04	0.02	0.04	0.04	0.04	0.03	0.05	0.02	0.02	0.02	0.03	0.04	0.02	0.01	0.04	0.02	0.02	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.02	0.04	0.02	0.04	0.98	0.03
Poly bags added (25 kg bags)	kg							0.5						0.5		0.5										0.5				0.5				62.5	

OPERATIONS AND FACILITIES DIVISION - PUBLIC WORKS AREA
OPERATIONS STATISTICS
June 2015

STAFFING

The following table is a breakdown of lost man shifts during the month:

	2014	2015
WSIB	0.00	0.00
WI/LTD	0.00	0.00
SICK DAYS	8.50	7.50
COMPASSIONATE LEAVE	0.00	0.00
FLOATERS	1.00	1.00
VACATION	29.00	38.00
BANKED TIME USED	9.13	7.88
OFF	4.31	2.75
STATUTORY HOLIDAYS	0.00	0.00
TOTAL	**51.94**	**57.13**

OVERTIME HOURS

Equivalent Straight Time Hours:

	2014 June	2015 June	2014 Year To Date	2015 Year To Date
TRAFFIC	0.00	4.00	0.00	29.00
FLOODING	1124.75	246.75	1124.75	294.75
BUILDING/YARDS	0.00	4.00	4.50	4.00
INTERDEPARTMENTAL	0.00	1.50	4.50	15.00
PRIVATE WORK	0.00	0.00	23.50	79.75
RECYCLE/GARBAGE	3.75	4.50	3.75	8.25
ROADS	3.00	0.75	600.50	202.25
SEWER COLLECTION	74.50	6.00	586.38	348.25
SIDEWALKS	0.00	0.00	45.00	18.75
STORES	0.00	0.00	39.00	24.00
VEHICLE & EQUIPMENT	1.50	0.00	79.00	27.00
WATER TREATMENT PLANT	22.00	28.50	185.88	223.00
WATER DISTRIBUTION	134.00	18.50	2674.75	216.00
WATER TOWER	0.00	0.00	0.75	8.00
TOTAL	**166.25**	**314.50**	**5372.25**	**1498.00**

TRANSPORTATION REPORT
JUNE 2015

ROADS:

Storm Water Management – Urban:

- Continued flushing storm sewer laterals and cleaning catch basin sumps with the high pressure/vacuum truck.

Storm Water Management - Rural:

- Removed beaver dams along Balsam Street to behind Caul's field as required.

Hard Top Maintenance:

- Levelled utility cuts – twice weekly
- Pothole patching as required
- Initial sweep of all roads in Town was completed on Friday June 12.
- Street sweeping daily, Downtown area and Front Street done once weekly.

Loose Top Maintenance:

- Graded all loose top roads twice.
- Continued grading lanes as required.
- Northwest Road Management applied magnesium chloride dust suppression to all loose top roads and Public Works parking lot on June 12.

Roadside Maintenance:

- Pressure washed graffiti in several areas of Town.
- Cut grass at dead ends and CN crossings.

Winter Control:

Traffic Operations:

- Repaired and replaced signs as required.
- Painted crosswalk, stop bars and no parking areas.
- Put out sign for Border Traffic on weekends to help guide the public through the detour on Kings Highway.

Regular Maintenance:

- Garbage pickup - Tuesday and Friday - Downtown and Public Works Shop
- Assisted Engineering with locates and CCTV inspections.
- Assisted with tasks at Civic Centre as required.
- Maintenance checks at the Civic Centre as required
- Repaired deficiencies found in Routine Road Patrols

Buildings and Grounds:

- Cleaned Shop as required
- Cleaned vehicles and equipment as required
- Prepared site for sand/salt shed.
- Stockpiled Granular "A" material on June 2.
- Cut grass at Public Works building and yards as required.

Private Work:

- Installed a culvert for a private crossing at 1316 Sixth Street East.

Sidewalks – Winter:

Sidewalks – Summer:

Vehicles and Equipment:

- Preventive Maintenance - pre-trip inspections 5:30 -7:30 a.m. Monday to Friday
- Regular scheduled maintenance of all vehicles and equipment
- Maintenance and repairs, Fire Department, Water Treatment Plant, Memorial Sportsplex, Day Care, Handi-Van and Civic Centre vehicles as required.

Public Relations:

- Delivered barricades and no parking signs to McIrvine Road and Frog Creek Road for Snow Birds Airshow on June 9.
- Put out planters for flowers on islands on June 16.
- Put up barricades and signs to block out traffic for the Dragon Boat Festival on June 26.
- Delivered 2 loads of sand, barricades and bobcat for July 1st Fireworks.
- Supplied barricades for Mall Days on June 29.
- Provided barricades for the Show and Shine on June 12.

Sewer and Water:

- Provided labour and equipment for Water Distribution and Sewer Collection repairs and maintenance.
- Handed out “Water Turn Off Advisories”, “Drinking Water Advisories” and “Lifting of Drinking Water Advisories” when required
- Issued “Delinquent Account Notices” and turned off water for non-compliance as required.

Interdepartmental:

- Cleaned up “black dirt” at Point Park from retaining wall repairs on June 30.
- Supplied truck and drivers as well as the Hyundai backhoe and Operator for repairs to the Point Park retaining wall (flood repairs).
- Dale Gill provided coverage for vacation, etc. at the Airport from June 15 to June 30.

Recycling:

- Emptied glass recycling bin as required
- Pushed up piles in recycling building as required
- Loaded recycling trailer three (3) times.
- Emptied bins from “drop off” centre as required
- Installed concrete pads for new Recycling Compactors
- Clean up debris from recycling yard.

Training:

Health & Safety:

- Had a Tailgate Meeting in the Public Works shop on June 10th
- A workplace Inspection was done in the Public Works building on June 17th.

Emergency Flooding:

- Repaired shoreline wash out at Williams and Front Street at the Marina.
- Repaired storm sewer break at Butler Avenue and Front Street.
- Repaired storm sewer break at Third Street West and Flinders Avenue.

Milt Strachan,
Superintendent of Transportation

OPERATIONS AND FACILITIES DIVISION - PUBLIC WORKS AREA
OPERATIONS STATISTICS
July 2015

STAFFING

The following table is a breakdown of lost man shifts during the month:

	2014	2015
WSIB	0.00	0.00
WI/LTD	9.00	0.00
SICK DAYS	3.69	8.88
COMPASSIONATE LEAVE	0.00	5.00
FLOATERS	7.50	1.00
VACATION	105.00	98.00
BANKED TIME USED	5.50	8.50
OFF	3.00	7.63
STATUTORY HOLIDAYS	28.00	27.00
TOTAL	**161.69**	**156.01**

OVERTIME HOURS

Equivalent Straight Time Hours:

	2014 July	2015 July	2014 Year To Date	2015 Year To Date
ADMINISTRATION	0.00	16.00	0.00	45.00
FLOODING	37.50	0.00	1162.25	294.75
BUILDING/YARDS	0.75	0.00	5.25	4.00
INTERDEPARTMENTAL	9.00	1.50	13.50	16.50
PRIVATE WORK	0.00	0.00	23.50	79.75
RECYCLE/GARBAGE	2.25	0.75	6.00	9.00
ROADS	8.00	0.00	608.50	202.25
SEWER COLLECTION	26.00	30.00	612.38	378.25
SIDEWALKS	3.75	0.00	48.75	18.75
STORES	0.00	0.00	39.00	24.00
VEHICLE & EQUIPMENT	0.00	0.00	79.00	27.00
WATER TREATMENT PLANT	34.00	100.00	219.88	323.00
WATER DISTRIBUTION	17.50	98.00	2692.25	314.00
WATER TOWER	0.00	0.00	0.75	8.00
TOTAL	**431.50**	**246.25**	**5511.00**	**1744.25**

TRANSPORTATION REPORT
JULY 2015

ROADS:

Storm Water Management – Urban:

- Continued flushing storm sewer laterals and cleaning catch basin sumps with the high pressure/vacuum truck.
- Repaired storm sewer manhole at Third Street West and Cornwall Avenue.

Storm Water Management - Rural:

- Removed beaver dams along Balsam Street to behind Caul's field as required.

Hard Top Maintenance:

- Levelled utility cuts – twice weekly
- Pothole patching as required
- Street sweeping daily – Downtown area and Front Street done once weekly.
- Repaired curb and cutter in areas identified for repairs.

Loose Top Maintenance:

- Graded all loose top roads twice.
- Continued grading lanes as required.

Roadside Maintenance:

- Cut grass at deadends and CN crossings
- Cut grass around all poles on Fifth Street West.
- Cleaned up branches blown down in high winds on July 23rd.

Winter Control:

Traffic Operations:

- Repaired and replaced signs as required.
- Painted crosswalks, stop bars and no parking spaces.
- Put out signs for Border Traffic on weekends to help guide the public through the detour on King's Highway

Regular Maintenance:

- Garbage pickup - Tuesday and Friday - Downtown and Public Works Shop
- Assisted Engineering with locates and CCTV inspections.
- Assisted with tasks at Civic Centre as required.
- Maintenance checks at the Civic Centre as required
- Repaired deficiencies found in Routine Road Patrols

Buildings and Grounds:

- Cleaned Shop as required
- Cleaned vehicles and equipment as required.
- Cut grass at Public Works building and yards as required.
- Continue preparing the base for sand/salt shed.
- Dug trenches to install underground power wire to sand/salt shed on July 23rd.
- Pushed off piles and levelled snow dump area on McIrvine Road.

Private Work:

- Installed a private crossing at 22 Armstrong Place.

Sidewalks – Winter:

Sidewalks – Summer:

- Swept sidewalk and bike path along waterfront twice.
- Repaired sidewalk in areas identified for repairs.

Vehicles and Equipment:

- Preventive Maintenance - pre-trip inspections 5:30 -7:30 a.m. Monday to Friday
- Regular scheduled maintenance of all vehicles and equipment
- Maintenance and repairs, Fire Department, Water Treatment Plant, Memorial Sportsplex, Day Care, Handi-Van and Civic Centre vehicles as required.

Public Relations:

- Picked up barricades, levelled sand piles and returned bobcat from July 1st fireworks.
- Picked up barricades from Mall Days
- Put up signs for Bass Tournament Detour.
- Cleaned and installed pegs for the big tent on Front Street for the Bass Tournament and Harmony of Nations.
- Set up tent for Bass Tournament and Harmony of Nations on July 13th and 14th.
- Delivered barricades for Boat Show and Shine on July 22nd.

- Helped take down tend from Bass Tournament on July 27.
- Removed signs for detour for Bass Tournament on July 27th and 28th.
- Swept Bass Tournament area at the Marina parking lot on July 29th.

Sewer and Water:

- Provided labour and equipment for Water Distribution and Sewer Collection repairs and maintenance.
- Handed out "Water Turn Off Advisories", "Drinking Water Advisories" and "Lifting of Drinking Water Advisories" when required
- Issued "Delinquent Account Notices" and turned off water for non-compliance as required.
- Replaced a private crossing at 515 nelson Street that was removed during a water service repair.

Interdepartmental:

- Removed graffiti from Lion's Park and McIrvine Park with high pressure steamer on July 21st.
- Painted white lines in the Memorial SportsCentre Parking Lot on July 23rd.
- Prepared the base for the new Animal Shelter on July 30 and 31.
- Swept Memorial Sports Centre parking lots and surrounding area July 30th.
- Dale Gill provided coverage for vacation at the Airport from July 2nd to July 24th.

Recycling:

- Emptied glass recycling bin as required
- Pushed up piles in recycling building as required
- Loaded recycling trailer two (2) times.
- Emptied bins from "drop off" centre as required
- Cleaned up recycling yard as required.

Training:

Health & Safety:

- A workplace inspection was done at the Public Works building on July 22nd.
- A workplace inspection was done at the Water Treatment Plant on July 23rd.

Milt Strachan,
Superintendent of Transportation

Aircraft Landings 2015

As of August 31, 2015 Statistics - Page 1/2

	Bearskin Flights			Bearskin- Passengers			Government			Private			Med-I-vacs			International			Commercial			Totals			Variance
Month	**2015**	**2014**	**2013**	**2015**	**2014**	**2013**	**2015**	**2014**	**2013**	**2015**	**2014**	**2013**	**2015**	**2014**	**2013**	**2015**	**2014**	**2013**	**2015**	**2014**	**2013**	**2015**	**2014**	**2013**	**2015-2014**
January	**76**	**79**	**79**	256	311	306	6	0	**0**	6	5	**11**	43	41	**33**	4	2	**2**	42	67	**40**	177	194	**165**	-17
February	**67**	**74**	**75**	241	308	370	2	0	**7**	7	5	**16**	36	22	**49**	3	5	**2**	40	50	**46**	155	156	**195**	-1
March	**78**	**82**	**87**	341	346	435	5	3	**6**	30	10	**13**	36	40	**40**	5	0	**7**	38	52	**47**	192	187	**200**	5
1/4 Total	**221**	**235**	**241**	**838**	**965**	**1111**	**13**	**3**	**13**	**43**	**20**	**40**	**115**	**103**	**122**	**12**	**7**	**11**	**120**	**169**	**133**	**524**	**537**	**560**	-13
April	**81**	**74**	**83**	330	276	448	1	2	**1**	23	18	**26**	41	22	**34**	2	1	**4**	53	47	**49**	201	164	**197**	37
May	**82**	**81**	**89**	365	308	408	1	6	**7**	28	24	**45**	37	23	**43**	34	30	**25**	77	76	**71**	259	240	**280**	19
June	**80**	**77**	**86**	322	292	400	11	7	**4**	36	37	**66**	31	35	**27**	74	89	**75**	96	69	**49**	328	314	**307**	14
1/2 Total	**464**	**467**	**499**	**1855**	**1841**	**2367**	**26**	**18**	**25**	**130**	**99**	**177**	**224**	**183**	**226**	**122**	**127**	**115**	**346**	**361**	**302**	**1312**	**1255**	**1344**	57
July	**81**	**75**	**87**	297	230	378	8	7	**6**	40	35	**52**	35	18	**37**	83	59	**79**	77	59	**55**	324	253	**316**	71
August	**79**	**71**	**88**	297	241	390	4	3	**1**	39	37	**74**	31	26	**24**	73	65	**67**	87	57	**68**	313	259	**322**	54
September		**73**	**78**		254	432		1	**5**		22	**43**		37	**41**		32	**44**		65	**42**	0	230	**253**	-230
3/4 Total	**624**	**686**	**752**	**2449**	**2566**	**3567**	**38**	**29**	**37**	**209**	**193**	**346**	**290**	**264**	**328**	**278**	**283**	**305**	**510**	**542**	**467**	**1949**	**1997**	**2235**	-48
October		**76**	**92**		309	398		3	**0**		24	**28**		42	**35**		12	**12**		51	**57**	0	208	**224**	-208
November		**80**	**85**		286	309		3	**3**		8	**7**		28	**32**		3	**6**		39	**39**	0	161	**172**	-161
December		**52**	**69**		203	216		0	**0**		4	**2**		25	**26**		1	**0**		29	**34**	0	111	**131**	-111
Total	**624**	**894**	**998**	**2449**	**3364**	**4490**	**38**	**35**	**40**	**209**	**229**	**383**	**290**	**359**	**421**	**278**	**299**	**323**	**510**	**661**	**597**	**1949**	**2477**	**2762**	-528

Fort Frances Airport- Page 2/2 - Fuel Sales - As of August 31, 2015

Fuel Sales Recap - 2015									2014	2013	2012	2011	2010	2009	2008	2007	8 year	Variance 2015-2014
	100LL		Jet Trk		Jet Cab		Month	Year	per	per	per	per	per	per	per	per	Average	per month
Month	Liters	Total	Liters	Total	Liters	Total	Total	Total	month	month	month	month	month	month	month	month	2014 to 2007	month
January	764	764	7,427	7,427	501	501	8,692	8,692	11,543	7,216	10,252	7,308	10,971	15,989	29,926	16,283	13,686	-2,851
February	1,291	2,055	9,940	17,367	0	501	11,231	19,923	12,304	6,197	6,918	3,687	5,782	13,135	21,134	11,782	10,117	-1,073
March	760	2,815	17,035	34,402	0	501	17,795	37,718	10,508	12,077	9,329	10,390	15,539	9,612	27,435	19,969	14,357	7,287
April	1,123	3,938	12,096	46,498	0	501	13,219	50,937	8,377	4,453	8,251	5,294	24,825	10,676	22,466	28,609	14,119	4,842
May	1,639	5,577	14,222	60,720	300	801	16,161	67,098	29,753	18,350	21,891	19,790	25,375	24,033	30,287	47,258	27,092	-13,592
June	5,944	11,521	39,183	99,903	571	1,372	45,698	112,796	30,789	22,786	23,537	25,723	27,768	22,395	35,995	40,736	28,716	14,909
July	3,888	15,409	24,262	124,165	0	1,372	28,150	140,946	14,441	19,232	32,650	19,124	30,455	24,925	33,390	44,875	27,387	13,709
August	7,793	23,202	28,845	153,010	0	1,372	36,638	177,584	20,450	20,075	30,783	21,467	33,139	28,250	40,177	41,630	29,496	16,188
September		23,202		153,010	0	1,372	0	177,584	21,837	18,005	19,431	22,511	23,363	18,937	28,822	30,341	22,906	-21,837
October		23,202		153,010	0	1,372	0	177,584	15,472	13,109	11,325	13,677	15,033	21,304	16,631	28,020	16,821	-15,472
November		23,202		153,010	0	1,372	0	177,584	7,238	6,398	8,170	6,785	17,747	10,754	16,951	16,842	11,361	-7,238
December		23,202		153,010		1,372	0	177,584		2,028	8,179	2,446	7,641	7,596	13,083	14,733	6,963	0
Total	23,202		153,010		1,372		177,584		182,712	149,926	190,716	158,202	237,638	207,606	316,297	341,078	228,780	-5,387

177,584

Lowest month in last 7 years
Highest month in last 7 years
Highest month
lowest month

	Medi-Vac Camera Report Sheet 2015					
	DATE	Aircraft Ident	Aircraft type	Arrive Time	Remarks	FEES
1	July 30, 2015	AB258	PC12	23:44PM	PAID	$ 234.19
2	05-Aug-15	LIF	AG139	12:50AM	PAID	$ 234.19
3	08-Aug-15	ORNGE	PC12	0:00AM	PAID	$ 234.19
4	Aug 13/2015	SKYCARE/GCPX	SW4	4:56AM	PAID	$ 234.19
5	Aug 14,2015	ORNGE	PC12	2:01AM	PAID	$ 234.19
6	Aug 14,2015	AIR BRAVO/FPCN	PC12	22:38PM	PAID	$ 234.19
7	Aug 16,2015	ORNGE	PC12	1:18AM	PAID	$ 234.19
8	18-Aug-15	ORNGE	PC12	12:32AM	PAID	$ 234.19
9	31-Aug-15	ORNGE	PC12	12:23AM	PAID	$ 234.19
10	05-Sep-15	AIR BRAVO/FXAB	PC12	19:56PM	NOT PAID/ LANDED FOR WX	$ -
11	08-Sep-15	SKYCARE/GCPX	SW4	5:05AM	PAID	$ 234.19
	TOTALS					$2,341.90

2015- tonnage at landfill site- up-dated September 1st, 2015

MONTH	Residential Waste tonnes	Res %	ICI Waste tonnes	ICI %	Non Community Waste tonnes	Non Com %	Covering Material tonnes	2014 Total Tonne	Average last 8 years Total Tonne	2015 Total Tonne	2014 Total Fees	Average last 8 years Fees 2007 to 2014	2015 Fees	2015-2014 Tonnes	2015-2014 Fees
JAN	147.69	39.65	214.43	57.57	10.33	2.77	83.64	376.54	358.23	372.45	$18,990.70	$19,078.66	$22,076.55	-4.09	$2,997.89
FEB	110.32	34.07	205.79	63.55	7.71	2.38	10.29	331.57	303.57	323.82	$17,730.70	$16,650.51	$17,311.55	-7.75	$661.04
MAR	171.11	38.30	267.42	59.85	8.28	1.85	0.00	347.04	409.34	446.81	$18,869.70	$23,107.28	$25,940.55	99.77	$2,833.27
APRIL	248.22	40.76	346.16	56.84	14.64	2.40	3.24	500.42	569.78	609.02	$28,891.30	$32,908.43	$36,933.10	108.60	$4,024.67
MAY	306.17	39.10	466.65	59.59	10.22	1.31	81.19	756.65	721.08	783.04	$42,047.80	$41,342.77	$40,474.95	26.39	-$867.82
JUNE	291.38	42.19	389.21	56.35	10.10	1.46	1875.39	725.30	816.36	690.69	$44,815.30	$42,253.75	$43,913.10	-34.61	$1,659.35
JULY	305.88	46.72	336.03	51.32	12.81	1.96	1764.87	661.29	683.08	654.72	$37,863.20	$40,976.57	$43,552.25	-6.57	$2,575.68
AUG	273.25	42.51	357.18	55.57	12.38	1.93	943.69	547.91	628.81	642.81	$32,880.80	$37,269.88	$39,041.90	94.90	$1,772.02
SEPT		#DIV/0!		#DIV/0!		#DIV/0!		697.87	637.62	0.00	$38,838.70	$36,887.25			
OCT		#DIV/0!		#DIV/0!		#DIV/0!		648.58	641.16	0.00	$38,154.80	$37,889.98			
NOV		#DIV/0!		#DIV/0!		#DIV/0!		558.35	558.58	0.00	$29,302.30	$31,434.38			
DEC		#DIV/0!		#DIV/0!		#DIV/0!		449.26	386.07	0.00	$24,963.10	$23,643.32			
Average per monthly	231.75	37.34	322.86	60.32	10.81	#DIV/0!	595.29	550.07	559.47	376.95	$31,112.37	$31,953.56	$33,655.49		
Total	1854.02		2582.87		86.47		4762.31			4523.36	$373,348.40	$383,442.77	$269,243.95	276.64	$15,656.11
												Actual	$269,243.95		
Town of Fort Frances Tonnage	4436.89											Budget	$370,684.00		
Total Tonnage	4523.36											Forecasted	$403,865.93		
Residential Tonnage	1854.02	40.99%										Difference	$33,181.93		
ICI Tonnage	2582.87	57.10%													
Coverage material	4762.31														

2015 Total Sewage STP cu. meters monthly	2015 daily Sewage STP cu. meters daily	2015 Couch. Wastewate Meters cu. meters monthly	2015 Couch. Wastewate Meters cu. meters daily	2015 Couch. Wastewate %	2014 Total Sewage STP cu. meters monthly	2014 daily Sewage STP cu. meters daily	2015 Total Treated WTP cu. meters monthly	2015 daily Treated WTP cu. meters daily	2015 Couch. 2 Water Meters cu. meters monthly	2015 Couch. 2 Water Meters cu. meters daily	2015 Couch. Water %	2014 Total Treated WTP cu. meters monthly	2014 daily Treated WTP cu. meters daily	2015-2014 Diff Treated WTP	20 W
161362	5205			0.00%	156785	5058	121570	3922	8879	286	7.30%	129390	4174	-7820	
140237	5008			0.00%	157644	5630	107690	3846	8879	317	8.25%	124530	4448	-16840	
173865	5609			0.00%	251682	8119	126450	4079	8217	265	6.50%	226450	7305	-100000	
168865	5629			0.00%	327830	10928	112830	3761	8217	274	7.28%	173600	5787	-60770	-
242869	7834			0.00%	336530	10856	120100	3874	8699	281	7.24%	142970	4612	-22870	
218773	7292			0.00%	440501	14683	116430	3881	8699	290	7.47%	123240	4108	-6810	-
179969	5805	8679.5	279.98	4.82%	280055	9034	134840	4350	11680	377	8.66%	129810	4187	5030	-
183529	5920	8579	276.74	4.67%	189059	6099	129900	4190	11680	377	8.99%	129750	4185	150	
	0				170064	5669		0				106940	3565		
	0				170767	5509		0				103610	3342		
	0				153900	5130		0				100380	3346		
	0				156123	5036		0				110550	3566		
1469469					2790940	7646	969810	31903	74950			1601220		-209930	-
	6037.97					7645.81		3901.93					4385.40		