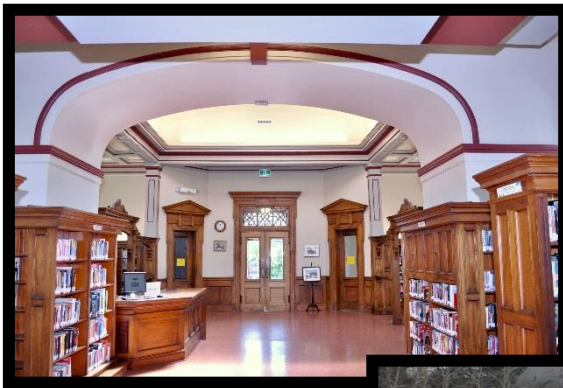


**Canada – New Brunswick
Administrative Agreement on the Federal Gas Tax Fund
(2014-2024)**

**New Brunswick Gas Tax Fund Outcomes Report
(2014-2017)**



Prepared by:
Department of Environment and Local Government

April 2018

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Acronyms and Definitions

The following list of acronyms, abbreviations and definitions will assist the reader in fully understanding the content.

Acronyms and Abbreviations:

CIP	Capital Investment Plan
GHG	greenhouse gas
GTF	Gas Tax Fund
K	thousand
km	kilometre
kWh	kilowatt hour
m	meter
M	million

Definitions:

Agreement	Canada – New Brunswick Administrative Agreement on the Federal Gas Tax Fund 2014-2024
Canada	Government of Canada
Department	New Brunswick Department of Environment and Local Government
Incorporated Area(s)	Means one or more municipality, rural community, regional municipality and any other public authority responsible for delivering local services in New Brunswick, if that authority has been given the said responsibility by statute.
Incrementality	Refers to the intent by which New Brunswick ensures that annual capital infrastructure investments equal or exceed the INFC approved Municipal Base Amount average of \$46.5 M as well as the Provincial Base Amount of \$11.2 M.
NB Communities	New Brunswick Communities is inclusive, referring to municipalities, rural communities, regional municipalities and unincorporated areas.
NB GTF database	New Brunswick Gas Tax Fund database, a database developed by the Department to track NB GTF projects
NB PMF	New Brunswick Performance Measurement Framework
Province	Province of New Brunswick
Report	New Brunswick Outcomes Report

Reporting Period	Results are reported for those GTF projects completed in: <ul style="list-style-type: none"> • Incorporated Areas during the period April 1, 2014 to December 31, 2016 (end of municipal fiscal year); and • Unincorporated Areas during the period April 1, 2014 to March 31, 2017 (end of the provincial fiscal year).
Total Project Cost	Includes all sources of funding during the Reporting Period.
Unincorporated Area(s)	Means an area or areas outside the territorial limits of a municipality, a rural community or a regional municipality, which is established as an Unincorporated Area.

Executive Summary

The New Brunswick (Province) Department of Environment and Local Government (Department) is meeting its outcomes reporting requirement under the Canada – New Brunswick Administrative Agreement on the Federal Gas Tax Fund 2014-2024 (Agreement) by submitting this, its third Provincial Outcomes Report (Report).

The Gas Tax Fund (GTF), the funding program administered through the above-mentioned Agreement, allocates funding to eligible recipients towards the construction, rehabilitation, expansion and planning of local infrastructure under the following project categories:

Original Categories

- | | |
|-----------------------------|----------------------------|
| 1) Water | 5) Local Roads and Bridges |
| 2) Wastewater | 6) Public Transit |
| 3) Solid Waste | 7) Capacity Building |
| 4) Community Energy Systems | |

Additional Categories per Canada's *Economic Action Plan 2013*

- | | |
|--------------------------------|------------------------------|
| 8) Highways | 14) Brownfield Redevelopment |
| 9) Local and Regional Airports | 15) Culture |
| 10) Short-line Rail | 16) Tourism |
| 11) Short-sea Shipping | 17) Sport |
| 12) Disaster Mitigation | 18) Recreation |
| 13) Broadband and Connectivity | |

The Department, Canada and all eligible recipients of funds have agreed to measurable performance indicators under each category for each project in their Capital Investment Plan (CIP). GTF eligible recipients must submit an annual outcomes report as well as an annual expenditure report (AER) on their projects to the Department. The Department tracks this information in the NB GTF database and uses it for aggregate reporting of outcomes at the provincial level.

Results

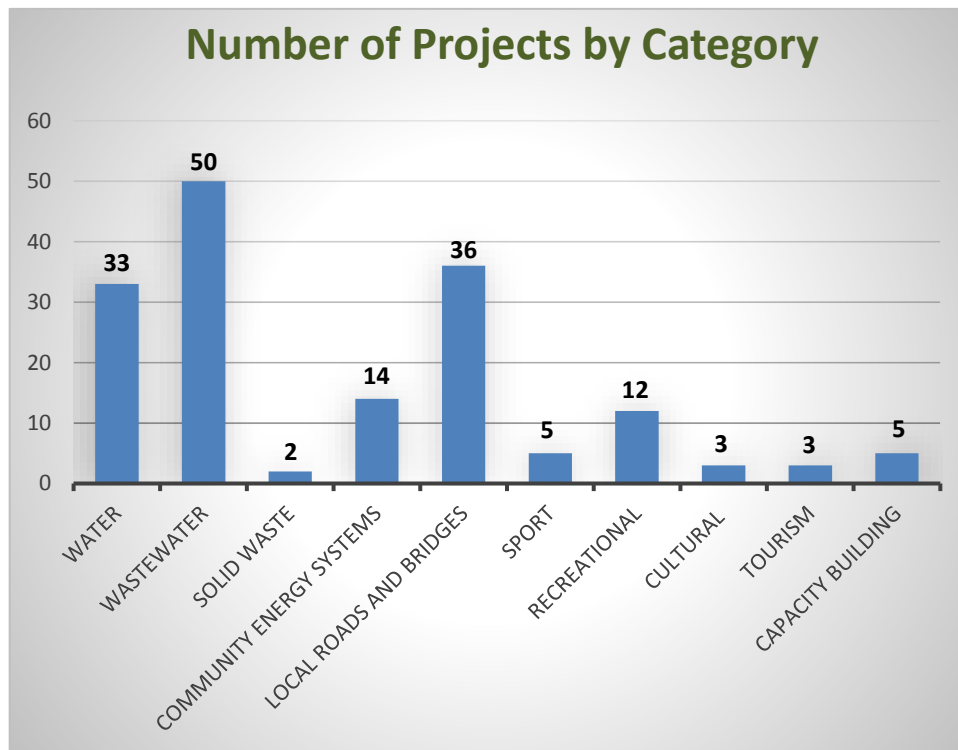
New Brunswick communities have completed a total of 163 projects during the reporting period with a total investment of \$45,985,009 (\$31,234,983 federal, \$230,543 provincial, \$14,519,483 municipal and other) in ten of the eighteen categories defined by the Agreement.

We are providing the following breakdown of federal funding, total investments and the number of projects for each national objective as tracked for all of our projects completed during the reporting period, in the following table.

Table 1: Statistics on Projects per Agreement Objective

National Objective	Federal	Total Project Costs	# of Projects
Clean Environment	\$ 18,238,424	\$ 26,953,128	99
Productivity and Economic Growth	\$ 8,048,801	\$ 10,152,467	36
Strong Cities and Communities	\$ 4,947,758	\$ 8,879,414	28
Totals	\$ 31,234,983	\$ 45,985,009	163

The number of projects per invested category for the 163 projects completed by NB communities is presented in the chart below. You will notice that the three categories with the most projects are: Wastewater, Local Roads and Bridges and Water.



The cumulative results of all completed projects that have reported NB PMF indicators in key performance areas are shown in Table 2 below:

Table 2: Summary of Performance Indicators for the Reporting Period

Length of water and wastewater lines	26,951 m
Connections to water and wastewater systems	1,304 clients
Clients benefitting from improved water and wastewater system service and/or reliability	11,542 clients
Decreased energy consumption	251,402 kWh/year
Length of walking trails, biking lanes, sidewalks constructed or repaired	16.9 km
Length of roads constructed, resurfaced or reconstructed to Provincial standard, or decrease travel time and or reduce travel distance	26.5 km
Solid waste diverted through recycling and/or composting	152.4 tonnes

Conclusion

This program provides substantial and predictable long-term funding for all recipients in New Brunswick, which is essential in helping communities plan and manage their infrastructure requirements to support service delivery. GTF investments made in New Brunswick communities during the reporting period had a positive and significant impact on the state of infrastructure in New Brunswick. As this report demonstrates, all projects carried out during the reporting period have advanced New Brunswick in achieving the national objectives of Productivity and Economic Growth, a Clean Environment and Strong Cities and Communities.

1 Background

On May 20, 2014, New Brunswick signed the *Canada – New Brunswick Administrative Agreement on the Federal Gas Tax Fund 2014 – 2024* (Agreement) with the Government of Canada (Canada). The first two phases of Gas Tax Fund (GTF) agreements between New Brunswick and Canada provided \$294.5 M in federal funding to New Brunswick communities (municipalities, rural communities and unincorporated areas), with an additional contribution of \$30.0 M by New Brunswick in Phase I. Taking effect on April 1, 2014, the new agreement is broken into two, five-year phases: Phase III (2014 – 18) and Phase IV (2019 – 24). Phase III includes a federal funding investment of nearly \$225.3 M.

Funds from this phase of the gas tax program are being devoted to projects that support the national objectives of productivity and economic growth, a clean environment and strong cities and communities.

The distribution of the above-mentioned funds is shown in the following tables:

Table 1.1: Phase I

	%	Federal	Provincial	Total
<u>Phase I of GTF (2005-2009)</u>				
Incorporated Areas	67	\$73.58 M	\$19.02 M	\$92.60 M
Unincorporated Areas	33	\$42.48 M	\$10.98 M	\$53.46 M
Totals	100	\$116.06 M	\$30.00 M	\$146.06 M

Table 1.2: Phase II

	%	Federal
<u>Phase II of GTF (2010-2013)</u>		
Incorporated Areas	80	\$142.83 M
Unincorporated Areas	20	\$35.71 M
Totals	100	\$178.53 M

Table 1.3: Phase III

	%	Federal
<u>Phase III of GTF (2014-2018)</u>		
Administrative portion	1.35	3.04 M
Remaining for Allocation		222.23 M
Incorporated Areas	80*	\$177.78 M
Unincorporated Areas	20*	\$44.45 M
Totals	100	\$225.27 M

* Percent of remaining allocation after administrative portion is removed.

An important component of the Agreement is that New Brunswick's local governments are required to begin implementing infrastructure asset management planning. The initial step toward asset management is submission of an asset management plan by July 31, 2018 which demonstrates progress toward minimum requirements as set by New Brunswick.

The Agreement requires New Brunswick to file *Outcomes Reports* to Canada during each phase, which are then made available to the public. These reports must include information on the cumulative investments under the GTF, how these investments are contributing to the national objectives and benefits of the Agreement.

In New Brunswick, the impact of the use of the GTF is being measured through a performance management framework developed by New Brunswick which ties quantitative performance indicators to the following project categories:

Original GTF Categories

- | | |
|-----------------------------|----------------------------|
| 1) Water | 5) Local Roads and Bridges |
| 2) Wastewater | 6) Public Transit |
| 3) Solid Waste | 7) Capacity Building |
| 4) Community Energy Systems | |

Additional Categories per Canada's *Economic Action Plan 2013*

- | | |
|---------------------------------|-------------------------|
| 8) Highways | 14) Sport |
| 9) Short Sea Shipping | 15) Recreational |
| 10) Short-line Rail | 16) Cultural |
| 11) Regional and Local Airports | 17) Tourism |
| 12) Broadband Connectivity | 18) Disaster Mitigation |
| 13) Brownfield Redevelopment | |

2 Purpose and Scope

Section 2 of Schedule D of the Agreement requires New Brunswick to submit an Outcomes Report to Canada that *“will report in aggregate on the degree to which investments are supporting the progress in New Brunswick towards achieving the following program benefits:*

- *Beneficial impacts on communities of completed Eligible Projects;*
- *Enhanced impact of GTF as a predictable source of funding including incrementality; and,*
- *Progress made on improving Local Government planning and asset management.”*

2.1 Purpose

The purpose of this report is to inform Canada, eligible recipients and the public of the ongoing environmental, community and economic benefits being achieved through investments made under the GTF. It is intended to fulfill the commitment of New Brunswick to prepare and deliver an outcomes report during each phase of the Agreement. This Report may be used by Canada to prepare a national roll-up report on the benefits of GTF investments being made across the country.

2.2 Reporting Period

The reporting period for this report encompasses projects that have had their annual project outcomes reports filed with New Brunswick, including:

- Incorporated areas during the period April 1, 2014 to December 31, 2016 (end of municipal fiscal year); and
- Unincorporated areas during the period April 1, 2014 to March 31, 2017 (end of the provincial fiscal year).

Note that the reporting period does not cover the entire Phase III of the GTF, as the outcomes and data for the last year of the current phase will not be available from municipalities until late 2019.

2.3 Scope

This report presents the outcomes of GTF investments in NB communities and demonstrates the benefits of the fund through the impacts of completed projects on communities, the reliability of the GTF as ongoing funding source, as well as the transition toward infrastructure asset management that communities are engaged in. GTF investments are important in ensuring continued movement toward sustainability, economic growth and infrastructure management across New Brunswick.

During the reporting period, the GTF has provided funding to New Brunswick communities to support the construction, refurbishment, life extension and/or expansion of publicly owned infrastructure required for the supply or management of:

- Potable Water
- Wastewater Collection and Treatment
- Solid Waste
- Energy Efficiency and Clean Energy
- Local Roads and Bridges
- Sport, Tourism, Cultural and Recreational services

The GTF also funds capacity building projects to enable communities to better plan, manage, operate and report on the infrastructure for which they are responsible, and to maximize the environmental and community benefits they deliver through these systems.

3 Goal and National Objectives

The major goal of the GTF is to assist New Brunswick communities to improve their infrastructure in ways that will more effectively and reliably provide services to their residents and contribute to economic growth while reducing the effects that the targeted infrastructure systems have on the environment.

The national objectives of the GTF towards which all projects must contribute under this Agreement are productivity and economic growth, a clean environment and strong cities and communities. Each project category prescribed by the agreement has been tied to at least one of the national objectives as laid out in New Brunswick's Performance Measurement Framework (NB PMF) which is outlined in section 4 of this report.

Asset management planning has been specifically identified as an important means to achieving the overall goal of the GTF. Canada requires that GTF recipients implement capital asset management planning within the span of the current Agreement. New Brunswick has published the "Guide to Asset Management Planning for Local Governments" as an outline of minimum requirements for a capital asset management plan, which is to be submitted by each local government by July 31, 2018.

Aside from the national objectives above, Canada requires New Brunswick to demonstrate that GTF investments follow an agreed upon formula of incrementality to ensure reliable annual funding across municipalities and throughout New Brunswick.

4 Outcomes Measurement Methodology

Under this Agreement, New Brunswick has enhanced the original NB PMF that was developed for prior GTF phases. The framework identifies performance indicators under each category that have been agreed upon by New Brunswick and Canada. For the current Agreement the NB PMF has been expanded to encompass performance indicators for the original project categories as well as the new categories added under Canada's *Economic Action Plan 2013*. Using quantifiable performance indicators in the NB PMF provides for analysis of the outcomes achieved by each GTF project thereby serving as the foundation for outcomes measurement.

The performance indicators developed for each category must be reported by the eligible recipients as part of their funding agreements. These metrics have many important attributes in that they:

- Are accurately and feasibly measurable for each project;
- Provide timely estimates and final measurements as the project is completed and continues operation into the future;
- Are easily understood by the project owner and the public;
- Allow similar types of projects to be easily aggregated; and
- Are applicable to projects undertaken in any New Brunswick Community.

The NB GTF database is updated as information for new projects is provided and as milestones of existing projects are accomplished. The data is rolled up into totals for each category of infrastructure project being undertaken. New Brunswick tracks and reports the indicators for projects undertaken in both incorporated and unincorporated areas.

The following listing breaks down the NB PMF by describing each category, grouped under national objectives, and includes the associated indicators. Please note that ten of the categories are named using **bold** typeface. These are categories which include projects that have been approved and completed within the reporting period and, as such, are the focus of the analysis in section 5.

Under the National Objective of Productivity and Economic Growth:

Local Roads and Bridges

Roads, bridges and active transportation infrastructure. Active transportation refers to active methods of travel (commuting by bicycle for example) such as cycling lanes and paths, sidewalks and walking trails and should not be confused with strictly recreational infrastructure such as a trail system within a park.

Performance Indicators

- # of km improved/resurfaced to provincial standard
- Change in the rate of accidents/fatalities or injuries

- Change in International Roughness Index (IRI)
- # of complaints/claims due to potholes over a set period of time
- Change in road capacity
- # of km of path/sidewalk/hiking & walking trails or cycling lanes built

Highways

Construction, renewal or material enhancement of highway infrastructure.

Performance Indicators

- # of km improved/resurfaced to a provincial standard

Short Sea Shipping

Construction, renewal or material enhancement of infrastructure related to the movement of cargo and passengers around the coast and on inland waterways, without crossing an ocean.

Performance Indicators

- Increase in the fleet, cargo or passenger capacity
- Change in the frequency of service
- Increase in the # of passengers transported

Short-line Rail

Construction, renewal or material enhancement of railway related infrastructure for carriage of passengers or freight.

Performance Indicators

- Km of constructed or upgraded railway infrastructure
- Increase in the # of passengers over a comparable period of time

Regional and Local Airports

Construction, renewal or material enhancement of airport related infrastructure.

Performance Indicators

- Change in the # of aircraft take-offs or landings at an airport over a determined period of time (one arrival and one departure are counted as two movements)
- Change in the # metric tonnes of freight or mail loaded or unloaded at the airport over a determined period of time
- Increase in the # of passengers over a determined period of time
- Decrease in the # of occurrences (incorrect presence of an aircraft, vehicle, person or wildlife on the protected area of a surface designated for the landing and take-off of aircraft)

Broadband Connectivity

Infrastructure that provides internet access to residents, businesses, and/or institutions in Canadian communities.

Performance Indicators

- Increased # of premises with internet access
- Increased # of premises with enhanced broadband service

Public Transit

Infrastructure which supports a shared passenger transport system which is available for public use.

Performance Indicators

- Change in transit coverage (% of people who live within 2km of transit)
- # of kms of new or improved transit lines
- Change in public transport capacity in route-kilometres
- Change in ridership

Under the National Objective of Clean Environment:

Water

Infrastructure supporting drinking water conservation, collection, treatment and distribution.

Performance Indicators

- # of new households (and/or non-residential properties) connected to municipal water systems
- # of meters of water system or supply pipes added, repaired or replaced
- Change in capacity of water distributed (m³ per day)
- Change in kWh consumed (metering or energy efficiency pumps)
- Change in water storage capacity (m³)
- Change in capacity of water treated to meet safety standards (m³ per day)
- # of locations fitted with water meters
- # of households (and/or non-residential properties) connected to municipal water system that will benefit from increased service reliability
- # of households (and/or non-residential properties) connected to municipal water system that will receive improved potable water quality
- # of locations that will be connected to hydrants & improve fire protection

Wastewater

Infrastructure that supports wastewater and storm water collection, treatment and management systems.

Performance Indicators

- # of new households (and/or non-residential properties) connected to municipal wastewater systems
- # of metres of system or pipes added, repaired or replaced
- Change in capacity of wastewater collected and/or treated (m³ per day)
- # of households (and/or non-residential properties) connected that will receive higher quality wastewater treatment (precise level of treatment and/or meeting or not new wastewater regulations) and/or improved service reliability
- Increase in # of households (and/or non-residential properties) served by separated sewer systems (to reduce risk of flooding and wastewater discharges)
- Change in kWh consumed (energy efficient lift stations)
- Confirmation of improved service reliability of wastewater treatment facilities and distribution/collection system
- Frequency of compliance (%) with provincial limits of nutrients in effluent discharge

Solid Waste

Infrastructure that supports solid waste management systems including the collection, diversion and disposal of recyclables, compostable materials and garbage.

Performance Indicators

- Reduced GHG emissions (e.g., volume of methane captured)
- Increased capacity of site (tonnes) + rationale
- Increased quantity (metric tonnes) of solid waste diverted from disposal through composting and / or recycling

Community Energy Systems

Infrastructure that generates or increases the efficient usage of energy.

Performance Indicators

- Decreased volume of fuel consumption
- Decrease in kWh consumed
- Increase in kWh generated (off the grid)
- Increase in kWh of renewable energy generated

Brownfield Redevelopment

Remediation or decontamination and redevelopment of a brownfield site within municipal boundaries, where the redevelopment includes:

- the construction of public infrastructure as identified in the context of any other category under the GTF, and / or;
- the construction of municipal use public parks or publicly-owned social housing.

Performance Indicators

- Area (m²) of remediated site
- Increase in local property tax base
- # of new residential units, businesses and / or institutions on redeveloped site

Under the National Objective of Strong Cities and Communities:

Sport Infrastructure

Construction, renewal or material enhancement of amateur sport infrastructure.

Performance Indicators

- # of residents who will benefit from the new or upgraded sport facility
- Increase in % or # of sporting events held per year
- Increase in % of visitors to the community (sports tourism)
- Increase in ice surface, seating, public spaces, etc.
- # of new or upgraded sport facilities

Recreational Infrastructure

Construction, renewal or material enhancement of recreational facilities or networks.

Performance Indicators

- # of km of recreational trails built, extended or improved
- # of residents who could benefit from the investment

- Increase in the # of users
- # of new or upgraded recreational facilities

Cultural Infrastructure

Construction, renewal or material enhancement of infrastructure that supports arts, humanities, and heritage.

Performance Indicators

- # of residents served by new or upgraded cultural facilities
- Increase in % of visitors to the community
- Increase in % or # of cultural events held per year
- # of new or upgraded cultural facilities

Tourism Infrastructure

Construction, renewal or material enhancement of infrastructure that attracts travelers for recreation, leisure, business or other purposes.

Performance Indicators

- # of tourists who will benefit from the new or upgraded facility
- Increase in # of visitors and / or length of stay and / or quality of stay
- % growth in the # of room-nights sold over a comparable period of time
- # of businesses created or expanded
- # of new or upgraded tourism facilities

Disaster Mitigation Infrastructure

Construction, renewal or material enhancement of infrastructure that reduces or eliminates long-term impacts and risks associated with natural disasters.

Performance Indicators

- % of services projected to be protected
- # of properties projected to be less at-risk
- # or % of population projected to be less at-risk
- \$ of Disaster Financial Assistance Arrangement funding and / or emergency response costs estimated to be reduced, based on a previous or comparable event
- # or % of at-risk infrastructure that is better protected
- % of mitigation plans implemented

Capacity Building

Includes investments related to strengthening the ability of Local Governments to develop long-term planning practices.

Performance Indicators

- # of Capacity Building projects investing in asset management and / or long-term municipal planning
- # of Integrated Community Sustainability or Capital Investment Plans resulting from Capacity Building investments
- # of Water Management Plans

5 Analysis of Results

5.1 Incorporated Areas

One hundred and fifty-two projects have been completed in Incorporated Areas. Of these, 122 have reported performance indicators that fall under the NB PMF. Of the remaining 30 projects, some were completed late in 2016 and the NB PMF performance indicators will be reported in 2017 outcomes reporting. Some projects are measured by other indicators that support the goals and objectives of the Agreement, but are not included in the NB PMF as New Brunswick has only included the most common indicators reported. Investments and the resulting NB PMF performance indicators are summarized by category in this section.

Water

Incorporated Areas completed 31 potable water related projects with a total investment of \$4,244,014. Of these projects, 22 have reported on NB PMF indicators. Projects in this category tend to fall under the following types in terms of their primary purposes:

- Improved quality, safety, use and volume
- Added clients to systems
- Reduced energy consumption
- Improved service reliability

Table 5.1.1: Results for Water projects in Incorporated Areas

Water		
Completed Projects	31	
Federal Contribution	\$3,260,440	
Provincial Contribution	\$44,713	
Municipal and Other	\$938,861	
Total	\$4,244,014	
Performance Indicators	Measure	Projects
# of metres of water system pipes added, repaired or replaced	2,511.8	6
# of new households (and/or non-residential properties) connected to municipal water system	617	2
Decrease in kWh consumed (kWh/year)	47,640	2
# of locations fitted with water meters	1	1
# of households (and/or non-residential properties) connected to municipal water system that will receive improved potable water quality	7,604	12
# of households (and/or non-residential properties) connected to municipal water system that will benefit from increased service reliability	7,653	13

Note: Several projects have reported results under more than one performance indicator. This explains the disparity between the 22 out of the 31 projects that have reported indicators and the total number of projects with PMF indicators which totals 36 in the table above. Several categories will have similar apparent discrepancies in their NB PMF totals.

Wastewater

Forty-five wastewater projects, at a total cost of \$11,217,966, were completed in Incorporated Areas. Of these projects, 41 have reported on NB PMF indicators. Wastewater projects are typically of the following types in terms of their primary purposes:

- Improved sewage collection and treatment
- Improved storm water management
- New connections to sewage collection and treatment
- Reduced energy consumption
- Improved service reliability

Table 5.1.2: Results for Wastewater projects in Incorporated Areas

Wastewater		
Completed Projects		45
Federal Contribution		\$7,346,140
Provincial Contribution		\$20,544
Municipal and Other		\$3,851,282
Total		\$11,217,966
Performance Indicators	Measure	Projects
# of metres of wastewater system pipes added, repaired or replaced	9,744.6	24
# of new households (and/or non-residential properties) connected to municipal wastewater system	1	1
Decrease in kWh consumed (kWh/year)	19,680	2
# of households (and/or non-residential properties) connected that will receive higher quality wastewater treatment and/or improved service reliability	2,785	5
Change in capacity of wastewater collected and/or treated (m ³ / day)	79,200	3
Confirmation of improved service reliability of collection systems and wastewater treatment facilities	9	6

Solid Waste

The Incorporated Areas reported on two solid waste projects, aimed at recycling and waste diversion, at a total cost of \$98,804.

Table 5.1.3: Results for Solid Waste projects in Incorporated Areas

Solid Waste		
Completed Projects		2
Federal Contribution		\$98,804
Provincial Contribution		\$0
Municipal and Other		\$0
Total		\$98,804
Performance Indicator	Measure	Projects
Increased quantity (metric tonnes/year) of solid waste diverted from disposal through compost &/or recycling	152.4	2

Community Energy Systems

Fourteen community energy projects, at a total cost of \$4,339,305, were completed in the Incorporated Areas. Of these projects, six have reported on NB PMF indicators. These projects promote reductions in energy or fuel consumption.

Table 5.1.4: Results for Community Energy System projects in Incorporated Areas

Community Energy Systems		
Completed Projects		14
Federal Contribution		\$707,754
Provincial Contribution		\$6,194
Municipal and Other		\$3,625,357
Total		\$4,339,305
Performance Indicators	Measure	Projects
Decrease in kWh consumed (kWh/year)	214,995.2	6
Decreased volume of fuel consumption (l/year)	1,395	1

Local Roads and Bridges

The Incorporated Areas completed 36 local road, bridge and active transportation projects at a total cost of \$10,152,467. Of these, 31 projects have reported their NB PMF indicators. Projects in this category have the following primary purposes:

- Improved local roads and traffic circulation
- Developed active transportation

Table 5.1.5: Results for Local Road and Bridge projects in Incorporated Areas

Local Roads and Bridges		
Completed Projects		36
Federal Contribution		\$8,048,801
Provincial Contribution		\$0
Municipal and Other		\$2,103,666
Total		\$10,152,467
Performance Indicators	Measure	Projects
# of km improved/resurfaced to a prov. standard	24.4	21
# of km of path/sidewalk/hiking & walking trails or cycling lanes built	15.8	14

Sport Infrastructure

Five projects have resulted in an investment of \$1,631,005 in sporting infrastructure in the Incorporated Areas. All projects have reported on NB PMF indicators. Projects in this category are all geared toward construction and renewal or enhancement of amateur sports infrastructure.

Table 5.1.6: Results for Sport Infrastructure projects in Incorporated Areas

Sport Infrastructure		
Completed Projects		5
Federal Contribution		\$1,056,738
Provincial Contribution		\$0
Municipal and Other		\$574,267
Total		\$1,631,005
Performance Indicator	Measure	Projects
# of residents who will benefit from the new or upgraded facility	14,950	5
# of new or upgraded facilities	5	4
# in increase of events held per year as a result of investment	1	1

Recreational Infrastructure

Incorporated Areas have invested \$1,183,991 into ten projects deemed to be recreational infrastructure. Nine of these projects reported NB PMF indicators. Projects in this category are intended for the construction and renewal or enhancement of recreational facilities and / or networks.

Table 5.1.7: Results for Recreational Infrastructure projects in Incorporated Areas

Recreational Infrastructure		
Completed Projects		10
Federal Contribution		\$857,833
Provincial Contribution		\$0
Municipal and Other		\$326,158
Total		\$1,183,991
Performance Indicator	Measure	Projects
# of residents who will benefit from the new or upgraded facility	26,126	7
# of new or upgraded facilities	10	9

Tourism Infrastructure

Two tourism projects with a total investment of \$597,741 were completed in the Incorporated Areas. Both reported on NB PMF indicators. Projects in this category are intended to attract travelers to New Brunswick for recreation, leisure or business purposes.

Table 5.1.8: Results for Tourism projects in Incorporated Areas

Tourism Infrastructure		
Completed Projects		2
Federal Contribution		\$596,019
Provincial Contribution		\$0
Municipal and Other		\$1,722
Total		\$597,741
Performance Indicator	Measure	Projects
# of residents who will benefit from the new or upgraded facility	6,200	1
# of new or upgraded facilities	2	2

Cultural Infrastructure

Two projects with a total investment of \$3,116,774 were completed under the category of Cultural Infrastructure, in the Incorporated Areas. Both reported their NB PMF indicators. Projects in this category are for infrastructure that will support the arts, humanities and heritage.

Table 5.1.9: Results for Cultural Infrastructure projects in Incorporated Areas

Cultural Infrastructure		
Completed Projects		2
Federal Contribution		\$707,284
Provincial Contribution		\$0
Municipal and Other		\$2,409,490
Total		\$3,116,774
Performance Indicator	Quantity	Projects
# of residents who will benefit from the new or upgraded facility	9,350	2
# of new or upgraded facilities	2	2

Capacity Building

The Incorporated Areas completed five capacity building projects with a total of investment of \$93,331. Projects identified in this category were related to the planning and management of municipal infrastructure.

Table 5.1.10: Results for Capacity Building projects in Incorporated Areas

Capacity Building	
Completed Projects	5
Federal Contribution	\$88,512
Provincial Contribution	\$4,654
Municipal and Other	\$165
Total	\$93,331
Performance Indicator	Projects
# of Capacity Building projects investing in asset management and/or long-term municipal planning	2

Incorporated Area Totals

The purpose of the following tables is to summarize the investments and all PMF indicators for the Incorporated Area projects during the Reporting Period.

Please note there will be some discrepancy between the performance indicator totals in the summary table and the preceding category based tables. This occurs when projects are reported on, on indicators across multiple categories. As an example, a road reconstruction project under the Local Roads and Bridges category which also includes Water and Wastewater pipe upgrades. The measures for the secondary Water and Wastewater indicators would not have been reported in the preceding tables, but are included in the following summary table.

Table 5.1.11: Investments in the Incorporated Areas

Incorporated Areas Total	
Completed Projects	152
Federal Contribution	\$22,768,325
Provincial Contribution	\$76,105
Municipal and Other	\$13,830,968
Total Investment	\$36,675,398

Table 5.1.12: Performance Indicators across Incorporated Areas

Performance Indicators	Quantity	Projects
# of metres of wastewater system pipes added, repaired or replaced	12,684	25
# of households (and/or non-residential properties) connected that will receive higher quality wastewater treatment (precise level of treatment and/or meeting or not new wastewater regulations) and/or improved service reliability	3,869	8
# of new households (and/or non-residential properties) connected to municipal wastewater system	617	2
Change in capacity of wastewater collected and/or treated (m3 / day)	79,200	3
Confirmation of improved service reliability of wastewater treatment facilities and distribution/collection systems	11	7
# of households (and/or non-residential properties) connected to municipal water system that will benefit from increased service reliability	7,653	13
# of households (and/or non-residential properties) connected to municipal water system that will receive improved potable water quality	7,604	12
# of metres of water system pipes added, repaired or replaced	4,952	12
# of locations fitted with water meters	1	1
# of new households (and/or non-residential properties) connected to municipal water system	617	2
Decrease in kWh consumed	251,402.2	12
# of km improved/resurfaced to a prov. standard	26.5	25
# of km of path/sidewalk/hiking & walking trails or cycling lanes built	16.9	16
Decreased volume of fuel consumption	1,395	1
# of residents who will benefit from the new or upgraded facility	56,626	14
# of new or upgraded facilities	19	17
Increased quantity (metric tonnes) of solid waste diverted from disposal through compost &/or recycling	152.4	2
# of Capacity Building projects investing in asset management and/or long-term municipal planning	2	2
# in increase of events held per year as a result of investment	1	1

5.2 Unincorporated Areas

All GTF projects completed in the Unincorporated Areas were managed either wholly by the Department or in partnership with a municipality, utility or service commission or another provincial department. There were 11 capital projects completed in the Unincorporated Areas during the Reporting Period with a gross investment of \$9.3M. The investments by category, along with reported performance indicators are presented in the following tables.

Water

Two projects with a total investment of \$1,004,259 were completed under the Water category in the Unincorporated Areas. Both projects reported on NB PMF indicators. These projects were to extend drinking water distribution systems.

Table 5.2.1: Results for Water projects in Unincorporated Areas

Water		
Completed Projects		2
Federal Contribution		\$1,004,259
Provincial Contribution		\$0
Other		\$0
Total		\$1,004,259
Performance Indicator	Quantity	Projects
# of metres of water system pipes added, repaired or replaced	637	2
# of new households (and/or non-residential properties) connected to regional water system	1,892	2

Wastewater

Five Wastewater projects with a total investment of \$6,048,780 were completed in the Unincorporated Areas. NB PMF indicators were reported for all five projects.

Table 5.2.2: Results for Wastewater projects in Unincorporated Areas

Wastewater		
Completed Projects		5
Federal Contribution		\$5,821,027
Provincial Contribution		\$9,438
Other		\$218,315
Total		\$6,048,780
Performance Indicator	Quantity	Projects
# of metres of wastewater system pipes added, repaired or replaced	5,546.8	3
# of new households (and/or non-residential properties) connected to regional wastewater system	162	3
# of households (and/or non-residential properties) connected that will receive higher quality wastewater treatment and/or improved service reliability	1,532	1

Recreational Infrastructure

Unincorporated Areas have invested \$1,157,072 into two recreational infrastructure projects with reported NB PMF indicators.

Table 5.2.3: Results for Recreational Infrastructure projects in Unincorporated Areas

Recreational Infrastructure		
Completed Projects		2
Federal Contribution		\$641,372
Provincial Contribution		\$145,000
Other		\$370,700
Total		\$1,157,072
Performance Indicator	Measure	Projects
# of residents who will benefit from the investment	5,254	1
# of new or upgraded facilities	1	1

Tourism Infrastructure

Unincorporated Areas have invested \$399,500 into one Tourism project and reported on the related NB PMF indicator.

Table 5.2.4: Results for one Tourism Infrastructure project in Unincorporated Areas

Tourism Infrastructure		
Completed Projects		1
Federal Contribution		\$300,000
Provincial Contribution		\$0
Other		\$99,500
Total		\$399,500
Performance Indicator	Measure	Projects
# of tourists who will benefit from the new or upgraded facility	175,000	1

Cultural Infrastructure

Unincorporated Areas have invested \$700,000 into one Cultural Infrastructure project and reported on the related NB PMF indicator.

Table 5.2.5: Results for one Cultural Infrastructure project in Unincorporated Areas

Cultural Infrastructure		
Completed Projects		1
Federal Contribution		\$700,000
Provincial Contribution		\$0
Other		\$0
Total		\$700,000
Performance Indicator	Measure	Projects
# of residents who will benefit from the new or upgraded facility	1,733	1

Unincorporated Area Totals

The purpose of the following tables is to summarize the investments and all PMF indicators for the Unincorporated Area projects during the Reporting Period.

Table 5.2.6: Investments in the Unincorporated Areas

Unincorporated Areas Total	
Completed Projects	11
Federal Contribution	\$8,466,658
Provincial Contribution	\$154,438
Other	\$688,515
Total Investment	\$9,309,611

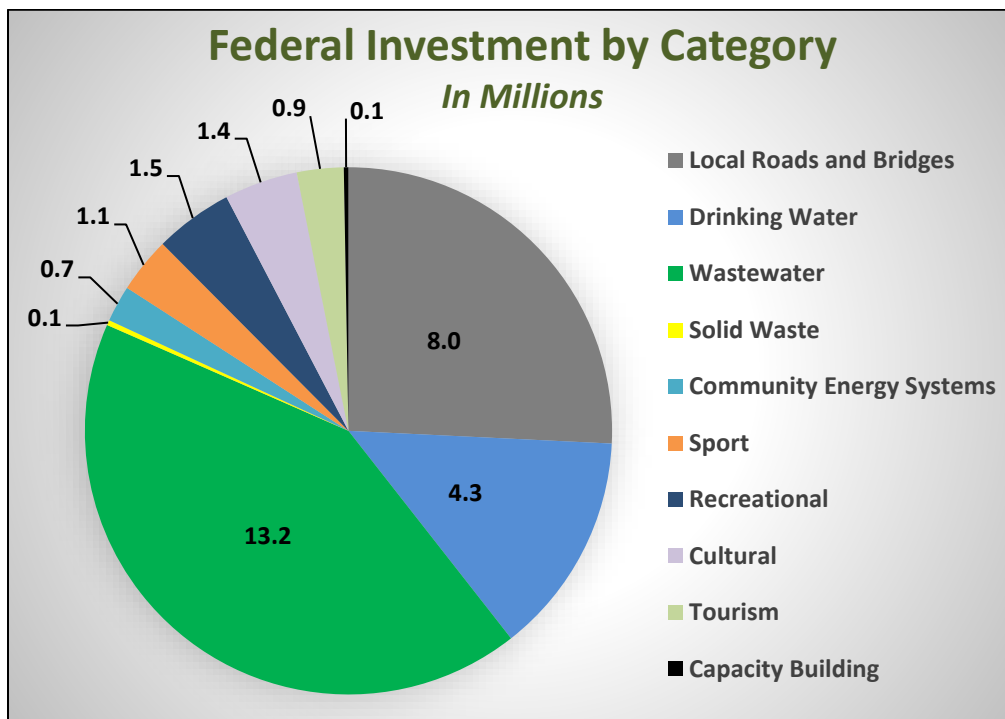
Table 5.2.7: Performance Indicators across Unincorporated Areas

Performance Indicators	Quantity	Projects
# of households (and/or non-residential properties) connected that will receive higher quality wastewater treatment and/or improved service reliability	20	1
# of metres of wastewater system pipes added, repaired or replaced	3,923.8	4
# of new households (and/or non-residential properties) connected to a regional wastewater system	666	4
# of metres of water system pipes added, repaired or replaced	5,392	3
# of new households (and/or non-residential properties) connected to regional water system	637	2
# of new or upgraded recreational facilities	1	1
# of residents who could benefit from the recreational investment	5,254	1
# of residents who will benefit from the new or upgraded cultural facility	1,733	1
# of tourists who will benefit from the new or upgraded facility	175,000	1

5.3 Summary of New Brunswick Projects

To date, there have been 498 projects authorized under the Agreement. Of these, 450 projects are within Incorporated Areas and 48 are in Unincorporated Areas. As reported, 152 (34%) of those projects in Incorporated Areas and 11 (23%) in Unincorporated Areas, were completed during the reporting period.

The federal investment in completed projects across all areas, during the reporting period is over 31.2M. Each project is linked to a single primary category. The chart below illustrates the distribution of investments by Canada in each of the categories. Note that these amounts are the federal amounts only and are exclusive of provincial, municipal or other investment amounts.



As shown in the chart above, most of the federal funds have been devoted to projects in the Wastewater (\$13.2 M), Local Roads and Bridges (\$8.0 M), and Water (\$4.3 M) categories. The balance of approximately \$5.8M has been invested in seven of the 15 remaining categories. These figures demonstrate what NB communities have selected as their priorities amongst the 18 eligible categories, during this reporting period.

6 Project Examples

The categories of eligible GTF projects undertaken during the reporting period are analyzed in the foregoing section. However, it is useful to consider a sample of individual projects that were completed to bring additional clarity to the type of investments made and to illustrate their conformance with the objectives of the program.

6.1 Improvements to Drinking Water Supply Source (Town of St-Quentin)

\$ 262K Federal
15K Municipal

A Water project under the Clean Environment Objective

The municipality undertook the creation of a secondary drinking water supply reservoir to better facilitate cleaning and maintenance of the primary reservoir. The existing basin was approximately 12m x 35m in size with a depth of 1.8m. It was composed of a gravel bottom over infiltration galleries. Over time, sediment from the creek accumulated and settled on the bottom of the pond, preventing proper filtration through the gravel layer. Regular cleaning is required to prevent sediment



Image courtesy of the Town of Saint-Quentin.

accumulation and ensure maximum filtration capacity through the infiltration galleries. The new basin is located near the primary reservoir and the infiltration galleries are connected to the existing pumping station and treatment plant.

Outcome:

Approximately 900 customers received an improvement in reliability and quality of their drinking water.

NB PMF Indicator:

- 900 customers benefited from improved service reliability.
- 900 customers received improved water quality.

Other Indicators:

- Overall water depth before pumping has increased by 0.3 metre, indicating less sediment at the bottom of the reservoir.
- Water depth during pumping has increased by 0.6 metre, indicating that filtration has improved following maintenance, leading to better water quality.

6.2 Arena Refurbishment

(Town of Beresford)

\$ 890K Federal
\$ 574K Municipal

A Sports Infrastructure project under the Strong Cities and Communities Objective

This project involved a complete refurbishment of the existing municipal arena by installing new bleachers, boards, glass, ice plant and refrigerated floor for the ice surface.

Expected Outcome:

All users within the community will benefit from the refurbished arena.

NB PMF Indicator:

- 4,288 residents could benefit from the refurbished arena.



Image courtesy of the Town of Beresford.

6.3 Playground, Track and Parking Upgrade

(Rural Community of Beaubassin East)

\$ 370K Federal

A Recreational Infrastructure project under the Strong Cities and Communities Objective

The Rural Community completed construction of a playground with activity features for children and seniors, complemented by a pedestrian track and picnic areas. Parking upgrades were also part of the project.

Expected Outcome:

All users within the community will benefit from the new facility.

NB PMF Indicator:

- 1 new or upgraded facility.
- 6,200 residents could benefit from the new facility.



Image courtesy of the Rural Community of Beaubassin East.

6.4 Heritage Building Energy Refit (Town of Hampton)

A Community Energy Systems project under the Clean Environment Objective

**\$ 190K Federal
773K Municipal
451K Private**

The Town of Hampton invested in reducing the energy impact of the former Kings County Court House, a heritage building originally constructed in 1872. The town moved its municipal offices and council chambers into the renovated building which was bought from New Brunswick after it was no longer required as a provincial court. Energy related upgrades included new insulation in the roof, window upgrades, a new heating and ventilation system as well as energy efficient lighting. These upgrades were all carried out with careful consideration of the building's designation as a provincial historic site.



Image courtesy of "Canada's Historic Places" web site.

Expected Outcome:

Net reduction in the electricity required to operate the building on an annual basis. Measure was from one year prior to the renovation as compared to one year following.

NB PMF Indicator:

- The amount of electricity required to operate the building was reduced by 201,389 kWh in the first year.

6.5 Infrastructure RV Resort – Phase II

(City of Campbellton)

\$ 568K Federal
2K Other

A Tourism Infrastructure project under the Strong Cities and Communities Objective

This project was to develop 43 new, full service RV camp sites as an expansion of the existing municipal campground along the Campbellton waterfront on the Restigouche River. This expansion more than doubled the capacity of the campground.

Expected Outcome:

Increase in serviced RV sites for the camping season.



Image courtesy of the City of Campbellton.

NB PMF Indicator:

- 1 facility was upgraded.

Other Indicators:

- Water, sewer and electrical service installed for 43 camp sites.

6.6 Brentwood Storm Water Management – High Pond “A” & “B”

(City of Saint John)

\$ 2.3M Federal
351K Municipal

A Wastewater project under the Clean Environment Objective

This project involved the construction of a storm water detention pond on Caledonia Brook in the Brentwood area of the city.

Expected Outcome:

- Storm water pipe installation
- Detention pond capacity

NB PMF Indicator:

- 675m of storm water system pipe was added.
- Capacity of storm water collected and treated increased by 100,000m³.



Image courtesy of the City of Saint John.

6.7 L. P. Fisher Library Expansion (Town of Woodstock)

\$ 440K Federal
\$ 721K Municipal
1.25M Other

A Cultural infrastructure project under the Strong Cities and Communities Objective

This project doubled the size of the L.P. Fisher library. Space was added for activity areas, a multi-purpose room, as well as room for new and expanded collections of literature.

Expected Outcome:

- Increase in total area of the facility by expansion.
- Area of existing floor space renovated.

NB PMF Indicator:

- 1 facility was upgraded.
- 5,254 residents could benefit from the expansion.

Other Indicators:

- 478 m² of renovated and 582 m² of new floor area, respectively.



Image courtesy of the Town of Woodstock.

7 Asset Management in New Brunswick

In August of 2017, the New Brunswick Department of Environment and Local Government released the “Guide to Asset Management Planning for Local Governments” which established minimum asset management planning requirements for GTF ultimate recipients in incorporated areas. Upon release of the guide, a deadline of July 31, 2018 was established for all local governments to submit asset management plans.

Leading up to the submission deadline, communities have employed a variety of resources including federal funding available specifically for capacity building and plan development, provincial funding, regional partnerships, research partnerships and municipal association collaboration. Multiple consulting firms have also been instrumental in supporting local governments in the development of their asset management plans. New Brunswick has endeavored to support communities through engagement and events held within the province. Going forward, New Brunswick intends to continue to work with local governments and municipal associations to bring asset management to maturity in New Brunswick.

New Brunswick will review the submitted asset management plans and provide any feedback that is warranted. In addition, the collective results of the asset management plan submissions will be compiled and analyzed, and New Brunswick will report results to stakeholders. New Brunswick will continue to work with Canada and local governments in the province to develop future asset management plan requirements. This will ensure that local governments in NB continue to evolve and make use of their asset management plans to effectively plan and prioritize their infrastructure investments.

8 Incrementality of Gas Tax Funding

Provincial Base Amount

The Provincial Base Amount is a five-year (April 2000 - March 2005) average of funds invested in municipal infrastructure by New Brunswick and is currently set at an annual average of **\$11.2 M**. This amount was established in the original Gas Tax Agreement and was carried over to the existing Agreement.

New Brunswick has continued to provide capital funds under other municipal infrastructure funding programs throughout the reporting period. The table below demonstrates how New Brunswick's average annual investments exceed the Provincial Base Amount of \$11.2 million.

Table 8.1: Provincial Base Amount vs. Annual Investments (*in Millions*)

Provincial Base Amount	2014-15	2015-16	2016-17	2014-17 Average
\$11.2	\$8.5	\$7.9	\$19.6	\$12

Municipal Base Amount Average

The Department has developed a methodology to measure funding incrementality for incorporated areas in aggregate and Infrastructure Canada has agreed to set a fixed Municipal Base Amount Average (MBAA) of **\$46.5 M**. The table below demonstrates the annual capital investments made by municipalities and, using the approved formula, presents the Municipal Capital Investment Average (MCIA) as achieved during the reporting period. The MCIA of **\$126.0 M** exceeds the MBAA nearly threefold, demonstrating that although local governments do rely on Gas Tax Funding as an ongoing source of infrastructure funding, they continue to make significant additional investments in their tangible capital assets.

Table 8.2: Derivation of Municipal Capital Investment Average (*in Millions*)

	2014	2015	2016	2014 – 2016 MCIA
Investment	\$131.2	\$119.3	\$127.6	\$126
# Submitted AER's	102	104	105	311
Weighted Average	\$13,385.9	\$12,411.6	\$13,401.6	\$39,199.1

9 Conclusion

New Brunswick is satisfied that improved sustainability of New Brunswick communities has been achieved because of the implementation and management of the Gas Tax Fund Agreement. The development of the New Brunswick Gas Tax Fund database and the Performance Measurement Framework has allowed New Brunswick to track and report on results from all projects that are being undertaken. This report clearly demonstrates the benefits of these investments across the national objectives of Productivity and Economic Growth, Clean Environment and Strong Cities and Communities.

Canada's announcement to make the GTF a permanent funding program, starting in 2014, was very well received in our province. Our local governments are benefitting from sustained, reliable funding invested in the renewal of aging infrastructure, the construction of new infrastructure and better management of their assets.

APPENDIX A: List of Completed Incorporated Area Projects

By National Objective, Category and Community Name

Clean Environment Objective

Water

Rural Community of Saint-André	Water meter
Rural Community of Saint-André	Water line for chemin Olympique
Rural Community of Saint-André	SCADA System
Town of Hartland	SCADA Improvements
Town of Hartland	Backup Power Upgrades at Water Facilities
Town of Nackawic	Back-Up Generator for Well House
Town of Riverview	Hillsborough Road Watermain Renewal
Town of St. Stephen	Water Transmission Main Replacement
Town of Woodstock	Water Reservoir Improvements
Town of Woodstock	Water and Sanitary Sewer Extension
Village of Atholville	SCADA
Village of Atholville	Construction of new drainage ditch
Village of Baker-Brook	Pumping station recharge pond
Village of Baker-Brook	SCADA System
Village of Baker-Brook	Capture gallery
Village of Balmoral	Booster station
Village of Charlo	Drinking water treatment plant improvements
Village of Charlo	Relocation of community well
Village of Drummond	Installation of valves and water level indicators in drinking water wells
Village of Eel River Crossing	Improvements to the municipal pumping station
Village of Sainte-Anne-de-Madawaska	Installation of fire hydrants- Phase II
Village of Blacks Harbour	Drinking Water Improvements
Village of Doaktown	Pumphouse No. 1 - Chlorine and Flow Meter
Village of Dorchester	Water Street Lift Station Pumps
Village of Plaster Rock	Scada System
Village of Plaster Rock	Weaver Pump House - Submersible Pump with Flow Meter
Village of Sussex Corner	Water System Reservoir
Town of Bouctouche	SCADA System renewal
Town of Lamèque	Connection of well #10
Town of Saint-Quentin	Improvements to drinking water supply source
City of Edmundston	Refurbishment of the Saint-Jacques drinking water supply

Wastewater

City of Saint John	Milford Drainage Basin - Balmoral Crescent Area - Storm Sewer
City of Saint John	Storm Water Management - Brentwood Area - High Pond "A" and "B"
City of Saint John	Westgate Park Drainage Basin - Drainage Channel Modifications
City of Saint John	Beach Crescent / Meadowbank Area - Sanitary System
Rural Community of Saint-André	Sewer line for chemin Olympique
Rural Community of Saint-André	Update of the chemin Moulin sewer pumping station
Town of Dalhousie	Forcemain Upgrade - Renfrew Street
Town of Dalhousie	Brunswick Street Phase I
Town of Dalhousie	Aeration System Phase II
Town of Hartland	Sanitary Sewer Extension
Town of Quispamsis	Cedar Grove Trunk Sewer

Wastewater (Cont'd)

Town of Quispamsis	Pettinghill Road Wastewater Pumping Station
Town of Saint Andrews	Detention Pond - Champlain Subdivision
Town of St. Stephen	Overflow Storm Sewer and Sanitary Sewer Renewal
Town of Woodstock	Wastewater Pumping Station (Whitetail Subdivision) - Phase II
Village of Bas-Caraquet	Installation of generators at sewer pumping stations
Village of Cap-Pelé	Update of sewer pumping station
Village of Charlo	Modification to the outlet of the UV treatment system
Village of Neguac	Storm sewer system - rue Fairisle
Village of Neguac	Repair of sanitary inspection sites
Village of Neguac	Equipment for wastewater treatment system
Village of Neguac	Storm sewer system - rue L. Allain
Village of Neguac	Sewer system - rue de la Mer
Village of Petit-Rocher	Construction of a new pumping station – North sector Phase 2
Village of Petit-Rocher	Sewer system - rue de la Mer
Village of Rivière-Verte	Replacement of sanitary sewer pipes
Village of Rogersville	Storm sewer system - rue des Plaines
Village of Rogersville	Refurbishment of artificial wetland and flow meter at pumping station
Village of Sainte-Anne-de-Madawaska	Refurbishment of pumping station
Village of Saint-François-de-Madawaska	New pumps for pumping station
Village of Saint-François-de-Madawaska	Refurbishment of sewer lines on rue Commerciale
Village of Bath	Storm Sewer and Street Reconstruction
Village of Doaktown	Lift Station Upgrades
Village of Harvey	Remediation of manhole infrastructure related to the sanitary sewer system
Village of Harvey	Upgrades to Storm Water Infrastructure
Village of McAdam	Construction of bypass structure for wastewater from pollution control plant
Village of Minto	Bury Exposed Sewer Pipe
Village of Norton	Sanitary Sewer Improvements
Village of Perth-Andover	Perth-Andover Flood Mitigation - Municipal Services Extension - Phase II
Village of Plaster Rock	Sewage Pumps
Village of Salisbury	Horsman Street Reconstruction - Phases 2 and 3
Village of Tide Head	Manhole Replacement
Town of Bouctouche	Extension of sanitary sewer and aqueduct.
Town of Bouctouche	Refurbishment of storm sewer on boulevard Irving
Town of Shippagan	Refurbishment of the sanitary sewer line - Boul. J.D.-Gauthier O.

Solid Waste

Rural Community of Upper Miramichi	Blue Bin Recycling
Village of Belledune	Waste Recycling Program

Community Energy Systems

Town of Dalhousie	Heat Pump - Town Hall, Fire Hall, Inch Arran Building
Town of Hampton	Former Kings County Court House Energy Retrofit
Village of Cap-Pelé	Installation of Geothermal System at municipal building
Village of Lac Baker	Heat pumps – Municipal building and fire station
Village of Sainte-Anne-de-Madawaska	Installation of a heating system
Village of Saint-François-de-Madawaska	Installation of a dehumidifier
Village of Saint-François-de-Madawaska	Roof insulation
Village of Canterbury	Energy improvements in Municipal Buildings (Phase 3)
Village of Chipman	Replace HVAC unit at Municipal Building serving the Call Centre

Community Energy Systems (Cont'd)

Village of Chipman	Chipman Library Rooftop HVAC Unit Replacement
Village of Grand Manan	Municipal Building - Energy Audit & Upgrades
Village of Hillsborough	Upgrade Furnace and Heating/Cooling Systems
Village of Petitcodiac	Replace Heaters in the Arena Bleacher Area
Village of Petitcodiac	Replace Heating and Air Conditioning System in Codiac Room

Productivity and Economic Growth

Local Roads and Bridges

City of Miramichi	Reconstruction of Airforce Crescent Phase II
City of Miramichi	Reconstruction of Victoria Avenue
Rural Community of Kedgwick	Rue Fraser
Town of Quispamsis	Trail Development
Town of Riverview	Pine Glen Road - Phase 3
Town of Riverview	Trites Road Reconstruction
Village of Atholville	Paving rue St-Louis
Village of Balmoral	Street paving
Village of Drummond	Reconstruction of sidewalks - Phase III
Village of Lac Baker	Resurfacing roads and replacing culverts
Village of Le Goulet	Resurfacing rue des Arbres
Village of Le Goulet	Repair and ditching of rue du Lac and rue Acadie
Village of Neguac	Flood control at the intersection of rue William Gay and Route 11
Village of Neguac	Storm water curbs and gutters
Village of Rogersville	Installation of sanitary sewer and street reconstruction – rue Ami
Village of Sainte-Anne-de-Madawaska	Replacement of sidewalks
Village of Sainte-Marie-Saint-Raphaël	Road works
Village of Saint-François-de-Madawaska	Paving rue Caron
Village of Saint-Louis de Kent	Improvements on rue Bellevue
Village of Bath	Sidewalk Extension & Storm Sewer Addition - Main Street
Village of Cambridge-Narrows	Knight Road - Asphalt Refurbishment/Repaving
Village of Doaktown	Road Upgrades
Village of Fredericton Junction	Sidewalks
Village of Hillsborough	Academy Street Sidewalk Installation - From Route 114 to Central Avenue
Village of Minto	Lighted Crosswalks, Signs and Poles
Village of Minto	Sidewalk Reconstruction
Village of Petitcodiac	Road Resurfacing
Village of Petitcodiac	Resurfacing on Old Post Road (Smith St. to Highway)
Village of Petitcodiac	Replace Sidewalk and Curb on Main Street
Village of Rexton	Sidewalk Installation
Village of Tracy	Street Improvements
Town of Lamèque	Peninsula cycling route
Town of Richibucto	Refurbishment - rue Main (route 134)
Town of Richibucto	Refurbishment - rue Acadie - Phase 1
Town of Shediac	Refurbishment - rue Pascal Poirier
Town of Shediac	Refurbishment - chemin Lino

Strong Cities and Communities

Sport

Rural Community of Beaubassin East	Playground improvements - Centre Culturel et Sportif de Cormier-Village
Rural Community of Kedgwick	Tennis courts
Rural Community of Upper Miramichi	Ball Field
Village of Canterbury	Upgrades to the Basketball Courts
Town of Beresford	Refurbishment of the community arena

Recreation

City of Campbellton	Memorial Civic Center - Interior Roof Repairs
Rural Community of Beaubassin East	Playground and parking improvements - Centre Saint-André-LeBlanc
Rural Community of Beaubassin East	Ecoparc Trail Improvements - Centre Culturel et Sportif de Cormier-Village
Town of Grand Falls	Golf Club Irrigation System Upgrade
Village of Belledune	Jacquet River Campground Retrofit
Village of Canterbury	Replace Recreation Buildings
Village of Chipman	Hamilton Baird Park Playground
Village of Minto	Washroom Facilities and Storage Area at Gilbert Park
Village of Petitcodiac	Swimming Pool Upgrades
Village of Petitcodiac	LED Lighting in Arena

Tourism

City of Campbellton	Infrastructure RV Resort - Phase II
Rural Community of Beaubassin East	Bird observation center

Cultural

Town of Woodstock	L.P. Fisher Library Expansion
Village of Petit-Rocher	Community room renovation

Capacity Building

Town of St. Stephen	Environmental Risk Assessment (CCME Strategy Compliance) Phase 2
Village of Balmoral	Infrastructure Plan
Village of Aroostook	Compliance to PSAB Standards
Village of Dorchester	Water Storage Tower Operating & Maintenance Manual
Town of Lamèque	Lagoon evaluation and planning

APPENDIX B: List of Completed Unincorporated Area Projects

By National Objective and Category

Clean Environment Objective

Water

Chemin des Huîtres Water Distribution
Town of Woodstock Water and Sanitary Sewer Infrastructure Extension

Wastewater

Victoria Corner Wastewater Treatment System Replacement
Spring Garden Wastewater Collection System
Village of Bas-Caraquet Infrastructure
Allardville Wastewater System Upgrade and Extension
Pont-Landry Wastewater Collection System

Strong Cities and Communities Objective

Recreation

Town of Woodstock Community Development – Community room in Carleton Civic Center
Station Wharf Marina Berth Expansion

Tourism

Saint John Port Authority – Cruise Terminal Enhancements

Cultural

Village of Saint-Antoine – Library Construction