



Maritime Provinces Water & Wastewater REPORT

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MESSAGE FROM THE CHAIR

By Rob Hamilton

Welcome to the dog days of summer! Over the past several weeks, our region has been enjoying a sunny and warm stretch of weather and I hope everyone has had an opportunity to enjoy it.

You may notice a couple of differences in this issue of the MPWWA quarterly newsletter; one being the appearance and the other being the month of it being sent out. After our April issue, we were informed our longtime provider was getting out of the business of producing newsletter-type productions.

We're pleased to have enlisted the services of Advocate Media to produce our quarterly newsletter and seminar-related literature. We're endeavoring to have the newsletter back on schedule for the October issue with the same informative water and wastewater related articles we've had in the past.

The MPWWA has enjoyed a successful first half in 2016, with many well-attended spring training workshops being staged and yet another successful annual training seminar. This seminar was highlighted by many informative breakout sessions, a trade show featuring 67 different suppliers, the comedic stylings of Lucien and our most profitable charity auction to date. Through some intense bidding on a great variety of items, the MPWWA membership were able to write a cheque in the amount of \$6,101.50 to the Community Autism Centre Inc. (CACI) for use in its various programs benefitting families dealing with children on the autistic spectrum.

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Rothesay's Sagamore Point wastewater lagoon will also be the site of the town's new treatment plant. Two other lagoons will be phased out as the new system is brought online. (Supplied Photo)

Phase one of Rothesay's wastewater treatment system under construction

By Joan LeBlanc

ROTHESAY, NB - The Town of Rothesay wants to be ahead of the curve. The town isn't waiting any longer to ensure it meets, and maybe

even exceeds, new wastewater treatment guidelines coming into effect across Canada.

To that end, the town is already undertaking construction of the first phase of its new treatment system. The entire project is estimated to cost between \$20 and \$25 million and will ser-

vices some 4,200 residences and a number of commercial businesses.

It has a completion date sometime in 2019, well ahead of the implementation of the new guidelines on Dec. 31, 2020.

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MESSAGE FROM THE CHAIR

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A special thanks go out to Gary Chew of Sansom Equipment Ltd. for the generous donation of a generator valued in excess of \$1,200. Thanks also to Mike Arenburg who generously donated his \$600 winnings from the Stay till the End Draw to add to the total.

During the event's banquet, along with members of the association who were recognized for their years of membership, it was my great pleasure to announce Jerry Villard as the 2016 recipient of the Art Bell Award. Over his many years on the executive, Jerry

has served as seminar chair on two occasions, occupied the position of secretary and is currently the vice chair of the MPWWA. He was an integral part of the creation of our annual charity and continues to be deeply involved with this. Congratulations Jerry, you are well deserving of this recognition!

At the 2016 conference, Jeff Jensen of Mueller Canada — a long serving commercial rep on the board of directors — stepped down due to an increase in responsibilities with Mueller, which he believed wouldn't allow him to carry out his board responsibilities in the manner he was used to. The MPWWA board of directors would like to express our gratitude to Jeff for all of his contributions to the board and association itself. We would like to welcome Melanie MacKinnon of Nuatlantic as a new commercial rep and look forward to her input and experience in the water and wastewater industries.

The 2017 MPWWA Training Seminar co-chairs, Craig Gerrior and Kevin Kelloway, are hard at work putting together the agenda for our annual event, being held Apr. 23 to 26 at the Marriott Harborfront Hotel in Halifax. The theme for the 2017 seminar is "Building System Safety – Operators Making it Work". A call for papers will be issued shortly and I encourage anyone interested in putting on a workshop reflective of this theme to contact Craig, Kevin or myself.

As a heads up to suppliers, there will be a comparable number of booths available to what was available in Saint John in 2016. In Saint John, 67 booths were available and they were sold out in less than two weeks, with an

additional 17 companies looking for booth space. The booths will be sold on a first come, first served basis so, as the expression goes, "if you snooze, you lose."

We truly wish we could accommodate all suppliers when it comes to the trade show, but we're hindered by hotel space limitations and have utilized all of the space available to us. Please keep a close eye on our website www.mpwwa.ca for further information.

As has been done in the past, the MPWWA as a training supplier organization will be offering a schedule of fall workshop topics designed to provide operators with courses both informative and assistive in the knowledgeable performance of our day-to-day responsibilities. Training coordinator Tim Henman is putting together a course list that will touch on all aspects of our industry: water treatment, wastewater treatment, collection and distribution. If you have any topics you believe would be beneficial to you or your co-workers, don't hesitate in giving him a shout. After having a successful spring session, we're hoping to follow that up with an equally successful fall roster.

Information on these workshops can be found by following the Training and Education link on our website www.mpwwa.ca.

Have a great summer and stay safe!!

*Rob Hamilton
Chair, MPWWA*

Money for local facilities

Projects in Enfield, Lantz among those getting federal dollars

EAST HANTS, NS – The Municipality of East Hants is among the communities reaping the reward of Prime Minister Justin Trudeau's federal infrastructure announcement in Bridgetown Aug. 16.

Trudeau announced \$116 million in federal investment for water and wastewater projects across Nova Scotia. The 73 wastewater and drinking water projects across the province received \$86 million, while the province is kicking in \$43 million with municipalities covering the rest.

That investment includes \$979,440 for the Enfield water transmission main installation, with the province kicking in \$489,720.

It also includes \$737,500 from the federal government for the Lantz water transmission main installation. The province's portion is \$368,750.

Both projects are anticipated to begin on Sept. 1, 2016.



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A new 10-year water supply and service agreement for the Town of Dalhousie has been reached with the New Brunswick government. The agreement contains an option to renew for a further period of five years. It ensures the town has access to and use of water from the Charlo River watershed for the purpose of supplying potable water to its residents and sufficient water to operate the town's water treatment plant. From left: Dalhousie Mayor Normand Pelletier and Post-Secondary Education, Training and Labour Minister Donald Arseneault, minister responsible for the Regional Development Corporation.

Dalhousie signs new water supply, service agreement

DALHOUSIE, NB – A new 10-year water supply and service agreement for the Town of Dalhousie has been reached with the New Brunswick government.

The agreement contains an option to renew for a further period of five years. It ensures the town has access to and use of water from the Charlo River watershed for the purpose of supplying potable water to its residents and sufficient water to operate the town's water treatment plant.

"The Town of Dalhousie is pleased that the agreement with the provincial government will secure water for the residents and for the operation of the water treatment plant," says town

mayor Normand Pelletier.

A service agreement has also been reached between the parties that sees the Town of Dalhousie provide some operational and maintenance services.

"This new agreement ensures the residents of Dalhousie have a reliable and stable water supply for years to come," says Post-Secondary Education, Training and Labour Minister Donald Arseneault, minister responsible for the Regional Development Corporation.

In 2009, the Regional Development Corporation acquired the Charlo Dam and a 14-kilometre water pipeline from Abitibi Bowater.

Phase one of Rothesay's wastewater treatment system under construction

continued from cover

"Currently Rothesay has three lagoons, two that are side-by-side at one site on the west end of town in Kennebecasis Park, and one at a central location," says Brett McLean, Rothesay's director of operations. "Phase one of the new project involves putting in all of the piping and pumping infrastructure to move the two western lagoons to the one central location, Sagamore Point, which will be the site of the wastewater treatment plant."

The project will entail the installation of some two kilometres of pipe for the sanitary force main, in addition to a pumping station at East Riverside-Kingshurst Park, says John Jarvis, town manager. Jarvis says new pumping stations will also be constructed at the Bill McGuire Centre, Tennis Court Road, Kennebecasis Park and Sagamore Point. Completion date for phase one is expected to be mid-summer 2017.

The current lagoons are more than sufficient for the people they serve, McLean says. In fact, he says, "Right now we have more capacity than we use."

Recreation, including various recreational events and activities, many of which are water-related, are important to the Town of Rothesay and its residents, and for that reason alone maintaining a clean environment is paramount.

"The Kennebecasis River is a big watershed. There are lots of other inputs into that watershed, as well as what goes into it from the town of Rothesay," Jarvis says. "The town council wants to do its part to keep the river clear. There's an active recreation entity here in Rothesay; many of our residents use the river for swimming and boating in summer and fishing in the wintertime, so the objective of the entire project is to create a higher quality effluent, which is better for the environment," Jarvis says.

With phase one now underway, the town is currently in the preliminary planning stages for phase two, which will include the decommissioning of the two smaller lagoons and construction of the wastewater treatment plant at the site of the new larger lagoon at Sagamore Point.

"What's important now is lining up the necessary funding for the second phase. A project of this size is more than our tax base can handle, so for something of this magnitude we rely on the three levels of funding," Jarvis says.

Phase one comes with a price tag of \$7.5

million, with the federal and provincial governments each kicking in one-third of the cost while the town of Rothesay is responsible for the remaining \$2.5 million.

Jarvis says one of the big challenges with the new system is the reduction of storm water running into the wastewater system.

"We'll be pumping materials for about seven kilometres and we only want to pump what we have to, so (storm water) is a consideration, something we're working on because we want to get the best return on our investment," he says.

"What's important now is lining up the necessary funding for the second phase. A project of this size is more than our tax base can handle."

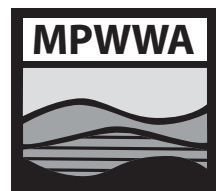
John Jarvis

With phase two planning currently ongoing, the town is still investigating the technology that will ultimately be employed in the new system.

"One of our main objectives is to go chemical-free as much as possible, so the process we've chosen at the pre-design phase for our eventual plan is a biological approach; scalable for size and extendable for treatment capacity, of course, in the future as other parameters may come online," McLean says. "We're only regulated for two parameters for discharge right now, BOD and SS, but there's the possibility of additional parameters being added."

McLean says in the future municipalities may also be required to monitor nitrogen and phosphorus levels.

"Certain technologies available in the marketplace today don't have the capability to control nitrogen and phosphorus levels in effluent. The technology we're looking at does have that capability."



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Newfoundland and Labrador investing more than \$150 Million in water, wastewater, transit



Judy Foote, federal minister of Public Services and Procurement, and Dwight Ball, premier of Newfoundland and Labrador, were in Bay Roberts to celebrate the signing of an agreement that will mean more than \$150 million in cost-shared municipal infrastructure projects moving forward this year. Foote made the announcement on behalf of Amarjeet Sohi, federal minister of Infrastructure and Communities.

BAY ROBERTS, NL – More than \$150 million in cost-shared municipal funding has been made available to communities in Newfoundland and Labrador to support water, wastewater and public transit systems, as the result of an agreement to implement the Public Transit Infrastructure Fund and the Clean Water and Wastewater Fund in the province.

The agreement provides more than \$140 million through the Clean Water and Wastewater Fund for water and sewer system improvements in communities throughout the province. Once complete, the projects will help ensure the people of Newfoundland and Labrador continue to enjoy clean, reliable drinking water while protecting the surrounding environment. Other investments under this program will support improvements to existing distribution and collection systems, and upgrades that promote community sustainability and growth.

“The Government of Newfoundland and Labrador is investing \$44 million as a part of our commitment to delivering safe, reliable drinking water to residents and properly managing wastewater and storm water systems,” says Dwight Ball, premier of Newfoundland and Labrador. “This is a part of (this) important joint announcement that further demonstrates what can be achieved when federal, provincial and municipal governments work together to improve the lives of our people and their communities.”

The federal government is contributing a total of \$75 million. The provincial government is contributing \$44 million and the remainder will be provided by the recipient municipalities.

The announcement was made in Bay Roberts by Ball and Judy Foote, federal minister of Public Services and Procurement (on behalf of Amarjeet Sohi, minister of Infrastructure and Communities).

“I’m pleased to see this announcement taking place in Bay Roberts,” says

Pam Parsons, MHA for Harbour Grace-Port de Grave. “The federal and provincial funding announced for the District of Harbour Grace-Port de Grave will go toward improving the quality of day-to-day life by completing upgrades to vital infrastructure. It’s great to see a joint federal-provincial commitment to improving community life.”

“The Government of Canada recognizes that strong partnerships with all orders of government are necessary to support infrastructure and create good, well-paying jobs for Canadians,” Foote says. “This agreement will allow communities across Newfoundland and Labrador to grow and prosper by providing them with funds to help address their specific infrastructure priorities.”

While encouraging job creation, these investments will help provide Newfoundlanders and Labradorians with clean, reliable water sources, and improved efficiency in public transit systems.

“Our government continues to work with our federal and municipal partners to identify priority municipal infrastructure projects and get the work started as early as possible. I’m very pleased to see more than 130 Clean Water and Wastewater Fund projects moving forward, as well as the improvements to public transit infrastructure in St. John’s and Corner Brook,” says Eddie Joyce, provincial minister of Municipal Affairs.

Through the Public Transit Infrastructure Fund, more than \$10 million will be provided to projects to make public transit services more accessible and efficient in the province. This will help support strong, inclusive communities that are well prepared to meet the economic and environmental challenges of the future.

To learn more about the Clean Water and Wastewater Fund, visit: www.infrastructure.gc.ca/plan/cwwf-fepeu-eng.html.

Quick facts

- More than \$150 million is being made available for water, wastewater and public transit projects in Newfoundland and Labrador through the federal-provincial Clean Water and Wastewater Fund and the Public Transit Infrastructure Fund.
- The agreement will provide Newfoundland and Labrador municipalities and public transit organizations with about \$75 million in federal funding over the next three years: \$70 million for clean water and wastewater treatment projects and nearly \$5 million for public transit projects.
- Combined with \$44 million from the provincial government and funding from municipalities, this

means more than \$150 million will go to infrastructure projects in the province.

- This funding is part of the first phase of Investing in Canada, the Government of Canada’s \$120 billion plan to support public infrastructure across the country over the next 10 years.
- Phase 1 of Investing in Canada will provide more than \$10 billion in immediate investments to support public transit systems, green infrastructure projects and social infrastructure projects. Details on Phase 2 of Investing in Canada will be announced over the next year.
- Under this agreement, the Government of Canada has made its funding retroactive to April 1, 2016, so projects can proceed without delay to ensure a productive construction season.

134 projects identified for funding to date

The Government of Canada is providing \$70,600,134 under the new Clean Water and Wastewater Fund for 134 projects to rehabilitate and improve community water and wastewater systems. The federal government will provide up to 50 per cent of the eligible project costs under this fund. The combined contribution of \$141,200,268 will go towards providing Newfoundlanders and Labradorians with clean reliable water sources.

As part of the bilateral agreement with Newfoundland and Labrador, here is an abridged listing of projects that have been approved to date for funding amounting to \$69,642,174. Projects will begin development work immediately. Additional projects will be identified in the coming weeks.

Corner Brook: Sanitary and storm sewer separation, \$1,133,543

St. John’s: Wastewater diversion to the Riverhead Wastewater Treatment Plant, \$1,586,961

St. John’s: Structural water main lining, \$2,720,504

St. John’s: Phase 1 of Goulds Pumping Station construction and force main repairs, \$3,944,731

St. John’s: Sanitary sewer lining, \$906,835

Hopedale: Water treatment and distribution system rehabilitation, \$232,376

Hopedale: Wastewater and storm sewer collection system rehabilitation, \$184,813

Makkovik: Makkovik spillway rehabilitation, \$271,914

Nain: Drinking water system upgrades, \$469,967

Postville: Water intake system extension, \$93,857

Deep Bight: Water system infrastructure upgrades, \$353,958

Dildo: Municipal water supply upgrades, \$184,994

Forrester’s Point: Water reservoir replacement, \$150,569

Freshwater: Plank Lane water distribution system rehabilitation, \$94,849

Gander Bay South: Potable water dispensing unit installation, \$173,432

Gander Bay South: Drinking water system extension, \$246,906

George’s Brook-Milton: Water main installation from George’s Brook to Milton, \$743,723

Georgetown: Bull Cove Pond project, \$149,913

Lodge Bay: Artesian well installation, \$61,149

Random Sound West: Queen’s Cove water distribution system upgrades, \$179,751

Arnold’s Cove: Water and sewer system upgrades, \$416,237

Badger: Trans-Canada highway water and sewer system upgrades, \$465,907

Bay de Verde: Main Road sanitary sewer expansion, \$664,480

Bay Roberts: Water and sewer system and lift station upgrades, \$1,713,011

Bishop’s Falls: Hampton’s Hill water tower replacement, \$429,741

Bishop’s Falls: Lift station upgrades, \$323,740

Bonavista: White Rock Road water and sewer system connection, \$453,417

Brent’s Cove: Water main insulation, chlorination system and house replacement, and Paddy’s Pond dam replacement, \$265,791

Burgeo: Phase 2, water main replacement, \$453,417

Campbellton: Water main installation, \$158,696

St. George: Water reservoir expansion, \$304,592

Carbonear: Water distribution system upgrades, \$820,685

Carmanville: Phase 2 of water and sewer system and lift station upgrades, \$453,417

Centreville-Wareham-Trinity: Trinity and Wareham lift station upgrades, \$157,122

Chance Cove: Artesian well system installation, \$168,793

Channel-Port aux Basques: Water treatment plant roof replacement, \$127,404

Channel-Port aux Basques: Caribou Road water main bypass installation, \$148,292

Charlottetown: Well system installation, \$179,218

Charlottetown: New phase of Pond Road water and sewer system installation, \$334,700

Clarke’s Beach: Anthony Road water and sewer system upgrades, \$146,450

Clarke’s Beach: Glam Road water and sewer system upgrades, \$116,280

Clarke’s Beach: Boyd Avenue water and sewer system upgrades, \$303,045

Come by Chance: Wastewater system upgrades, \$106,372

Comfort Cove-Newstead: Municipal water supply system upgrades, \$906,835

Conception Bay South: Water and sewer system upgrades, \$3,400,630

Cow Head: Manhole replacement, \$51,982

Englee: French Island water system upgrades, \$268,133

Fermeuse: Bear Cove Pond water system supply upgrades, \$616,031

Fermeuse: Sanitary sewer system upgrades, \$168,001

Ferryland: Top Road sanitary sewer system upgrades, \$152,620

Fortune: Snook’s Road water and sewer system extension, \$258,311

Fox Cove-Mortier: Phase 1 of water main installation, \$323,740

Projects identified for funding to date

continued from page 4

Gallants: Concrete dam and reservoir installation, \$184,994

Gander: Elizabeth Drive/Medcalf Street sanitary and storm sewer upgrades, \$294,721

Glenburnie-Birchy Head-Shoal Brook: Crouchers Brook water distribution system upgrades, \$257,541

Goose Cove East: Dam reconstruction, \$168,842

Grand Bank: Marine Drive water, sewer and storm system installation, \$409,238

Grand Falls-Windsor: Lincoln Road water and sewer system upgrades, \$770,810

Grand Falls-Windsor: Duggan Street trunk sanitary sewer system upgrades, \$680,126

Happy Adventure: Pressure booster pumping station replacement and upgrades, \$232,076

Happy Valley-Goose Bay: Water system upgrades, \$413,970

Happy Valley-Goose Bay: Sewer system upgrades, \$767,636

Harbour Main-Chapel's Cove-Lakeview: Maloney's River water intake system upgrades, \$92,962

Hawke's Bay: Water tower internal waterline replacement, \$124,816

Hawke's Bay: Lift station upgrades, \$94,195

Heart's Content: Chlorine booster station installation, \$75,023

Heart's Content: Screen chamber and intake upgrading for Southern Cove Pond Intake, Cove Road, \$87,221

Holyrood: Water supply system extension, \$605,312

Holyrood: Water distribution system upgrades, \$332,355

Old Perlican: Water pressure booster pump upgrades, \$141,366

Paradise: Sewage treatment plant upgrades, \$2,438,965

Parker's Cove: Sewer main system replacement, \$184,982

Parson's Pond: Sanitary sewer outfall system installation, \$264,951

Pasadena: Secondary water treatment plant upgrades, \$476,088

Pasadena: Five lift station upgrades, \$725,921

Petty Harbour-Maddox Cove: Long Run Road water main replacement, \$89,506

Placentia: Bond's Path forcemain replacement, \$136,025

Placentia: Dunville water service line replacement, \$924,971

Point Lance: Water system upgrades, \$68,057

Point Leamington: Water tank and pumping system installation, \$903,630

Port au Choix: Water storage tank replacement, \$255,609

Port au Port East: Water main replacement project, \$414,937

Port au Port West-Aguathuna-Felix Cove: Water main upgrades, \$157,810

Port Hope Simpson: Notley's Drive water and sewer system installation, \$435,179

Portugal Cove-St. Philips: Wastewater treatment plant upgrades, \$82,851

Portugal Cove-St. Philips: Household water meter installation, \$680,126

Riverhead: Water system upgrades, \$238,485

Robert's Arm: Water supply system upgrades, \$152,053

Blacks Harbour council concerned about damage to pumps

By Barb Rayner

BLACK'S HARBOUR, NB – Someone in the Deadman's Harbour area of Blacks Harbour, New Brunswick is causing major problems for the village's public works crew by flushing mop strands down the toilet, which are getting caught in the sewage pumps.

"It's a continual problem occurring monthly and sometimes bi-weekly. It's becoming costly," Mayor Terry James says.

The problem has been mentioned several times at village council meetings and she says it has been narrowed down to a limited number of houses.

She says the pumps have to be pulled out, fixed and then replaced and while this is done NB Power probably has to disconnect the power.

"It's a lengthy process. It has been reported in the newspaper a number of times as it has been an ongoing problem for quite a period of time now.

"I don't know what the options are to recover these costs. Perhaps council might have to consider putting a surcharge on these houses because we know the area that's impacted.

"We have appealed to the public on a number of occasions to be conscious of what goes in the toilet. Someone is probably washing floors with a mop and the strands are coming off and they're dumping the water in the toilet unaware these are going through the system."



Someone in the Deadman's Harbour area of Blacks Harbour, New Brunswick is flushing mop strands down the toilet on a regular basis. These strands are getting caught in the sewage pumps, necessitating costly repairs. (Submitted photo)

James says the village has sent out notices with water and sewer bills asking people to watch things going into the sewage system.

If the strands get through the main pump, James says they end up in the sewage lagoon and damage the aerators, which is a further cost.

By now, she says, someone must need a new mop with the amount of strings getting caught in the pumps. James says it's like going over a rope with a lawn mower.

"I want to stress we've had enough. We're going to have to find a way to recover these costs."

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Water, wastewater fund helping improve Maritimes' treatment facilities

By Katie Ingram

HALIFAX, NS – A new government funding program aimed at improving water and wastewater infrastructure across Canada is gaining a bit of steam in the Maritimes.

The Clean Water and Wastewater Fund (CWWF) was introduced as part of the 2016 federal budget in March. Overseen by the Department of Infrastructure, the government has allotted \$2 billion for projects that can be implemented over the next two years and wouldn't be completed without federal assistance.

"The program targets projects that will contribute to the rehabilitation of both water treatment and distribution infrastructure and existing wastewater and storm water treatment systems; collection and conveyance infrastructure; and initiatives that improve asset management, system optimization and planning for future upgrades to water and wastewater systems," says Jen Powroz, media relations with the Department of Infrastructure. "To get projects moving quickly, the Government of Canada will fund up to 50 per cent of eligible project costs."

Funding is determined on a per capita basis, in addition to the \$50 million already put forth by the federal government. Nova Scotia

has a total of \$86,869,027 in possible funding, Prince Edward Island has \$55,654,677 and New Brunswick has \$79,449,770.

The deadline was July 4 and one Maritime province has already been successful with its application. Prince Edward Island will receive \$16,425,938 in federal contributions to help with 20 different projects across the island. These include a distribution system upgrade in Cornwall, a water and sewer replacement for Summerside and treatment plant upgrades in Tignish.

"That's [the Tignish project] a million-plus dollar project with substantial environmental benefits," says Paula Biggar, Prince Edward Island's minister of Transportation, Infrastructure and Energy. "If Tignish were to try to fund that project alone they'd have real challenges and ultimately their ratepayers would suffer."

But, it's not just the smaller communities that will benefit.

"Even in the case of our largest community, Charlottetown, the CWWF is enabling critical work; the city draws all of its water from the Winter River watershed and as the city grows the viability of that watershed is under threat," Biggar says. "Some of the river's smaller tributaries have been reduced to a trickle in dry summers recently."

Prince Edward Island isn't the only place to have applied for funding. The Cape Breton Regional Municipality (CBRM) has also asked for assistance through the Nova Scotia government.

"We keep going back [to our infrastructure] and are basically putting Band-Aids on them to keep them together," says Greg Campbell, water systems engineer for CBRM. Campbell says the municipality pays a lot of money so residents can have treated water, but if the pipes are old and leaking then all of that effort and money goes to waste.

"If we can reduce the amount of treated water that's lost we can decrease operating costs, minimize our maintenance costs and have other kinds of benefits" he says. Even though Cape Breton hasn't heard back regarding its funding status, this doesn't mean the project hasn't been funded. Prince Edward Island only heard about its funding on Aug. 3, whereas both Manitoba and Newfoundland and Labrador heard in July.

"[Infrastructure and Communities] Minister [Amarjeet] Sohi is continuing to work closely with the remaining provinces and territories to sign the agreements that will allow funding to flow," Powroz says.

Still, whatever fund is allotted will be welcome in Maritime communities for other rea-

sons besides helping improve infrastructure. It will also provide provinces with more employment opportunities that can benefit independent contractors.

"We expect tenders for much of this work to be coming out in the next few weeks, though some has start dates in 2017," Biggar says. "I know our construction industry will be very eager to secure these jobs."

For more information on the Clean Water and Wastewater Fund visit: <http://www.infrastructure.gc.ca/plan/cwwf-fepeu-eng.html>

Sources:

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Gagetown to receive \$1.1 million storm drain system upgrade

GAGETOWN, NB – A \$1.1 million storm drain system upgrade is on its way to Gagetown thanks to the Small Communities Fund.

The project includes replacing all existing sub-surface storm drains in the downtown and main tourism area, building three larger storm water outlets and creating a diversion pond. Once complete, the infrastructure is expected to reduce the amount of properties at risk of flooding.

“We are pleased to work with our government partners to bring this important improvement to our community,” says Gagetown Mayor Mike Blaney. “The repairs will upgrade our storm drain system and will also help to revitalize the road going through the heart of our community, which will benefit our local businesses and create a more welcoming village centre for our residents and visitors.”

The provincial and federal governments and the Village of Gagetown are each contributing one-third of the total investment.

“This upgrade will redesign and replace the municipality’s storm drain system to reduce flooding and renew transportation infrastruc-

ture in the core of the village. The village and the province are working in partnership with the federal government to support the sustainability of this community and jobs,” says Memramcook-Tantramar MLA Bernard LeBlanc. LeBlanc attended the announcement on behalf of Environment and Local Government Minister Brian Kenny.

“The federal government is committed to building public infrastructure for the 21st century. Green infrastructure, such as clean drinking water, renewable energy and waste management systems, is critical to developing sustainable, livable communities. We’re proud to be investing in this project, which will have a positive and lasting impact on the quality of life for all Gagetown residents,” says New Brunswick Southwest MP Karen Ludwig. Ludwig attended the event on behalf of Amarjeet Sohi, federal minister of infrastructure and communities.

Under the Small Communities Fund, the provincial and federal governments are jointly investing about \$79 million in infrastructure during the next 10 years. Each project receives matching funding from the community for a total investment of more than \$118 million. This is the first round of investments under the fund.

Forty-three projects in New Brunswick communities will receive funding for these projects, which contribute to a cleaner environment and economic growth.

A \$1.1 million storm drain system upgrade has been announced for Gagetown under the Small Communities Fund. From left: Memramcook-Tantramar MLA Bernard LeBlanc, New Brunswick Southwest MP Karen Ludwig and Gagetown Mayor Mike Blaney.



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Dundee water, wastewater extension project creates jobs

EEL RIVER CROSSING, NB – Construction has begun on a major project to extend water and wastewater infrastructure in Eel River Crossing, which is creating more jobs for New Brunswickers.

The Gas Tax Fund project, estimated at more than \$3 million, involves extending the water and wastewater infrastructure from the old village limit to serve Dundee, which is now part of Eel River Crossing.

“The extension of these services addresses a pressing infrastructure need and represents a significant step forward in providing a sustainable future for the village and its residents,” says Eel River Crossing Mayor Denis Savoie.

New and extended wastewater collection services will be connected to the Dalhousie wastewater treatment facility and will be offered to more than 60 residences. The work is expected to be completed by this fall.

“We’re excited to see the construction begin on this large project,” says Restigouche West MLA Gilles LePage. “This is creating local jobs and ensuring effective wastewater disposal while



preserving the health and safety of residents and the environment for years to come.”

LePage attended the event for Environment and Local Government Minister Serge Rousselle.

The annual \$2 billion federal Gas Tax Fund provides predictable, long-term funding to help Canadian municipalities build and revitalize lo-

cal infrastructure while creating jobs and long-term prosperity.

Projects are chosen locally and prioritized according to the infrastructure needs of each community.

These projects improve communities, and the resulting jobs contribute to the local economy.

Construction work has begun on the Eel River Crossing-Dundee water and wastewater extension project. The project, valued at more than \$3 million, is putting New Brunswickers to work and enhancing essential services to residents. From left: Madawaska-Restigouche MP René Arseneault, Eel River Crossing Mayor Denis Savoie and Restigouche West MLA Gilles LePage.



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FOR ATLANTIC CANADA

P.E.I. unveils water, wastewater projects funded under new agreement

CHARLOTTETOWN, PE – Investing in local infrastructure helps ensure Canadians have safe water and wastewater systems they can rely on, and efficient and modern public transit systems so they can get to work on time and back home safely at the end of a long day.

A new bilateral agreement will make these types of investments a top priority in Prince Edward Island. H. Wade MacLauchlan, premier of Prince Edward Island, and Paula Biggar, provincial minister of Transportation, Infrastructure and Energy, recent met with Lawrence MacAulay, federal minister of Agriculture and Agri-Food (on behalf of Amarjeet Sohi, minister of Infrastructure and Communities) to sign the agreement that will make more than \$112 million in combined funding available under two new federal programs — the Clean Water and Wastewater Fund and the Public Transit Infrastructure Fund. Both are supported by provincial government infrastructure programs.

“Investments in clean, strategic infrastructure build stronger communities, grow our economy and protect our environment,” MacLauchlan says. “We’re pleased to partner with the federal government and Island communities to support key priorities that will encourage sustained prosperity for our province.”

The federal government is providing up to 50 per cent of funding for the projects supported through these programs. The provincial government and municipalities provide the balance of funding.

The agreement is part of Phase 1 of the 10-year Investing in Canada Plan, which will help lay the foundation for the longer-term federal investment strategy.

“We are very pleased to have reached an agreement for Prince Edward Island, done in solid partnership with the province, which will make \$112 million in funding available so that P.E.I. communities can address their infrastructure priorities, while helping grow the middle class with good, well-paying jobs,” MacAulay says.

Also announced was an initial list of 23 approved projects under the two new funding programs, including Tignish’s Sewage Treatment Plant upgrades, which will increase the existing facility’s capacity to treat wastewater and therefore better protect the environment. Transit upgrades in Charlottetown that will make public transit more inclusive across the city and improve commute times were also announced.



Premier Wade MacLauchlan signs new federal infrastructure funding programs agreement. From left, Egmont MP Robert Morrissey, Minister of Agriculture and Agri-Food Lawrence MacAulay, Premier MacLauchlan and Minister of Transportation, Infrastructure and Energy Paula Biggar. (Photo: Brian Simpson, provincial photographer)

Quick facts

- This funding is part of the first phase of Investing in Canada, the Government of Canada’s historic \$120 billion plan to support public infrastructure across the country over the next 10 years.
- Phase 1 of Investing in Canada provides \$11.9 billion in investments to support public transit systems, green infrastructure projects and social infrastructure projects. Details on Phase 2 of Investing in Canada will be announced over the next year.
- The funding available under Phase 1 will be provided through the Public Transit Infrastructure Fund and the Clean Water and Wastewater Fund, both of which will be managed through agreements between the Government of Canada and provincial and territorial governments.
- Under this agreement, the Government of Canada has made its funding retroactive to April 1, 2016 so projects can proceed without delay to ensure a productive construction season.
- Additional projects will be prioritized by the province for funding under each of these funds in the coming months.

23 projects approved under new agreement

Canada and Prince Edward Island have approved 23 community infrastructure projects, to date, under two new federal infrastructure programs, introduced as part of Phase 1 of the 10-year Investing in Canada Plan. The Clean Water and Wastewater Fund and the Public Transit Infrastructure Fund will address key infrastructure priorities with a focus on repairing and upgrading existing facilities and assets.

Additional projects will be prioritized by the province for funding under each of these funds in the coming months.

The Government of Canada is providing \$16,425,938 and Prince Edward Island is providing \$8,212,971 for 20 projects to rehabilitate and improve community water and wastewater systems across the province. Combined with provincial and municipal contributions, more than \$32,851,880 will be going toward providing Prince Edward Island families with clean, reliable water sources.

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IWT extending wastewater treatment beyond traditional facilities

By Cassandra Bernard

MONTAGUE, PE – Poorly functioning septic systems can be costly to replace in residential homes and near impossible to hook up to centralized wastewater treatment services if located in rural areas. Communities and organizations in Prince Edward Island and throughout Canada have been turning to Island Water Technologies Inc. (IWT) for their expertise and innovative next-generation wastewater treatment technologies.

IWT is an Island-based company that strives to have a long-term goal of developing self-powered, self-operating and smart wastewater treatment infrastructure. Founder Patrick Kiely says IWT offers technologies such as ClearPod, an enhanced septic solution, and REGEN, a self-powered system for remote military locations, all across Canada.

ClearPod, the residential system, is a drop-in, fixed film biological aerated filter retrofit solution that improves removal of BOD and TSS from domestic wastewater and restores the function of a poorly performing septic system.

“It’s specifically designed as a preventative solution that reduces the load on septic system leachfields, thereby extending the life of the installed system,” Kiely says.

ClearPod has some unique characteristics that make it particularly sought after by rural homeowners in Canada.

“It’s amazing how anyone with a septic system is so worried they’re sitting on a \$30,000 liability and fear the life may be running out on their leachfield,” Kiely says.

IWT clients are excited about the reduction of up to 85 per cent of the biological loading reaching the leachfield and how this leads to peace of mind, “...that they are extending the lifetime of the system,” Kiely says.

IWT has also created a system known as REGEN, specifically designed for remote mining operations, military installations, municipalities and disaster relief situations. These types of facilities across Canada have expressed the need for solutions to their wastewater issues. REGEN is a unique technology that provides significant advantages to the military in an energy efficient manner.

Kiely says this technology has a low energy footprint and can be completely powered by solar. It uses approximately 10 to 25 per cent of energy compared to a packaged MBR or MBBR system. Technologies such as REGEN allow for tactical and economical benefits to military bases due to the reduction in environmental footprint, waste and energy consumption.

REGEN not only provides environmental benefits to these facilities, but there’s also a reduction in the number of soldiers who could face harm by being required to provide logistical support. Self-powered systems allow for significant cost savings and a reduced risk of personnel hauling in fuel.

“This makes a big difference to remote military bases where the cost of fuel to power on-site generators is prohibitive,” Kiely says. “We have recently shipped a first commercial unit to the Canadian military and are now following up with a second order for export.”

IWT was founded in Montague, Prince Edward Island in 2013. An IWT testing base is located at Dalhousie University in Truro, Nova Scotia.



The residential ClearPod solution being installed on an existing treatment system.



The REGEN system is a self-contained, solar-powered wastewater treatment solution designed for remote municipalities, mining operations and military installations.

Petit-Rocher to receive more than \$530,000 in drinking water infrastructure improvements

PETIT-ROCHER, NB – An investment of more than \$530,000 in drinking water infrastructure is planned for Petit-Rocher thanks to a recent announcement made under the Small Communities Fund.

The project involves replacing the community's drinking water tank with a new steel reservoir and adding a disinfection system. Once completed, this work will help ensure residents have access to an ample supply of high-quality drinking water for years to come.

"This is an important initiative for Petit-Rocher and I'm pleased to see this project move forward," says Petit-Rocher Mayor Luc Desjardins. "By partnering with the federal and provincial governments to provide safe, clean drinking water, we're improving the lives of residents."

The provincial and federal governments are each investing up to \$532,713, which represents two-thirds of the estimated total cost of about \$1.6 million.

"Funding infrastructure for essential services such as clean, accessible drinking water is integral to supporting a community's capacity to grow and create jobs," says Restigouche-Chaleur MLA Daniel Guitard. Guitard attended the announcement for Environment and Local Government Minister Brian Kenny.

"The federal government has made unprecedented commitments to support public infrastructure across Canada. By working in partnership with every order of government, we will target smart infrastructure investments to produce long-term prosperity and strengthen communities. We're proud to be investing in this project, which will have a lasting positive impact on the quality of life of all Petit-Rocher residents," says Acadie-Bathurst MP Serge Cormier. Cormier attended the event for Amarjeet Sohi, the federal minister of infrastructure and communities.

Under the Small Communities Fund, the provincial and federal governments are jointly investing about \$85 million in infrastructure during the next 10 years. Each project receives matching funding from the community, for a total investment of more than \$118 million. This is the first round of investments under the fund.

A total of 43 projects in New Brunswick communities will receive funding for strategic infrastructure projects that contribute to both a cleaner environment and economic growth.



An investment of more than \$530,000 in drinking water infrastructure was announced for Petit-Rocher under the Small Communities Fund. From left: Restigouche-Chaleur MLA Daniel Guitard, Petit-Rocher Mayor Luc Desjardins and Acadie-Bathurst MP Serge Cormier.



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Saint-Léonard to receive \$480,000 in wastewater upgrades

SAINT-LÉONARD, NB – The provincial and federal governments and the Town of Saint-Léonard are making a combined investment of \$480,000 to upgrade the wastewater system in the community.

The investments are being made through the Small Communities Fund.

“This initiative will improve our wastewater system in Saint-Léonard and I’m pleased to see this project move forward,” says Saint-Léonard Mayor Carmel St-Amand. “By partnering with the federal and provincial governments, we’re able to make strategic investments that improve the lives of residents.”

The project involves repairing the sanitary sewers and installing storm sewers along Industrielle Street. This will reduce the flow of storm-water into the sanitary sewer system and decrease the burden on the wastewater treatment plant.

“I am pleased our government could provide one-third of the total funding for this important project, which will support the sustainability of this community and create jobs,” says Victoria-La Vallée MLA Chuck Chiasson. Chiasson attended the announcement for Environment and Local Government Minister Brian Kenny.

“The federal government is committed to building public infrastructure for the 21st century. Green infrastructure, such as clean drinking

water, renewable energy and waste management systems, is critical to developing sustainable, livable communities. We’re proud to be investing in this project, which will have a positive and lasting impact on the quality of life for all Saint-Léonard residents,” says Madawaska-Restigouche MP René Arseneault. Arseneault attended the event for Amarjeet Sohi, the federal minister of infrastructure and communities.

Under the Small Communities Fund, the provincial and federal governments are jointly investing about \$79 million in infrastructure during the next 10 years. Each project receives matching funding from the community, for a total investment of more than \$118 million. This is the first round of investments under the fund.

A total of 43 projects in New Brunswick communities will receive funding for strategic infrastructure projects that contribute to both a cleaner environment and economic growth.

The provincial and federal governments and the Town of Saint-Léonard are making a combined investment of \$480,000 to upgrade the wastewater system in the community. The investments are being made through the Small Communities Fund. From left: Victoria-La Vallée MLA Chuck Chiasson, Saint-Léonard Mayor Carmel St-Amand and Madawaska-Restigouche MP René Arseneault.



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