

July 14th, 2020



Town of Florenceville-Bristol
Environmental Public Awareness

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Introduction

Human influence on the climate system is clear, and recent anthropogenic emissions of green-house gases are the highest in history. Recent climate changes have had widespread impacts on human and natural systems. The Town of Florenceville-Bristol, New Brunswick, Canada, aims to reduce their local greenhouse gas emissions through a number of programs and actions also known as the Town of Florenceville-Bristol Climate Change & Energy Initiative (CCEI) plan. Outlined in CCEI are a number of programs and actions the Town of Florenceville-Bristol will take to reduce their local greenhouse gases. To further decrease the local greenhouse gas emissions, the Town of Florenceville-Bristol has identified potential funding programs and courses to be taken that will accelerate the reduction of greenhouse gas in the local area. The results are presented in this document.

There are five sections outlined in this report; individual, community, corporate, business, and networks. Individual programs are programs that individual can take to further decrease their own greenhouse gas emissions. Community programs are programs that can be completed in cooperation between the corporation of the Town of Florenceville-Bristol and the local community members. Corporate programs are programs that can be taken by the Town of Florenceville-Bristol for the reduction of greenhouse gas emissions. Business programs are programs that local businesses can take to grow and ensure future environmental sustainability. Finally, the networks are programs across New Brunswick that are free to join and can assist the Town of Florenceville-Bristol in the transition to a carbon reduced community.

Individual Programs



NB Power: Total Home Energy Savings Programs

Funding? Yes

Date website was updated: 2020

Date retrieved information: March 23, 2020

Link: <https://www.saveenergynb.ca/en/save-energy/residential/total-home-energy-savings-program/>

Target: Individual

Who would administer the program?

- The Government of New Brunswick runs the program in collaboration with NB Power.
- Town of Florenceville-Bristol

Instructions:

The goal of the Total Home Energy Savings Programs (THESP) is to lower energy bills, increase comfort at home, and help the environment through home improvement. THESP is a six step program created to help the environment and lower energy costs for homeowners by making their home more energy efficient. Individualized information is given at the second step. Improvements may involve minor or major upgrades to the house. Other monetary incentives, including savings on Mortgage Insurance Premiums, are also available and dependent on the home and mortgage type.

Eligibility:

Must be the homeowner of a habitable house. (Single-family homes, detached, side-by-side, or row homes are eligible).

How to Apply:

1. Register and submit an application online or over the phone.
2. A Certified Energy Advisor will conduct the Home Energy Evaluation, at a non refundable flat rate of \$99+HST. Initial EnerGuide rating is given. More detailed and personalised information is provided.
3. Review Homeowner Information Sheet and Renovation Upgrade Report. The detailed report provides prioritized recommendations to help you save energy and money as well as an EnerGuide label showing the energy footprint of your home. Choose the projects you would like to complete from your report.
4. Complete the energy savings upgrades within 9 months. Keep all receipts.
5. Complete final Energy Evaluation, Certified Energy Advisor will verify upgrades and update EnerGuide rating.
6. Receive Incentives.

Longevity:

- If you are planning more upgrades in the future you are encouraged to re-enroll in the Total Home Energy Savings Program.

NB Power: Low-Income Energy Savings Program (LIESP)

Funding? Yes

Date website was updated: 2020

Date retrieved information: March 23 2020

Link: <https://www.saveenergynb.ca/en/save-energy/residential/low-income-energy-savings-program/>

Target: Individual

Who would administer the program?

- The Government of New Brunswick runs the program in collaboration with NB Power.
- Town of Florenceville-Bristol in collaboration with NB Power.

Instructions:

The LIESP will assist low-income homeowners in New Brunswick to reduce their energy consumption and energy costs through targeted upgrades free of charge. NB Power selects a contractor and is sponsored by the Government of New Brunswick.

The LIESP is a 9 step program to help low income home owners make their home more energy efficient free of charge. Major and minor upgrades could be covered. Household income and need for energy efficiency upgrades will determine eligibility.

Improvements will fall under the following categories: Major Upgrades, Health and Safety Measures, and Low Cost Measures.

Limited participation, first served basis dependent on Major Upgrades required. The following steps must be completed in sequence; however, completion of one step does not guarantee that applicants will be moved on to the next step in the program.

Eligibility: Must be a low-income homeowner of a habitable house.

How to Apply:

1. Contact NB Power - To participate in the program, prospective homeowners must contact NB Power at 1-800-663-6272 and select option 5 to have their name registered on a wait list. Homeowners will undergo a pre-screening process using a series of eligibility questions
2. Eligibility Assessment - Homeowners who pass the pre-screening will be sent an Eligibility Form that they must complete and return to NB Power (within 20 days) along with proof of income eligibility.
3. Referral to the Contractor - Depending on their placement on the waitlist, homeowners who meet the eligibility criteria may have their name referred to a LIESP Contractor to schedule an Energy Evaluation. Three attempts will be made to contact the homeowner. Homeowners who cannot be reached or who cannot schedule an energy evaluation within 10 working days will have their name placed at the bottom of the participant list
4. Pre-Upgrade Energy Evaluation - An Energy Advisor (EA) will visit the home to conduct a Pre-Upgrade Energy Evaluation. To complete the evaluation the Energy Advisor will require access to all areas of the house, including the basement and attic. Homeowners must provide the Energy Advisor with access to the required areas of the home to be eligible to participate in the program. After completing the evaluation, the Energy Advisor will discuss potential Energy Efficiency Upgrades with the homeowner and will provide them with an overview of the type of upgrades for which they may be eligible.
5. Approval of Work by NB Power - Based on the recommendations of the Energy Advisor, the Contractor will submit a statement of work to NB Power for approval. NB Power will then review the upgrade recommendations, the project cost and estimated energy savings to determine which upgrades are feasible. NB Power reserves the right to not approve an upgrade recommendation if sufficient energy savings cannot be met to justify the cost.

6. Homeowner Consent - Once the Statement of Work has been approved by NB Power, the Contractor will meet with the homeowner to confirm which upgrades will be performed and discuss the timelines and expectations for the project. Homeowners must then review and sign the printed Statement of Work form to consent to the work and allow upgrades to begin.

Low Cost Measures will be installed at the time of the meeting to get the Homeowner's consent. Products will be selected at the discretion of the Energy Advisor.

7. Upgrades - Once the homeowner approves and signs off on the Statement of Work form, the Contractor will create a schedule and begin upgrades. Contractors will make every effort to ensure that there is minimum disruption to the homeowner, however - for health and safety reasons – depending on the type of work to be performed, homeowners may be required to find alternate accommodations for a short duration. Neither NB Power nor the Contractor will be responsible for any costs associated with the homeowner needing to vacate the home during this time. Any such disruptions will be discussed with the homeowner PRIOR to signing the Statement of Work form.

If while performing the upgrades the Contractor discovers or encounters unforeseen delays (such as previously undetectable structural issues) the Statement of Work may be revised and/or a stop work order issued. In the rare event that this may occur, the home will be restored to its previous state.

8. Post Upgrades Evaluation - Once the upgrades have been completed, the Contractor will send an Energy Advisor to conduct a Post-Upgrade Energy Evaluation. The homeowner will receive training on use, operation, and warranties of any new equipment (if applicable) and general tips and advice will be provided on how to maintain their home for optimum energy efficiency and energy savings. Other material on energy efficient behavior may also be provided.

9. Homeowner Sign Off - Once the upgrades have been finished and the post-upgrade energy evaluation and homeowner training have been completed, the homeowner will be asked to sign the printed Statement of Work - Closing Document indicating that the work has been performed to their satisfaction, that equipment is in working order and that they have received the required instructions (if applicable).

Notes: Current waitlist time is between 24 and 26 months.

Community



The Gaia Project

Funding? N/A

Date website was updated: 2020

Date retrieved information: March 23 2020

Link: <https://thegaiaproject.ca/en/>

Target: Community

Who would administer the program?

- The Gaia Project provides everything needed to run their program, anyone from the school may apply on behalf of their school.
- The school principal, teachers, or even a student organization.

Instructions:

The Gaia Project works with schools and teachers to hold courses at schools throughout the provinces. The goal is to educate youth on climate and energy issues, encourage and support students' environment action plans.

There are currently three different leveled programs.

Elementary Programs:

1. Trash Tracker is a one day hands-on program where the class audits one day of school waste and create a waste management plan for their school.
2. Energy Engineers introduces your students to terminology, mathematics and science-based principles related to energy production, transportation and use by humans

Middle School Programs:

- Energy Detectives provides the opportunity to measure the electricity needed to power various devices in and around the school by using meters and other hands-on tools.

High School Programs:

1. Electrify your Ride is an outdoor, experiential program exposing students to an electric vehicle. The class leaves the program with a new knowledge of electric vehicles and how the electrification of transportation can play an important role into the future of New Brunswick.
2. Sustainability in Action program is a multi visit program (3-5 weeks) that presents the opportunity to take a critical look at your school's current level of sustainability.

Eligibility: Must be an Elementary, Middle, or High School to participate. English or French.

How to Apply: Contact The Gaia Project through their website.

Longevity:

- To ensure the programs longevity, the school (teachers, students, etc) may build on the Gaia Project and continue to work towards Gaia goals or create their own.

Notes:

There are limited spaces available. The Gaia Project is always happy to help schools in anyway they can, they have created additional resources and worksheets for students that any one may use, including schools and parents. Schools may also consider starting a community garden or holding an environmental week.

Corporate



This Photo by Unknown Author is

Government of NB - Environmental Trust Fund (ETF)

Funding? Yes

Date website was updated: 2019

Date retrieved information: March 25 2020

Link: https://www2.gnb.ca/content/gnb/en/services/services_renderer.13136.Environmental_Trust_Fund.html

Target: Corporate

Who would administer the program?

- Town of Florenceville-Bristol

Instructions:

The Environmental Trust Fund provides funding for community projects with major goals relating to the Protection, Restoration, Conservation, Education, Beautification, and/or Sustainable Development of New Brunswick. The ETF reimburses actual costs up to, but not exceeding, the approved amount for eligible activities. Only those activities agreed to by the Trust Fund are considered eligible activities. The Letter of Offer sent to successful applicants explains reimbursement, time frames and other procedures. It constitutes a contractual agreement between the successful proponent and the department.

All licenses and permits required to carry out your project must be obtained before the project begins. Funding approval does not exempt you from regulatory requirements.

Eligibility: Community groups who wish to undertake a project that falls under at least one of the following categories:

Protection - Under this category, projects contribute to the protection of essential ecological processes, biological diversity, and renewable and non-renewable resources in New Brunswick at an environmentally sustainable level. They foster stewardship among residents for the province's ecological health and diversity, to benefit current and future generations. Projects have resulted in improved water quality, increased awareness of our natural areas and improved management of hazardous materials.

Restoration - Projects that enhance the quality and sustainability of New Brunswick's air, land and water resources. This, in turn, will reduce risks to human life, biological diversity, and property.

Sustainable Development - Activities that protect and enhance New Brunswick's resources and natural environment through the integration of economic, social and environmental objectives. The goal is to ensure our communities, and the resources we depend on for our existence, are sustained over time.

Conservation - These projects contribute to New Brunswick's environmental quality by conserving or promoting the conservation of our natural resources. They develop strategies and take actions to conserve natural and man-made materials.

Education - This category includes projects to develop, improve or expand educational programs and support university research which address environmental issues and the principles of sustainable development. The goal is to increase environmental awareness among New Brunswickers, so we can all play a meaningful part in contributing to the quality of our environment.

Beautification - The Fund supports projects to maintain and enhance New Brunswick's visual environment.

How to Apply:

1. Fill in Contact Information
2. Write Executive Summary
3. Explain What/How/Why of the Project (and potential to be applied to future projects)
4. Submit with any additional documents that may be relating, including but not limited to maps, Priority Area Measures, and multiple year plans.

Longevity:

- The ETF may or may not fund projects of multiple years dependent on the first year results and future plans.

Notes:

The principle of "polluter pays" is followed in considering proposals. This means that the Fund will not provide assistance to restore environmental quality or undertake measures necessary to meet environmental standards when the responsible party can be held accountable.

Partners for Climate Protection

Funding? N/A

Date website was updated: 2020

Date retrieved information: March 26 2020

Link: <https://fcm.ca/en/programs/partners-climate-protection>

Target: Corporation

Who would administer the program?

- Town of Florenceville-Bristol

Instructions:

PCP helps communities act on climate change by reducing emissions in their municipality.

Reducing emissions can save money, improve air quality, create jobs, and improve the overall health of residents.

The PCP program guides municipalities through a five-step Milestone Framework to help take action on climate change by reducing emissions in the municipality. From creating an inventory to setting and reaching an emissions reduction target, each step moves the municipality closer to achieving that goal:

1. Milestone 1: Create a Baseline Emissions Inventory and Forecast
2. Milestone 2: Set Emissions Reduction Targets
3. Milestone 3: Develop a Local Action Plan
4. Milestone 4: Implement the Local Action Plan
5. Milestone 5: Monitor Progress and Report Results

Eligibility: Municipalities:

1. Move through the Milestone Framework within 10 years of joining
2. Report on progress at least once every two years, with our support
3. Email us if your contact information changes
4. Actively participate in program activities and share your experience with other network members

How to Apply:

1. Download and print this joining resolution, and have your council adopt and sign it. It clarifies the responsibilities and requirements of membership.
2. Appoint one staff member and one elected official to be your main PCP contacts. Let them know they are responsible for this file.
3. Email (or print and mail) your adopted council resolution, along with the staff member's and elected official's contact information to pcp@fcm.ca.

Longevity:

- PCP membership is free and gives you access to tools, case studies, and other informational resources, as well as support from the PCP Secretariat and our Regional Climate Advisors.

Green Municipal Fund: Community Efficiency Financing

Funding? Yes

Date website was updated: 2020

Date retrieved information: March 27 2020

Link: <https://fcm.ca/en/programs/green-municipal-fund/community-efficiency-financing>

Target: Corporation

Who would administer the program?

- Town of Florenceville-Bristol

Instructions:

The Green Municipal Fund helps municipalities deliver energy efficient financing programs for low-rise residential properties. Funding and learning resources can help your municipality achieve the following:

- Create, launch and expand innovative financing programs for residential energy projects.
- Reduce GHG emissions, create energy savings and contribute to climate adaptation, water conservation and health and safety outcomes
- Accelerate energy cost savings, improve housing affordability and keep the local economy moving
- Increase home comfort, health and quality of life for residents

Eligibility: Municipalities and their project partners. To be eligible for this call for proposals, your initiative must:

1. Provide financing and related services that help homeowners retrofit their homes for energy efficiency or install renewable energy. Programs with multiple benefits are preferred.
 - Address barriers homeowners face when undertaking energy retrofits
 - Provide proof-of-concept/replicable models that other municipalities can use to deliver
 - Engage a range of stakeholders
 - Demonstrate strong environmental, financial and social benefits, either directly to your community or through replication in other municipalities
2. Meet all of the prerequisites listed below:

For a municipality as a lead applicant:

- A community energy, sustainability or climate action plan, or similar, that identifies energy efficiency and renewable energy in the residential sector as a priority area for action
- A feasibility study, market study, business case or similar for launching or expanding your financing program
- A municipal program by-law or similar resolution, which authorizes the use of the specified financing mechanism in accordance with relevant provincial/territorial legislation
- A municipal council resolution or attestation from the city manager committing to capitalize or recapitalize the program
- Proof you have legal authority to pursue the proposed initiative (e.g., a letter from your Province/Territory or Legal Counsel)

For a project partner as a lead applicant:

- Same requirements as municipality as a lead applicant; plus a signed agreement between the partner organization and the participating municipality highlighting the contractual obligations of all parties

How to Apply:

1. Complete readiness survey
2. Eligible projects will be invited to submit an application by June 30th.

Longevity:

- Projects must be completed within four years from the date a contract is executed between the recipient and FCM.

Notes:

Up to \$10 million in loans and partial loan guarantees. Grants worth up to 50% of the loan amount. The maximum GMF contribution to any eligible program is up to 80% of eligible costs.

Green Municipal Fund: Retrofit of municipal facilities

Funding? Yes

Date website was updated: 2020

Date retrieved information: April 10 2020

Link: <https://fcm.ca/en/funding/capital-project-retrofit-municipal-facilities>

Target: Corporation

Who would administer the program?

- Town of Florenceville-Bristol

Instructions This funding helps Canadian cities and communities of all sizes use less energy, which reduces their greenhouse gas emissions (GHGs) and improves their air quality.

Your capital project must use a combination of energy efficient retrofits that together, reduce a municipal facility's energy consumption by 30% (minimum of 20% through energy efficiency and maximum of 10% through on-site, renewable energy).

Municipal facilities include administration buildings, police stations and fire halls, recreation centres and arenas, wastewater treatment plants, etc. Most of this funding goes to projects in municipally owned buildings, but a non-municipally owned building may be eligible if it is used mostly for municipal purposes.

Eligibility: All Canadian municipal governments

How to Apply:

1. Review the prerequisites and required supporting documents.
2. Review eligible and ineligible costs.
3. Ensure you have a detailed project budget in place.
4. Confirm that you are securing other funding sources for your project:
 - Sample Letter Confirming Consultation with Provincial/Territorial Government (a prerequisite for all applicants, except municipal governments in Quebec)
 - Sample Letter from Confirmed Funding Sources (required for each contributing organization, including the lead municipality)
5. Complete the initial review form.

Notes: Three options to choose from Study/Pilot/Capital

Green Municipal Fund: Waste diversion

Funding? Yes

Date website was updated: 2020

Date retrieved information: April 10 2020

Link: <https://fcm.ca/en/funding/gmf/capital-project-waste-diversion>

Target: Corporation

Who would administer the program?

- Town of Florenceville-Bristol

Instructions:

Projects for initiatives that divert at least 60% of municipal solid waste from your landfill, no matter how much you are already diverting (i.e., 0-59%). If your municipality has already achieved the 60% target, your project must move you beyond 60%. If you are from a remote community, your diversion project must target a diversion rate of 15% over your current baseline. This funding helps Canadian cities and communities of all sizes reduce, reuse and recycle material that would otherwise enter the waste stream.

Capital projects involving thermal treatment are only eligible for funding if your municipality has already achieved a total diversion rate of at least 60% with reduction, reuse, recycling or biological processes. That diversion rate does not apply to thermal treatment capital projects in remote communities. If you are from a remote community, your capital project must target a diversion rate of 15% over your current baseline.

If your municipality is responsible for institutional and commercial waste, you may include it in your capital project. Capital projects related to construction and expansion of landfill or those related solely to constructing transfer stations are not eligible.

Eligibility: All Canadian municipal governments

How to Apply:

1. Review the prerequisites and required supporting documents.
2. Review eligible and ineligible costs.
3. Ensure you have a detailed project budget in place.
4. Confirm that you are securing other funding sources for your project:
 - Sample Letter Confirming Consultation with Provincial/Territorial Government (a prerequisite for all applicants, except municipal governments in Quebec)
 - Sample Letter from Confirmed Funding Sources (required for each contributing organization, including the lead municipality)
5. Complete the initial review form.

Notes: Three options to choose from Study/Pilot/Capital

Green Municipal Fund: Reduce fossil fuel use in fleets

Funding? Yes

Date website was updated: 2020

Date retrieved information: April 10 2020

Link: <https://fcm.ca/en/funding/gmf/capital-project-reduce-fossil-fuel-use-fleets>

Target: Corporation

Who would administer the program?

- Town of Florenceville-Bristol

Instructions:

Combined loan and grant funding for capital projects that reduce or avoid fossil fuel use in any vehicle that delivers municipal services. This funding helps Canadian cities and communities of all sizes undertake environmental sustainability projects that reduce energy consumption/greenhouse gas emissions (GHGs) and improve their air quality.

Your capital project should reduce or avoid the use of fossil fuel in your municipal fleet.

All classes of vehicle are eligible for this funding. It applies to your fleet (i.e, all municipally owned vehicles such as police cruisers and fire trucks) and private vehicles that deliver a municipal services (e.g., waste management or leased vehicles).

Eligibility: All Canadian municipal governments

How to Apply:

1. Review the prerequisites and required supporting documents.
2. Review eligible and ineligible costs.
3. Ensure you have a detailed project budget in place.
4. Confirm that you are securing other funding sources for your project:
 - Sample Letter Confirming Consultation with Provincial/Territorial Government (a prerequisite for all applicants, except municipal governments in Quebec)
 - Sample Letter from Confirmed Funding Sources (required for each contributing organization, including the lead municipality)
5. Complete the initial review form.

Notes: Three options to choose from Study/Pilot/Capital

Green Municipal Fund: Water conservation

Funding? Yes

Date website was updated: 2020

Date retrieved information: April 10 2020

Link: <https://fcm.ca/en/funding/gmf/capital-project-water-conservation-community-project>

Target: Corporation

Who would administer the program?

- Town of Florenceville-Bristol

Instructions:

Projects of retrofit initiatives that reduce potable water use by at least 20% in a neighbourhood, facility or group of facilities. This funding helps Canadian cities and communities of all sizes promote water conservation.

This funding is for retrofit initiatives only. Your capital project must reduce potable water use by at least 20% in a neighbourhood, facility or group of facilities. We do not fund the purchase, installation, replacement or repair of water mains as a stand-alone initiative. We will fund those activities if they are part of a broader, more innovative initiative.

Eligibility: All Canadian municipal governments

How to Apply:

1. Review the prerequisites and required supporting documents.
2. Review eligible and ineligible costs.
3. Ensure you have a detailed project budget in place.
4. Confirm that you are securing other funding sources for your project:
 - Sample Letter Confirming Consultation with Provincial/Territorial Government (a prerequisite for all applicants, except municipal governments in Quebec)
 - Sample Letter from Confirmed Funding Sources (required for each contributing organization, including the lead municipality)
5. Complete the initial review form.

Notes: Three options to choose from Study/Pilot/Capital

Green Municipal Fund: Sustainable Affordable Housing

Funding? Yes

Date website was updated: 2020

Date retrieved information: March 27 2020

Link: <https://fcm.ca/en/programs/green-municipal-fund/sustainable-affordable-housing>

Target: Corporation

Who would administer the program?

- Town of Florenceville-Bristol

Instructions:

The GMF initiative offers support to local affordable housing providers – including municipal, not-for-profit organizations and housing co-ops – to retrofit existing affordable housing units, or construct energy efficient new builds that emit lower GHG emissions.

Eligibility: Municipalities

How to Apply: See GMF website for updates. Applications open May 15th.

Business



Green Municipal Fund: Sustainable Affordable Housing

Funding? Yes

Date website was updated: 2020

Date retrieved information: March 27 2020

Link: <https://fcm.ca/en/programs/green-municipal-fund/sustainable-affordable-housing>

Target: Business

Who would administer the program?

- Not for profit organizations

Instructions:

The GMF initiative offers support to local affordable housing providers – including municipal, not-for-profit organizations and housing co-ops – to retrofit existing affordable housing units, or construct energy efficient new builds that emit lower GHG emissions.

Eligibility: Not for profit organizations

How to Apply: See GMF website for updates. Applications open May 15th.

Government of NB - Environmental Trust Fund (ETF)

Funding? Yes

Date website was updated: 2019

Date retrieved information: March 25 2020

Link: https://www2.gnb.ca/content/gnb/en/services/services_renderer.13136.Environmental_Trust_Fund.html

Target: Corporate

Who would administer the program?

- Not for profit organizations

Instructions:

The Environmental Trust Fund provides funding for community projects with major goals relating to the Protection, Restoration, Conservation, Education, Beautification, and/or Sustainable Development of New Brunswick. The ETF reimburses actual costs up to, but not exceeding, the approved amount for eligible activities. Only those activities agreed to by the Trust Fund are considered eligible activities. The Letter of Offer sent to successful applicants explains reimbursement, time frames and other procedures. It constitutes a contractual agreement between the successful proponent and the department.

All licenses and permits required to carry out your project must be obtained before the project begins. Funding approval does not exempt you from regulatory requirements.

Eligibility: Community groups who wish to undertake a project that falls under at least one of the following categories:

Protection - Under this category, projects contribute to the protection of essential ecological processes, biological diversity, and renewable and non-renewable resources in New Brunswick at an environmentally sustainable level. They foster stewardship among residents for the province's ecological health and diversity, to benefit current and future generations. Projects have resulted in improved water quality, increased awareness of our natural areas and improved management of hazardous materials.

Restoration - Projects that enhance the quality and sustainability of New Brunswick's air, land and water resources. This, in turn, will reduce risks to human life, biological diversity, and property.

Sustainable Development - Activities that protect and enhance New Brunswick's resources and natural environment through the integration of economic, social and environmental objectives. The goal is to ensure our communities, and the resources we depend on for our existence, are sustained over time.

Conservation - These projects contribute to New Brunswick's environmental quality by conserving or promoting the conservation of our natural resources. They develop strategies and take actions to conserve natural and man-made materials.

Education - This category includes projects to develop, improve or expand educational programs and support university research which address environmental issues and the principles of sustainable development. The goal is to increase environmental awareness among New Brunswickers, so we can all play a meaningful part in contributing to the quality of our environment.

Beautification - The Fund supports projects to maintain and enhance New Brunswick's visual environment.

How to Apply:

5. Fill in Contact Information
6. Write Executive Summary
7. Explain What/How/Why of the Project (and potential to be applied to future projects)
8. Submit with any additional documents that may be relating, including but not limited to maps, Priority Area Measures, and multiple year plans.

Longevity:

- The ETF may or may not fund projects of multiple years dependent on the first year results and future plans.

Notes:

The principle of "polluter pays" is followed in considering proposals. This means that the Fund will not provide assistance to restore environmental quality or undertake measures necessary to meet environmental standards when the responsible party can be held accountable.

NB Power: Community Outreach Program

Funding? N/A

Date website was updated: 2019

Date retrieved information: March 25 2020

Link: <https://www.saveenergynb.ca/en/save-energy/residential/community-outreach-program/>

Target: Business

Who would administer the program?

- Not for profit organizations

Instructions:

The COP provides Energy Efficiency Kits and training not for profit organizations that work with underserved populations. They provide energy efficiency lights bulbs, water efficient showerheads, faucet aerator, and water heater pipe wraps to low income households to help low income people save money on energy bills and the environment.

Eligibility: Not-for-profit organization that work with an underserved population, perhaps the Royal Canadian Legion branch in Florenceville-Bristol.

How to Apply: Email or call the program coordinator.

Notes: Free of charge.

QUEST: Smart Energy Community

Funding? N/A

Date website was updated: 2020

Date retrieved information: March 28 2020

Link: <https://questcanada.org/>

Target: Business

Who would administer the program?

- Businesses

Instructions:

QUEST is a national non-government organization that works to accelerate the adoption of efficient and integrated community-scale energy systems in Canada by informing, inspiring, and connecting decision-makers. The organization commissions research, communicates best practices, convenes government, utility, and private-sector leaders, and works directly with local authorities to implement on-the-ground solutions. QUEST recognizes communities that have embraced these principles by referring to them as Smart Energy Communities.

A Smart Energy Community seamlessly integrates local, renewable, and conventional energy sources to efficiently, cleanly, and affordably meet its energy needs. It is a coveted, highly livable place to live, work, learn, and play. Quest provides advice, resources, and connections for businesses and communities wanting to take a big part in being environmentally friendly.

Eligibility: Any Business.

How to Apply:

Choose one of four subscription plans.

1. Basic - \$1500 – Participation in 1 Working Group
2. Expansion - \$3000 – Participation in 2 Working Groups
3. Ultimate - \$5000 – Participation in unlimited Working Groups and 1 Smart Energy Leaders' Dialogue
4. Plus – Customized plan. Contact for more info.

All Plans include recognition as a Smart Energy Community leader on the QUEST website as a Subscriber.

EDC: Corporate sustainability and responsibility

Funding? N/A

Date website was updated:

Date retrieved information: March 28 2020

Link: <https://www.edc.ca/en/about-us/corporate/corporate-sustainability-responsibility.html>

Target: Business

Who would administer the program?

- Businesses

Instructions:

EDC's goal is to help Canadian companies become internationally recognized as leaders in sustainability and responsibility, giving them the competitive advantage they need to succeed. EDC's commitment to corporate social responsibility is focused on ensuring our operations protect the environment and people, conducting our business with the highest level of integrity, building a supportive and inclusive workplace, and contributing to the communities where we live and work. Our entire organization is focused on these four priority areas with clear measures to track our progress. And to make sure we stay at the forefront of CSR practices, an advisory council of prominent Canadian experts in the fields of human rights, corruption and climate change provides us with advice and guidance.

How to Apply: Contact Export Development Canada (EDC).

Sustainable Development Technology Canada

Funding? Yes

Date website was updated: 2020

Date retrieved information: April 8 2020

Link: <https://www.sdte.ca/en/#>

Target: Business

Who would administer the program?

- Businesses

Instructions:

SDTC provides funding to promising clean technology development and demonstration projects (i.e., when the technology itself is beyond proof-of-concept but is still pre-commercial). The technology must demonstrate the potential for GHG emissions reductions, reductions in water consumption, and/or the reduction of water, soil or air contamination. The project must include some further development of the technology, mitigate existing technology risk and include validation of the economic viability of the technology.

Eligibility:

We do this by providing non-repayable contributions to successful applicants. To be eligible for funding, applicants must:

- Be a Canadian company developing a new and novel technology with significant and quantifiable environmental benefits that will provide a significant retained Canadian benefit following execution of the project.
- Have a defined project and be looking to demonstrate a pre-commercial technology.
- Have a strong end-user, value proposition and be able to validate the market and commercialization potential of the technology.
- Form a consortium that includes at least one other partner

How to Apply:

1. Phase One: Application

- Review SDTC's eligibility and evaluation criteria to see if your project aligns. Please contact applications@sdtc.ca with any questions.
- Download the application template here. Complete and upload to the new applications portal here. If you would like to see a sample of a compelling application you can do so here.
- A team of internal SDTC experts will review your application to determine eligibility.
- If an initial review shows that the project may meet SDTC criteria, you may be invited to make a presentation by video conferencing.

2. Phase Two: Due Diligence

- If your project aligns with our criteria, you will be asked to submit a detailed proposal via our online portal.
- The SDTC Project Review Committee will review your project.
- All recommended projects are presented to the SDTC Board for approval.

3. Phase Three: Funding Approved

- If your project is approved, SDTC will assign a Project Manager to prepare a Contribution Agreement to advance the project.

Longevity:

- For each of five years post-project completion, SDTC requires recipients to complete an annual questionnaire so that we can track your success in moving your technology to market. The questionnaire focuses on sales, revenues, jobs created and other commercial activities.

Notes:

SDTC allows up to a maximum of 75% government funding (from any level) for a project. SDTC typically funds 33% of total project costs and requires a minimum of 25% private funding, which can include in-kind contributions from consortium partners. The balance of project costs can be funded by other government agencies.

Networks



Networks:

Biodiversity Collaborative - The Biodiversity Collaborative is a network of different professions, citizens, groups, governments, and businesses that work together to create awareness and build public interest in the educating and preserving of New Brunswick's biodiversity.

New Brunswick Children's Environmental Health Collaborative - The goal of the CEHC is to provide a clean and healthy environment for the children of New Brunswick through education and action plans. There are 6 goals that guide the network's work.

Climate Change Adaptation Collaborative - The Climate Change Adaptation Collaborative brings together municipal leaders, regional planners, provincial and federal government representatives, non-profit groups, researchers and academics, industry representatives, and others to advance and mainstream climate change adaptation across sectors.

Crown Lands Network - Crown Land, which is held in public trust by the province for the benefit of the public. Member groups of the Crown Lands Network are working to ensure conservation of New Brunswick rivers, wildlife, and forest ecosystems by encouraging approaches to forest management that will conserve the native biodiversity on New Brunswick Crown lands. Through the Crown Lands Network they share information and work together on projects of common interest.

Environmental Rights Caucus - The Environmental Rights Caucus brings groups together to work towards the establishment of an Environmental Bill of Rights in New Brunswick.

Great Minds Think Outside - Great Minds Think Outside is a bilingual hands-on, curriculum-linked, outdoor professional development program that gives educators the skills and resources they need to teach their students outside-whatever the subject matter. Great Minds feeds creativity, improves well-being, stimulates appreciation for nature and encourages environmental stewardship through innovative outdoor learning.

Green Economy New Brunswick - Leading organizations are responding by reducing their environmental impacts, building sustainability into their operations, and forming partnerships to have greater impact than they could alone. To accelerate the low-carbon transition, businesses of all sectors and sizes can be part of the solution. The provincial Hub will provide a variety of tools and resources, peer learning events, 1:1 support, and public recognition to help businesses succeed in taking action on climate change while saving money, engaging their employees, and building their profile as Green Economy Leaders.

Just Transition Caucus - The Just Transition Caucus brings groups together to work towards a low-carbon New Brunswick through advocacy, engagement of communities and municipalities, public education and collaboration with allies in labour groups and indigenous groups.

Sustainability Education Alliance of New Brunswick - Connecting organizations, agencies and individuals throughout New Brunswick who want to work together in moving towards a culture of sustainability education. Part of the United Nations Global Action Program (GAP) on Education for Sustainable Development (ESD)

Watershed Caucus - Representing almost 30 groups from across the province, the N.B. Watershed Caucus is a forum for watershed conservation organizations across New Brunswick to share experiences, information, and techniques. The objective is to foster sustainable partnerships and build capacity for watershed groups across New Brunswick through effective networking and communication.

Youth Environmental Network - Inspired by the global youth climate movement, young people in New Brunswick have started mobilizing for action on climate change. In April 2019, the NBEN hosted an initial meeting with youth across the province to explore the idea of working together on the climate crisis and they have been active ever since.

Freshwater Protection - CCNB's Freshwater Protection Program has been developed to research smart and effective water policies in the face of increasing societal demand and climate change. The aim of our Freshwater Program is to advance holistic watershed management of our water resources – including protection of critical ecological services – and foster significant citizen engagement in this management process.

Forest Conservation - The Acadian forest has been listed as one of six endangered forests in North America. New Brunswick makes up a large portion of the Acadian forest. Ensuring that the Acadian forest is properly managed here in New Brunswick is key to maintaining this unique forest region. Begin by discovering the Acadian forest, find out why it is endangered, and learn how you can help protect this precious resource.

Forest management must consider first and foremost adequate habitat for wildlife, protection for streams and rivers, climate change impacts and forest diversity in terms of age and species. New Brunswickers have repeatedly expressed a desire for changes in the way our Crown forest is managed. The people of the province want to save animal populations decimated by overcutting, stop the damage to our rivers and lakes, and diversify our forest-based economy.

Marine Conservation - Since the establishment of its Marine Program in 1990, the Conservation Council of New Brunswick has remained the leading authority on healthy ecosystems in the Bay of Fundy and marine environments along the coast of New Brunswick and into the Gulf of Maine.

The Conservation Council was the first to raise widespread awareness among citizens, other environmental organizations, and government institutions to the threats of pollution and other challenges facing the region's marine habitats, and through the continuous, focused attention of its Marine Program, has been key to advancing solutions and superior pollution controls for the past 25 years.

Fundy Baykeeper - The Fundy Baykeeper works for the Conservation Council to defend the public's right to a healthy Bay of Fundy. This right is inherent in laws written to protect the marine environment and the species that inhabit it. The Fundy Baykeeper's top priority is to make sure environmental laws are enforced.

Climate and Energy Solutions - A new report from the Conservation Council of New Brunswick offers provincial politicians, environmental policy makers, and citizens a bold vision for New Brunswick. The three-part plan covers electricity, provincial investments, and government policies required to reduce greenhouse gas emissions while keeping bills low and creating jobs for New Brunswickers.

The Conservation Council's "Climate Action Plan for New Brunswick" proposes to reduce these emissions through investments to retrofit our buildings, starting with social and low-income housing; expanding efforts to install renewable energy like solar and wind; and accelerating installation of the Energy Internet (Smart Grid telecommunications) to manage a more distributed electricity load. These investments would help NB Power phase coal out of electricity production over the next 15 years. The Conservation Council's plan also proposes creating incentives to help New Brunswickers buy electric and energy efficient vehicles and trucks as Ontario and Quebec have done, and modernizing industry and manufacturing to cut waste and pollution.

Buy Local - BuyLocalNB continues to build up a network of local businesses and connect them with customers. "The more food we source locally, the less it has to travel which reduces greenhouse gas emissions and your carbon footprint. Food purchased and produced in New Brunswick also helps to stimulate our local economy and contribute to better food security."

Town of Florenceville-Bristol Potential Corporate Programs



Town of Florenceville-Bristol Potential Corporate Programs

Oil Tanks – Switch from oil heating to electric heat. *GMF Retrofit of municipal facilities

Arena – New insulation. *GMF Retrofit of municipal facilities

Outdoor Swimming Pool – New solar heaters. *GMF Retrofit of municipal facilities

Windows – Energy efficient windows. *GMF Retrofit of municipal facilities

Streetlights – Replace bulbs with more energy efficient ones.

Water Pumps – Installing low flush toilets. GMF* Water conservation

Vehicle Fuel Consumption – Convert current fleets to more fuel efficient ones. *GMF Reduce fossil fuel use in fleets

Solid Waste – Increasing the recycling program and reducing waster on the corporate level.

*GMF Waste diversion

Town of Florenceville-Bristol Potential Community Programs

Homes - NB Power: Total Home Energy Savings Programs. NB Power: Low-Income Energy Savings Program (LIESP), NB Power: Community Outreach Program, Green Municipal Fund: Community Efficiency Financing, Green Municipal Fund: Sustainable Affordable Housing

Vehicle Fuel Consumption - *Potentially ETF in combination with Public Education

Public Education - The Gaia Project, Environmental Trust Fund (ETF), Great Minds Think Outside, Buy Local, *see Networks for more ideas

Solid Waste - *Potentially ETF in combination with public Education or the GMF Waste diversion

Conclusion

The Town of Florenceville-Bristol has taken appropriate steps for the creation, recommendation and implementation of climate action plan. With this supporting document, the Town of Florenceville-Bristol will decrease local greenhouse gasses meeting their targets of reducing their corporation GHG emission levels by 25% of 2017 level and their community GHG emissions by 10% of 2017 by 2027.