

Local Climate Action Plan

City of Corner Brook





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Executive Summary-Committed to a Sustainable Corner Brook

It is widely accepted that human beings are causing the Earth's climate to change, and that climate change is hurting our health, economy, security, and environment. Leaders, businesses, and citizens all have a role to play in fighting climate change.

The City of Corner Brook is committed to becoming a sustainable community. This Local Action Plan was made with the input of the community, and City staff, with the goal of outlining our steps for fighting climate change. We have made many eager commitments which show our drive to help our environment, and in turn enhance the lives of our citizens.

The Local Action Plan is the product of Milestone Three from our commitment to the Partners for Climate Protection (PCP) guide for communities. The PCP guide helps communities like ours change their actions and fight climate change. Our goal is to lower the City's corporate pollution emissions by 20%, and the entire community's emissions by 6%.

This plan will serve as a blueprint for council and staff as they work towards our goal of making Corner Brook a sustainable City. It will help us scale back our emissions, protect our environment, and raise the quality of life of our residents.

The Goals

Goal 1: Become a greener and more sustainable city

Goal 2: Enhance knowledge and understanding of climate change

Goal 3: Conduct City operations with the target of improving energy efficiency and reducing GHG emissions

Goal 4: Engagement and Community Action: Create a partnership between the City of Corner Brook, Industry Commercial Groups, and Citizens

Goal 5: A collaborative effort of mitigating climate change through reductions in greenhouse gas



Message from the Mayor-Jim Parsons

The City of Corner Brook is recognized for its strong connection to the natural environment in which it exists. Surrounded by a beautiful boreal forest and mountainous terrain that slopes into the historic Bay of Islands, the very fabric of the City is rooted in all that nature provides us.

Embracing this close relationship with nature, it is incumbent upon all of us to be good stewards

of the environment by doing all that we can to ensure a sustainable future, not only for those who live here today, but also for the many generations to come.

The City of Corner Brook is committed to incorporating climate change actions into its daily operations that will help lead the community on a path to a more environmentally

sustainable future. We recognize that collaboration with all citizens and special interest groups is critical if we are to meet the challenges ahead. By working together we can improve the quality of life through best practices in sustainability.

I commend past and current Councillors for creating an environment where the relationship between environmental, cultural, social and economic prosperity have considerable

implications on the work that we do.

In partnership with the Federation of Canadian Municipalities (FCM), most major Canadian cities have developed policies and programs to conserve energy to reduce greenhouse gas (GHG) emissions.

As a City we are pleased to introduce the Local Action Plan for Corner Brook. I am confident that our community will rise to the global challenge to build on the progress that has been made to mitigate harmful effects of climate change.

Our actions on climate change will have co-benefits to our neighboring communities, the province, country and world. Some of these benefits include a greener place to live, safe and secure energy, waste reduction, improved lifestyles, a stronger economy, and sustainable forests & food. (West, J. et al, 2013)

This report includes a vision for our community-based initiative for a 20% reduction in GHG emissions below 2008 baseline levels for municipal operations, and a 6% reduction in GHG emissions below baseline levels for the community within 10 years, even when factoring in our projected growth. We have made considerable progress towards achieving these goals, and will continue to work diligently to meet our targets.

If we act together, we can become the most sustainable City in Canada.

“It is a simple fact of life on earth that there is going to be no successful mitigation of the climate change problem without a truly global effort. All developing companies [and] all major developing countries have to be part of that [effort] and accept substantial constraints on greenhouse gas emissions.”

Ross Garnaut



Corner Brook Community Profile



Corner Brook is located on the western shores of Newfoundland near the headwaters of the Bay of Islands. With a spectacular combination of ocean and mountain scenery, four seasons offering distinct experiences, and friendly people, Corner Brook is known around the world as both a popular tourist attraction and one of the best places to live, work, and carry out business.

First surveyed by renowned explorer Captain James Cook in 1767, the region is surrounded by some of the most unique and stunning scenery in the world. Originally supporting small fishing and logging populations, the area was formally developed after the opening of the paper mill in 1925.

Trails in Corner Brook

Corner Brook is host to many walking, hiking, biking, skiing, ATV, and snowmobile trails. Whether winding through town on the Stream and Gorge Trail system, or hiking/biking the scenic multi-use Ginger Route and Curry Trail, there is no shortage of opportunities for outdoor recreation right in the heart of the City.



Cultural Heritage

Corner Brook boasts a significant and diverse cultural heritage. First nations are celebrated in the area with the Qualipu First Nations Band. Heritage plaques can be found throughout the City which highlight the unique history of Corner Brook. Interesting and exciting monuments can be found throughout the City, including the Remembrance Square Memorial and the Newfoundland Railway Monument.



Wetland Interpretation Site

In many places in Canada, nearly 70 % of wetland habitats have been destroyed. According to Duck's Unlimited, wetlands are key to the lifecycles of nearly 600 species of waterfowl and wildlife. In an effort to conserve wetland habitat, the Corner Brook Stream Development Corporation in partnership with Duck's Unlimited constructed a wetland's interpretation site



Salmon Ladder

For many years, salmon were unable to return to their original spawning grounds in the Corner Brook Stream due to the construction of the damn at the Glynmill Inn Pond. In 2002, a fish ladder was constructed and several organizations assisted with the release of fry into the stream, salmon are now returning to the Corner Brook Stream to spawn.



Captain Cooks Monument

While Captain James Cook is a historical figure throughout the world, his work on the West Coast of Newfoundland had great impact on the development of the region. In fact, Cook enhanced his surveying and cartographic skills in the Bay of Islands prior to proceeding to his work in the Pacific.



Stewardship Association of Municipalities

The City of Corner Brook, in partnership with the Stewardship Association of Municipalities, designated an environmental conservation area in November 2018. Found along the North Shore Highway near Wild Cove, the area holds sensitive habitat, and multiple species of rare and endangered flora.



Aligning with Corner Brook's Other Strategic Plans

While creating this Action Plan the following documents have been incorporated:

Integrated Municipal Sustainability Plan (IMSP)

The IMSP sets direction through policy for the overall planning design and development of the City of Corner Brook for the next ten years. The City of Corner Brook is planning for sustainable growth. Our City is one of the first municipalities in Atlantic Canada to incorporate Integrated Community Sustainable Planning (ICSP) measures into a municipal planning policy and regulatory framework to result in an Integrated Municipal Sustainability Plan (IMSP).

The Corporate Priorities Plan

The City of Corner Brook's Corporate Priorities Plan sets out the organization's highest priorities.

In 2016, Corner Brook's City Council, the City Manager, and Directors led the development of a new Corporate Priorities Plan.

Community groups and stakeholders played a key role in shaping the Corporate Priorities Plan. Residents and stakeholder groups were able to voice their opinions about the past, present, and future of Corner Brook and amendments were made accordingly. The Corporate Priorities Plan is congruent with the Action plan in the following areas:

- Climate Change Mitigation and Adaptation
- Sustainable Development
- Sports And Eco (Adventure) Tourism Development
- Water And Sewer Infrastructure Planning
- Water Conservation
- Water Forecasting
- Trail Management Plan
- Corporate Asset Management Plan
- Partnerships Framework
- Energy Efficient Buildings
- Population Growth Strategy
- Property Inventory Management
- Recreation Facility Study
- Leisure, Recreation Indoor and Open Space Local Plan



Vision: Climate Action Plan

Municipal Vision: A Sustainable, Healthy, Clean City for Current and Future Generations.

The City of Corner Brook can be a sustainable city in which people can live, work, and play. This requires strong vision and commitment to sustainability and solutions from the City of Corner Brook, and all levels of government, industry, corporate and public sectors.

This includes:

- Stewardship of the Environment
- Sustainable Urban Development
- Reducing Environmental Pollution
- Increasing Resilience to Climate Change
- Sustainable Transportation
- Improving Water Quality
- Considering Eco-Green Space Development
- Tree and Plant Diversity
- Use of Sustainable Technology
- Being Environmentally Responsive & Proactive



Introduction and Municipal Direction



Our Commitment to Green

Our commitment to a greener sustainable City goes beyond individualistic approaches and beyond City Hall and Governance.

In Corner Brook, our thought has shifted to accepting that the wellbeing of all is interconnected with our environment. We no longer take our oceans, land, and air for granted, and collectively the community consciousness of environmental issues has moved towards taking action.

A deep seeded gratitude has risen for the beautiful area we live in. Our community interconnectedness to our environment and our focus is on collective restoration, protection and future enhancement.

This plan has been developed as a comprehensive *Action Plan* to preserving the health of the local environment for generations.

Partners and Data Sources

Phase I-III Partners and Data Sources City of Corner Brook Steering Committee

City of Corner Brook Council Jim Parsons Mayor Bill Griffin Deputy Mayor Tony Buckle Councillor Josh Carey Councillor Linda Chaisson Councillor Bernd Staeben Councillor Vaughn Granter Councillor	Rodney Cumby, City Manager	Marina Redmond, City Clerk
	Darren Charters, Director of Community, Engineering, Planning and Development	James Warford, Manager of Engineering Services
	Deon Rumbolt, Manager of Planning and Development	Annette George, Manager of Community Services
	Andrew King, Sustainable Development Technician	Bonita Decaire, Information Officer

Newfoundland Power Residential and General Service Accounts Detailed General Service Accounts	Newfoundland and Labrador Hydro Environmental Services	Statistics Canada 2006 Census Data 2001 Census Data AMEC	Office of Energy Efficiency Natural Resources Canada Demand Policy & Analysis Division Estimates of Heating Oil Usage
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Public Consultation-on Corporate Priorities Plan

Phase IV Partnership with Industry- Task Force/Committee

- Atlantic Coastal Action Program (ACAP)
Humber Arm
- MUN Grenfell Campus (Memorial
University of Newfoundland)
- WRWM (Western Regional Waste
Management)
- WEC (Western Environment Centre)
- College of the North Atlantic
- Environmental Policy Institute
- MMSB (Multi-Materials Stewardship
Board)
- Province of Newfoundland and Labrador
- CBPP (Corner Brook Pulp and Paper
Limited)
- Academy Canada
- Western School District
- Western Memorial Regional Hospital
- Businesses of Corner Brook



Why Act? Global Concern

There is an overwhelming scientific consensus that Earth's climate system is warming.

The Intergovernmental Panel on Climate Change (IPCC) is the leading international body for assessing the most recent scientific research on climate change. The IPCC is acknowledged by governments around the world as the most reliable source of advice on climate change. In its Fifth Assessment Report, the IPCC concluded that there is an overwhelming scientific consensus that earth's climate system is warming and that human activities are mainly

responsible for the change. In recognition of this growing need for action, the development of global policy, significant commitment and investment within Canada and around the world, continues to advance.

Regions will need to apply a range of climate change responses. The action needs to increase the visibility and viability of the issues and create synergy and shared ownership to climate change.

The reality of climate change, and the associated extreme weather events it brings, is presenting a fundamental challenge to all environments and responding to these developments requires good climate change governance, leadership and an engaged community.

Without taking action and reducing GHG emissions, the 2018 Community emissions for the City of Corner Brook is forecast to reach 244,242 tonnes of eCO₂, a 35% increase from 2008. The corporate inventory is projected to increase to 2,025 tonnes of eCO₂, a 24% increase from 2008.

Municipal governments have an important contribution to make to climate protection. Up to half of Canada's greenhouse gas (GHG) emissions are under the direct or indirect control or influence of municipal governments. By 2012, communities could cut GHG emissions by 20 to 50 Mt from municipal operations and community-wide initiatives with investments in environmental infrastructure and sustainable transportation infrastructure. (FCM website)

Why should you care about climate change? 17 experts explain.

Business leaders, policymakers and UN officials tell us why they care about combatting climate change and why you should too.

"Inaction on climate change will greatly increase the numbers of people who are hungry and malnourished in our world. Therefore we must act now."

David Nabarro, UN Special Representative for Food Security and Nutrition

"The longer you delay action, the more expensive it becomes."

Helen Clark, Administrator of the UN Development Programme

"Climate change touches upon all ways of live today and it's gonna be worse tomorrow if we don't do anything today."

Helena Molin Valdes, Head of Climate and Clean Air Coalition Secretariat at the UN Environment Programme

"Good urbanization can be a really positive precursor of climate change."

Joan Clos, Director of UN Habitat



“The benefits of action overwhelm any possible cost.”

Nigel Purvis, CEO of Climate Advisers

“My message is: Do whatever you can, small or big, to help us fight against climate change!”

Romina Picolotti, President of Fundación Cedha (Center for Human Rights and Environment)

“I care about climate change because it affects every single issue that we care about: health, economy, education, our children”

Brendan Guy of the NRDC (Natural Resources Defense Council Global Fellow

“If we don’t act on climate change it means that we are sort of living at the expense of what we shall leave to our children.”

Michel Jarraud, Secretary-General of the World Meteorological Organization

“If we act on climate change we actually will have more productivity, we’ll have better health and the world will be altogether better.”

Dr. Andrew Steer, President and CEO of the World Resources Institute

“The cost of inaction is much higher than the cost of action to build low-carbon and more resilient development.”

Rachel Kyte, World Bank Special Envoy for Climate Change

“If we don’t find an efficient and fast way to start solving it, we will pay a price that we simply cannot afford.”

Durwood Zaelke, President and Founder of the Institute of Governance & Sustainable Development

“Climate change is perhaps the greatest long-term threat to biodiversity conservation but it’s also perhaps the greatest social justice challenge of the 21st century.”

Andrew Deutz, The Nature Conservancy

“The countries that pollute the least will suffer the most on the business-as-usual scenario.”

Kande Yumkella, Special Representative for the Secretary-General’s Initiative Sustainable Energy for All

“So these things that people want to do anyway, I think there is a greater realization that they can have the benefits and the quality of life that they want and tackle climate change at the same time.”

Jennifer Morgan, The World Resources Institute

“It’s a story of a challenge for all the human race to get involved in and do something about.”

Mark Boling President of the Southwestern Energy Company

“Acting on it brings us all kinds of good things. It brings us jobs, livelihoods and profits.”

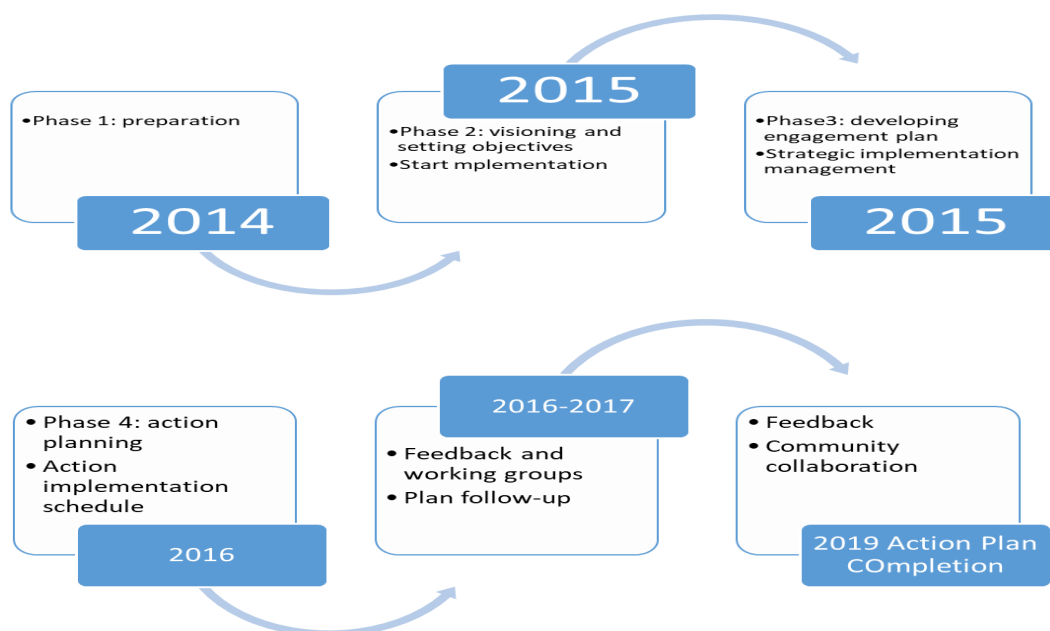
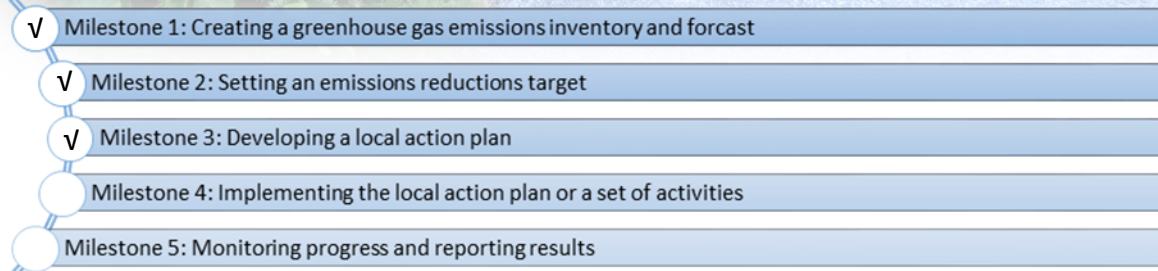
Michael Jacobs, Senior Advisor of Institute for Sustainable Development and International Relations in Paris (IDDRI)

“Not only me, my country people as well, they care for the environment.”

Dr. Nural Quadir – Government of Bangladesh

(Climate Summit 2014; Catalyzing Action; UN Headquarters, New York)

Phases of Community Engagement



Terminology and Baseline Emission Calculations

As noted in the Corner Brook Greenhouse Gas Inventory Milestone #1 and #2, all estimates have been calculated using the International Council for Local Environmental Initiatives (ICLEI) spreadsheet available on the Partners for Climate Protection website. Some of the calculations had to be modified based on the available data. These calculations have been clearly marked within the spreadsheet. Calculations are presented in CO₂ equivalence (eCO₂), which represents how much global warming a given type and amount of greenhouse gas may cause, using the functionally equivalent amount or concentration of carbon dioxide (CO₂) as the reference. Only CO₂, nitrogen dioxide (NO₂), and methane (CH₄) were considered for this study.

Baseline Year

The PCP program suggests that local governments compile their inventories for 2000 or for the year with the best available information. As the best available, detailed, and completed information at the time of the project initiation was **2008**, this was deemed the best year for the baseline. The emissions reduction targets and forecasting will be 15 years after the baseline year (**2023**).

Corner Brook Community Carbon Footprint

A Carbon Footprint is a measure of an entities’ Greenhouse Gas Emissions (GHGs) and impact on the environment. Our carbon footprint is based on 2008 as the baseline year. It shows a total community inventory of 181,463 tonnes of GHGs for the community and 1,605 tonnes of GHGs for the corporate inventory for the City of Corner Brook. These emissions come from vehicles, electricity use, heating, and other operations.

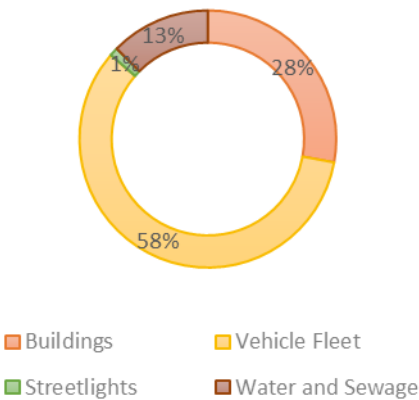
Emission reduction targets were set based on recommendations from FCM; 20% reduction for the Corporate Emissions and 6% reductions for Community Emissions are set to be achieved by 2023, fifteen years after the baseline year. For Corner Brook, this would equal a reduction of 327 tonnes of GHG reductions by 2023 by the municipal operations and 10,888 tonnes reduction on the community level as compared to the 2008 levels.

The Corporate (Local Government) eCO2 Emissions Inventory

The local government operations inventory considers five sectors: Buildings, Vehicle Fleet, Outdoor Street Lighting, Water & Sewage , and Corporate Waste (no data).

This totalled 1,605 tonnes of eCO2 for the corporate inventory for the City of Corner Brook.

Sector	Total eCO ₂ (t)
Buildings	448
Vehicle Fleet	938
Streetlights	17
Water and Sewage	202
Total	1,605

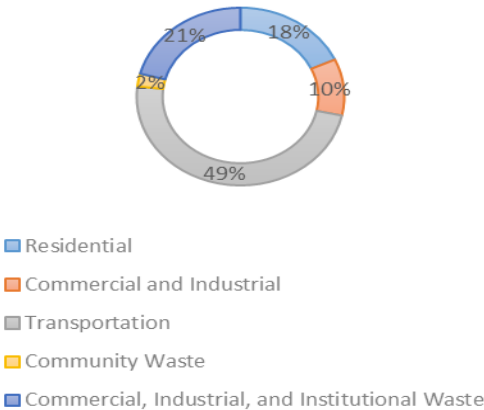


The Community eCO2 Emissions Inventory

Community GHG Emissions are broken down into the five categories of Residential , Commercial & Industrial , Transportation, Community Waste and Commercial, Industrial & Institutional Waste.

This totalled 181,463 tonnes of eCO2 for the community inventory for the City of Corner Brook.

Sector	Total eCO ₂ (t)
Residential	32,967
Commercial and Industrial	18,630
Transportation	87,811
Community Waste	4,220
Commercial, Industrial, and Institutional Waste	37,836
Total	181,463



Strengths, Weaknesses, Opportunities, and Threats

<p>Strengths: <i>Our Local Action Plan</i></p> <ul style="list-style-type: none"> • Aligns with the City Vision and current plans • Is supported by an environmentally conscious staff • Is inclusive of all facets of municipal and community operations • Includes us in a Canada-wide hub of like-minded municipalities • Keeps us accountable 	<p>Weaknesses: <i>Our Local Action Plan</i></p> <ul style="list-style-type: none"> • Contains ambitious projects which require larger investments of time and capital • Is not indicative of future political turnover • Draws on emissions data which are older and difficult to update
<p>Opportunities: <i>Our Local Action Plan</i></p> <ul style="list-style-type: none"> • Can be realized in part by new sustainability funding for Corner Brook Pulp and Paper. • Can be realized in collaboration with the many community partners and stakeholders who share our vision • Can be enhanced through the Strategic Tourism for Areas and Regions initiative • Is benefitted by the City's natural and pristine setting. 	<p>Threats: <i>Our Local Action Plan</i></p> <ul style="list-style-type: none"> • Is threatened by provincial reliance on fossil fuels • Is challenged by the complications of transporting goods onto and around our island



SECTION TWO

ACTING IN EVERY SECTOR:

CORPORATE





SECTION TWO:

ACTING IN EVERY SECTOR



BUILDINGS

Acting in Every Sector

Quantitative Action-develop best design practices and guidelines, advocate for green buildings, and develop educational tools to implementing sustainable design and construction practices.

Short term goals

Qualitative Actions	2019 Progress %
Energy efficiency review at all City Buildings	100%
Investigate energy lighting savings at the Civic Centre	100%
Establish a no-smoking and scent free policy	100%
Incorporate the Integrated Municipal Sustainability Planning (IMSP) measures into a municipal planning policy and regulatory framework	100%

Mid Term Goals

Implement and follow through on an Energy Efficiency Review	Civic Centre 90% Depot 20% City Hall 100%
<ul style="list-style-type: none"> • Depot • Civic Centre • Public Works 	
Create a Buildings Retro-fit plan	10%
Civic Centre: Prepare a lighting efficiency plan	100%
Create an energy efficient green roof garden to reduce storm water runoff and mitigate urban heat effects	100%
Obtain City Hall-LEED certification	100%

Long Term Goals

Civic Centre-Install a new environmentally friendly heating system	100%
Civic Centre-review ice resurfacer energy efficiency and investigate an electric ice	100%
Retrofit the Civic Centre with an overall goal of energy reduction of 20%.	100%
Build all new Civic facilities to Build Better Buildings principles	100%
Functional review of our green roof garden to create opportunities for increased usability	100%
Create a Curling Rink Energy Efficiency Plan and use best practices for heating	100%
Explore compost opportunities at City Hall grounds	100%
Adopt a corporate green policy and guideline that includes energy performance expectations for new City buildings	20%

Target Reduction from the 2008 baseline level – 20%

Level of effort/Budget to complete remaining tasks --Internal resources/ between \$50, 000-\$100,000

Funding Sources Internal



FLEET

Acting in Every Sector

Quantitative Action

Move towards Eco-friendly sustainable Transportation that will serve to enhance the City's ability to influence and motivate the community

Short term goals

Qualitative Actions	2019 Progress %
Conduct a targeted study and be community leaders for efficient motor vehicle usage	60%
Complete the District Energy Feasibility Study	100%

Mid Term Goals

Create a municipal vehicle anti-idling policy and implementation strategy	100%
Partner to deliver a pilot anti-idling program	10%
Focus group with City employees to generate new ideas-Climate Change	30%
Create a vehicle idling reduction educational video	10%
Purchase a minimum of two hybrid vehicles in the fleet	100%

Long Term Goals

Investigate alternative fuel options for the municipal fleet	20%
Reduce fuel consumption by 5%	0%
Increase corporate fuel efficiency by 20%	0%
Install Automatic Vehicle Locator's in all Corporate Vehicles for use optimization and route planning efficiencies	100%
Reduce vehicle kilometers travelled by 10%	50%
Reduce idling by 30%	0%
Through evaluation ensure right sized vehicles are being purchased for the corporate fleet	100%

Target Reduction from the 2008 baseline level – 25%

Level of effort/Budget to complete remaining tasks --Internal resources/ less than \$10,000

Funding Sources Internal



ACTING IN EVERY SECTOR

Street Lighting and Traffic Signals

Acting in Every Sector

Quantitative Action- review street lighting and traffic signal for energy rehabilitation opportunities

Short term goals

Qualitative Actions	2019 Progress %
Investigate replacing heritage lighting and park lighting with LED lights	100%
Explore energy efficient lighting for our climate	100%

Mid Term Goals

Convert 50% of traffic signals to more environmentally friendly LED technology	100%
Create opportunities for a trial solar crosswalk pedestrian light	100%
Review timing and usage settings for street lights & partner with Newfoundland Power	80%

Long Term Goals

Explore new traffic signals and street lighting technologies as they emerge	100% Ongoing
Investigate/Partner with Newfoundland Power to pilot a LED street lighting conversion	100%
Investigate the benefits of roundabouts and four-way stops to reduce energy, idling and traffic delays	100%
Investigate ways to optimize all traffic signals	100%

Target Reduction from the 2008 baseline – 1%

Level of effort/Budget to complete remaining tasks --Internal resources/ TBD
Funding Sources Internal





Acting in Every Sector

Quantitative Action- improve water conservation; quality; and create a waste water action plan

Short term goals

Qualitative Actions	2019 Progress %
Create a strategic Waste Water Treatment Plan	100%
Ensure procedures are in place for storm preparation	100%
Review the Corner Brook Watershed Management Plan and corresponding regulatory framework	100%
Review infrastructure and construction methods for energy efficiencies in water and waste water	100% Ongoing
Develop storm water management guidelines	20%
Create a water conservation program in which residents can participate or a regulation with which they can comply	100%

Mid Term Goals

Conduct a water use audit to maintain leak detection and reduce water loss	100%
Prepare an implementation plan for the combined sewer separation program and cost estimates	100%
Explore water distribution system improvements prior to the new water treatment plant	100%
Reduce the number of dead end water lines thereby reducing requirements for waterline flushing	100%
Develop and implement a measurable water conservation program	75%

Long Term Goals

Investigate a Municipal Wetlands Stewardship Agreement with the Province's Department of Environment and Conservation	100%
Improve water conservation education programs	75%
Conduct an assessment of storm water management systems to reduce impacts of climate change	20%
Work towards meeting Federal Wastewater Systems Effluent Regulations	20%

Target Reduction from the 2008 baseline level – 7%

Level of effort/Budget to complete remaining tasks --Internal resources/ TBD
Funding Sources Internal

ACTING IN EVERY SECTOR



Solid Waste

Acting in Every Sector

Quantitative Action- develop and implement quantifiable plans of action to reduce 5% of solid waste by diverting to recycling, disposition and composting.

Short term goals

Qualitative Actions	2019 Progress %
Implement waste diversion programs to reduce waste entering landfill	100%
Investigate environmental benefits and costs of the Regional Solid Waste Management Plan	100%
Set targets for solid waste reduction	100%

Mid Term Goals

Implement a ban on cardboard entering the landfill by mandatory cardboard recycling	100%
Work with partners to create a Solid Waste Action Plan achieving 30% waste diversion by 2018	100%
Increase recycling by 20% by 2018	100%

Long Term Goals

Backyard Composting Program	100%
E-Waste Collection Program	100%
Wood Waste Diversion Program	100%
Fall Leaf Program	100%
Curbside Giveaway Program	100%
Curbside Recycling Program	100%
Support the Provincial Waste Management Strategy and Province wide implementation by 2020	100%



Target Reduction from the 2008 baseline level – 5%

Level of effort/Budget to complete remaining tasks --Internal resources and partnerships/ TBD \$

Funding Sources TBD



Other

Acting in Every Sector

Quantitative Action-

Integrating the environment in municipal planning and addressing environmental concerns

Become a sustainable eco-city

Short term goals

Qualitative Actions	2019 Progress %
Identify areas of the City that are subject to flooding events under current and future precipitation and climate variability scenarios, that may arise from naturally occurring or human-induced events	100%
Create a conceptual vision and plan for Smithville	100%
Encourage a practice of paperless meetings	50%
Create a Corporate Asset Management Plan focused on sustainability	10%
Create a policy to reduce energy consumption by turning off the lights in empty rooms	75%

Mid Term Goals

Create an Urban Design Action Plan:	
<ul style="list-style-type: none"> Addressing additional pedestrian-cyclist connections to the old railway and the water's edge With a vision, goals, and objectives for long-term development that consider each of the pillars of sustainability. 	100%
Work with the Province and community stakeholders to minimize flooding conditions that may be hazardous to human life or cause property damage within Corner Brook	100%
Prepare a Downtown Urban Design Action Plan with a vision, goals, and objectives for long-term development that consider each of the pillars of sustainability: environmental, economic, social, cultural, and eco-governance	100%
Explore Urban Greening- Investigate a Street Tree Replacement Program for the Downtown for trees nearing the end of their life	5%

Long Term Goals

Create a comprehensive Waterfront Development Plan	10%
Adaptation - Establish collaborative partnerships to undertake a Climate Sensitivity Analysis for the City of Corner Brook, surrounding communities, and associated watersheds in order to identify general climate sensitivity and priority climate change impacts	0%

Target Reduction from the 2008 baseline level – 1%

Level of effort/Budget to complete remaining tasks --Internal resources less than \$5,000

Funding Sources TBD

SECTION TWO (CONTINUED)

ACTING IN EVERY SECTOR: COMMUNITY





ACTING IN EVERY SECTOR



Residential

Acting in Every Sector

Quantitative Action-

Make existing and new urban areas more self-sufficient, sustainable, and enjoyable places to live

Target Reduction from the 2008 baseline level – 10%

Level of effort/ Budget to complete remaining tasks -- internal resources less than \$5,000

Short term goals

Mid Term Goals

Long Term Goals

Qualitative Actions

2019 Progress %

Create an environment to support mandatory water meter in all new homes

100%

Explore incentives for the integration or upgrading of renewable energy into residential building technologies

80%

Develop programs and initiatives that increase citizen's knowledge and access to renewable energy

50%

Promote Take Charge NL Energy efficiency awareness

100%

Review new technologies for space or water heating, or electricity generation

100%

Create an overall residential Tree Planting Scheme

5%

Review and create a Clothesline Initiative

50%

100% metering of new residential customers by 2014

100%

Create a City Water Meter Implementation Strategy

50%

Develop initiatives to improve water rate consumptions

75%

Explore potential residential Energy Saving Options

50%

Investigate reducing water consumption due to pipe freezing

30%

Develop and adopt standards to regulate and therefore promote alternative, renewable energy systems

5%

Adopt Clean Water Awareness Programs

100%





Commercial

Acting in Every Sector

Quantitative Action-

Create a systematic review that synthesizes knowledge and create multi-sector partnerships for sustainability

Short term goals

Mid Term Goals

Long Term Goals

Qualitative Actions	2019 Progress %
Voluntary ban of cosmetic pesticides	100%
100% metering of new commercial customers by 2014	100%
Investigate a Commercial Building Energy Incentive Program	5%
Create Focus Groups leading to multi-sector partnerships/task force for energy awareness and reduction	15%
Examine a hybrid car incentive program for business/commercial fleets	0%
Encourage green building standards for commercial buildings	80%
Work with Corporate partners to reduce energy consumption by 3-5 % (Barry's Seafood, Education, Hospital etc.)	65%


Target Reduction from the 2008 baseline level – 1%

Level of effort/Budget to complete remaining tasks --Internal resources less than \$5,000

Funding Sources TBD



ACTING IN EVERY SECTOR

 Industrial Acting in Every Sector Quantitative Action Create a systematic review that synthesizes knowledge and create multi-sector partnerships for sustainability	Short term goals	Qualitative Actions	2019 Progress %
		100% metering of new industrial customers by 2014	100%
	Mid Term Goals	Create Focus Groups leading to multi-sector partnerships/task force for energy awareness and reduction	0%
		Examine a Hybrid Car incentive program for industrial fleets	0%
	Long Term Goals	Work with Corporate partners to reduce energy consumption by 3-5 %	0%
		Create focus groups leading to multi-sector partnerships/task force for energy awareness and reduction	0%

Target Reduction from the 2008 baseline level – 3%

Level of effort/Budget to complete remaining tasks --internal resources less than \$5,000

Funding Sources TBD



Transportation

Acting in Every Sector

Quantitative Action

To mitigate negative environmental impacts, reduce automobile use and encourage alternatives such as transit, cycling and walking to promote healthy lifestyles and reduce GHG emission

Short term goals	Qualitative Actions	2019 Progress %
	Investigate and prepare a proposal for a Master Municipal Public Transit Plan	10%
	Review and implement upgrades to the public transit system in an effort to increase ridership and reduce emissions	55%
	Provide FREE transit during Clean Air Day	100%
Mid Term Goals	Increase sustainable commute transportation by 5% to 7% within 10 years	50%
	Create and promote Commuter Challenges	100%
	Encourage the public to undertake regular vehicle maintenance, maintain proper tire pressure	100%
	Promote programs to reduce idling and develop an anti-idling campaign	50%
Long Term Goals	Increase bike/walking -friendly infrastructure	100%
	Review connectivity and a continuous recreation route along the waterfront	100%
	Develop safe active bike lanes and mix use trails	100%
	Increase residential carpooling and active transportation by 2-3%	15%

Target Reduction from the 2008 baseline level – 7%

Level of effort/Budget to complete remaining tasks --Internal resources/ less than \$10, 000

Funding Sources Internal

ACTING IN EVERY SECTOR



Waste

Acting in Every Sector

Quantitative Action

Reduce and prevent the production and disposal of waste in the City

Encourage consumers, manufacturers, distributors, retailers, governments, to develop and adopt practices and programs for the reduction and prevention of waste

Short term goals

Qualitative Actions	2019 Progress %
Examine curbside collection options and advocate for expansion	100%
Reduce the collection of solid waste management by increasing recycling	100%
Provide compost bins at reduced prices	100%

Mid Term Goals

Legislate limits on curbside residential garbage	100%
Support a resolution through Municipalities Newfoundland and Labrador (MNL) for a plastic bag reduction or ban	100%
Create "No Limit" on residential curbside recycling program from landfills by the end of 2011 and 100% by 2014	100%

Long Term Goals

Improve the recycling program to include boxboard and reduce landfill waste	100%
Divert 50% of household waste	80%
Create a Residential Curbside Recycling Educational Program	100%
Support the Provincial Target-Diversion of solid waste by 50%	100%

Target Reduction from the 2008 baseline level – 1%

Level of effort/Budget to complete remaining tasks --Internal resources and partnerships/ TBD \$

Funding Sources TBD





Other

*Acting in
Every Sector*

**Quantitative
Action**

Create other
actions to
mitigate climate
change

Short term goals

Mid Term
Goals

Long Term
Goals

Qualitative Actions		2019 Progress %
Provide space for Community Gardening		100%
Create coordinated-new community educational programs that the outcomes are measurable		80%
Evaluate and improve existing recycling-measuring effectiveness		100%
Undertake energy effective programs in cooperation with all levels of government and private industry		0%
Partner with stakeholders and the public for feedback on the Community Climate Action Plan		0%

Target Reduction from the 2008 baseline level – 7%

Level of effort/Budget to complete remaining tasks --Internal resources less than \$10, 000

Funding Sources Internal



Corner Brook Next Steps

Milestone #4 and 5 Implementation of Local Action Plan

As part of the City of Corner Brook's continued commitment to the PCP framework, City staff will work towards achieving the goals set out in this Action Plan. City departments will continue to work with local partners to ensure the municipality achieves the reduction targets and encourages residents to be more sustainable.

The City of Corner Brook is confident it will complete its goals. Targets in this Action Plan will be reviewed by the City Manager and senior staff and then passed along to Council to set finances aside to budget for our target goals.

Community groups, NGO's, various levels of government, and the public have been asked to be members of a City of Corner Brook GHG Reduction Steering Committee to help provide input and guidance on implementation and monitoring of the goals targeted in this Local Action Plan, as well as any additional actions we as a municipality can do.





References and Resources

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