



GMF 15128
UNION OF MUNICIPALITIES OF NEW BRUNSWICK
UMNB Climate Change & Energy Initiative (CCIE)

SCHEDULE E

Form of Completion Report for Plans

GMF number:	15128
Name of the Recipient:	UMNB
Phone, fax, e-mail, and address of lead contact:	302-259 rue Brunswick St., Fredericton NB, E3B 1G8 Tel: (506) 444-2285 Fax: (506) 444-2286 info@umnbc.ca
Date of the Report:	July 2019

1. Summary of the Initiative

a. Please briefly describe the Plan that was prepared as part of this planning exercise.

The Union of Municipalities of New Brunswick Climate Change and Energy Initiative (UMNB-CCEI), allowed participants to realize their Greenhouse Gas (GHG) inventories and their Local Action Plans for municipal and community-wide GHG emissions reduction, including integrating community energy planning approach.

b. What was the objective in preparing the Plan (i.e., what was the Recipient trying to achieve, and why)?

UMNB CCEI objectives were to enable UMNB members to realize the first three milestones of the Partners for Climate Protection (PCP) program.

The CCEI allowed participants to elaborate a CEP joined to their GHG action plan; a powerful tool linked to sustainable energy planning.

UMNB's approach in realizing this project was to produce GHG inventories and Action Plans of high quality, at a lower cost, to:

- Permit municipalities/communities to identify model projects and innovative for municipalities in New Brunswick;
- Permit the preliminary establishment of green and sustainable projects that could easily be adopted by the population/communities and possibly financed from other sources / other instances of GMF.



- Permit the augmentation of skills, knowledge, and expertise at the local and regional levels, and build partnerships with local expertise, to advance community efforts for GHG reduction (e.g. urban plan, infrastructure, buildings, transit, etc), and help identify innovative projects / solutions adapted to the needs of local populations and contexts.

c. If the lead applicant is not a municipality, please briefly explain why the lead applicant undertook this Initiative.

The Union of Municipalities of New Brunswick is a non-profit association of 60 local governments in the Province of New Brunswick, representing over 1/3 of NB's population. UMNB members include municipalities of all sizes, including cities, towns, villages, and rural communities, and both official languages. UMNB membership is representative of the NB population.

Environmental and Energy issues related to addressing climate change are an important opportunity to improve local infrastructure and buildings of municipalities and communities.

Faced with climate change, municipalities are confronted with several risks, challenges, and needs:

- Climate change will have impacts for populations near rivers and in-land, in New Brunswick
- Need to revise infrastructure & equipment needs (for improving resiliency, energy efficiency, and GHG reduction)
- Need to revise urban / rural planning strategies to take into account environmental and economic vulnerability of property and infrastructure under municipal jurisdiction.
- Need to prepare for climate impacts, while reducing GHG emissions.
- Limited financial capacity and resources.

d. Please summarize the activities completed as part of this Initiative, as per Schedule A. Note: Your summary should build on the information you included in your previous Progress report(s). Please ensure to briefly (four to five sentences) explain how the Plan was prepared—that is, what was the approach (or methodology) that was taken to meet the community's objectives. If applicable, please describe any public consultation process that was used in developing the Plan (e.g. describe items such as how stakeholders were identified and engaged in the preparation of the Plan; the visioning process that was used; any community surveying techniques that were used and so forth).

UMNB CCEI enabled UMNB members to realize the first three milestones of the PCP program. The CCEI also allowed participants to elaborate a CEP joined to their GHG action plan.

The project team went into the communities to consult with municipal staff, community stakeholders, and relevant intervenors, for the realization of GHG inventories and Local Action plans, and to develop an implementation strategy for corporate and community wide GHG emissions reductions identified in the Action plans.

In addition, CEP & Action Plan approach included consultation:



- a. 1st round: Workshop with various municipal departments & stakeholders to identify needs/opportunities, using basic maps
- b. 2nd round: Draft plan/consultation (using data enriched maps)
- c. 3rd round: Final discussion with Council and Direction

UMNB held two annual conferences during consultations of the CCEI/project. These conferences (2016, 2017) offered an exceptional opportunity to share information, consult with elected municipal officials and work to advance the CCEI activities, and to further pursue projects that will be identified by the Local Action Plans. UMNB presented a project update in 2018, and will present final results in 2019.

e. Were there any significant changes to the scope or costs of the Project as described in the Agreement or in a previously submitted Project Progress Report (if applicable)? If so, please briefly explain why.

No change

f. How much did the preparation of the Plan cost, and how was it paid for?

\$367,900 financed by participants, ETF and FCM

g. Roughly how long (in months) did it take to prepare the Plan?

21 months (March 2017 to December 2018)

h. How is the Plan related to existing plans, practices, guidelines or policies within the municipality, and how does it contribute to achieving the municipality's sustainability goals?

Beside Quispamsis and Saint John, all participants were new PCP members.

The CCEI GHG Action Plan and CEP were for all participants beside Quispamsis and Saint John, their first major integrated Plan.

2. Community Context

a. Please provide a brief (five to six sentences) profile of the community that is the object of this Plan, including population, geographic area, demographics, and general economic conditions. (Note: This information is readily available from the Community Profiles section of the Statistics Canada website at www.statcan.ca.)

Lead Municipality: City of Saint John

Saint John has a population over 70 000, with another 35 000 people living in adjacent Towns, many of whom commute in and out of the City for work. The City of Saint John has been an early adopter of implementing energy efficiency measures and approaches to promote energy awareness amongst staff and the community. The City was one of the first Canadian municipalities in Atlantic Canada and one of the few in Canada to embark on creating a Municipal Energy Efficiency Program (MEEP). The program has been recognized regionally and nationally as Best Practice. However, there are still many opportunities



for energy conservation, renewable energy / district energy, and for corporate and community-wide GHG emissions reduction – including on a region-wide basis.

Members involved in the UMNB CCEI are:

City of Saint John: population 70063

Town of Dalhousie: pop. 3512

Village of Perth-Andover: pop. 1778

Town of Woodstock: pop. 5254

Town of Sussex: pop. 4312

Town of Quispamsis: pop. 17886

Town of Rothesay: pop. 11947

Town of Grand Bay-Westfield: pop. 5117

Village of Rexton: pop. 818

Village of McAdam: pop. 1404

Village de Petitcodiac: pop. 1429

b. Briefly (two to three sentences) indicate the size and structure of the municipal government, and the approximate number of full-time municipal employees.

Members involved in the UMNB CCEI are:

City of Saint John: population 70063

Municipal composition

1 mayor, 2 general councillors and 8 neighbourhood councillors

682 full time employees and seasonal staff and 203 police employees

Municipal infrastructures

183 buildings, lighting, water and sewage

429 vehicles and motorized equipment

Town of Dalhousie: pop. 3512

Municipal composition

1 mayor and 6 general councillors



26 full time employees and seasonal staff

Municipal infrastructures

50 buildings, lighting, water and sewage

33 vehicles and motorized equipment

Village of Perth-Andover: pop. 1778

Municipal composition

1 mayor and 5 general councillors

54 Full Time employees and seasonal staff

Municipal infrastructures

12 buildings, lighting

17 vehicles and motorized equipment

Town of Woodstock: pop. 5254

Municipal composition

1 mayor and 6 general councillors

100 Full Time employees and seasonal staff

Municipal infrastructures

21 buildings, lighting

39 vehicles and motorized equipment

Town of Sussex: pop. 4312

Municipal composition

1 mayor and 7 general councillors

30 full time employees

Municipal infrastructures

26 buildings, lighting, water and sewage

30 vehicles and motorized equipment

Town of Quispamsis: pop. 17886



Municipal composition

1 mayor and 7 general councillors

87 full time employees and seasonal staff

Municipal infrastructures

61 buildings, lighting, water and sewage

81 vehicles and motorized equipment

Town of Rothesay: pop. 11947

Municipal composition

1 mayor and 7 general councillors

45 Full Time employees and seasonal staff

Municipal infrastructures

65 buildings, lighting, water and sewage

36 vehicles and motorized equipment

Town of Grand Bay-Westfield: pop. 5117

Municipal composition

1 mayor and 5 general councillors

14 full time employees and seasonal staff

Municipal infrastructures

31 buildings, lighting, water and sewage

18 vehicles and motorized equipment

Village of Rexton: pop. 818

Municipal composition

1 mayor and 4 general councillors

5 full time employees and seasonal staff

Municipal infrastructures

21 buildings, lighting, water and sewage



8 vehicles and motorized equipment

Village of McAdam: pop. 1404

Municipal composition

1 mayor and 4 general councillors

7 full time employees and part time staff

Municipal infrastructures

18 buildings, lighting, water and sewage

10 vehicles and motorized equipment

Village de Petitcodiac: pop. 1429

Municipal composition

1 mayor and 5 general councillors

12 full time employees and part time staff

Municipal infrastructures

20 buildings, lighting, water and sewage

16 vehicles and motorized equipment

3. The team: Who Was Involved?

a. Briefly (four to five sentences) indicate who was involved in developing this Plan, and their affiliations. Include both municipal staff and officials who managed the preparation of the Plan, and any consultants who worked on the Plan.

Project Leaders – UMNB: (1) Raymond Murphy, Executive Director; (2) Margot Cragg, Executive Director

Project Leader - Consultant : Yves Hennekens (YHC Environnement)

Project Manager: Eddie Oldfield (in New Brunswick)

Analyst: Razi Shirazi

Project Participants: Saint John: Samir Yammine



b. Was there a Project champion who was instrumental to the completion of the Plan? If so, please include his or her name, title and contact information, and describe his or her role in the preparation of the Plan.

Raymond Murphy, Executive Director. Developed, championed, and organized the project. Deceased.

4. Environmental, Economic and Social Benefits of the Initiative

For the questions in this section: If the answer to the question is clearly outlined in the Plan itself, it is sufficient to indicate the section and page number(s) of the Plan on which the information can be found.

Corporate

Reduction Target: 18%

Base year: 2015

Forecast year: 2025

a. What environmental goals/objectives and targets were established in the Plan?

City of Saint John:

Corporate

Reduction Target: 30%

Base year: 2015

Forecast year: 2025

Community

Reduction Target: 9 and 18%

Base year: 2015

Forecast year: 2025 and 2035

Town of Dalhousie:

Corporate

Reduction Target: 18%

Base year: 2015

Forecast year: 2025

Community



Reduction Target: 10 and 20%

Base year: 2015

Forecast year: 2025 and 2035

Village of Perth-Andover:

Corporate

Reduction Target: 18%

Base year: 2015

Forecast year: 2025

Community

Reduction Target: 17 and 34%

Base year: 2015

Forecast year: 2025 and 2035

Town of Woodstock:

Corporate

Reduction Target: 18%

Base year: 2015

Forecast year: 2025

Community

Reduction Target: 7 and 14%

Base year: 2015

Forecast year: 2025 and 2035

Town of Sussex:

Corporate

Reduction Target: 18%

Base year: 2015

Forecast year: 2025



Community

Reduction Target: 10 and 30%

Base year: 2015

Forecast year: 2025 and 2035

Town of Quispamsis:

Corporate

Reduction Target: 18%

Base year: 2015

Forecast year: 2025

Community

Reduction Target: 8 and 16%

Base year: 2015

Forecast year: 2025 and 2035

Town of Rothesay:

Corporate

Reduction Target: 18%

Base year: 2015

Forecast year: 2025

Community

Reduction Target: 7 and 14%

Base year: 2015

Forecast year: 2025 and 2035

Town of Grand Bay-Westfield:

Corporate

Reduction Target: 9%

Base year: 2015



Forecast year: 2025

Community

Reduction Target: 7 and 15%

Base year: 2015

Forecast year: 2025 and 2035

Village of Rexton:

Corporate

Reduction Target: 18%

Base year: 2015

Forecast year: 2025

Community

Reduction Target: 7 and 14%

Base year: 2015

Forecast year: 2025 and 2035

Village of McAdam:

Corporate

Reduction Target: 18%

Base year: 2015

Forecast year: 2025

Community

Reduction Target: 7 and 14%

Base year: 2015

Forecast year: 2025 and 2035

Village de Petitcodiac:

Corporate

Reduction Target: 18%



Base year: 2015

Forecast year: 2025

Community

Reduction Target: 7 and 14%

Base year: 2015

Forecast year: 2025 and 2035

b. What social goals/objectives and targets were established in the Plan?

Improve the quality of life of communities (better environment and savings)

Improve the quality of life of communities (better environment and savings);

Generate GHG emission reductions that meet the goals and needs of the community;

Allow as much as possible to generate energy savings that guarantee the sustainability of the actions of the Municipality and its community.

Use community resources to develop the expertise of UMNB and New Brunswick members

Optimize the use of community resources and know-how to maximize socio-economic benefits;

Help develop local and regional expertise to increase the knowledge of communities and New Brunswick.

Will become examples and models for New Brunswick and other communities in Canada

The projects must enable UMNB member municipalities to stand out / take leadership, to respond to challenges of climate change for New Brunswick communities, to protect the environment, improve the quality of life, and become role models for action and resilience.

What economic goals/objectives and targets were established in the Plan? Please include any anticipated financial savings resulting from operational efficiencies included in the Plan.

5. Outcomes and Next Steps

a. How will your community be using the Plan (i.e., what happens now that the Plan is finished)?

Adopting the Action plan and CEP, participants engage themselves to reduce GHG through projects implementation. The plan presents a project portfolio that will be used as reference for the corporate and the community.

b. How will the Plan be implemented?



UMNB’s municipal participants will consider the plan GHG reduction targets in reference to municipal decisions concerning infrastructure or energy related projects and issues.

UMNB through its activities will take care to consider the CCEI targets and orientations to help its members to achieve and fulfil fixed goals.

UMNB is pursuing further opportunities to use the collaborative model modelled in the UMNB CCEI to support municipal participants in implementing their Plans.

c. Do you anticipate any changes to municipal operations, policies or programmes as a result of having prepared this Plan? If so, please describe these changes.

UMNB anticipates significant changes to municipal operations, policies and programs by its participant members as a result of the Plan. Each individual municipality identified specific actions and policy changes necessary to achieve their objectives. Descriptions of the individual municipal plans and anticipated changes to municipal operations may be found here: <http://action-ges.com/home>

In addition: Perth Andover plans to be the first “The first net zero community” in New Brunswick, and Saint John plans to be carbon neutral by 2040.

6. Lessons Learned and Knowledge Sharing

In answering the questions in this section, please consider all aspects of the preparation of the Plan—from the initial planning through each of the essential tasks until the Plan was completed.

a. If your municipality was planning to undertake the preparation of this kind of plan again, what (if anything) would you do differently (based on your experience with the preparation of this Plan), and why?

In general, the CCEI process was a success, bringing together eleven municipalities of different sizes into a single project, including small municipalities who might otherwise find it unfeasible to access GMF funding.

We underestimated the time and resources needed by each individual municipality, and their availability throughout the year. In particular, smaller municipalities have limited staff and fewer staff resources to devote to a lengthy project like the CCEI. In particular, from November to January the municipal budget process monopolizes staff resources and their schedule.

For the largest municipal participant, Saint John, we also underestimated time needed for (1) internal decisional process, (2) consultation and communication with major community corporate stakeholders e.g. Irving Oil, and (3) coordination between municipal operations and the municipal utility i.e. Saint John Energy.

b. If your municipality was planning to undertake the preparation of this kind of plan again, what (if anything) would you want to do in the same way (based on your experience with the preparation of this Plan), and why?

We would operate similarly, with some exceptions:



- * More flexible schedule allowing municipalities more time to process the information.
- * Designated UMNB project lead other than the Executive Director.
- * Organize one workshop instead of two and later in the process.

c. What barriers/challenges (if any) did your municipality encounter in undertaking the preparation of this Plan, and how were they overcome?

In addition to schedule challenges, described above, the project was challenged by the unexpected passing of the project champion and lead, UMNB Executive Director Raymond Murphy. This caused end-of-project delays and required additional in-kind staff time. The project was successful thanks to planning and documentation already created, and to dedicated work by the project's consultants.

d. Aside from the Final Plan, has your work resulted in anything else that could be of use to another municipality (for example, a new policy for sustainable community development, a series of model by-laws, the design of a new operating practice, a public consultation manual, check-lists, a measurement tool to assess progress in moving towards greater sustainability, etc.)? If so, please describe the item(s) briefly here, and include a copy of the item(s) when submitting this report, so that it can be shared with other communities.

No

e. Would you like to showcase your Plan through an FCM webinar or workshop?

Yes.

7. Publicity and Outreach

a. Has the Initiative received any recognition, media coverage, or notable public support? If so, please describe briefly (three to four sentences).

Yes:

- * Media coverage at launch in 2017
- * Media coverage for individual member municipalities when they passed their GHG reduction resolutions
- * Local coverage of PCP milestone awards for participants

b. Is there a website where more information about the Initiative can be found? If so, please provide the web address with links to the relevant section.

<http://action-ges.com/home>

8. Contacts



a. Please provide the name and coordinates (title, full address, phone, fax and email) of someone who can be contacted for more information about the Plan.

Margot Cragg, UMNB Executive Director, margot.cragg@umnb.ca 302-259 rue Brunswick St., Fredericton NB, E3B 1G8, Tel: (506) 444-2285

Yves Hennekens, CEO YHC Environnement, y.hennekens@yhcentvironnement.com

b. In the event the contact is no longer available, please provide general contact information for the lead applicant, such as the administrative office of the municipal department that coordinated the Project or some other general contact for the Recipient/lead applicant

N/A



Saint John Community Workshop – June 26 2018
2018, Margot Cragg, UMNB



UMNB CCEI members with PCP Milestone Awards, QUESTTalks, February 5 2019
2019, Margot Cragg, UMNB

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