

Municipality of the District of Lunenburg

Minutes of a Meeting of Municipal Council

Held in Council Chamber, 10 Allée Champlain Drive, Cookville, NS
and via Audio & Video Conferencing

Tuesday, June 28, 2022 – 9:00 a.m.

Attendance

Mayor Carolyn Bolivar-Getson (via TEAMS)
Deputy Mayor Cathy Moore, District 5
Councillor Leitha Haysom, District 1
Councillor Martin Bell, District 2
Councillor Wendy Oickle, District 3
Councillor Pam Hubley, District 4
Councillor Sandra Statton, District 6
Councillor Michelle Greek, District 7
Councillor Kacy DeLong, District 8
Councillor Reid Whynot, District 9
Councillor Chasidy Veinotte, District 10

Staff

Tom MacEwan, Chief Administrative Officer
Alex Dumaresq, Deputy CAO
Jeff Merrill, Director of Planning & Development Services
Elana Wentzell, Director of Finance
Mark Strickland, Business Development Officer (via Teams)
Abhi Jain, Sustainability Coordinator
Tissy Bolivar, Program Coordinator (via Teams)
April Whynot-Lohnes, Municipal Clerk
Sarah Kucharski, Manager, Corporate Services & Communications (via Teams)
Tina Robichaud-Bond, Executive Assistant

1. Call to Order

Deputy Mayor Moore called the meeting to order at 9:00 a.m. and began by acknowledging that the meeting was held in Mi'kma'ki, the traditional territory of the Mi'kmaq people.

2. Announcements/Acknowledgements/Recognition

Councillor DeLong recognized staff and residents who participated in the Pride event.

Councillor Oickle reported that Culligan Water would be providing residents free water fills on July 1.

Councillor Oickle recognized Emma MacAlpine, a grade 4 student at Hebbville Academy, who was given an award for civic spirit for using her personal time and helping primary grade students with reading skills, dressing for outdoor time, and delivering lunches to the younger grades.

3. Public Input - Nil

4. Approval of Agenda

It was requested that the LCLC update be added to the agenda.

Moved by Councillor Hubley, seconded by Councillor Oickle that the Agenda be approved as amended with addition of the LCLC update. Carried unanimously.

5. Approval of Minutes – Regular Council June 14, 2022 & Special Council June 21, 2022

Moved by Councillor Oickle, seconded by Councillor DeLong that the Minutes of the June 14, 2022 Council meeting be approved as circulated. Carried unanimously.

Moved by Councillor Whynot, seconded by Councillor Hubley that the Minutes of the June 21, 2022 Special Council meeting be approved as circulated. Carried unanimously.

6. Business arising from Minutes - Nil

7. Awarding of Tenders/RFPs - Nil

8. Presentations/Scheduled Times

8.1 Proposed Sustainability Summit

Councillor DeLong declared a Conflict of Interest and removed herself from the table.

Matt Delorme, Executive Director, Atlantic Infrastructure Management Network (AIM), was in attendance.

Mr. Delorme gave a presentation on the FCM Municipal Asset Management Program (circulated with the Agenda), highlighting the following:

- Explanation of who AIM is and what they do
- Draft Outline of the Program
- Barriers to Climate Adaptation & Mitigation
- Goals & Outcomes
- The Climate Summit
- Other Lead Municipalities
- Program Requirements
- Outcomes

Mr. Delorme explained that AIM's goal, with the help of 5 municipalities, was to create a template for the framework for a regional climate network. He noted that four municipalities had joined the program and advised that the cost to the municipality to participate was \$1,900.

Deputy Mayor Moore advised that the matter would be brought forward to a future meeting for discussion.

Mr. Delorme left the meeting.

Councillor DeLong returned to table.

9. Consideration of Correspondence - Nil

10. Recommendations from Committees & Boards

10.1 Policy & Strategy Committee

10.1.1 Amendments to MODL Policy 051 Personnel Policy

2022-116 Moved by Councillor Haysom, seconded by Councillor Oickle that Municipal Council accept the recommendation of the Policy & Strategy Committee and adopt the proposed amendments to MODL Policy 051 Personnel Policy, as presented. Carried unanimously.

10.1.2 2022-2023 Annual Operating & Major Recreation Capital Grant Programs

2022-117 Moved by Councillor Veinotte, seconded by Councillor Hubley that Municipal Council accept the recommendation of the Policy & Strategy Committee and approve the applications for the 2022-2023 Annual Operating Grant Program in the amount of \$48,875, as presented.

It was suggested that the criteria for approval of the grants be reviewed.

Stephen Pace, Director of Engineering & Public Works, joined the meeting.

The Motion on the floor was voted on a carried. Opposed: Councillor Greek

2022-118 Moved by Councillor Hubley, seconded by Councillor Whynot that Municipal Council accept the recommendation of the Policy & Strategy Committee and approve the applications for the 2022-2023 Major Recreation Capital Grant Program in the amount of \$36,600, as presented. Carried. Opposed: Councillors Greek and Bell.

2022-119 Moved by Councillor Oickle, seconded by Councillor Veinotte that Municipal Council accept the recommendation of the Policy & Strategy Committee and approve the late applications for the 2022-2023 Annual Operating Grant received from:

- **Friends of DesBrisay in the amount of \$2,500; and**
- **Mahone Bay Founders Society in the amount of \$1,500**

as presented. Carried unanimously.

2022-120 Moved by Councillor Bell, seconded by Councillor Greek that the Policy & Strategy Committee bring to a future agenda, discussion around the grant programs and the criteria for the various applications, and further, that this agenda item be brought forward early enough to be completed before the next grant approval season. Carried unanimously.

Council recessed at 9:34 a.m. and returned at 9:46 a.m.

10.2 Sustainability Committee

10.2.1 Community Greenhouse Gas Emissions Reduction Target

Mr. Jain was in attendance and gave a presentation on “Community Emissions Reduction Target”, (attached to Minutes) highlighting and providing details on the following:

- Background on declaration of climate emergency
 - Five Milestones of PCP Framework
 - Baseline Greenhouse Gas Emissions in 2019
 - Municipality’s Current Emissions Profile
- Milestone 2 – Community Emissions Reduction Target
 - Target Setting Methodology
 - MODL Approach
 - Low Carbon Scenario
 - Limitations, Strengths and Weaknesses
- Next Steps

Concerns were discussed regarding the ability to attain the targets recommended by the Sustainability Committee due to availability of staff resources, fiscal capacity, the programs available to residents and their willingness to take part in the program.

It was suggested that the program be evaluated yearly.

A concern was raised regarding solar panels and metal roofs causing potential delays during emergency life saving situations.

Moved by Councillor Haysom, seconded by Councillor DeLong that Municipal Council accept the recommendation of the Sustainability Committee and set a community greenhouse gas emissions reduction target of 36% below the 2019 baseline emissions level by 2030, 70% below the 2019 baseline emissions by 2040, and achieve net-zero greenhouse gas emissions by 2050. Defeated. Opposed: Councillors Bell, Oickle, Hubley, Statton, Greek, Whynot, Veinotte, Deputy Mayor Moore, and Mayor Bolivar-Getson

2022-121 Moved by Councillor Hubley, seconded by Councillor DeLong that Municipal Council accept the recommendation presented to the set the community greenhouse gas emissions

reduction target at 30% below the 2019 baseline emissions level by 2030, 65% below the 2019 baseline emissions by 2040, and achieve net-zero greenhouse gas emissions by 2050. Carried unanimously.

11. Staff Reports

11.1 Administration Department

11.1.1 NSFM Survey

Mr. Dumaresq reported that the NSFM Survey was discussed at the May 31, 2022 Special Council meeting.

2022-122 Moved by Councillor Bell, seconded by Councillor Veinotte that Municipal Council forward the letter responding to the NSFM Survey to the President of the Nova scotia Federation of Municipalities, as presented. Carried unanimously.

12. Mayor's/Deputy Mayor's/Councillors' Matters

12.1 Deputy Mayor's Update

Deputy Mayor Moore reported that she attended agenda review meetings; the Mayors/Wardens meeting; the LIFT presentation and launching of program; and the unveiling of the Memory Bench in memory of Sherry Conrad.

12.2 Mayor's Update

Mayor Bolivar-Getson reported that she attended the NSFM meeting and the Service Exchange meeting, virtually.

13. Added Items

13.1 LCLC update

Councillor Hubley gave an update on the following matters of the Lunenburg County Multi-Purpose Lifestyle Centre:

- Receivables & Financial Statements ending April 30, 2021
- Strategic and operational priorities
- 2022 Events strategy
- Upcoming events
- Membership status
- Registration status
- Dehumidification project
- Para Cup Hockey planning
- Facility Naming & Advertising RFP Award
- Dehumidification Installation RFP Award

Council recessed at 10:55 a.m. and returned at 11:05 a.m.

14. In Camera

At 11:05 a.m., it was moved by Councillor Oickle, seconded by Councillor Greek that Municipal Council go In Camera to discuss Item 14.1 Land Negotiations under Section 22(2)(a) of the MGA. Carried

Municipal Council In Camera in session.

At 12:07 p.m., it was moved by Councillor Whynot, seconded by Councillor DeLong that Municipal Council come out of In Camera and return to open session. Carried.

Municipal Council in session.

15. Adjournment

There being no further business at 12:08 p.m., it was moved by Councillor Whynot, seconded by Councillor Haysom that the meeting adjourn. Carried.



Community Emissions Reduction Target

Council Meeting

Abhi Jain, Sustainability Planner

June 28, 2022



Contents

Background

Milestone 2 – Emissions Reduction Target

Motion & Next Steps



Background

MODL declared climate emergency in 2019

- Today, more than 640 municipalities across Canada have declared climate emergency
- In October 2019, MODL declared climate emergency and committed to act on climate change by joining the Partners for Climate Protection (PCP) program
- The PCP program guide municipalities through a 5-milestone framework to reduce their GHG emissions and the impacts of climate change
- Today, more than 400 municipalities have joined the program as shown in the map



<https://www.pcp-ppc.ca/membership>

Background

Five Milestones of PCP Framework



Milestone 1
Baseline Emissions
Inventory



Milestone 2
Emissions Reduction
Target



Milestone 3
Local Climate Change
Action Plan



Milestone 4
Implement the Plan



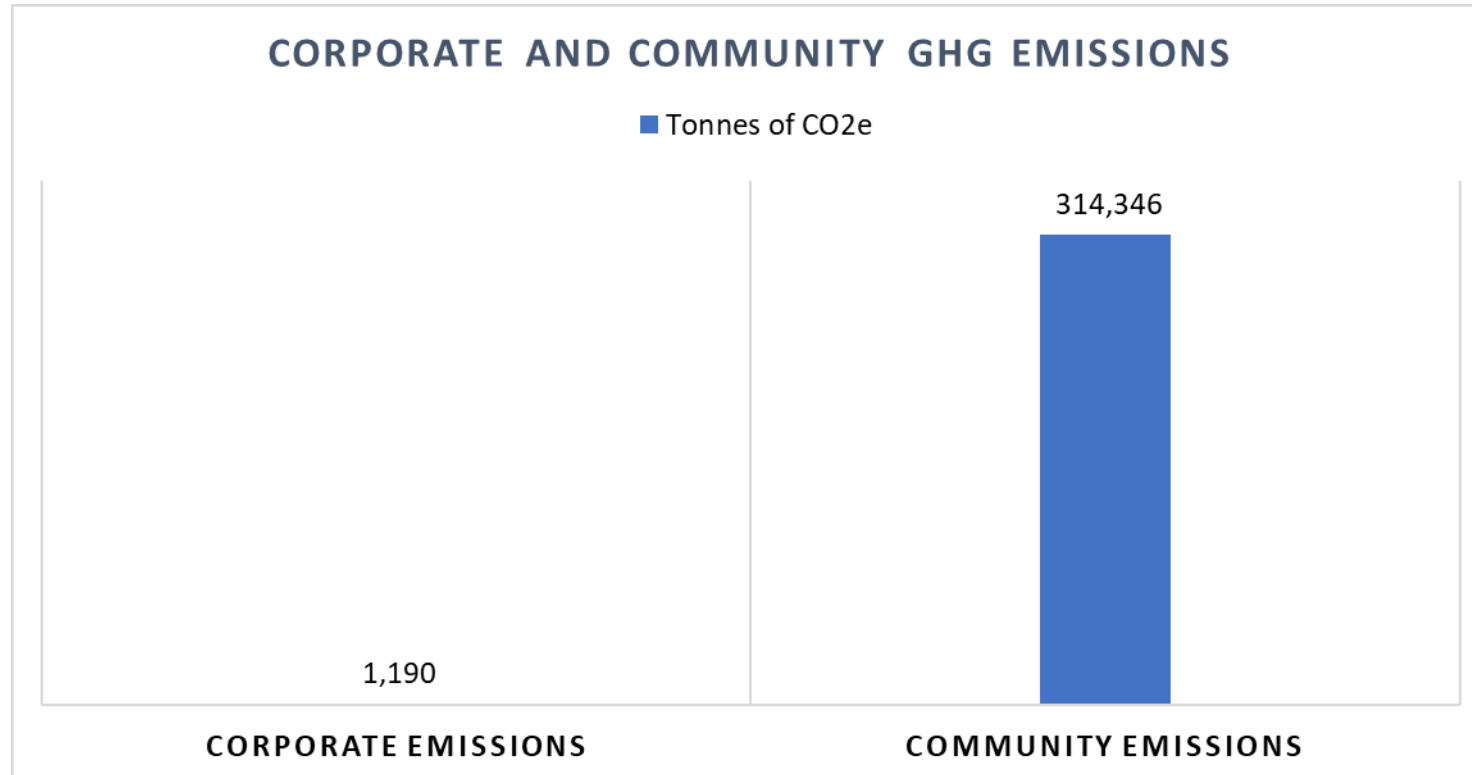
Milestone 5
Monitor Progress

Background

Baseline Greenhouse Gas Emissions in 2019



Milestone 1
Baseline Emissions Inventory



Background

Municipality's Current Emissions Profile

A **community inventory** includes buildings (residential & commercial), transportation, and solid waste.

A **corporate inventory** includes municipal buildings, fleet, street lighting, water and wastewater treatment, and corporate solid waste.



Milestone 2
Emissions Reduction Target

Table 1 - Municipality of the District of Lunenburg GHG Emissions Profile		
Community Emissions		
Baseline Emissions (2019)	GHG Emissions Reduction Target	Expected Annual Emissions by 2030
314,346 tonnes CO ₂ e per year	To be decided by June 2022	To be estimated by June 2022
Corporate Emissions		
Baseline Emissions (2019)	GHG Emissions Reduction Target	Expected Annual Emissions by 2030
1,190 tonnes CO ₂ e per year	40%	714 tonnes CO ₂ e per year



Milestone 2 – Community Emissions Reduction Target

Target Setting Methodology



Top-down targets

- Aspirational or visionary
- Usually based on targets established by other orders of government
- Generally more aggressive
- Advantages = alignment with others, politically advantageous
- Disadvantages = high risk of failure, uncertainty of costing, poor connections to actions

Target Setting Methods



Bottom-up targets

- Pragmatic or analytical
- Usually based on assessment of emissions reduction potential of local measures
- Generally less aggressive
- Advantages = greater understanding of actions needed, great confidence in achieving target
- Disadvantages = too conservative to mitigate climate change

Milestone 2 – Community Emissions Reduction Target

MODL Approach

MODL Approach:

Combination of top-down and bottom-up



Top-down considerations

- Canada has set an emissions reduction of 40-45% from 2005 levels by 2030, and achieve net-zero emissions by 2050
- The *Canadian Net-Zero Emissions Accountability Act*, which became law on June 29, 2021, enshrines in legislation Canada's commitment to Paris Agreement to achieve net-zero emissions by 2050
- Nova Scotia through its *Environmental Goals and Climate Change Reduction Act* has set the target to reduce GHG emissions by 53% below 2005 levels by 2030, and achieve net-zero emissions in Nova Scotia by 2050



Bottom-up considerations

- MODL has identified key climate actions through its LCCAP
- Performed modeling of the identified actions to assess the emissions reduction potential
- Developed 'Business As Usual' and 'MODL Low-Carbon' scenarios

Milestone 2 – Community Emissions Reduction Target

Staff recommendation presented to Sustainability Committee

“Set a community greenhouse gas emissions reduction target of 30% below the 2019 baseline emissions level by 2030, 65% below the 2019 baseline emissions by 2040, and achieve net-zero greenhouse gas emissions by 2050”

Top-down considerations

- Target is in alignment with Federal and Provincial emission reduction targets
- Target is in alignment with international efforts to limit global temperature rise to 1.5°C



Milestone 2 – Community Emissions Reduction Target

Staff recommendation presented to Sustainability Committee

“Set a community greenhouse gas emissions reduction target of 30% below the 2019 baseline emissions level by 2030, 65% below the 2019 baseline emissions by 2040, and achieve net-zero greenhouse gas emissions by 2050”

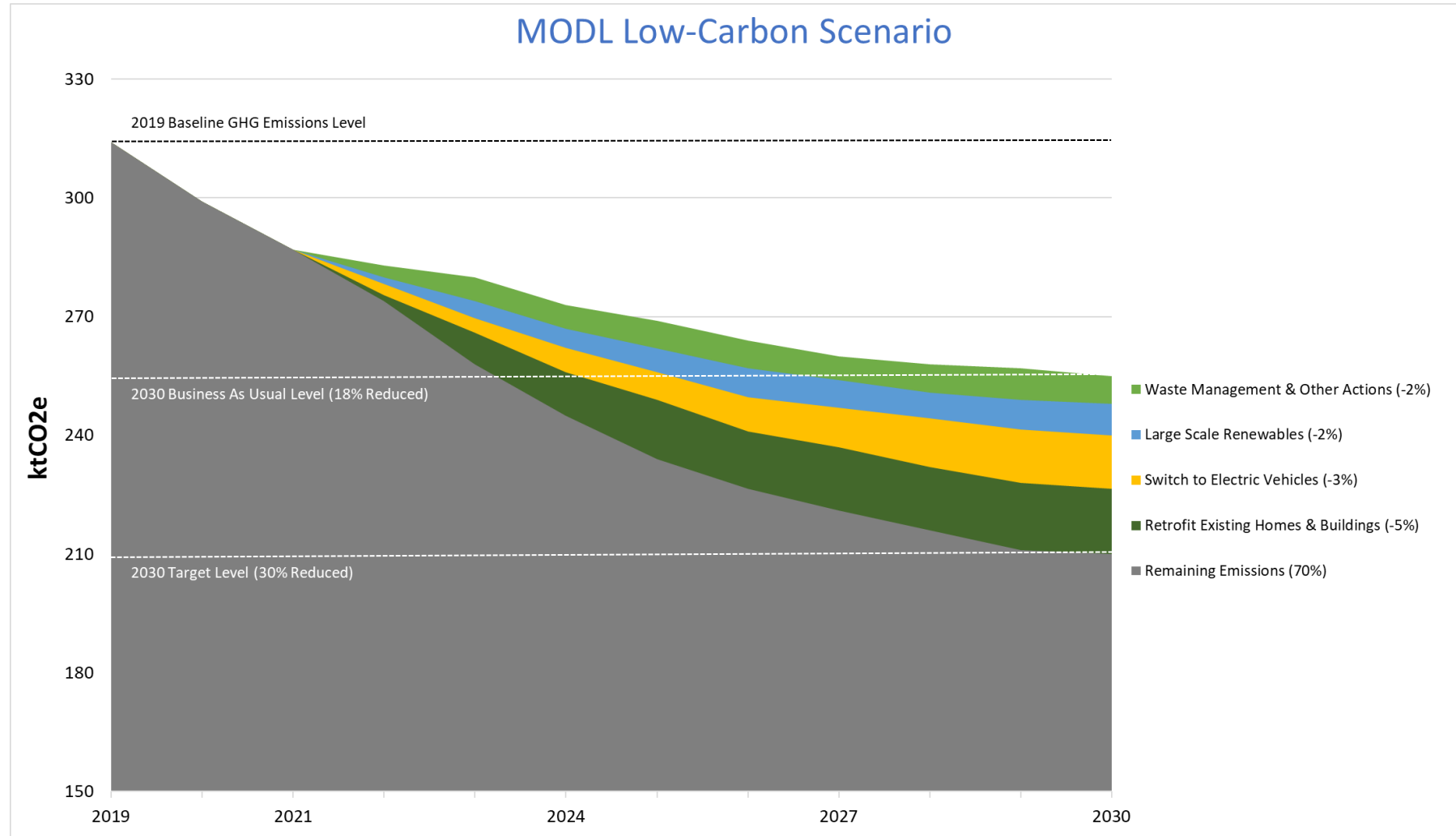
Bottom-up considerations

- Target is aspirational and achievable
- Modeling Scenarios:
 - Business As Usual Scenario (if the Municipality doesn't act)**
 - It is estimated that the Community GHG emissions will reduce by 18% below 2019 baseline level by 2030
 - MODL Low Carbon Scenario (If the Municipality acts)**
 - Additional 12% GHG emissions can be reduced below 2019 baseline level by 2030 through the implementation of LCCAP



Milestone 2 – Community Emissions Reduction Target

MODL Low-Carbon Scenario



Milestone 2 – Community Emissions Reduction Target

Limitations, Strengths and Weaknesses

Limitations of modelling

- It undermines the actions being taken by the community members on its own
- Inability to predict future policies and plans of upper levels of governments

Strengths in achieving an emissions reduction target

- Clean energy transition is happening on its own. Good example is net-metering interconnection stats
- Upper levels of government are aggressively investing in clean energy future. Good example is recent launch of CMHC loan program



Additional Information

Net-metering interconnections

Enhanced Net Metering Report

As of December 31, 2021

By Resource:	2021 January 1, 2021 - December 31, 2021			Cumulative Totals As of December 31, 2021		
	No. of Interconnections	Nameplate Capacity (kW/AC)	Est. Annual Generation (kWh)	No. of Interconnections	Nameplate Capacity (kW/AC)	Est. Annual Generation (kWh)
Solar	1,638	14,066.41	15,165,507	4,022	33,145.20	36,451,974
Wind	-	-	-	64	698.20	1,811,903
Hydro	-	-	-	1	10.00	8,364
Biomass	-	-	-	-	0.00	-
Combination/Other	-	-	-	6	43.73	78,451
Total	1,638	14,066.41	15,165,507	4,093	33,897.13	38,350,692

By Location:	2021 January 1, 2021 - December 31, 2021			Cumulative Totals As of December 31, 2021		
	No. of Interconnections	Nameplate Capacity (kW/AC)	Est. Annual Generation (kWh)	No. of Interconnections	Nameplate Capacity (kW/AC)	Est. Annual Generation (kWh)
Annapolis County	46	395.68	435,179	135	1,023.46	1,157,562
Antigonish County	36	287.51	309,793	134	1,132.50	1,249,727
Cape Breton County	29	316.90	341,459	136	1,266.55	1,500,767
Colchester County	126	1,317.17	1,420,423	249	2,364.49	2,616,910
Cumberland County	49	378.81	406,991	90	692.40	855,359
Digby County	27	241.49	260,137	73	639.28	803,483
Guysborough County	9	71.72	77,278	19	144.92	164,132
Halifax County	850	6,938.81	7,499,659	2043	16,353.12	18,551,485
Hants County	109	972.83	1,048,218	200	1,688.76	1,846,696
Inverness County	11	112.74	121,480	59	477.93	536,201
Kings County	136	1,128.35	1,334,675	404	3,338.09	3,934,124
Lunenburg County	79	664.57	716,071	217	1,743.50	1,942,011
Pictou County	64	602.39	649,787	137	1,284.23	1,420,327
Queens County	12	79.82	86,004	28	202.74	230,568
Richmond County	12	99.98	107,727	62	462.48	530,516
Shelburne County	9	33.68	36,251	22	130.18	154,218
Victoria County	6	48.92	52,710	26	223.45	264,656
Yarmouth County	31	251.09	271,625	59	529.03	583,928

Est. Sales Reductions:	2021 January 1, 2021 - December 31, 2021		Cumulative Totals As of December 31, 2021	
	Est. Annual Energy Displacement (kWh)	Est. Annual Value (\$)\$*	Est. Annual Energy Displacement (kWh)	Est. Annual Value (\$)\$*
Solar	15,165,507	\$ 2,427,694.36	36,451,974.0	\$ 5,835,232.00
Wind	-	-	1,811,903.0	\$ 290,049.43
Hydro	-	-	8,364.0	\$ 1,338.91
Biomass	-	-	-	\$ -
Combination/Other	-	-	78,451.0	\$ 12,558.44
Total	15,165,507	\$ 2,427,694.36	38,350,692	\$ 6,139,178.78

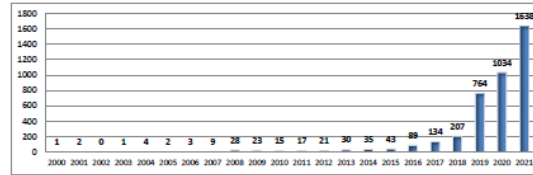
Payouts:	2021 January 1, 2021 - December 31, 2021		Cumulative Totals As of December 31, 2021	
	Energy (kWh)	Payout (\$)\$	Year	Payout (\$)\$
January	193,213.0	\$ 29,828.47	2021	\$ 269,232.61
February	49,074.0	\$ 7,256.34	2020	\$ 101,109.16
March	187,441.0	\$ 30,008.75	2019	\$ 50,187.92
April	245,143.0	\$ 39,280.81	2018	\$ 32,513.44
May	176,146.0	\$ 28,175.03	2017	\$ 15,750.96
June	167,727.0	\$ 26,908.10	2016	\$ 9,059.53
July	39,956.0	\$ 6,415.55	2015	\$ 5,162.42
August	45,947.0	\$ 7,344.61	2014	\$ 4,333.78
September	68,922.0	\$ 11,013.54	2013	\$ 3,883.64
October	68,559.0	\$ 10,974.92	2012	\$ 1,710.77
November	45,482.0	\$ 7,754.43	2011	\$ 9.78
December	135,520.0	\$ 37,660.06		
Total	1,523,140.0	\$ 243,132.61	Total	\$ 466,754.01

Trends

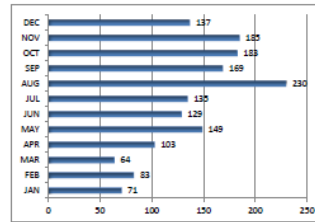
Year	No. of Interconnections	Nameplate Capacity (kW/AC)	Avg. Nameplate Capacity (kW/AC)	Resource				
				Solar	Wind	Hydro	Biomass	Other
2021	1,638	14,066.41	8.59	1,638	0	0	0	0
2020	1,034	8,663.12	8.38	1,034	0	0	0	0
2019	764	6,018.88	7.88	764	0	0	0	0
2018	207	1,622.61	7.84	206	1	0	0	0
2017	134	1,011.10	7.55	133	0	1	0	0

* 2020 data adjusted to reflect records not captured in previous report

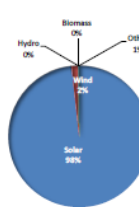
Number of Interconnections by Year:



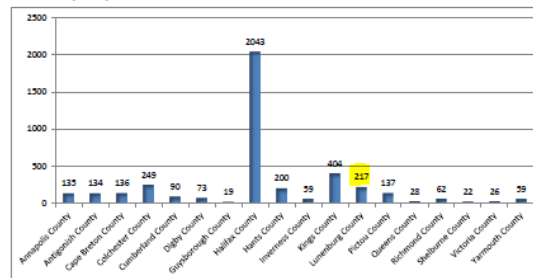
Number of Interconnections by Month (2021):



Total Active by Resource:



Total Active by County:



Milestone 2 – Community Emissions Reduction Target

Limitations, Strengths and Weaknesses

Limitations of modelling

- It undermines the actions being taken by the community members on its own
- Inability to predict future policies and plans of upper levels of governments

Strengths in achieving an emissions reduction target

- Clean energy transition is happening on its own. Good example is net-metering interconnection stats
- Upper levels of government are aggressively investing in clean energy future. Good example is recent launch of CMHC loan program



Additional Information

CMHC (Canada Mortgage and Housing Corporation) Loan

Canada Greener Homes Grants

Launched in 2020, administered by NRCan through EfficiencyNS
Grants of up to \$5,000 plus up to \$600 for home-energy evaluation

CMHC Loans

Launched on June 17, 2022 federal government will provide \$4.4 billion in interest-free loans, of up to \$40,000 per household, helping up to 175,000 homeowners complete extensive home retrofits on their principal residence.

Loan details:

Maximum: \$40,000

Minimum: \$5,000

Repayment term: 10 years, interest-free

Loan type: Unsecured personal loan on approved credit



Milestone 2 – Community Emissions Reduction Target

Limitations, Strengths and Weaknesses

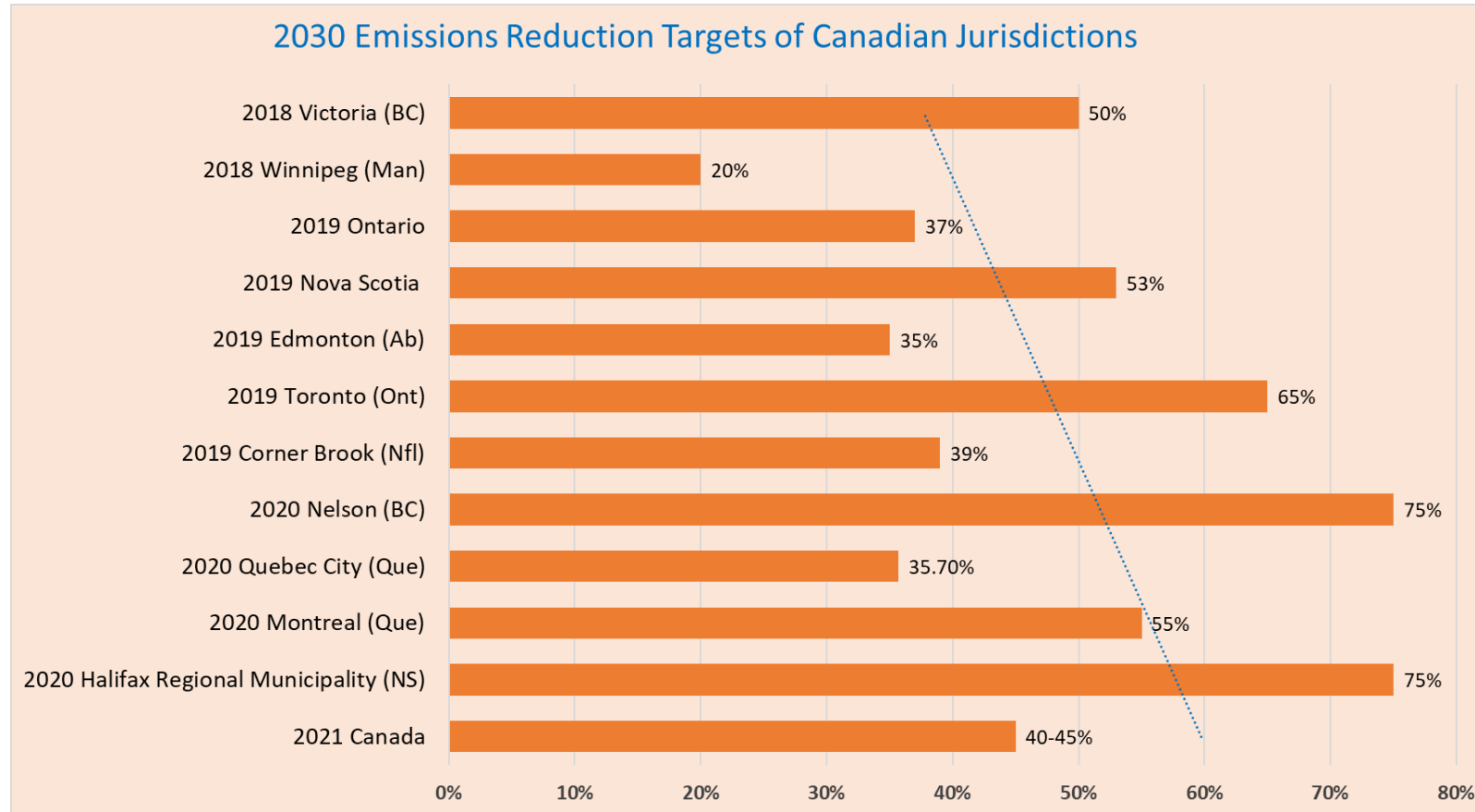
Weaknesses in achieving an emissions reduction target

- Geographically isolated communities pertaining to low reachability
- Low awareness amongst community members of ongoing municipality's initiatives
- Limited resources capacity, ineffective intermunicipal collaboration, and lack of coordination amongst community champions
- Lower control over community actions



Milestone 2 – Community Emissions Reduction Target

Jurisdictional scan for comparison



Milestone 2 – Community Emissions Reduction Target

Motion - Sustainability Committee Recommendation

“Set a community greenhouse gas emissions reduction target of 36% below the 2019 baseline emissions level by 2030, 70% below the 2019 baseline emissions by 2040, and achieve net-zero greenhouse gas emissions by 2050”

Staff recommendation presented to Sustainability Committee:

“Set a community greenhouse gas emissions reduction target of 30% below the 2019 baseline emissions level by 2030, 65% below the 2019 baseline emissions by 2040, and achieve net-zero greenhouse gas emissions by 2050”

Alternatives

Municipal Council can:

- Direct staff to revise the emissions reduction target; or
- Adopt an emissions reduction target other than the one recommended by the staff or Sustainability Committee



Next Steps

- **June 28, 2022:** Council reviews Sustainability Committee's recommendations and approve a community emissions reduction target
- **July 14, 2022:** Sustainability Committee reviews and make recommendations to the Council to approve LCCAP's final list of actions
- **July 26, 2022:** Council reviews and approve the LCCAP's final list of actions



Thank you

