



GREEN ENERGY AND CLIMATE CHANGE WORKING GROUP MINUTES

Friday, September 16th, 2022
10:00 a.m.
Council Chambers

ATTENDANCE:

Members Present: Chair, Deputy Reeve Barrie Crampton
Bob Argue
Jennifer Dickson
Douglas Barr

Members Absent: Councillor Rob Rainer
David Poch
Peter Nelson

Staff Present: Noelle Reeve, Planner
Allison Playfair, Planning Administrative Assistant,
Recording Secretary

1. CALL TO ORDER

The meeting was called to order at 10:08 a.m.
A quorum was present.

2. AMENDMENTS/APPROVAL OF AGENDA

The agenda was approved as printed.

3. DISCLOSURE OF PECUNIARY INTEREST AND/OR CONFLICT OF INTEREST AND GENERAL NATURE THEREOF

None at this time.

4. APPROVAL OF MINUTES

i) Minutes – June 3rd, 2022

The minutes of the Green Energy and Climate Change Working Group Meeting held on June 3rd, 2022, were approved as presented.

5. DELEGATIONS & PRESENTATIONS

None.

6. BUSINESS

i) Climate Action Plan

- Ministry of Energy Comment opportunity on the Development of A Clean Energy Credit Registry – Noelle Reeve, Planner

Clean Energy Credits (CECs) are “instruments derived from the positive environmental attributes (EAs) associated with clean electricity generation projects. CECs are certificates that represent one megawatt-hour (MWh) of clean electricity that has been generated from a non-emitting source, such as solar, wind, bioenergy, hydroelectric and nuclear power.”

Many companies have set a corporate target of 100 per cent clean electricity generation and consumption. Some Ontario corporations and individuals already voluntarily purchase CECs to meet their corporate sustainability goals. There is, however, no official centralized registry that tracks and enables the purchase of CECs for electricity generated and consumed in Ontario. CECs and voluntary registries exist in other competing North American jurisdictions.

The Planner would like some general thoughts from the Working Group on the province’s proposed clean energy credit registry to encourage renewables.

- Building Condition Assessment Report – Noelle Reeve, Planner

The Planner informed the Working Group that a Building Conditions Assessment Report has been prepared by McIntosh Perry and a summary was presented to Committee of the Whole on August 9, 2022 by the Public Works Manager. The report noted each asset the Township owns and what the condition the buildings are in and what is recommended to be partly renovated or in need of a full renovation.

This summary was prepared to allow the Treasurer to know how much taxes would need to increase in the future to be able to complete the repairs or replacement of the buildings. Most of the comments from the consultants

were for minor alterations (e.g., roof and siding). The Planner would like comments from the Working Group for ideas on energy efficient improvements when assets are repaired or replaced to implement the Township's Climate Action Plan.

- 2023 Budget

A discussion was held by the Working Group about the 2023 Budget. It was noted that the County of Lanark had a climate action budget line item for 2022 in the amount of \$200,000.00. Approximately \$75,000 will be spent from that budget so the County is expected to establish a Climate Action reserve.

Because Tay Valley Township has adopted a Climate Action Plan that will require funding to implement some of its requirements, and the Federation of Canadian Municipalities (FCM) energy efficiency and climate action grants require a 20% contribution from the recipient, the Green Energy Climate Change Working Group recommends to Council that Tay Valley establish a line item in the budget for climate action implementation, and that Tay Valley establish a climate action implementation reserve.

The Working Group also requested that Deputy Reeve Barrie Crampton and Councillor Rob Rainer propose the budget line item and reserve for the 2023 Budget.

ii) **Communications**

- Lanark County Climate Change Committee Update

Bob Argue updated the Working Group on the County's Climate Change Committee. He noted that there were two meetings one June 20th, 2022 and one in September (see attachment 1). Bob Argue presented on the climate lens tool in June, which was received very well. Adoption will be discussed at the next County Council meeting - *attached page 7*.

- Economics of Heat Pumps

The Planner reported that the Clean Air Council of Ontario has prepared a report on economics of heat pumps, *An Analysis of the Financial and Climate Benefits of Electrifying Ontario's Gas-Heated Homes by Installing Air-Source Heat Pumps*. The report concluded that heat pumps are better, more energy efficient, more cost effective (in Ontario at least) and better for the planet than gas heating systems.

https://www.cleanairalliance.org/wp-content/uploads/2022/08/Heat-Pump-Report-gas-heated-2022-8.5x11-aug-02-v_01.pdf

The Working Group suggested adding the document to the Township Green Energy Climate Change webpage and doing an eblast for Tay Valley Township residents.

- Electric Vehicle Charging Station Grant Opportunities

Deputy Reeve Barrie Crampton advised the Working Group that he had met the owner of the Maberly Fall River restaurant and that would be a good place for a charging station, and The Working Group should see what funding programs are available.

7. NEW AND OTHER BUSINESS

The Planner explained that the new Council would be inaugurated November 15th and there would be a Striking committee of Council members to review applications to Township Working Groups and Committees. The Clerk expects to have notices in the paper mid-October calling for people to express interest. The intention would be for appointments to be made by Council in December.

The Working Group put forward a motion recommending the continuation of the Green Energy and Climate Change Working Group.

RESOLUTION #GECCWG-2022-01

MOVED BY: Bob Argue

SECONDED BY: Doug Barr

“WHEREAS, the Green Energy and Climate Change Working Group provides expertise to implement the Township’s Climate Action Plan;

WHEREAS, the Green Energy and Climate Change Working Group increases the communication capacity of the Township on green energy issues;

WHEREAS, the Green Energy and Climate Change Working Group identifies cost reduction and energy saving opportunities to the Township;

WHEREAS, the Green Energy and Climate Change Working Group identifies funding opportunities for the Township;

AND WHEREAS, the Green Energy and Climate Change Working Group enhances the Township’s ability to respond to changing federal and provincial requirements;

NOW THEREFORE BE IT RESOLVED THAT, the Green Energy and Climate Change Working Group recommends the continuation of its mandate under the next term of Council.”

ADOPTED

8. NEXT MEETING DATE AND PROPOSED AGENDA ITEMS

Next Meeting: TBD

9. DEFERRED ITEMS

**The following items will be discussed at the next and/or future meeting:*

- None

10. ADJOURNMENT

The Working Group adjourned at 11:22 a.m.


Chair


Secretary

BUSINESS



Report #PW-25-2022 Climate Action Committee Updates

Public Works Committee

September 28th, 2022

Michelle Vala, Climate Environmental
Coordinator

PURPOSE

The purpose of this report is to provide an update on:

- The Climate Action Tables for review
- The 2022 planned expenditures for approval

Attachments

1. Corporate Climate Action Table
2. Community Climate Action Table



BACKGROUND – Climate Action Tables

- The Climate Action Committee compiled a long list of climate actions that started in November 2021
- The long list was prioritized using 5 prioritization criteria and 6 guiding principles
- A new table was created for corporate and community actions with more details (e.g. funding, cost, person responsible, GHG reduction potential, feasibility, etc.)
- The Public Works Committee reviewed and provided feedback on the corporate and community climate action tables at a special meeting on June 30th, 2022



BACKGROUND – Climate Action Budget

\$200,000 was allocated for climate actions in the 2022 budget

- \$150,000 is offset by Provincial Modernization Funding
- Approximately \$25,000 has been spent to date on climate actions
- The Climate Action Committee approved \$75,000 in 2022 expenditures
- Over \$100,000 remains to be allocated for 2022



DISCUSSION – Climate Action Tables

- The Climate Action Committee reviewed the feedback and suggested changes by the Public Works Committee at their meeting in September

Final revisions by the Climate Action Committee:

- **Corporate table:** changed level of effort for goal #1 (climate lens) from difficult to medium
- **Community table:** changed the wording from supporting to investigating for goal #4.4 (Sustane Technologies Inc.)



DISCUSSION – 2022 Expenditure Table

Sector	Item / Initiative	Total (\$)
Service	Greenscale Services	\$ 25,000.00
Transportation	Local Municipal EV Program	\$ 35,000.00
Forestry	One Million Trees Program (giveaway)	\$ 10,000.00
Buildings & Energy	Sustainably.eco Program (membership renewal)	\$ 5,000.00
	EXPENDENTURE	\$ 75,000.00
	REMAINING BUDGET	\$ 100,212.77

\$75,000 of the 2022 budget will be used to cover:

1. Additional Climate Action Plan services where a consultant with expertise in climate action planning is required
2. Costs to administer 3 ongoing climate programs in 3 major sectors:
 - Transportation
 - Forestry
 - Buildings & Energy



STAFF RECOMMENDATIONS

“THAT, the Public Works Committee recommend County Council adopt the corporate and community climate action tables;

AND THAT, the Public Works Committee approve the 2022 climate action expenditures.”



DISCUSSION – Planned Expenses

- **Greenscale services:** Greenscale is to review the GHG emissions inventory and estimate the potential GHG emission reductions based on climate actions. Services will also include providing support to staff on GHG emissions and setting targets
- **Local Municipal Electric Vehicle Program:** Local municipalities will be encouraged to purchase an electric vehicle for their corporate fleet and receive up to \$5,000 in compensation from Lanark County
- **One Millions Trees Program:** Lanark County to host a fall tree giveaway with the potential to include native pollinator seed to promote pollinator habitat
- **Sustainably.eco Program:** In partnership with Sustainable Kingston, Lanark County has provided 9 free memberships to local businesses wanting to expand their green initiatives. This program is to be reviewed prior to extending memberships.

Corporate Climate Action Table

Mission Statement: Develop a climate lens tool for County staff to evaluate the climate impact of purchases and decisions based on the four pillars of Sustainable Lanark (i.e. cultural, economic, environmental, and social pillars)

Guiding Principle	#	Goal	POTENTIAL BENEFITS	COST AND FUNDING SOURCE	PERSON OR DEPARTMENT RESPONSIBLE	APPROXIMATE TIMEFRAME FOR COMPLETION	EXPECTED GHG REDUCTION	LEVEL OF EFFORT
1. Create a climate conscious culture and community	1	Modify all Council reports to include a section for climate impact to assess every Council decision using the climate lens tool for whether it reduces or eliminates the use of fossil fuels and adheres to the four pillars of Sustainable Lanark	Reduce fossil fuels, encourage a climate conscious culture	None	CAO / Clerk	Short-term	Indirect; Medium	Medium
	2	Raise staff awareness of corporate climate initiatives through mini campaigns	Encourage local climate action and a climate conscious culture	None	Climate Environmental Department	Mid-term	Indirect; Low	Simple
	3	Launch an Off Nightly/Mini campaign to encourage staff to turn off computers, printers and lights over night or when not in use	Reduce energy consumption, encourage a climate conscious culture	None	Climate Environmental Department	Short-term	Indirect; Low	Simple
2. Eliminate fossil fuels	4	Upgrade 16 gas and 3 diesel fleet vehicles to electric vehicles by 2030 when electric vehicles are available / vehicles reach end of life	Reduce fossil fuels, increase EV uptake	High; Public Works Budget	Director Public Works	Long-term	Direct; High	Medium
	5	The procurement of any replacement or new County fleet or equipment be electric in nature, unless an electric option is not available.	Reduce fossil fuels	Medium; Public Works Budget	Director Public Works	Short-term	Direct; Medium	Medium
	6	All new hand power tool purchases to be electric	Reduce fossil fuels, encourage local climate action	Low; Public Works Budget	Director Public Works	Short-term	Direct; Low	Simple
	7	Plan for the rebuild of all County buildings to be net zero	Reduce fossil fuels, reduce energy costs, reach net zero	High; County Budget	CAO	Long-term	Direct; High	Difficult
	8	Install electric vehicle charging stations at the county administration buildings for County fleet charging and for staff, councillors or the public to use	Reduce fossil fuel consumption, encourage a climate conscious culture	Medium; Public Works / CC Budget	Facilities Coordinator	Short-term	Indirect; Low	Medium
3. Maximize energy efficiencies and increase renewable energy generation	9	Conduct a building automation system maintenance/commissioning	Reduce fossil fuel consumption, reduce energy costs	Low; County Budget	Facilities Coordinator	Short-term	Direct; Medium	Simple
	10	Install solar systems on municipal buildings where possible	Increase renewable energy generation, reduce fossil fuel consumption	Medium; County Budget	Facilities Coordinator	Long-term	Direct; Medium	Difficult
	11	Install motion sensors for indoor lighting and automatic timers on all equipment that can be turned off at night	Reduce energy consumption	Low; County Budget	Facilities Coordinator	Short-term	Direct; Low	Simple
	12	Optimize heating and cooling efficiency in all County buildings to reduce energy consumption	Reduce energy and fossil fuel consumption	None	Facilities Coordinator	Short-term	Direct; Medium	Simple
4. Reduce waste	13	Join the Blue Communities Project and phase out the sale of bottled water in municipal facilities and at municipal events	Reduce plastic waste, encourage a climate conscious culture	None	Climate Environmental Department & Local Municipalities	Short-term	Indirect; Low	Medium
	14	Install water refill stations in all municipal buildings to replace water coolers	Reduce fossil fuels from water transportation, reduce plastic waste	Low; County Budget	Facilities Coordinator	Mid-term	Indirect; Low	Medium
	15	Launch an enhanced recycling program for plastic, glass, metal and food waste (i.e. Terracycle 25% of waste)	Increase recycling, divert waste from landfills	Low; County Budget	Climate Environmental Department	Short-term	Indirect; Low	Medium
	16	Purchase 100% recycled paper	Reduce waste, encourage a climate conscious culture	Low; County Budget	All departments	Short-term	Indirect; Low	Simple

Legend					
	low <\$10,000 medium \$10,000 - \$100,000 high >\$100,000		short-term 1-2 years mid-term 3-6 years long-term 7-10 years		
Definition					
TBD To be determined	GMF = Green Municipal Fund CC budget = Lanark County Climate Change budget	CAO - Chief Administration Officer		direct = directly reduces GHGs (measurable) indirect = indirectly reduces GHGs (not measurable)	