

Programs and Advice for Municipalities

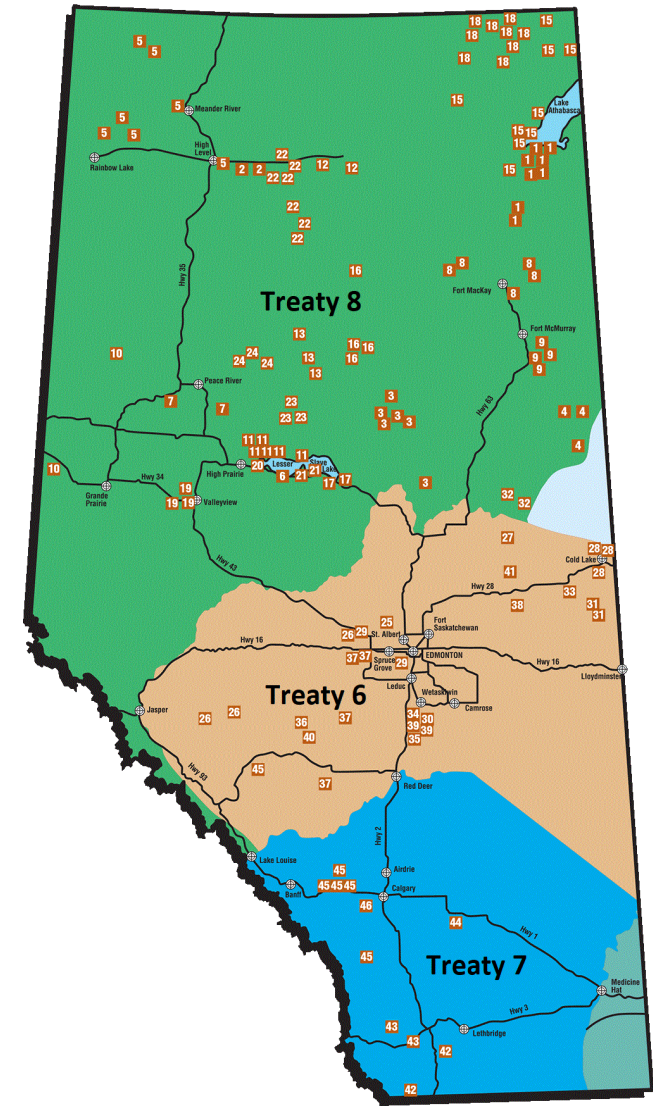


Municipal
Climate Change
Action Centre

Acknowledgement

We would like to respectfully acknowledge that this presentation is being presented in Treaty 6 territory.

We acknowledge all the many First Nations, Métis, and Inuit whose footsteps have marked these lands for centuries, and whose presence continues to enrich our vibrant communities.




Funders and Partners

The Municipal Climate Change Action Centre provides funding, technical assistance, and education to support Alberta municipalities in addressing climate change.

The Municipal Climate Change Action Centre is a partnership between the Government of Alberta, the Alberta Urban Municipalities Association, and Rural Municipalities of Alberta.



Agenda

1. Our impact in Alberta
 2. Advisory services
 3. Funding programs
- 

Our Impact



From Projects Completed Over the Past Ten Years

130

Municipalities in Alberta have participated in our programs

400

Projects completed with MCCAC funding

227,000

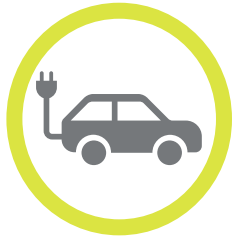
Tonnes of lifetime greenhouse gas emissions (CO₂e) avoided

\$40M

In lifetime energy savings

Programs

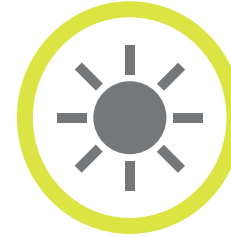




**Electric Vehicles
for Municipalities
Program**



**Recreation Energy
Conservation
Program**



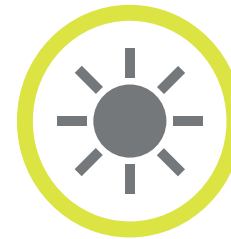
**Alberta
Municipal Solar
Program**



**Municipal Energy
Manager Program**



**Partners for Climate
Protection Program**



**Solar for Schools
Program**



Partners For Climate Protection Program



ADVISORY SERVICES

Partners For Climate Protection Program

- Network of Canadian municipalities committed to taking action on climate change.
- Free training, resources and advice with Regional Climate Advisors.

Energy Advisory Services Pilot Program

- Currently under development.

Program Participation

25

municipalities

16

implemented local
action plans

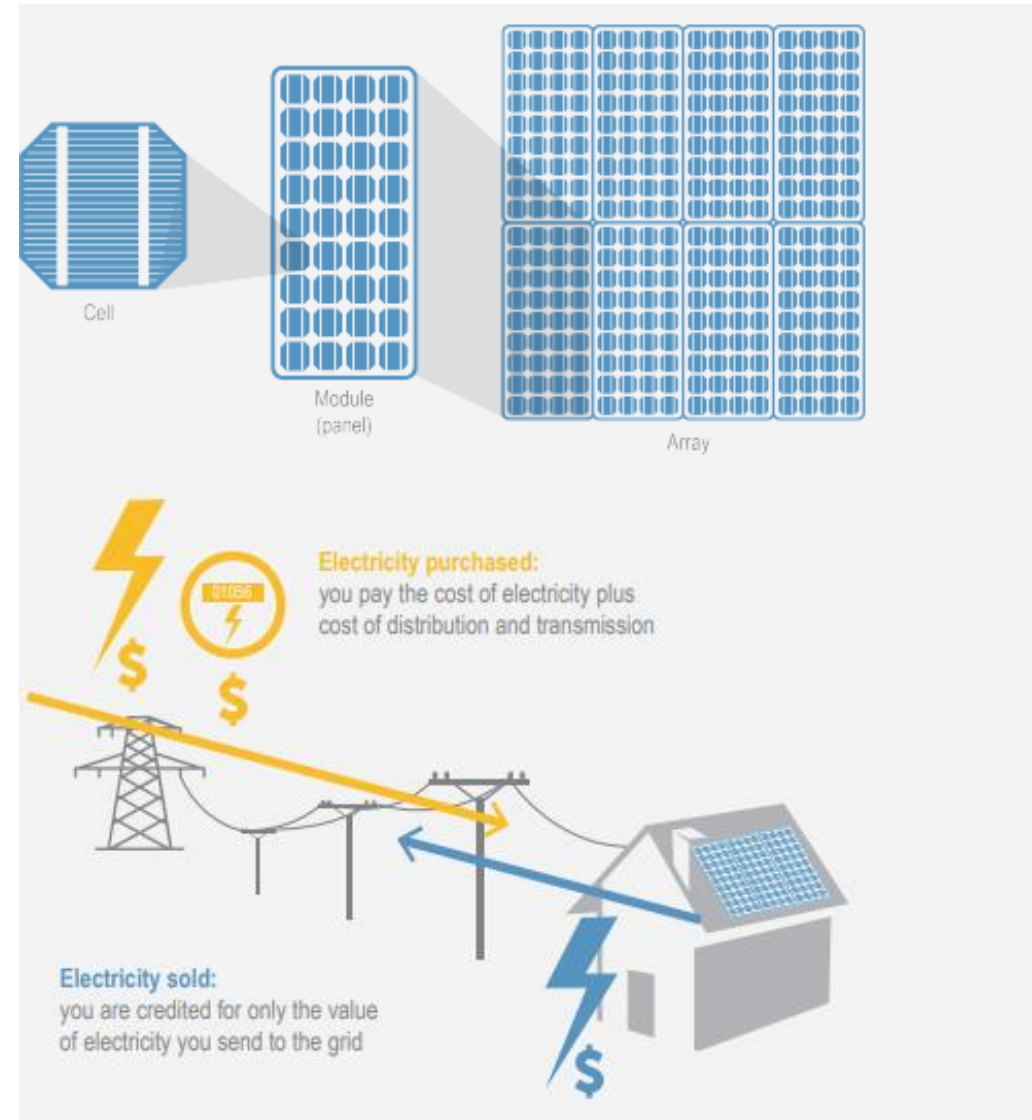
Program launched July 2019. Statistics as of September 2019.

Alberta Municipal Solar Program

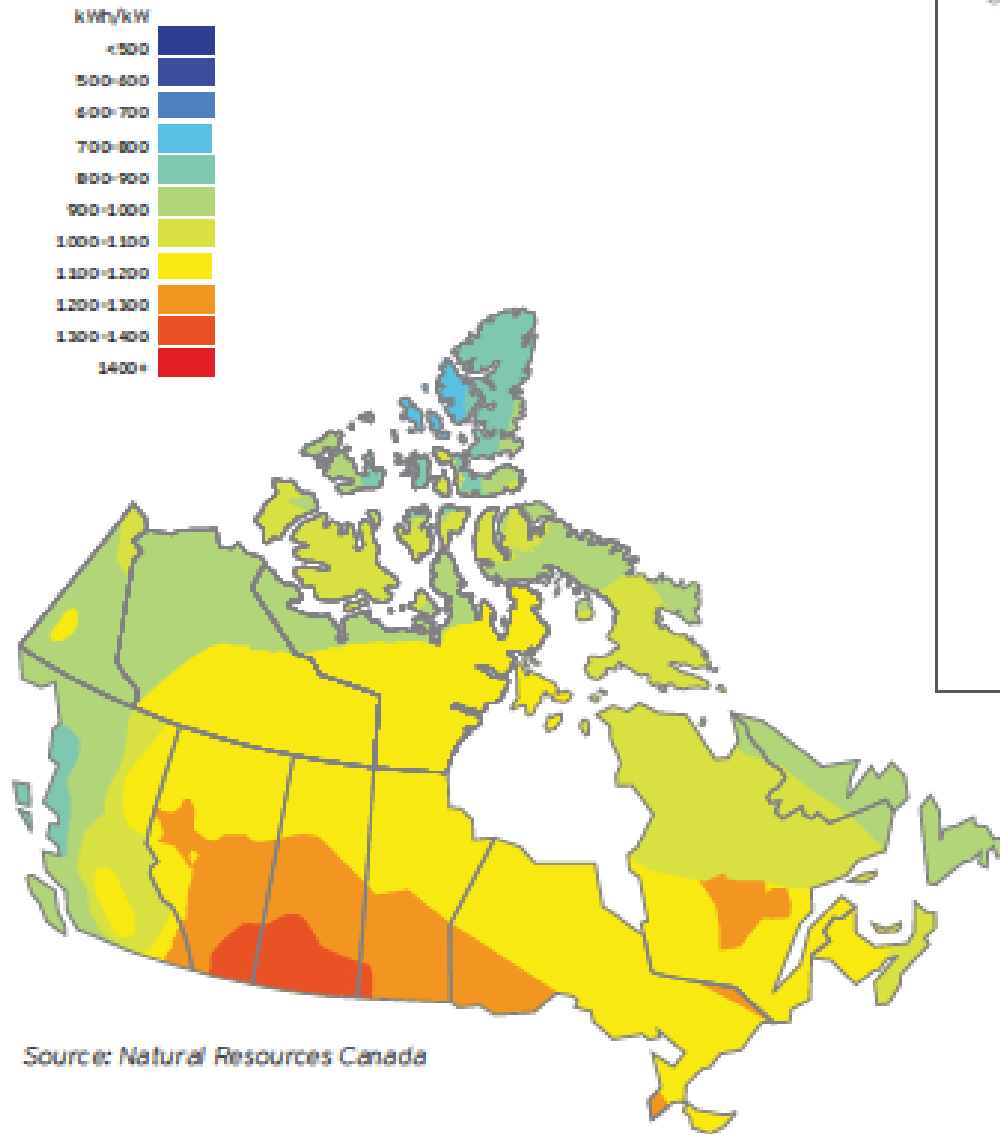


What is Solar PV?

- Renewable energy technology
- Converts energy from the sun into electricity



Why choose Solar PV?



Rebates

TOTAL INSTALLED CAPACITY (DC)	REBATE
Less than 10 kilowatts	\$0.90/Watt
10 kilowatts to 150 kilowatts	\$0.75/Watt
150 to 2 megawatts	\$0.60/Watt
2 megawatts to 5 megawatts	\$0.55/Watt



Funding bonus for first-time applicants

- Additional \$0.25/watt is available to municipalities that have not previously participated in the AMSP, for their first project
- Maximum of \$250,000 per project
- The bonus rebate is applied in addition to the 30% maximum

Program Participation

84

municipalities

65

projects completed with
MCCAC funding

5.5 MW

installed capacity

3,911

Tonnes of GHG emissions
(CO₂e) reduced annually

Program launched February 2016. Statistics as of September 2019.

Village of Warner

EST. 2019



Municipal
Climate Change
Action Centre

mccac.ca

Village of Warner

3

solar PV installations
completed with MCCAC funding

\$63,645

total funding from MCCAC

2,151

tonnes of lifetime greenhouse
gas emissions (CO₂e) avoided

\$13,446

in annual energy savings that
can be directed to other projects

Recreation Energy Conservation Program



Eligible Facilities

- Arenas
- Ice rinks and curling rinks
- Aquatic centres
- Dry sport centres
- Multiplexes
- Other recreation facilities, on a case-by-case basis

Eligible Measures

- Interior and exterior lighting
- Building automation systems
- Motion sensors and thermostats
- Insulation upgrades and heating & ventilation systems
- Motors including high-efficiency motors
- Combined heat and power systems

Rebates

Scoping Audits

100%

Engineering Study

100%

Implementation
Projects

75%

Funding cap

\$750K

Program Participation

28

Municipalities

36

Projects completed with
MCCAC funding

1.8 M

Rebates allocated

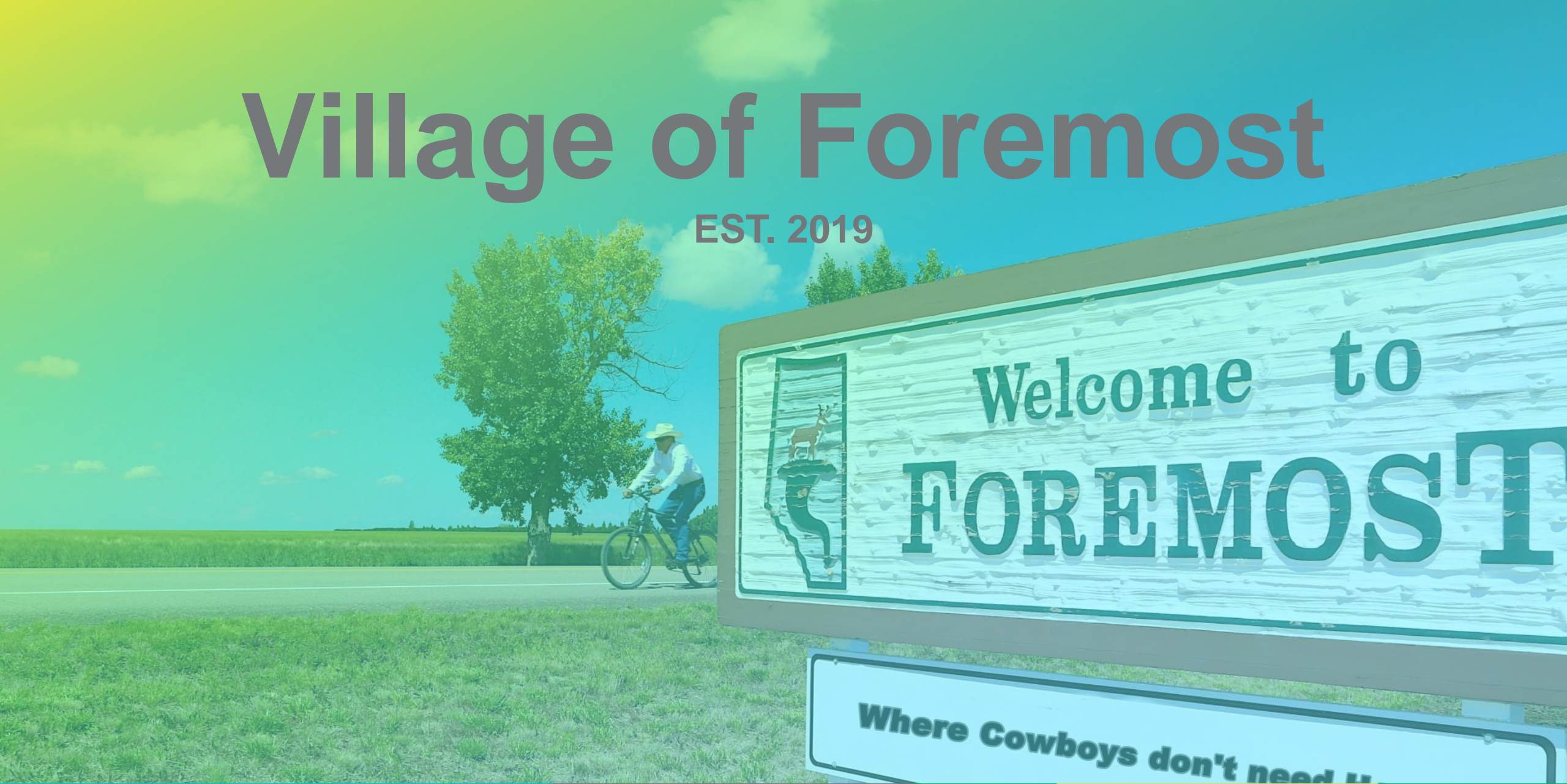
903

Tonnes of GHG emissions
(CO₂e) reduced annually

Program launched March 2019. Statistics as of September 2019.

Village of Foremost

EST. 2019



Village of Foremost

1

Scoping audit completed
with MCCAC funding

\$9,197

Estimated project cost

Lighting

will be retrofitted in the
Foremost Civic Centre

\$9,197

from MCCAC upon completion
of implementation project

Electric Vehicles for Municipalities



Why electric vehicles?

- Energy efficient technology
- Minimizes costs while meeting driving needs
- Reduces GHG emissions
- Canada plans for all vehicle sales to be electric by 2040



Eligibility

- Passenger electric vehicles
- Heavy duty electric vehicles
- Non-road electric vehicles
- Level 2 and 3 charging stations
- Feasibility studies



Rebates

Feasibility Study

50%

Vehicles

4K – 50k

Charging Stations

2k

Funding cap

\$500K

Program Participation

22

Municipalities

5

Projects completed with
MCCAC funding

107,500

Rebates allocated

6

Tonnes of GHG emissions
(CO₂e) reduced annually

Program launched May 2019. Statistics as of September 2019.

Town of Okotoks

EST. 2019



Municipal
Climate Change
Action Centre

mccac.ca

Town of Okotoks

1

Low speed/non-road vehicle
purchased

\$14,299

Estimated project cost

2

other vehicle types under
consideration

\$3574.75

in funding from MCCAC



Municipal Energy Manager Program



Why apply?

- Receive funding for 80% of energy manager's salary
- Energy manager will execute an energy management plan and lead energy reduction projects
- Share the energy manager with neighbouring municipalities

Support

- CLEAResult to deliver technical advice, training, and coaching support to each energy manager hired
- Sample job descriptions, credentials/competencies checklist and other documents provided to help in the hiring process

Rebates

Year One Salary

80%

Year Two Salary

80%

Support organizations

2

Funding cap

\$160K

Program Participation

9

Municipalities

7

Energy Managers
approved

1

Partnership created to
hire energy manager

23

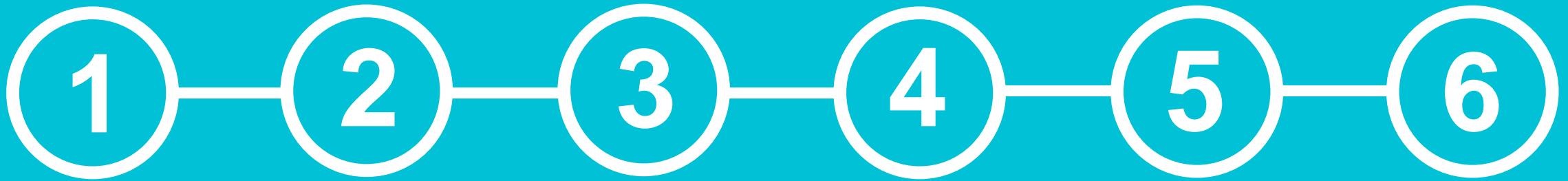
Buildings going to be
investigated by energy managers

Program launched May 2019. Statistics as of September 2019.

Municipal District of Bonnyville, City of Cold Lake and Village of Glendon

- 1st multi-municipal partnership with MEM program
- Currently in hiring process
- One of these three municipalities will be the “lead”
- All will benefit from the energy manager

Timeline



Read
program
guidebook

Submit
expression
of interest

Connect with
consultants,
allies or
advisors

Submit
application

Complete
project

Receive
funding

THANK YOU



mccac.ca



Municipal
Climate Change
Action Centre