

Municipal Energy Manager Program

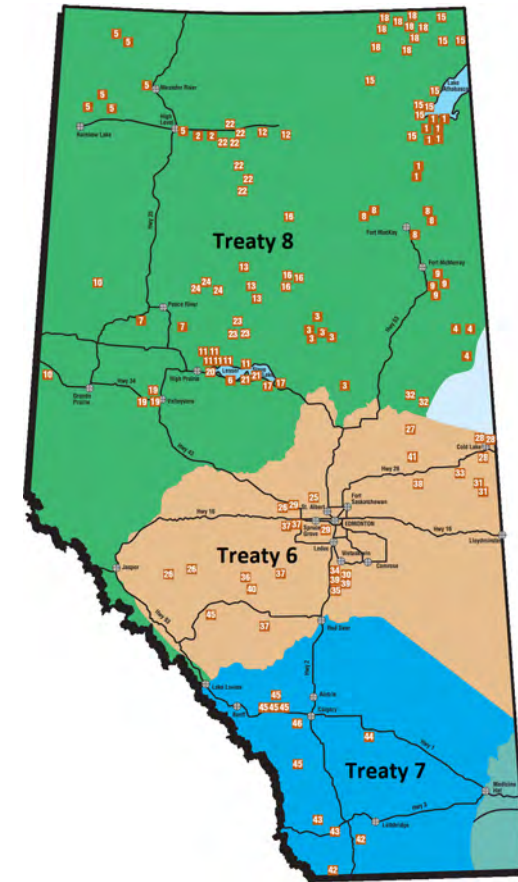


Municipal
Climate Change
Action Centre

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

Established in 2009, the Municipal Climate Change Action Centre provides funding, technical assistance, and education to support Alberta municipalities, non-profits, and schools 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. ENERGY MANAGEMENT BENEFITS
 2. ELIGIBILITY
 3. PARTNERSHIP EXAMPLE
 4. MEM DELIVERABLES
 5. TOOLS & SUPPORT
 6. FUNDING
 7. PARTICIPATION & CASE STUDIES
 8. PARTICIPATION TIMELINE
 9. QUESTION PERIOD
- 

Energy Management Benefits



Energy Management Benefits

- Save money on energy costs
- Improve system operations
- Improve occupant comfort
- Develop an energy management plan
- Reduce greenhouse gas emissions
- Build an energy conservation culture
- Form a baseline to continuously improve upon



Why Hire a Municipal Energy Manager?

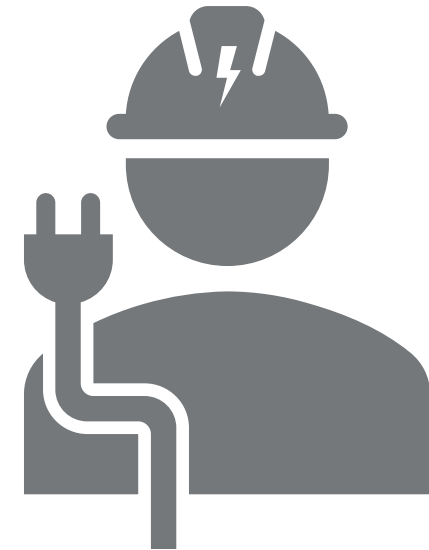
- ✓ Build internal capacity
- ✓ Develop an energy management plan to save energy and reduce GHGs
- ✓ Identify and lead energy-saving projects, including projects funded by MCCAC or other grants
- ✓ MEMs will receive training and support from our technical advisor, CLEAResult
- ✓ Funding support is available from MCCAC

Eligibility



Eligibility

- ✓ Are defined as a municipality as per the Municipal Government Act
- ✓ Are within the Province of Alberta with a population <150,000 residents
- ✓ Municipalities can partner and share a MEM across a region with other municipalities
- ✗ Recipients of the Federation of Canadian Municipalities (FCM) Municipal Climate Innovation Program (MCIP) staff grants for climate change adaptation



Municipalities can partner and share a MEM with other municipalities

Population Statistics:

- County = 6,000 residents, 7 buildings
- Town = 5,000 residents, 6 buildings
- Village = 600 residents, 2 buildings



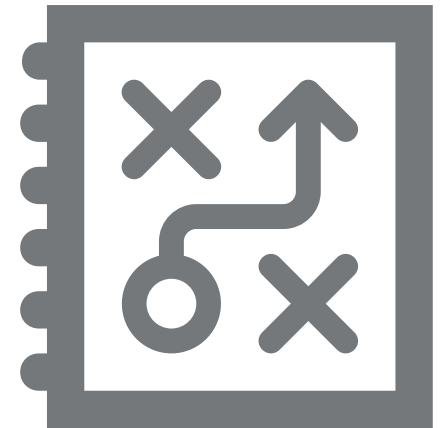
The County, Town and the Village all share one Municipal Energy Manager. The County is the primary partner, who manages the MEM, but they work within the collaborating region.

MEM Deliverables



MEM Deliverables

- ✓ Produce an Energy Management Plan with GHG reduction targets
- ✓ Internal energy expertise and capacity to apply for funding and lead projects
- ✓ Energy benchmarking and analysis of energy-saving opportunities
- ✓ Energy management assessment & organizational engagement
- ✓ Coaching, training, tools, and other supports provided by CLEAResult



Tools & Support



CLEAResult	MCCAC
Technical advice	Sample Job Description
MEM training & coaching	Skills and Behavior Checklist
Energy Mgmt tools and templates	Other supporting documents
FREE of charge	Salary funding

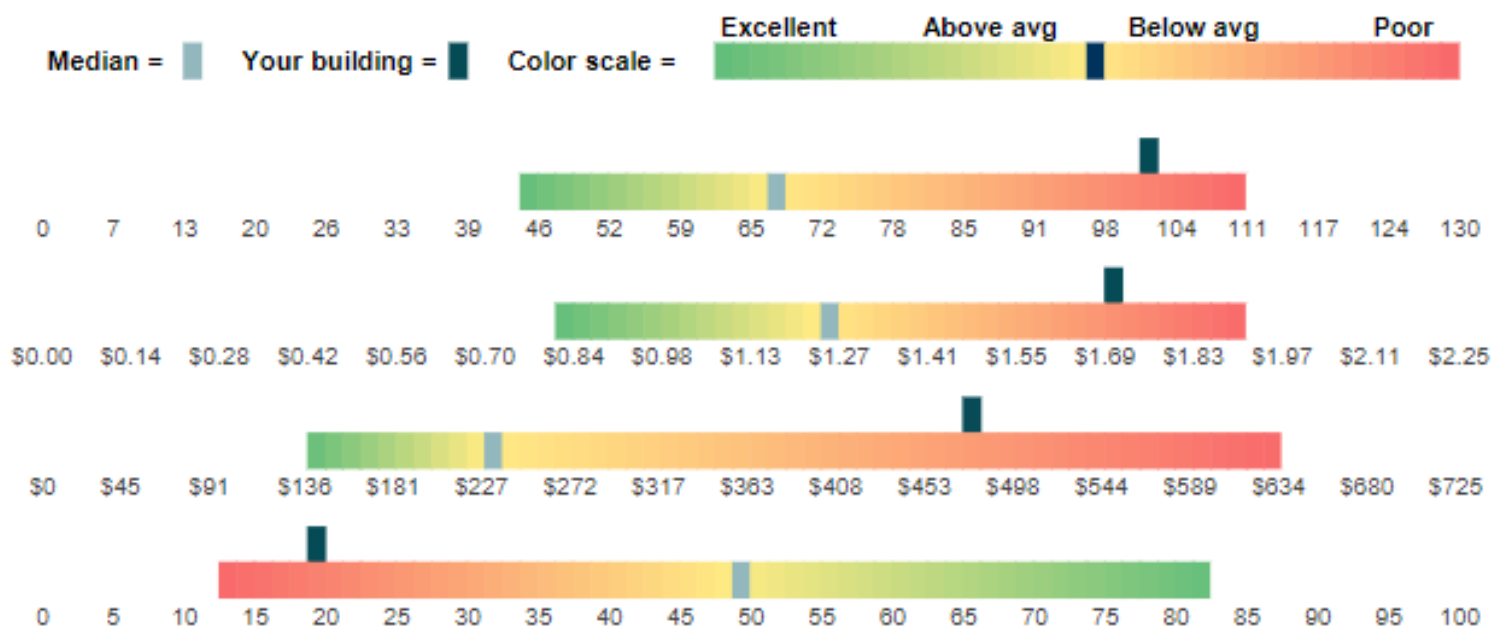


Energy performance benchmarking analysis

Building 9 / Sample Organization

Physical address, city, state

CLEAR result benchmarks	Median*	Your building
Energy use index (kBtu/sq.ft)	67.5	101.0
Energy cost index (\$/sq.ft)	\$1.24	\$1.69
Energy cost per occupant	\$230	\$480
EPA portfolio manager score	49	20

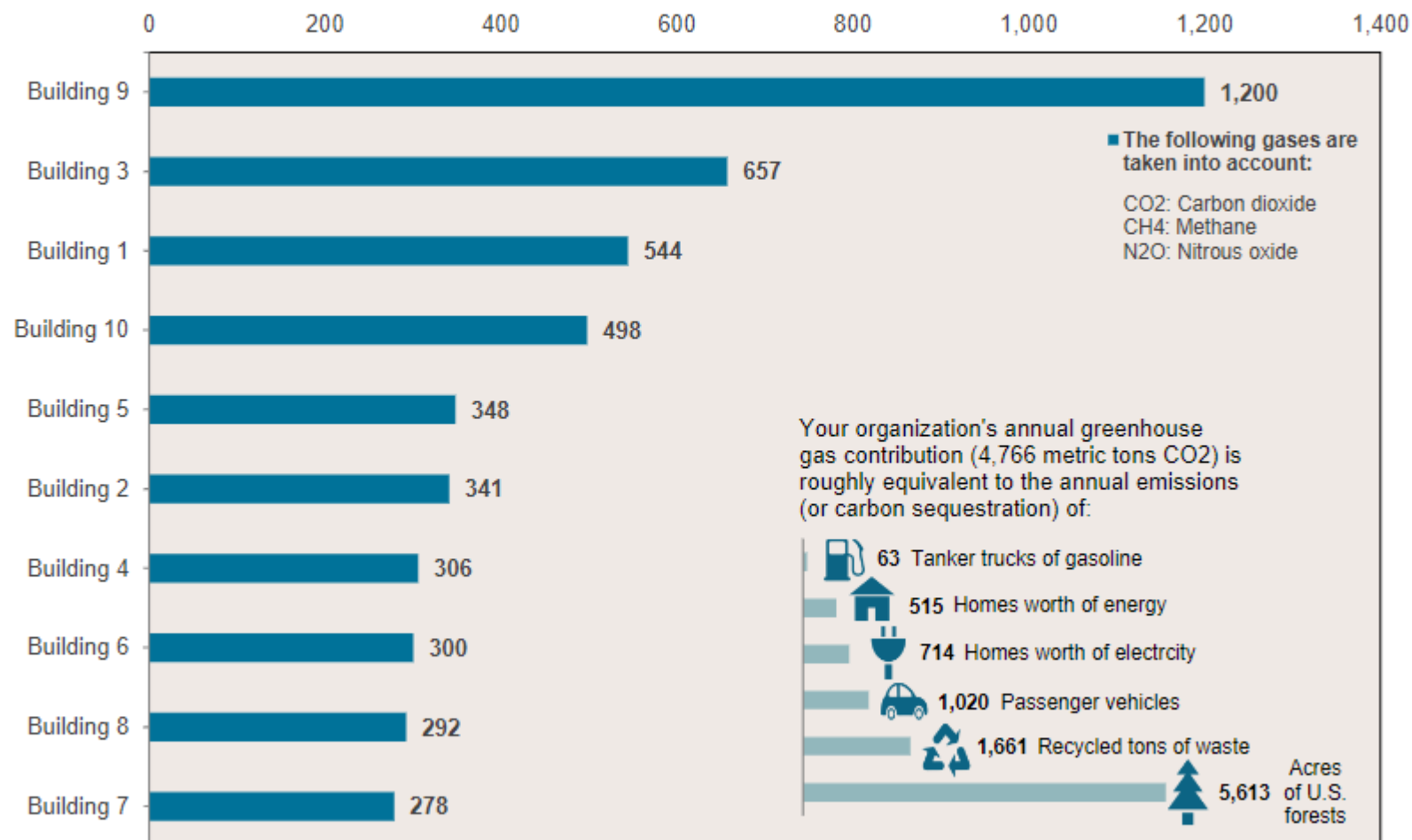


* Median for similar building types in your climate region.



Annual greenhouse gas emissions (metric tons CO₂) for your buildings

Jan 2018 to Dec 2018



XYZ Ltd.

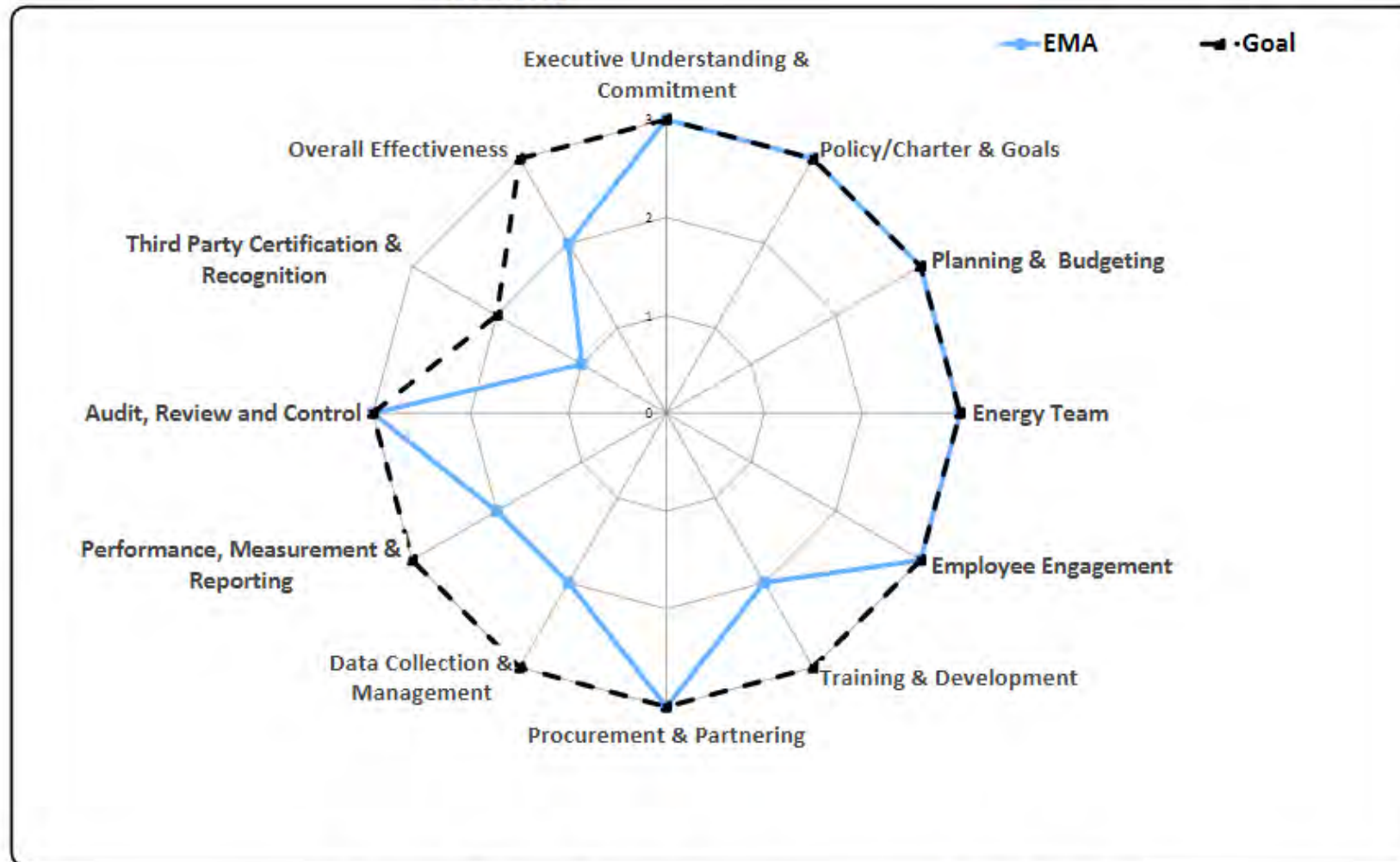


Figure 1. Energy Management Assessment Analysis Chart

Funding Structure



Funding Structure

MEM TERM	REBATE
YEAR 1	80% of MEM base salary to a maximum of \$80,000 per year
YEAR 2 (optional and contingent on meeting minimum Year 1 requirements)	80% of MEM base salary to a maximum of \$80,000 per year



2 Year Funding Cap: \$160,000 per municipality



Participation & Case Studies



MEM PARTICIPATION SINCE APRIL 2019

MUNICIPALITIES

9

ENERGY MANAGERS
APPROVED

7

ENERGY MANAGERS HIRED

4

BUILDINGS IN SCOPE

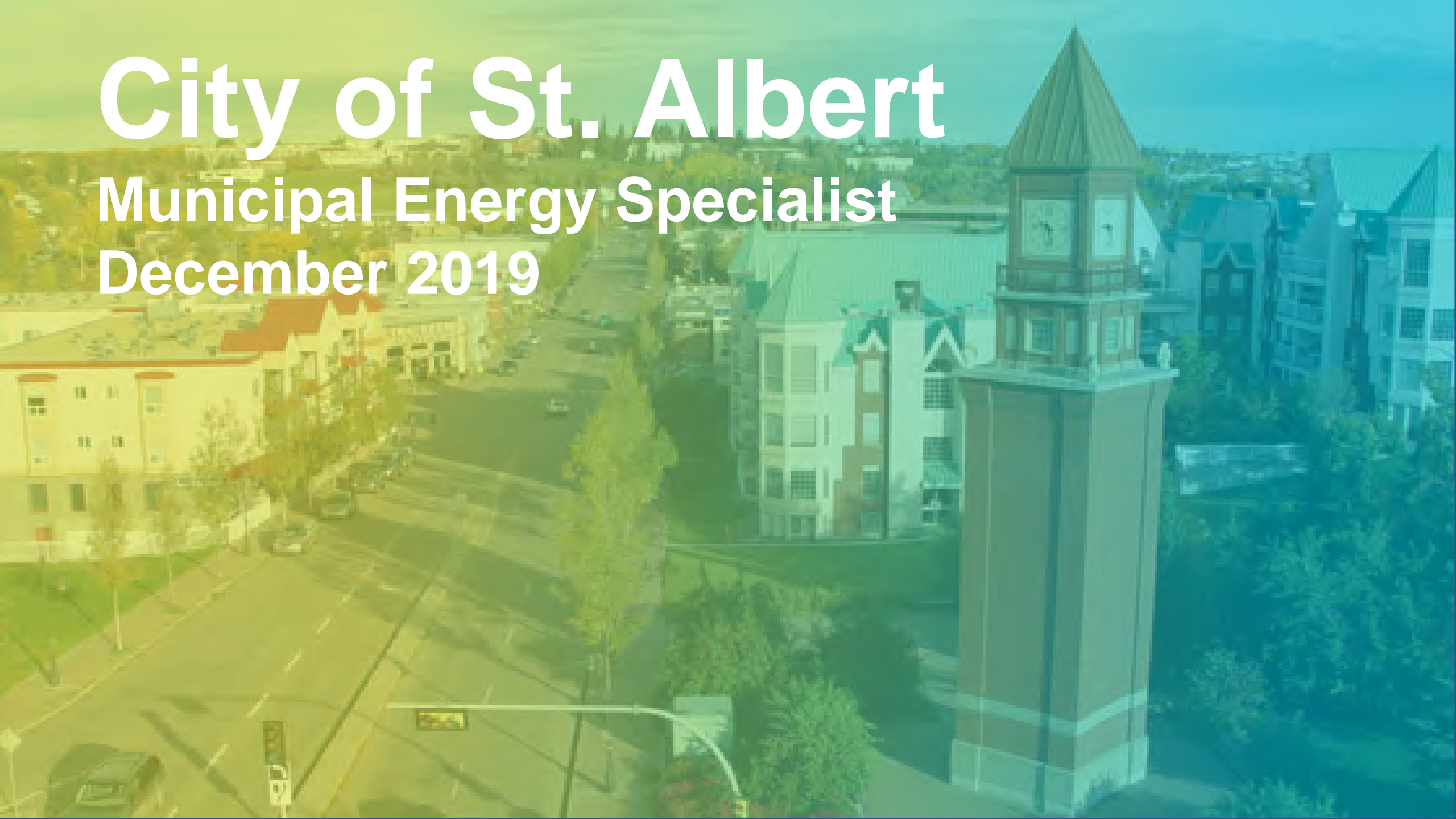
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City of St. Albert

Municipal Energy Specialist

December 2019



Town of Cochrane

Special Projects Planner

December 2019



Foothills County

Municipal Energy Manager

January 2020

Applying



Application

- Describe your current energy management capabilities, and the need for energy management support
- MCCAC will approve program participation on a case-by-case basis
- Describe intended activities and projects
- Intended salary or salary band, including brief rationale
- Rough estimation of funding the municipality is willing to allocate to energy efficiency and renewable energy projects



TIMELINE



Other Funding and Services

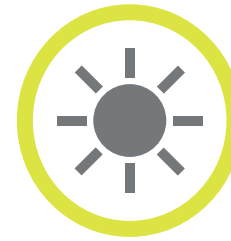




**Electric Vehicles
for Municipalities
Program**



**Recreation Energy
Conservation
Program**



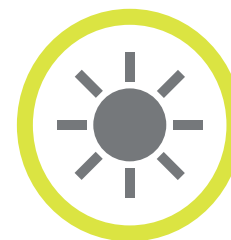
**Alberta
Municipal Solar
Program**



**Municipal Energy
Champions Program**



**Partners for Climate
Protection Program**



**Solar for Schools
Program**



THANK YOU



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