

LEADING CLIMATE ACTION WITH ALBERTA MUNICIPALITIES 2021



Municipal
Climate Change
Action Centre

The Municipal Climate Change Action Centre provides funding, technical expertise, and education to municipalities, schools, non-profits and community organizations. Together, we are lowering energy costs, reducing greenhouse gas emissions, and improving climate resilience.

A partnership of:



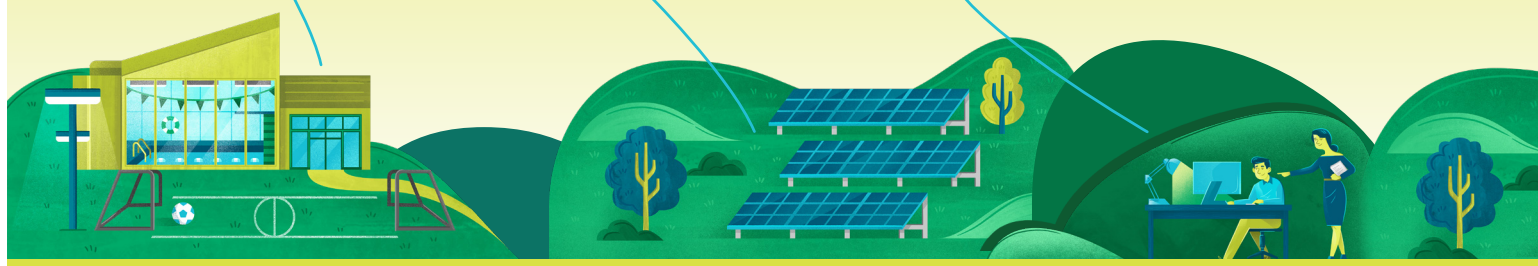
ECONOMIC STRENGTH \$12.6 million investments catalyzed. Plus...

Energy Efficiency
108 jobs created

Solar Energy
43 jobs created

Energy Managers
23 active positions

Energy Savings
lifetime savings averaged over 20 years
\$37.4 million



CLIMATE ACTION 4,625 tonnes annual GHG emissions avoided. Plus...

Electric Vehicles Purchased
\$1.1 million

Solar Installed
3.2 MW

Climate Adaptation Challenge
2 municipalities assessed climate risks



PROGRAM HIGHLIGHTS

Notable Projects Completed

Longview 115 kW Solar
This ground-mount build made the village electrically net zero.

St. Albert 1.1 MW Solar
The Servus Credit Union Place solar build is the city's largest.

Grande Prairie 2x333 kW CHP
Combined heat & power saves Eastlink Centre \$336,000/year.

Crowsnest Pass \$15,000 annual savings
Pass Powderkeg Ski Area replaced all lights with LEDs.

Capacity Building

Municipal Energy Champions
Following a successful pilot, nine small municipalities enrolled for training and support in energy efficiency.

Climate Adaptation Challenge
St. Albert and Sturgeon County were selected to receive direct support developing climate adaptation plans.

Partners for Climate Protection
Completed two year term as Regional Climate Advisor for Alberta, assisting 8 municipalities complete 24 milestones.

Tools for Municipalities

Alberta Climate Funding Guide
Published listing and how-to guide for applying to mitigation and adaptation funding opportunities in Alberta.

Climate Resilience Express
Modernized this resource, reflecting feedback from 13 past participants and new ways of accessing climate data.

2021 Featured Projects - Some of the 107 clean energy projects completed in 2021

GRID-CONNECTED SOLAR ELECTRICITY

The Action Centre provides financial rebates to Alberta municipalities who install grid-connected solar photovoltaic (PV) systems on municipal facilities or land. In 2021, the Alberta Municipal Solar Program successfully added **3.1 MW of solar capacity** to the grid, reducing annual GHG emissions by **1,900 tonnes**.

St. Albert Servus Credit Union Place

1.1 MW

Calgary Shepard Solar Park Phase III

714 kW

Airdrie Transit and Maintenance Facility

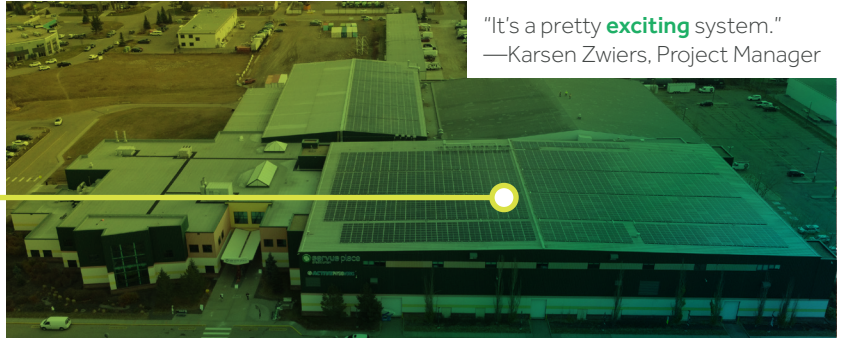
409 kW

Big Lakes County Ground Mount Solar

216 kW

Smoky Lake Ground Mount Solar

169 kW



"It's a pretty **exciting** system."
—Karsen Zwiers, Project Manager



SOLAR FOR SCHOOLS

The Action Centre supports installing solar PV systems on schools, generating clean power and providing a living lab for students to learn about renewable energy.

Lacombe Composite High School *Roofs 4 Kids*

4 kW

Banff Community High School **108 kW**

"We can show the students, and the entire community, that it is a reality and allow them to see first-hand the **positive impact** they can have!"

—Maya Capel, Teacher

RECREATION FACILITIES ENERGY EFFICIENCY

The Action Centre provides municipalities and community-related organizations up to \$750,000 for energy saving upgrades in arenas, aquatic centres, athletic parks, and other recreation facilities. In 2021, the Recreation Energy Conservation Program produced **\$946,000 in annual savings** by funding lighting retrofits, REALice installations, HVAC efficiency improvements, and more.

Grande Prairie East Link Centre

\$336,000 annual savings

Airdrie Genesis Place

\$82,000 annual savings

Whitecourt Scott Safety Centre

\$56,000 annual savings

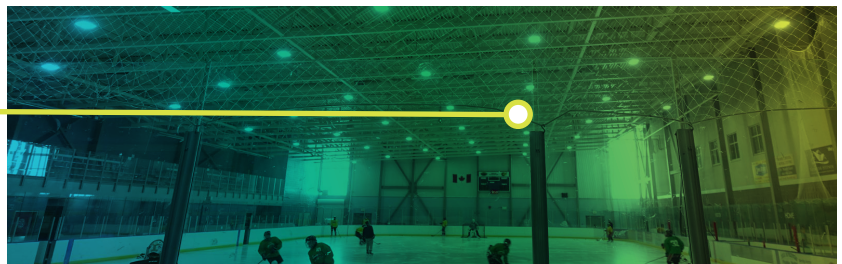
Spruce Grove TransAlta Tri Leisure Centre

\$53,000 annual savings

St. Albert Servus Credit Union Place

\$41,000 annual savings

"The LED lighting upgrade improves **safety and visibility**."
—Brad Anderson, Genesis Place Manager



Visit **mccac.ca** to read the showcase of all projects the Municipal Climate Change Action Centre has supported since 2009. See photos, meet the project champions, and read a breakdown of each project's costs, savings and climate impacts. If you'd like to start your own project, you can also access our latest programs and resources.

MUNICIPAL CLIMATE CHANGE ACTION CENTRE

2009-2021

737

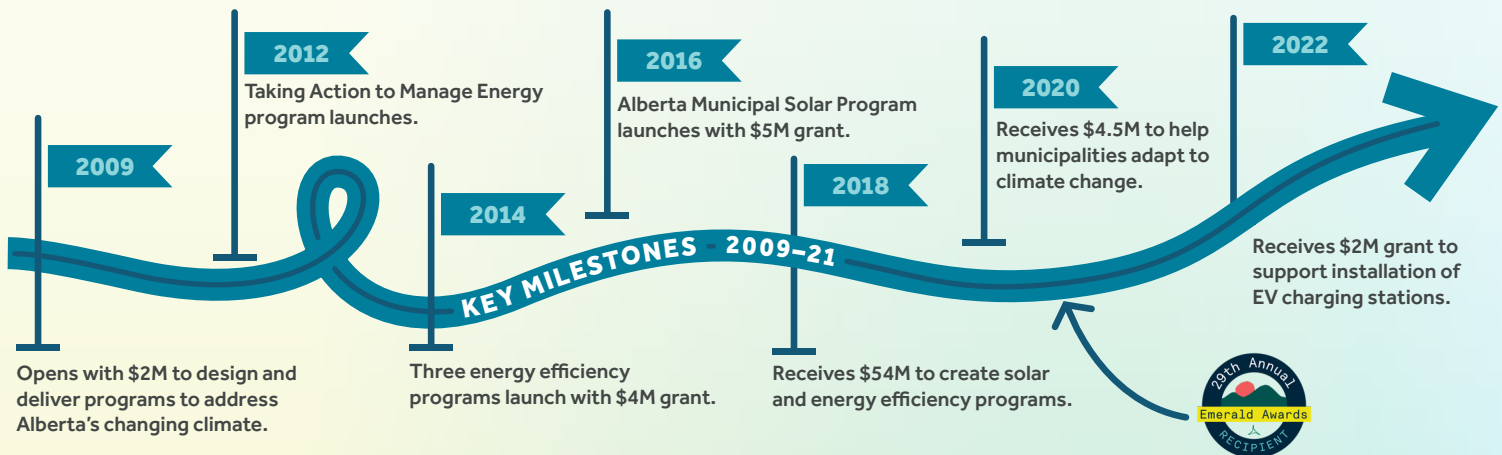
Projects Completed

\$114 million

Energy Savings
lifetime savings averaged over 20 years

167

Municipalities Participated



INVESTMENTS

\$29 million
spent in grants & support

\$73 million
catalyzed investment

JOBS CREATED

356
Energy efficiency jobs

328
Solar energy jobs

ELECTRIC VEHICLES

\$1.7 million
Value of electric vehicles purchased

RENEWABLE ENERGY

22 MW
new solar electricity generating capacity

28,000 tonnes
greenhouse gas emissions eliminated every year

56,000
solar modules

CLIMATE PLANS

13
Municipalities created climate resilience plans

8
Municipalities created climate mitigation plans



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