

Municipal Climate Change Action Centre

## **Recreation Energy Conservation Program**

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#### 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 Alberta Urban Municipalities Association, Rural Municipalities of Alberta and the Government of Alberta.







# Agenda

- 1. Why participate
- 2. Who and what is eligible?
- 3. Funding
- 4. Participation stats

5. Case study6. Get started7. Other programs8. Question period

## Why participate?

## Why participate?



Recreation facilities...

- Use a lot of energy
- Produce greenhouse gas emissions
- Are expensive to maintain

The Recreation Energy Conservation program will...

- Provide support to identify energy efficient opportunities
- Provide financial rebates to energy efficiency projects
- Reduce energy use and greenhouse gas emissions
- Save energy costs



## Eligibility

### **Eligible facilities**



Municipally-owned recreation focused facilities with high energy consuming systems such as:

- ✓ Arenas and Curling Rinks
- ✓ Aquatic Centres and Swimming Pools
- ✓ Dry Sport Centres
- ✓ Multiplexes
- ✓ Other recreation facilities, on a case-by-case basis



#### **Eligible initiatives & retrofits**

Municipalities can receive funding for:

- ✓ Scoping audits and engineering studies
- ✓ Interior and exterior lighting
- ✓ Building automation systems and controls
- ✓ Building envelope upgrades and HVAC systems
- ✓ Pumps, motors, and variable frequency drives
- ✓ Combined heat and power systems
- ✓ And others on a case-by-case basis



#### Ineligible facilities and organizations

- × Private or for-profit organizations
- × Non-profit organizations who own their facility
- × Provincial or federal buildings on municipal lands
- × New construction projects
- × Community halls and agriculture societies
- Other organizations/facilities deemed ineligible by the Action Centre





#### **Funding Structure**



SCOPING AUDITS	ENGINEERING STUDY	IMPLEMENTATION PROJECTS
Up to 100% costs*	Up to 100% costs* Best for large scale and expensive energy saving opportunities	The lesser of, up to 75% of project costs OR 1-year simple payback maximum after rebate
Best for identifying general energy saving opportunities		Complete energy saving and GHG-reducing projects
Funding Maximums: Dry Sport Centres = \$8,000 Arenas/Pools = \$10,000 Multiplexes = \$12,000	Maximum of \$20,000 for all recreational facility building types	Minimum project sizes of \$10,000. Projects with less than a 1-year simple payback prior to rebates are ineligible

#### Funding Cap: <u>\$750,000</u>



#### **Simplified Measures**

The following Simplified Measures can be applied for directly <u>without requiring</u> a Scoping Audit or Engineering Study:

- ✓ Lighting
- ✓ Ice rink flood water de-aerators
- ✓ Pump replacements
- ✓ Smart thermostats
- ✓ Rooftop unit replacements
- ✓ Space heating boilers, furnaces and heaters



#### Requirements

For Implementation Projects:

- $\checkmark$  Cost estimate and energy saving data to determine rebate and eligibility
- ✓ Project DOES NOT have to be completed by a Program Ally
- ✓ Projects must, at minimum, have a total installed cost  $\ge$  \$10,000
  - Multiple measures may be combined to reach this project cost threshold
- $\checkmark$  Measures with a simple payback of <1 without incentives are ineligible

Measure capital costs (\$)

Simple Payback (years) =

Annual energy cost savings (\$/year)



A municipality has an indoor fitness centre and wants to reduce operating costs. The municipality completes a scoping audit and it recommends to retrofit the boilers.

- Install costs = \$100,000
- Annual energy cost savings = \$25,000/year

Without REC Incentives:		With REC Incentives:	
\$100,000	Varelie	\$100,000 - \$75,000	
\$25,000	VEISUS	\$25,000	
= Equipment is paid off in 4 years		= Equipment is paid off in 1 year	
Funding = \$75,000			



## Participation

#### **Participation as of May 2020**





Municipal Climate Change Action Centre



## City of Leduc

Leduc Recreation Centre Lighting Retrofit

Sabeys Insurance Weter



SAFEWAY () M Jobeys

#### **City of Leduc – Leduc Recreation Centre**



\*Estimated values to be finalized upon completion



## Apply now

#### **Participation Timeline**



Sign offer

letter

Review guidebook and resources Complete project and submit documentation

Receive funding, and save energy and money

Submit application & supporting documents through REC Portal

Get quotes and submit Expression of Interest

# Other programs and services





Municipal Energy Champions Program



Alberta Municipal Solar Program



Municipal Energy Manager Program



Partners for Climate Protection Program



Solar for Schools Program





## THANK YOU



Municipal Climate Change Action Centre