



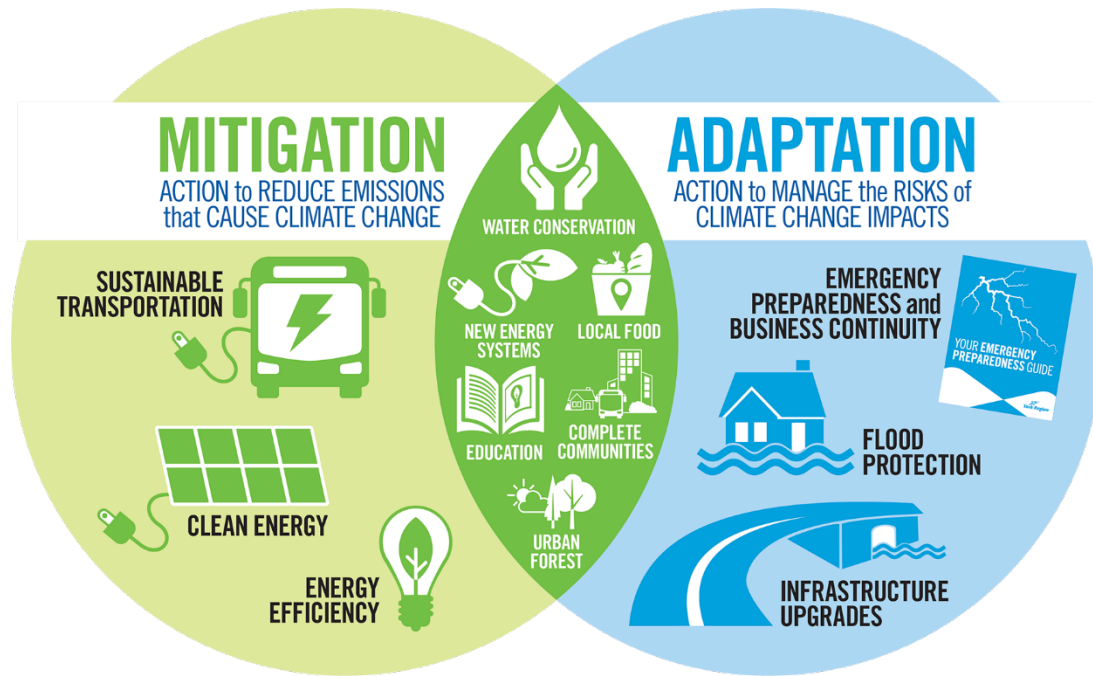
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**GRANT FUNDING FOR  
ENERGY REDUCTION PROJECTS AT COUNTY FACILITIES**

COUNCIL MEETING DEC 9, 2025

# BENEFITS OF EFFECTIVE ENERGY MANAGEMENT

- Benefits of an Energy Management Plan:
  - Lower Operating Costs
  - Improve Building Performance
  - Reduce Environmental Impact
  - Enhance Accountability
  - Guide Community-Wide Efforts



# CONTEXT/BACKGROUND

Program	Funding	Council \$ cont.	Key Deliverables
Government of Alberta  Municipal Climate Change Action Centre Municipal Energy Manager Program	\$180,000	\$54,000 over 2 years	<p>Employ a two-year temporary position.</p> <p>Facility energy use measurement, analysis and tracking.</p> <p>Energy audit on (at least) the highest energy-consuming municipal building.</p> <p>Implement staff education and behavior change programs to increase energy and climate change literacy</p> <p>Energy Management Plan covering at least 3 years.</p> <p>Implement actions that achieve a 5% GHG reduction in year 1 and year 2.</p>
Federal Government  Green Municipal Fund Community Buildings Retrofit Initiative GHG Reduction Pathway Feasibility	\$134,880	\$34,000 over 1 year	<p>Energy audits on 13 County Facilities.</p> <p>2 Stakeholder Workshops to inform the details of a GHG reduction pathway for the audited County facilities.</p> <p>GHG reduction pathway feasibility report.</p>

## GHG Reduction Pathway Feasibility Study Guidance Document

COMMUNITY BUILDINGS  
RETROFIT INITIATIVE

## Municipal Energy Manager Program GUIDEBOOK

2025

This Guidebook provides an overview of the eligibility requirements, available funding, and process for municipalities to participate in the Municipal Energy Manager program.



Municipal  
Climate Change  
Action Centre

# CONTEXT/BACKGROUND



## 4.2.4 Climate Mitigation & Adaptation

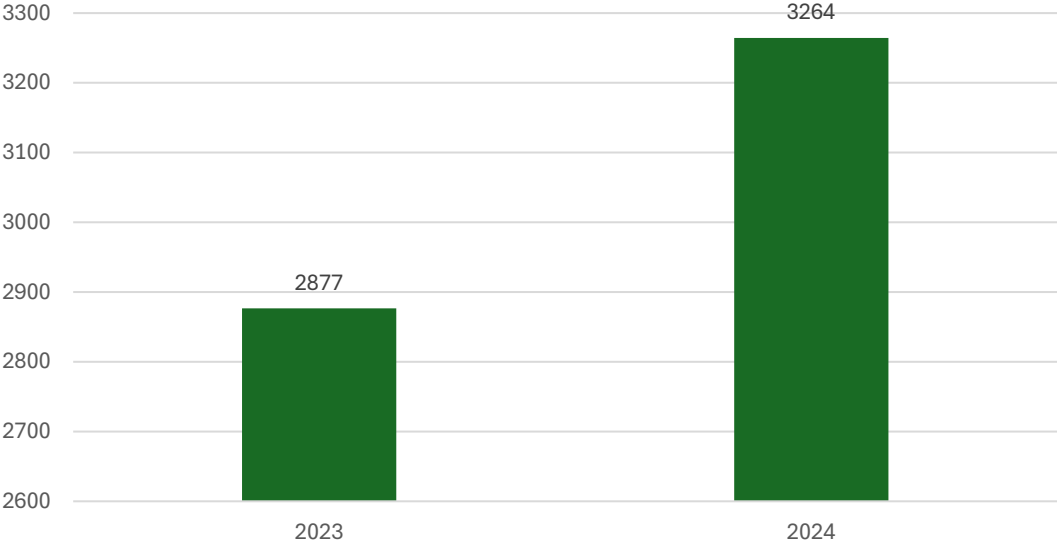
- a. Develop and implement a Climate Change Adaptation Plan that addresses climate risks and vulnerabilities and prioritizes nature-based solutions.
- b. Measure and reduce Parkland County operational greenhouse gas emissions to achieve net-zero by 2050.
- c. Collaborate with organizations working toward outcomes aligned with the County's climate change initiatives.
- d. Support the growth, development and implementation of sustainable infrastructure or development projects including, but not limited to:
  - i. **Low Impact Development;**
  - ii. energy efficient and climate resilient buildings;
  - iii. LEED ND neighbourhood certification;
  - iv. **Alternative Fuel Vehicle** charging; and
  - v. eco-industrial parks, compact community design, or other innovative development models that reduce the overall environmental footprint of a development.
- e. Provide incentives for **Renewable Energy Microgeneration** in all areas of the county, including the use of agricultural buildings or infrastructure for small scale production of renewable energy.
- f. Incentivize the development of sustainable infrastructure and renewable energy.
- g. Investigate the carbon sink capacity of Parkland County's natural assets and their potential to offset urban emissions in the broader region.
- h. Monitor new protocols to develop and trade carbon credits in the metropolitan region.

# PROGRESS-UTILITY BILL ANALYSIS

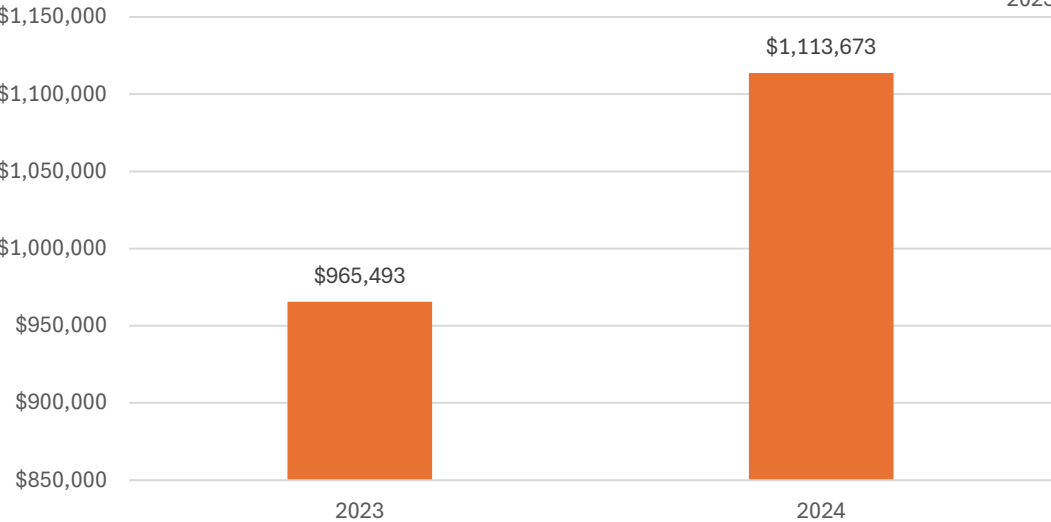
G	H	I	J	K	L	M	N	O
Consumption start d	Consumption end d	Quantity (k'	Total bill cost (exc G	tCO2e	0.4907	tCO2e/Mwh		
2023-11-01	2023-11-30	503.3897	\$268.59	0.247				
2023-11-01	2023-11-30	70.6438	\$116.14	0.0347				
2023-11-01	2023-11-30	300.2993	\$493.55	0.1474				
2023-11-01	2023-11-30	123.6477	\$203.24	0.0607				
2023-11-01	2023-11-30	55.9509	\$20.13	0.0275				
2023-11-01	2023-11-30	111.8537	\$40.24	0.0549				
2023-11-01	2023-11-30	184.2296	\$45.59	0.0904				
2023-11-01	2023-11-30	3750.0575	\$3,282.54	1.8402				
2023-11-01	2023-11-30	2816.8689	\$517.80	1.3822				
2023-11-01	2023-11-30	238.8754	\$405.81	0.1172				
2023-11-01	2023-11-30	353.2611	\$580.63	0.1733				
2023-11-01	2023-11-30	55.9509	\$29.85	0.0275				
2023-11-01	2023-11-30	474.0039	\$700.60	0.2326				
2023-11-01	2023-11-30	2781.968	\$4,417.05	1.3651				
2023-11-01	2023-11-30	912.1807	\$401.72	0.4476				
2023-11-01	2023-11-30	2619.2094	\$1,274.00	1.2852				
2023-11-01	2023-11-30	1130.4632	\$676.04	0.5547				
			<b>\$73,748.43</b>	<b>149.7</b>	<b>Nov-23</b>			
2023-12-01	2023-12-31	0	\$17.49	0				
2023-12-01	2023-12-31	0	\$72.94	0				
2023-12-01	2023-12-31	9251.9997	\$3,889.66	4.54				
2023-12-01	2023-12-31	41356.5318	\$5,871.82	20.294				
2023-12-01	2023-12-31	17954.4359	\$2,558.99	8.8102				
2023-12-01	2023-12-31	0	\$10.17	0				
2023-12-01	2023-12-31	5464.9988	\$724.24	2.6817				
2023-12-01	2023-12-31	1385.0007	\$354.93	0.6796				
2023-12-01	2023-12-31	288.0005	\$171.24	0.1413				
2023-12-01	2023-12-31	539.0001	\$124.53	0.2645				
2023-12-01	2023-12-31	936.9996	\$183.66	0.4598				
2023-12-01	2023-12-31	1290.9532	\$437.06	0.6335				
2023-12-01	2023-12-31	286.0017	\$97.44	0.1403				
2023-12-01	2023-12-31	16903.9993	\$3,125.48	8.2948				
2023-12-01	2023-12-31	497.0002	\$264.70	0.2439				
2023-12-01	2023-12-31	0	\$141.43	0				
2023-12-01	2023-12-31	0	\$72.94	0				
2023-12-01	2023-12-31	2062.0012	\$557.43	1.0118				
2023-12-01	2023-12-31	1517.8388	\$507.93	0.7448				
2023-12-01	2023-12-31	370.9997	\$175.85	0.182				
2023-12-01	2023-12-31	375.9997	\$184.86	0.1845				
2023-12-01	2023-12-31	653.0002	\$213.78	0.3204				
2023-12-01	2023-12-31	587.0007	\$208.95	0.288				
2023-12-01	2023-12-31	724	\$562.45	0.3553				
2023-12-01	2023-12-31	262.6677	\$97.27	0.1289				
2023-12-01	2023-12-31	2675.9996	\$1,049.05	1.3131				
2023-12-01	2023-12-31	274.8565	\$270.16	0.1349				
2023-12-01	2023-12-31	17538.0008	\$2,082.18	8.6059				
2023-12-01	2023-12-31	302.2631	\$101.59	0.1483				
2023-12-01	2023-12-31	9836.7404	\$1,252.06	4.8269				
2023-12-01	2023-12-31	711.9989	\$504.15	0.3494				
2023-12-01	2023-12-31	3700.999	\$594.30	1.8161				
2023-12-01	2023-12-31	10056.0004	\$1,238.16	4.9345				
2023-12-01	2023-12-31	3720.0013	\$1,408.01	1.8254				
2023-12-01	2023-12-31	0	\$43.94	0				
2023-12-01	2023-12-31	0	\$14.60	0				
2023-12-01	2023-12-31	0	\$10.68	0				
2023-12-01	2023-12-31	0	\$31.96	0				

# PROGRESS- BASELINE EMISSIONS

Total emissions (tCO2-e) from energy per year



Total cost (\$) from energy per year



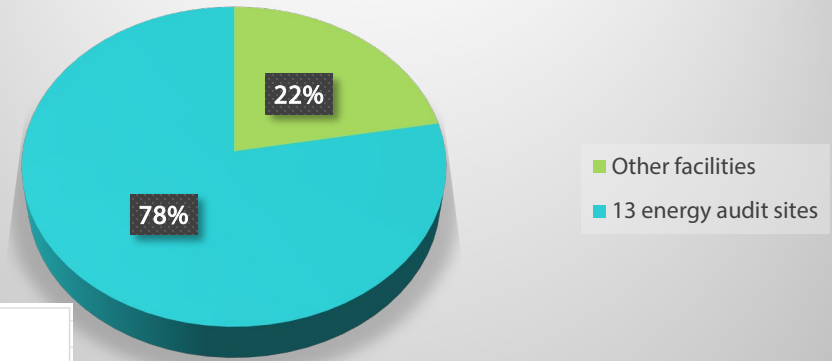
# PROGRESS- COLLABORATION

## Parkland County Energy team

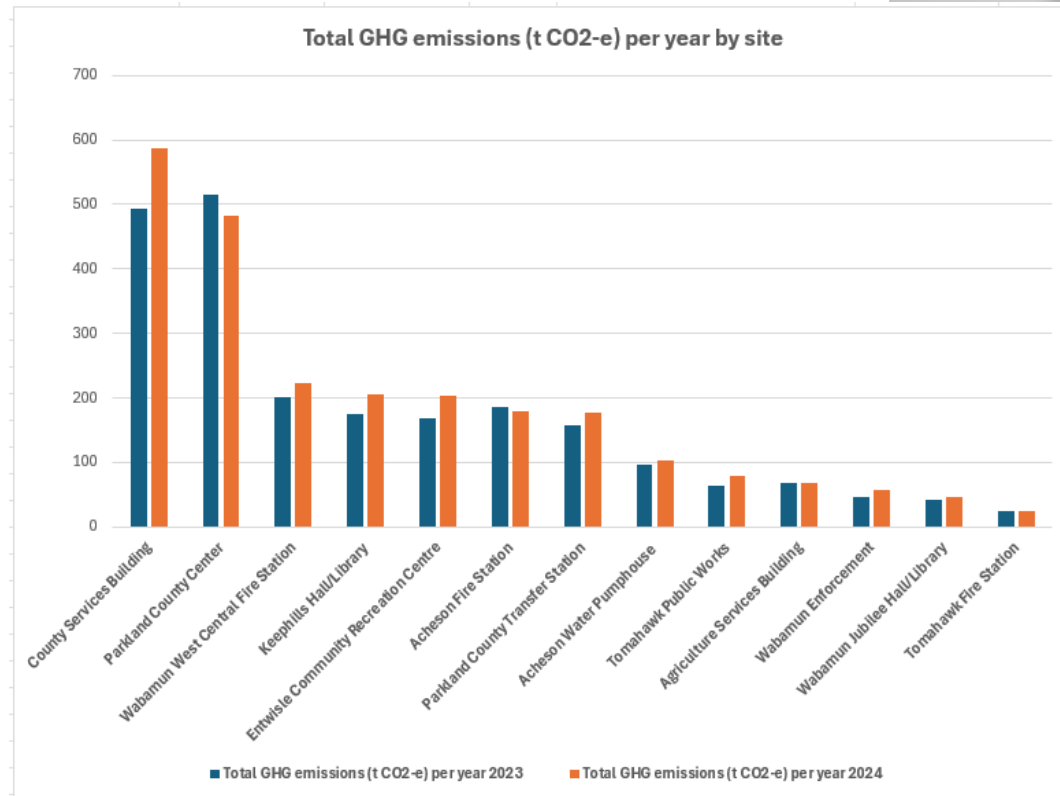
Title	Focus Area
Manager, Fleet & Facilities Services.	Strategic direction, advice and endorsement.
General Supervisor, Facilities Maintenance.	Upgrade work implementation support. Project identification. Providing access to building condition information and data.
Manager, Environment Services.	Strategic advice and support.
Municipal Energy Specialist	Project management, implementation and reporting.

# PROGRESS- SITE SELECTION

## 2023 Baseline Emissions 2877 t CO<sub>2</sub>-e



Total GHG emissions (t CO<sub>2</sub>-e) per year by site





# PROGRESS- CONTRACTING

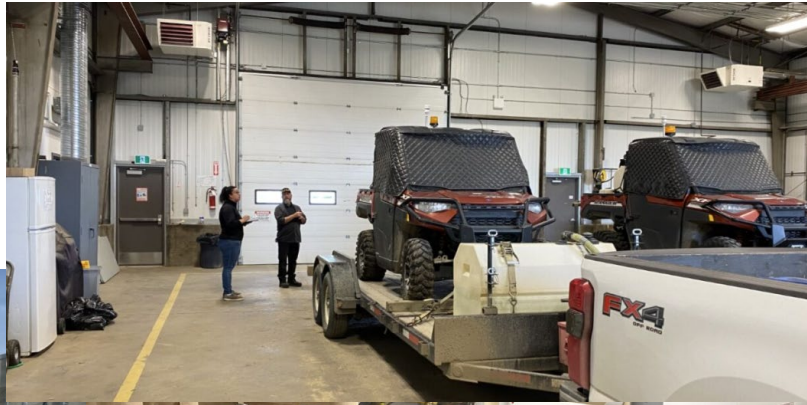


Figure 1: Study workflow



Acheson Fire Station  
Acheson Water Pumpouse  
Agricultural Services Building  
County Services Building  
Entwistle Community Recreation Centre  
Keephills Hall/Library  
Parkland County Centre  
Parkland County Transfer Station  
Tomahawk Fire Station  
Tomahawk Public Works  
Wabamun Enforcement  
Wabamun Jubilee Hall/Library  
Wabamun West Central Fire Station

# PROGRESS- AUDITS



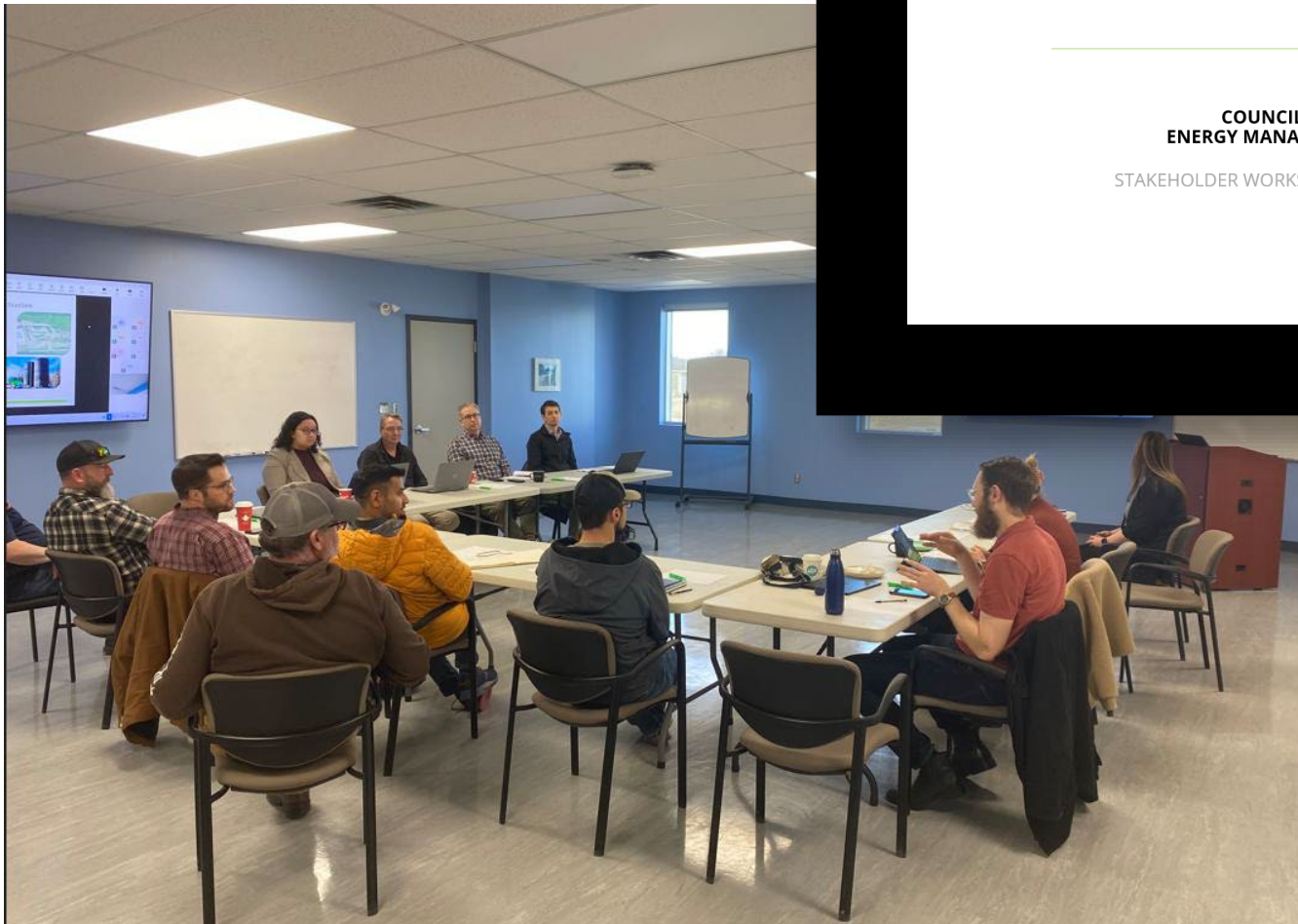


# PROGRESS- STAKEHOLDER WORKSHOP



## COUNCIL FACILITIES ENERGY MANAGEMENT PROJECT

STAKEHOLDER WORKSHOP OCTOBER 30, 2025



# PROGRESS- ADDITIONAL FUNDING



**ALBERTA ecotrust**

**Retrofit**  
accelerator

**Lower energy use and expenses.**

Get free retrofit coaching from Alberta Ecotrust Retrofit Accelerator.



Climate Ready Infrastructure Service

Le Service pour des infrastructures adaptées au climat

ABOUT ▾

## Free Expert Advice to Future-Proof Housing and Infrastructure

Driving low  
carbon solutions

Building  
local capacity

Fostering  
climate resilience

# PROGRESS- STAFF ENGAGEMENT

## STAFF INFORMATION SESSION: SOLAR FOR YOUR HOME

Thursday June 19th

10:00-11:00 a.m. in CSB Training Room. Morning tea provided.

Or 12:15-1:15 p.m. in PCC Council Chambers. Light lunch provided.

RSVP by June 12<sup>th</sup> to [agriculture@parklandcounty.com](mailto:agriculture@parklandcounty.com) (specify which session)



Have you ever wanted to know about solar for your home? Join us to hear about the basics and have your questions answered! The session will run twice, come to whichever works best for you. We hope to see you there!



### Guest Speaker: Heather MacKenzie (Solar Alberta)

Heather is the Executive Director of Solar Alberta, where she and her team are working hard to make it easier for Albertans to access solar. She is a seasoned leader, community organizer, and green business advocate. Prior to becoming the Executive Director of Solar Alberta, she worked as a government relations professional, ran her own business, and served as an elected Trustee on the Edmonton Public School Board. She is in the midst of completing a Masters in Public Administration, has a Masters in International Development, and has undergraduate degrees in both Sociology and History.



**Heidi Hamm** ✓ • You

Sustainability Leader - Collaborative Facilitator - Clean Energy Transition advocate

4mo •

It was great to host **Heather MacKenzie** from **Solar Alberta** today for an excellent solar info session with staff at Parkland County.



# NEW OPPORTUNITIES

## COMMUNITY ENERGY CONSERVATION PROGRAM GUIDEBOOK

Project	Total cost	Grant funding	Energy reduction/year	GHG (tCO <sub>2</sub> e) reduction/year	Cost reduction/year
County Services Building rooftop unit heaters upgrade	\$45,900	\$22,950	24,986 kWh	5.87	\$2,998
County Services Building lighting upgrade and controls	\$75,578	\$37,789	29,956 kWh	14	\$3,595
Jubilee Hall replacement of Make Up Air unit with rooftop unit and kitchen Make Up Air unit upgrade	\$80,000	\$40,000	26,300 kWh	5.4	\$3,156
Acheson Fire Station lighting upgrade	\$27,950	\$13,975	22,271 kWh	10	\$2,673
<b>Total</b>	<b>\$229,428</b>	<b>\$114,714</b>	<b>103,513 kWh</b>	<b>35.27</b>	<b>\$12,422</b>

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# NEW OPPORTUNITIES



**STRATEGIC ENERGY  
MANAGEMENT**  
FOR INDUSTRY

*Up to \$50 million for Alberta's industrial and manufacturing facilities*

Site	Grant funding for energy audit
Acheson Zone 4 Reservoir Ranchers – 26217 Township Rd 530A	\$6,100
Highlands Sanitary Lift Station – 8685 279 St, Parkland County	\$6,100
Sewage Lift Station, Wabamun – 4809 51 Ave, Wabamun	\$6,100
Water Treatment Plant, Wabamun – 5120 53 St, Wabamun	\$12,000
Total	\$30,300



# NEW OPPORTUNITIES



[Safety](#) ▼ [Customer Service](#) ▼ [For Business and Industry](#) ▼ [Outages](#) ▼ [About Us](#) ▼ [Careers](#)

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Save Energy

## HOME ENERGY EFFICIENCY KITS INSTRUCTIONAL MANUAL



# SAVING MONEY AND EMISSIONS

Program	Funding	Status
Alberta Ecotrust Retrofit Accelerator	\$44,090	Confirmed
Climate Ready Infrastructure Service	\$35,000	Confirmed
Strategic Energy Management for Industry	\$30,300	Confirmed
Fortis Save Energy	\$7,500	Confirmed
Community Energy Conservation Program	\$114,714	Application In Progress
Total	\$231,604	-

# RECOMMENDATIONS AND NEXT STEPS

We recommend that Council

1. Receive this update for information
2. Approve the addition of up to \$152,514 in the Agriculture and Environment Services 2026 Budget to be funded as follows
  - a. Provincial Community Energy Conservation Program - \$114,714
  - b. Provincial Strategic Energy Management for Industry Program - \$30,300
  - c. Fortis Save Energy Grant - \$7,500



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## QUESTIONS AND DISCUSSION