



ENERGY SAVINGS FOR BUSINESS

Investing to keep businesses competitive

Now Open to Applications

Agenda

- ERA background
- ESB Program overview
- Early results



About ERA

MANDATE

Reduce GHG emissions and grow Alberta's economy by accelerating the development and adoption of innovative technology solutions.

VISION

Alberta has competitive industries that deliver sustainable environmental outcomes, attract investment, and are building a diversified, lower carbon economy.

STRATEGIC PRIORITIES



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**EMISSIONS
REDUCTION
ALBERTA**



About ERA

204 Projects Total

- ▶ Cleaner Oil & Gas (72 Projects)
- ▶ Low Emitting Electricity System (25 Projects)
- ▶ Food, Fibre, & Bioindustries (58 Projects)
- ▶ Low Carbon Industrial Processes & Products (49 Projects)



*Total Project Value includes ERA, industry, and other sources of funding.

Cumulative Project Emission Reductions*

7.5 Mt CO₂e Total by 2020



37.7 Mt CO₂e Total by 2030



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Program Overview

Create skilled jobs

Increase business competitiveness

Boost economic recovery

Lower carbon future

“The energy efficiency industry in Alberta is primed and ready to get skilled technicians and tradespeople working quickly and safely.”

“Energy efficiency boosts productivity, while reducing operating costs and emissions for small- and medium-scale industrial and commercial businesses. It’s a win-win-win.”

*Amy Roesler, Executive Director,
Alberta Energy Efficiency Alliance*



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Stimulus Program for Alberta Businesses



Pandemic Response

- Immediate kickstart
- Stimulate the economy by creating >1400 jobs
- Relies on local skilled trades and suppliers



Create a Lasting Impact

- Results driven
- Adopting proven technologies that reduce GHGs over their lifetime



Widely Accessible

- Largest program per-capita in North America
- >50 technologies & 300 measures
- Emphasis on program accessibility



Maximized Value

- Streamlined offering
- Clear and predictable incentive levels
- More funds directed to projects



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Program Funding

- Up to \$55 million in program funds for small and medium-scale industrial and commercial projects
- Incentives of:
 - **Up to \$250,000** available per project
 - **Up to \$500,000** available per parent company
 - Minimum incentive amount of \$1,000
- Open to businesses across Alberta
 - Applications opened February 1, 2021



Measure Categories

Compressed air

Refrigeration

Lighting systems and controls

Motors and drives

Combined heat and power
(CHP)

Water heating

Geothermal

HVAC

Food service

Process heating

Building envelope and
windows

Solar air heating

Agricultural lighting

Coming Soon:
Waste heat recovery (ORC)

Updated Soon:
Small CHP (<150kW)



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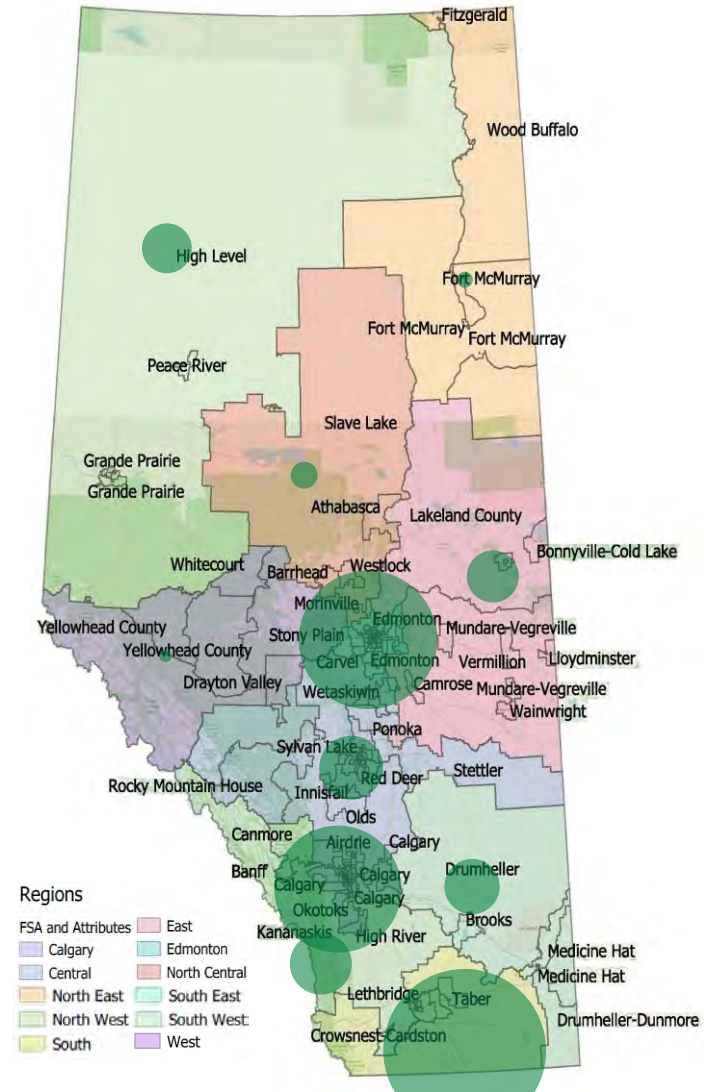
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Results to date

	Amount
Registered contractors	837
Registered participants	1,185
Projects submitted for pre-approval	426
Projects pre-approved	563
Average project incentives	\$24,000
Total incentives requested	49%
GHG Emissions Reduction (lifetime tonnes)	443,384

Percent Incentive Spend per Region



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Results to date

- One or more projects in every measure category
- Popular technologies so far:
 - Solar PV
 - LED bay fixtures & outdoor fixtures
 - Variable frequency drives
 - Boilers & heaters
 - Combined Heat and Power
 - Insulation

Solar PV

- 308 of projects
- Supported \$55.9M in project value
- >30 MW of capacity will be built



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Project Highlights

Coming soon:

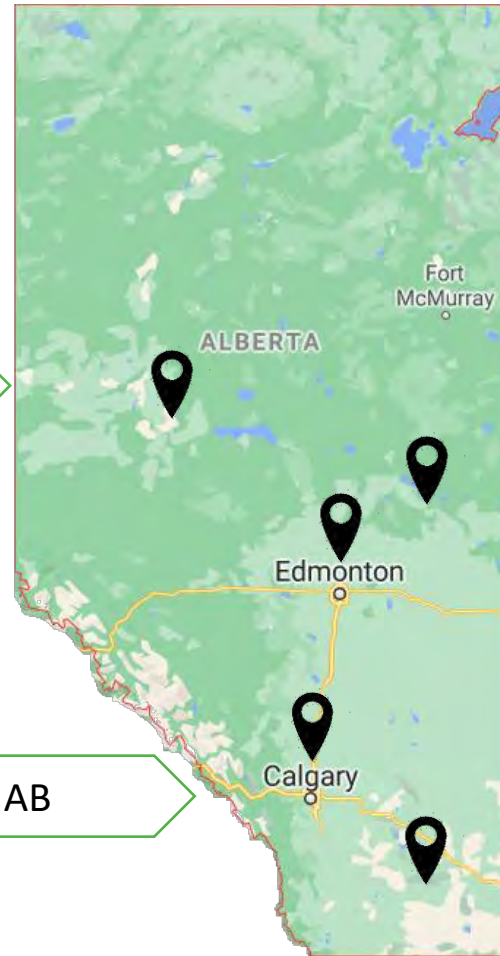
- Geothermal and CHP projects

- 4 measures: demand control ventilation, wall and ceiling insulation, LED bay fixture and retrofit
- ~\$25,000 incentive value
- 2,544 emissions reduction

Guy, AB

- 2 measures: Variable Frequency Drives
- ~\$4,300 incentive value
- 219 emissions reduction

Calgary, AB



Saint Paul, AB

- 2 measures: HVAC
- ~\$2,600 incentive value
- 103 emissions reduction

Edmonton, AB

- 10 measures: LED lighting
- ~\$6,552 incentive value
- 526 emissions reduction

Grassy Lake, AB

- 3 solar PV systems
- ~\$145,125 incentive value
- 3,164 emissions reduction



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Closing remarks

- 51% of incentive funds remain
- Get your projects in soon
- If you haven't signed up yet, do so!





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Thank you!

We didn't get to your question? Feel free to reach out or visit our website:

Website: eralberta.ca/esb

Email: support@esbprogram.ca

Phone: 1-844-407-0025

LinkedIn: Emissions Reduction Alberta (ERA)

Twitter: [@ERAlberta_](https://twitter.com/ERAlberta)