



UFA Petroleum accessed almost \$90,000 in incentives through ERA's Energy Savings for Business Program and installed LED lights to cut costs and emissions.

## UFA PETROLEUM LIGHTS THE WAY FOR FARMERS, RANCHERS, TRUCKERS, AND RURAL COMMUNITIES

When you are providing fuel for farmers and ranchers in rural communities, it needs to be available at all hours of the day to support the schedules of hardworking Albertans. With that in mind, fuel stations need to be well-lit, safe, and energy efficient. That's a challenge UFA Petroleum is taking on.

For the past 113 years, UFA has supported the economic and social wellbeing of Alberta's farming and ranching communities. On top of supply stores, fertilizer plants, bulk deliveries of petroleum products, and an agricultural depot, the organization offers over 110 petroleum agencies and cardlocks, allowing customers to fuel up whenever they need.

UFA Petroleum benefited recently from funding through ERA's Energy Savings for Business (ESB) program. The ESB application process is one that the UFA team now knows well. In August 2022, they submitted 24 post-project applications for LED lighting upgrades. That brings the total to over 44 applications to ESB, totalling almost \$90,000 in incentive requests.

"We are upgrading and retrofitting our current locations with greener, sustainable technologies. It was incredibly helpful to be able to apply for funding to support the budget for the work and make these important changes to our infrastructure," says Joel Kosa, Project Engineer for UFA. "The use of these technologies ensures that UFA meets its customers' everchanging outlook on sustainability."

Since 1909, UFA has grown from a small-scale local co-operative into one of Canada's largest and most dynamic fuel suppliers serving over 120,000 members-owners. In 2021, UFA introduced Sustainability as a new focus area, including reducing environmental impacts through emissions reduction programs.

"At UFA, we have been serving our members and customers for over 100 years," said UFA's President and CEO, Scott Bolton. "We demonstrate sustainable leadership by integrating social, environmental, and economic practices into every decision we make so we can be sure we are here for another 100."

The Government of Alberta committed up to \$30 million for the ESB suite of funding through the Technology Innovation and Emissions Reduction (TIER) fund. Up to \$25 million in additional funds was made available from the Government of Canada's Low Carbon Economy Leadership Fund.

ESB helps Alberta businesses improve their efficiency and reduce emissions by supplying funding for commercial cost- and energy-saving technologies. It was designed to account for lifetime GHG reductions of 1.2 million tonnes of lifetime CO<sub>2</sub>e, create about 1,400 jobs, and drive \$385 million in economic activity.



ERA is committing up to \$50 million for game-changing technology solutions that reduce emissions and secure the competitiveness of existing and new industries.

## UP TO \$50 MILLION TO HELP TRANSFORM ALBERTA'S INDUSTRIAL SECTOR

The Government of Alberta is committing up to \$50 million through Emissions Reduction Alberta (ERA) for the Industrial Transformation Challenge. The investment will advance technology solutions with significant economic and environmental benefits across Alberta's industrial sector.

ERA's latest funding opportunity is focused on technology opportunities that will be key solutions for achieving net-zero emissions and securing the competitiveness of existing and new industries.

Sonya Savage, Minister of Environment and Protected Areas, Government of Alberta; and Justin Riemer, CEO, ERA; launched the funding opportunity at COP27 in Egypt in November 2022. Funds are sourced from the TIER fund.

"The Industrial Transformation Challenge is the latest TIER-funded program that will help accelerate the development and commercialization of promising clean technologies that set our job creators up for success in a lower-emissions future," said Savage.

"This investment will help our energy-intensive, often trade-exposed industries, invest in new technologies that can fundamentally reduce emissions and improve their competitiveness. Funding technology and innovation like this will continue to position Alberta as a forward-thinking.

Funding is open to applicants from across Alberta's industrial sectors, including petrochemicals, agriculture, forest products, manufacturing, energy, and more. The Industrial Transformation Challenge is focused on technology solutions that are currently not in widespread commercial use and will need significant investment, testing, and scale-up.

The Challenge is exploring technologies related to low- to zero-carbon heat, breakthrough industrial process improvements, electrification, methane reductions, and new product lines including sustainable mineral and metal extraction. While technology solutions can originate from anywhere globally, they must be piloted, demonstrated, or deployed in Alberta.

The Industrial Transformation Challenge plays to Alberta's unique advantages: including a talented workforce, locations available to host pilot projects, and concentrated clusters of industrial activity.

Innovators, technology developers, industrial facility owners and operators, industrial associations, small and medium-sized enterprises (SMEs), research and development organizations, universities, not-for-profits, government research labs, and individuals are invited to apply. The application deadline is Thursday, January 19, 2023, at 5 p.m. (MST).

## COMMITTED TO ACTION

ERA was created in 2009 to help deliver on the province's environmental and economic goals. ERA invests revenues from the carbon price paid by large industrial emitters in the pilot, demonstration and deployment of clean technology solutions that reduce GHGs, lower costs, attract investment, and create jobs in Alberta.

FUNDING OPPORTUNITY	WHAT'S IT ABOUT?	ERA FUNDING	HIGHLIGHTS
<b>GRAND CHALLENGE</b>	Technologies to transform CO <sub>2</sub> from waste to value-added	\$30M	2 projects awarded \$5M each in the final round
<b>METHANE CHALLENGE</b>	New methane detection and reduction technologies	\$23M	12 projects funded worth \$60M in total project value
<b>OIL SANDS INNOVATION CHALLENGE</b>	Late-stage, GHG-reducing technologies to help Alberta's oil sands industry remain competitive	\$36M	6 projects funded worth \$377M in total project value
<b>INDUSTRIAL EFFICIENCY CHALLENGE</b>	Technologies to increase efficiencies for LFE industrial facilities	\$56M*	9 projects funded worth \$199M in total project value
<b>BEST CHALLENGE</b>	GHG-reducing technologies in biotechnology, electricity, and sustainable transportation	\$76M	13 projects funded worth \$298M in total project value
<b>NATURAL GAS CHALLENGE</b>	Unlocking innovation across Alberta's natural gas value chain	\$58M	20 projects funded worth \$165M in total project value
<b>FOOD, FARMING, AND FORESTRY CHALLENGE</b>	Accelerating innovation for sustainable growth	\$28M	16 projects funded worth \$136M in total project value
<b>SHOVEL-READY CHALLENGE</b>	Support for companies ready to implement leading-edge technologies in applications for both greenfield and brownfield operations	\$166M*	16 projects funded worth over \$2B in total project value
<b>CARBON CAPTURE KICKSTART</b>	Advancing the province's global leadership in CCUS-related technologies	\$41M	11 projects that could lead to over \$20 billion in capital expenditures
<b>CIRCULAR ECONOMY CHALLENGE</b>	Reducing the impacts of material production, processing, and disposal	\$58M	11 projects funded worth over \$528M
<b>PARTNERSHIP INTAKE PROGRAM</b>	Evaluating promising GHG-reducing projects referred to ERA by Trusted Partners	\$69M*	18 projects funded to date worth over \$1.2B in total project value
<b>ENERGY SAVINGS FOR BUSINESS</b>	Support for small- and medium-scale industrial and commercial businesses for cost-saving and emissions reducing projects	\$55M*	\$41.4 million in incentive obligations to date

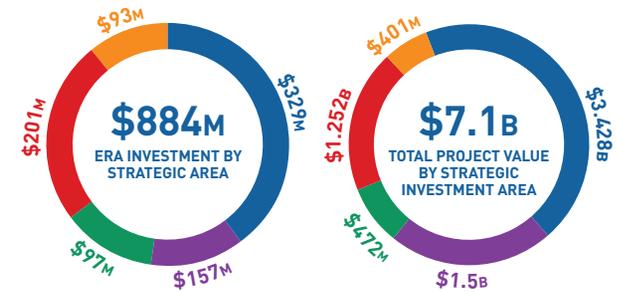
\*This program is funded in part by the Government of Canada's Low Carbon Economy Leadership Fund.

## TECHNOLOGY INNOVATION

### Investing in a Diverse Portfolio

#### 246 Projects\*

- ▶ **Future Fuels** (53 Projects)
- ▶ **Circular Economy** (56 Projects)
- ▶ **Energy Efficiency** (35 Projects)
- ▶ **Industrial Transformation** (63 Projects)
- ▶ **Carbon Sequestration** (36 Projects)



\*In 2012, ERA provided \$7 million in funding for three adaptation projects worth \$7 million in consultation with Alberta Environment and Parks.



### Cumulative Project Emission Reductions

#### 40 Mt CO<sub>2</sub>e Total by 2030



#### 99 Mt CO<sub>2</sub>e Total by 2050



Note: We have estimated emission reductions for all projects with approved funding commitments and executed funding agreements and assumed the projects will continue successfully and as planned. Should circumstances change for these projects, emission reduction estimates may change materially.

## COMMERCIAL ADOPTION

### ENERGY SAVINGS FOR BUSINESS PROGRAM

- PROJECTS 1,687
- INVESTED \$37.9 MILLION
- JOBS CREATED 1,123
- AB GDP CONTRIBUTION \$138 MILLION
- EMISSIONS REDUCED 2.6M lifetime tonnes of CO<sub>2</sub>e

## ALL PROJECTS



\*\*A person-year is equal to one-year of employment for one individual. Please note: economic impact is reported on a calendar year basis, not fiscal year.