

GRANT METAL RECEIVES \$1 MILLION FOR AN INNOVATIVE EQUIPMENT UPGRADE

The new outdoor plaza at Calgary's BMO Centre is a hub of summer activity. Its sweeping metal canopy towers over the space, making it a venue for musical performances, art installations, and shady spots to enjoy carnival food.

This unique metal structure is what Grant Metal Products does best. Based near Calgary, the company supplies medium- to light-gauge metals for building exteriors.

Founded in 1980, co-owners, Todd Hunchak and Sean Philipiew have big ambitions for the company. Last year, they applied to ERA's Strategic Energy Management for Industry (SEMI) program for \$1,000,000 to upgrade the company's Prima Power Shear Genius punch-and-shear machine.

The Shear Genius machine picks up a flat sheet of metal, adds tags and holes, and cuts it to the exact size required for exterior building designs. Beyond aesthetics, the panels help keep structures warm in winter and cool in summer.

"30 years ago, the punch and shear process would've been done by hand," says Philipiew, Grant Metal's Operations Manager. "Now it's time for us to innovate that process again. SEMI is helping us invest in the best equipment so we can be more productive and reduce our carbon footprint."

The current machine uses 32 kilowatts per hour, while the upgraded version will use only 8 kilowatts. The new machine is expected to deliver energy cost savings of over \$24,000 per year.

The company is also interested in ERA's Energy Management Information Systems activity in the SEMI program to help monitor its energy consumption and identify high-intensity areas.

"Right now, we measure our energy consumption by looking at the bills, which is not a unique experience for business owners," says Hunchak. "Adding an EMIS system will help us collect data and understand the equipment we need to be energy efficient."

Thanks to financial incentives from the SEMI program, Grant Metal is streamlining its operations, lowering costs, purchasing better equipment, and reducing its carbon footprint.



GRANT METAL PROVIDED METAL PANELING FOR THE SHANE HOMES YMCA AT ROCKY RIDGE IN CALGARY, ALBERTA.

IMPROVING HERD PERFORMANCE WITH AGRICULTURE AND AGRI-FOOD CANADA

Agricultural emissions account for about 8.5 per cent of Canada's total greenhouse gas emissions, with cattle contributing roughly 31 per cent of that total. But what if producers could raise cattle that eat less, emit less, and remain productive and profitable?

Supported by \$487,000 through ERA's Food, Farming, and Forestry Challenge, a team at Agriculture and Agri-Food Canada (AAFC) has developed a genomics-enhanced management platform for the beef industry. The tool provides producers with science-based insights to guide breeding decisions, improving both production efficiency and environmental sustainability.

"Genomic prediction can assess an animal's genetic merit as soon as its DNA is analyzed, essentially right after birth," said Dr. Changxi Li, Research Scientist at AAFC. "It's especially useful for traits that are difficult or expensive to measure, such as feed efficiency or carcass merit."

Over three years, the team analyzed genomic data from more than 10,000 animals and built a user-friendly web interface to deliver results directly to producers. The platform helps identify cattle with strong performance indicators, including feed efficiency, breed composition, and profitability potential. More feed-efficient cattle require fewer inputs and produce lower emissions over their lifetime, helping improve both environmental and

economic performance.

"A key part of successful genomic prediction is a reference data set with both actual trait measurements and high-quality DNA marker genotypes for a large number of animals," Li explained.

The platform has been transferred to Livestock Gentec, a centre for research and commercialization of genomics technologies at the University of Alberta, where it will help drive broader industry adoption.

"The transfer has greatly facilitated wider deployment," said Li. "Livestock Gentec has already begun applying these tools to 40,000 animals through a new project with a goal of helping producers improve their competitiveness and sustainability through enhanced genomic selection tools."

For producers, the benefits are clear: more efficient herds, lower input costs, and stronger alignment with the growing sustainability expectations of markets and consumers. As larger datasets are added and the tools continue to improve, the platform's impact is expected to increase.

"Genomics is no longer just for the lab," Li said. "It's now a vital predictive tool soon to be in the hands of Canadian cattle producers, helping them build a more profitable, more sustainable future."

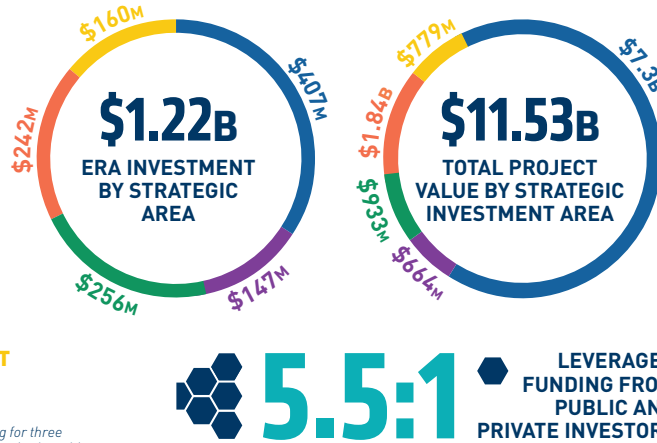


AAFC SUCCESSFULLY DEVELOPED DNA-BASED CATTLE BREEDING TO CUT EMISSIONS.

INVESTMENT IN TECHNOLOGY INNOVATION

368 Projects*

- ▶ **EMERGING ENERGY**
(78 Projects)
- ▶ **CIRCULAR ECONOMY**
(45 Projects)
- ▶ **IMPROVED EFFICIENCY**
(103 Projects)
- ▶ **INDUSTRIAL DECARBONIZATION**
(61 Projects)
- ▶ **CARBON MANAGEMENT**
(78 Projects)



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

Note: To ensure accuracy of the leverage ratio, projects with high project costs are capped at \$1B as these are considered an outlier.

CUMULATIVE PROJECT EMISSION REDUCTIONS



Note: GHG claims are subject to the disclaimer provided below. 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.

ENERGY EFFICIENCY PROGRAMS



PROJECTS 2595
COMMITTED \$109 MILLION
JOBS CREATED 2753
AB GDP CONTRIBUTION \$349 MILLION
ESTIMATED EMISSIONS REDUCED 4.66 Mt

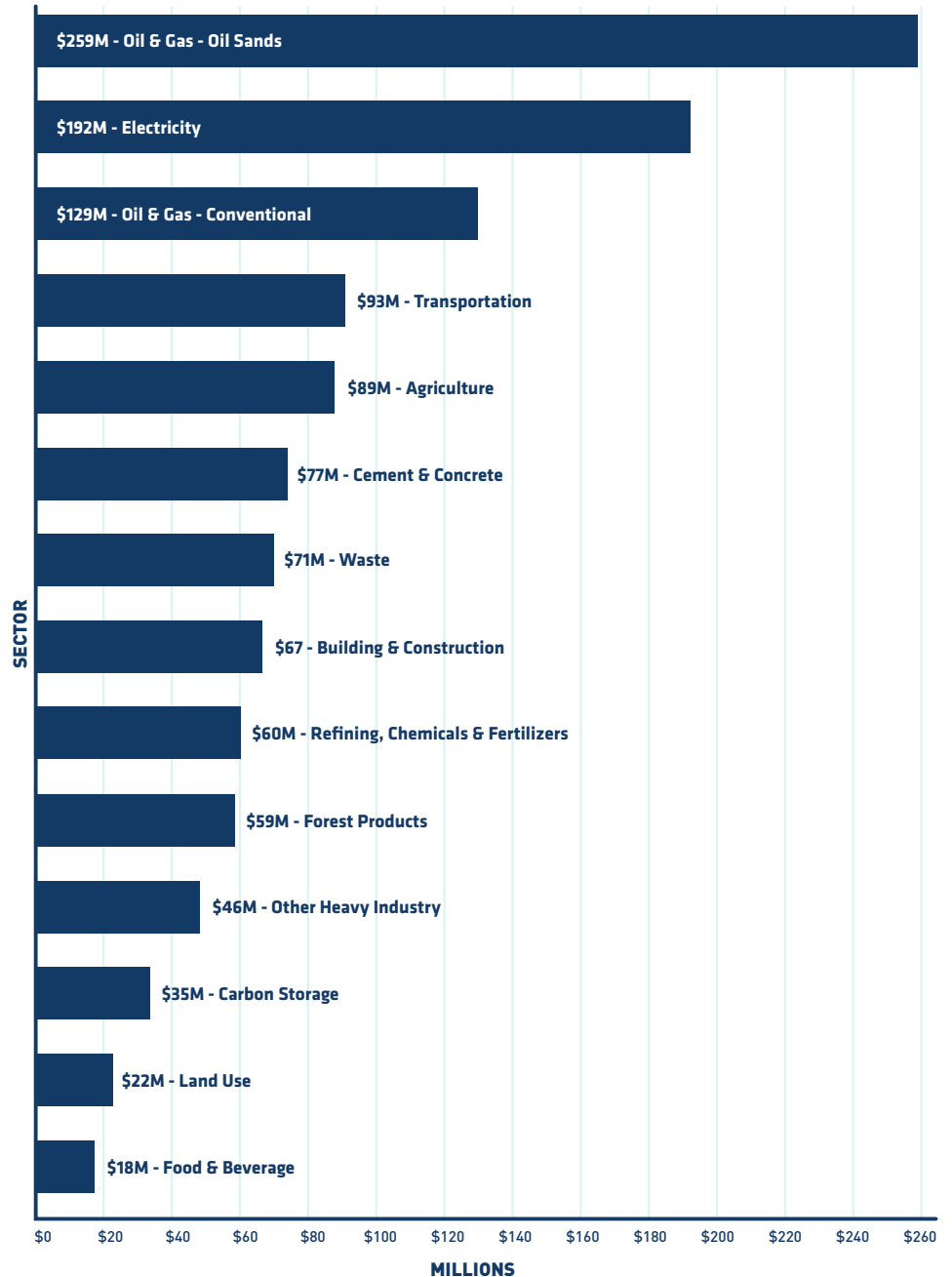
*Figures accurate as of March 31, 2026

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.

FUNDING BY SECTOR



Disclaimer: ERA presents consolidated portfolio information and forecasted information that relies on proponent assumptions and scenario analysis. Project and operating data used to prepare assumptions that are used in the methodology to calculate GHG emissions are determined by the project recipient and reviewed for reasonableness by ERA. While ERA makes every effort to ensure claims related to emissions performance are accurate, it does not audit underlying information or verify all source data and is not responsible or liable for any environmental claims, environmental performance metrics, or any representations, statements, or claims regarding emissions or emissions reductions contained in this Stewardship Report, or any assumptions or methodologies underlying any such claims.