



FUEL INNOVATION FUND

Future Fuels Challenge Webinar
Monday, May 4, 2026 @ 10 a.m.

Speaker Introductions

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Housekeeping

- Microphones are muted
- If you have any technical issues during webinar (interface or audio) contact Neil at nwedin@eralberta.ca
- Webinar is being recorded and will be posted on our website
- If you have a question, click the icon top right of your screen to open panel and submit question

Agenda

- About Emissions Reduction Alberta (ERA)
- About the Fuel Innovation Fund (FIF)
- Future Fuels Challenge 2026
 - Scope and eligibility
 - Advice for preparing a strong submission
 - Timelines
- Q&A

About ERA

- Independent, arm's-length corporation with 17 years of experience in transparently managing technology funding
- Core funding supported through Alberta's Technology Innovation and Emissions Reduction (TIER) regulation
 - Has also delivered funding from Federal programs including GIFMP (NRCan) and LCELF
- Trusted leader in advancing clean technology since 2009
- Several previous investments have aligned with clean fuels
- **Administers the Fuel Innovation Fund**



TECHNOLOGY INNOVATION

\$1.15B
TOTAL INVESTMENT



351
PROJECTS

28.9
MILLION TONNES
OF CUMULATIVE
EMISSIONS
REDUCTION BY 2030

84.7
MILLION TONNES
OF CUMULATIVE
EMISSIONS
REDUCTION BY 2050

\$11.1 BILLION

TOTAL
PROJECT
VALUE



5:1



LEVERAGED
FUNDING
FROM PUBLIC
AND PRIVATE
INVESTORS

ACCELERATING UPTAKE OF COMMERCIAL-READY TECHNOLOGIES THROUGH THE ENERGY EFFICIENCY PROGRAMS

\$61M
INVESTED



2300 PROJECTS SUPPORTED
THROUGH THE ENERGY
SAVINGS FOR
BUSINESS PORTFOLIO

4.48 MT OF LIFETIME
EMISSIONS
REDUCED

ALL PROJECTS



51,009

PERSON-YEAR
JOBS IN ALBERTA
BY 2027

\$8.19 BILLION

GDP IMPACT **TO ALBERTA**
BY 2027



69,935

PERSON-YEAR
JOBS IN CANADA
BY 2027

\$10.99 BILLION

GDP IMPACT **TO CANADA**
BY 2027



Fuel Innovation Fund at-a-glance

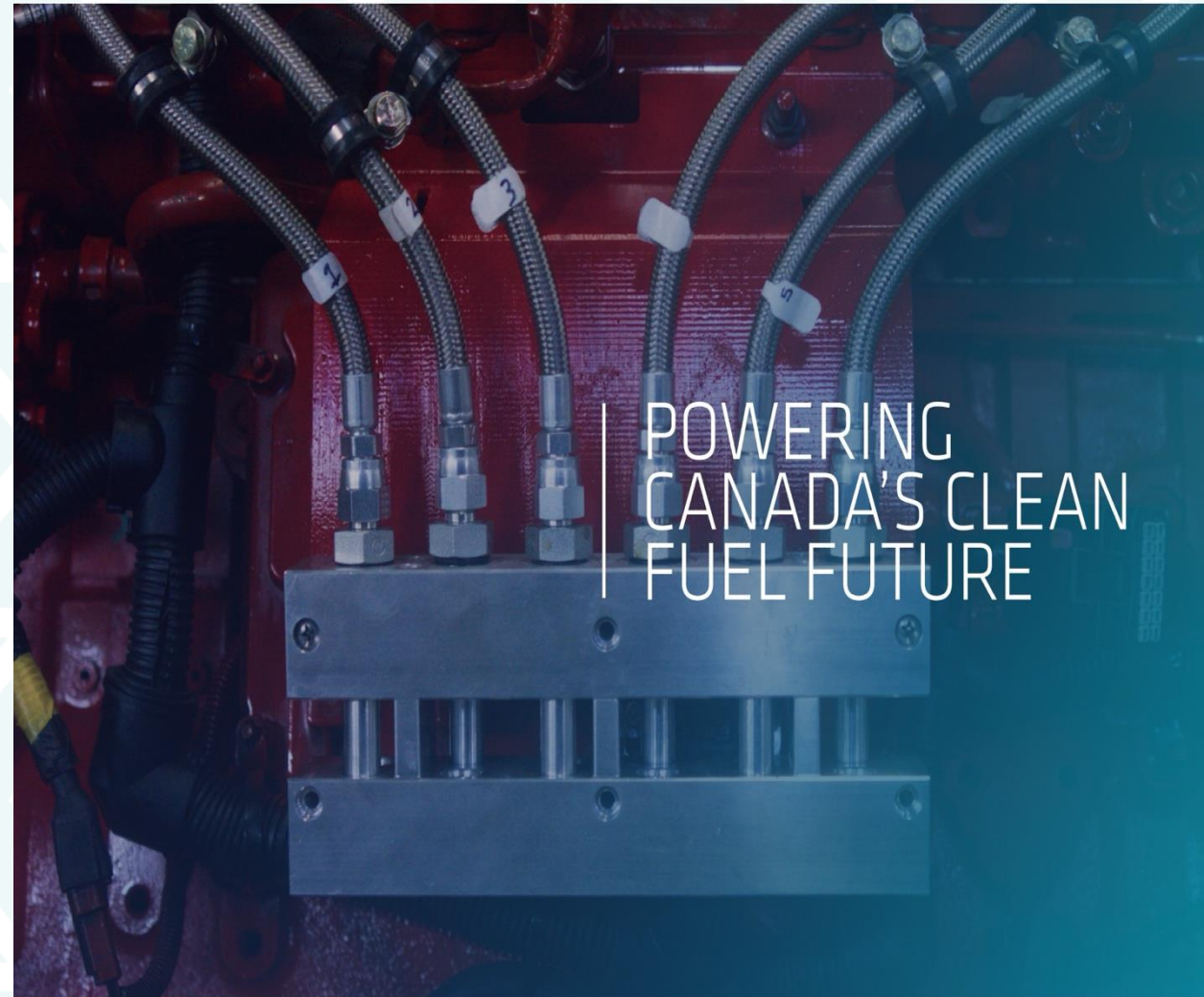
- The Fuel Innovation Fund (FIF) is a wholly-owned subsidiary of Emissions Reduction Alberta (ERA).
- FIF is an approved Emissions Reduction Funding Program under the Federal Clean Fuel Regulations
- By coupling ERA's nationally recognized rigorous funding process with a CFR-focused mandate and independent governance, FIF reinvests federal Clean Fuel Regulations compliance contributions directly from industry into Canadian-based projects that:
 - deliver measurable emissions reductions,
 - strengthen industrial competitiveness, and
 - advance clean fuels technologies



Accountability and governance

The Fuel Innovation Fund is designed for credibility and measurable outcomes:

- Milestone-based funding: dollars flow when progress is proven
- Emission reductions measured using a standardized, ISO-aligned quantification framework
- Independent expert Project Evaluation Committee
- Fairness Monitor oversight



What we fund and why it matters

Two funding streams:

- Contributor Reinvestment Program
- Future Fuels Challenge

Investments support:

- Canadian-based refineries and assets
- New innovations advancing clean fuel production nationwide



Future Fuels Challenge Overview

- Intended to be an annual, open funding call for projects aligned with FIF's mandate and the objectives of the CFR
- Competitive Call for Proposals seeking submissions from a wide range of applicants to be considered in a merit-based competition
- Targets investment in projects that will **deploy clean fuels solutions** in Canada in order to achieve **near term emissions reductions**
- **For the 2026 Future Fuels Challenge:**
 - **\$50 million** total available funding from FIF
 - Individual projects can receive a FIF contribution of between **\$1 million - \$10 million**

What kinds of projects can be funded?

- The Future Fuels Challenge is looking to support **solutions that reduce greenhouse gas emissions and/or fuel carbon intensity** in Canada's fuels and transportation sectors.
- Projects should focus on advancement and accelerated deployment of **near-commercial / commercial-ready technologies** beyond the current business-as-usual.
- Projects must demonstrate readiness to proceed, effective mitigation of technical risks, and a **high certainty of delivering measurable emissions reductions by December 31, 2030**.
- Provided the above are met, technologies at a range of Technology Readiness Levels (TRL) could be funded:
 - **Field Test/Pilot (TRL 6/7)***: Prototype technologies piloted, scaled, and tested in real-world operating environments and at relevant sub-commercial scale.
 - **Demonstration (TRL 8/9)**: Near-commercial technologies demonstrated at full scale in operational settings.
 - **Implementation (TRL 9+)**: Fully commercial deployment of technologies in their final operating form.

*All projects, especially those at lower TRL, must demonstrate mitigation of technical risk and achievement of GHG reductions from the project (for example, a TRL 6 scale pilot that would produce clean fuels for sale within 5 years). FIF expects most funded projects in this year's FFC will be at TRL 8 or higher.



What kinds of projects can be funded?

The Future Fuels Challenge is not technology prescriptive, meaning any technology that meets the objectives of the Call could theoretically be funded. Examples of technologies that FIF believes may align strongly with this Call include but are not limited to:

- Energy efficiency & optimization in the fuels sector
- Electrification & fuel switching in refineries and other fuels facilities
- Process changes (e.g. improved catalysts, separation, etc.) in the fuels sector
- Onsite clean electricity/heat production for use in the fuels sector
- Methane emission reduction
- Carbon Capture, Utilization, and Sequestration at refineries
- Co-processing of biogenic feedstocks in refineries
- Production of low CI liquid fuels like biofuels, synthetic fuels, aviation fuel, and similar



Eligibility

- Canada-wide funding call open to broad range of applicants including regulated fuel suppliers, industry innovators, and technology developers
 - Applicants are not required to be registered obligated parties under CFR or FIF contributors
- Projects must occur in Canada and must demonstrate measurable outcomes including greenhouse reductions and broader environmental and economic benefits within the transportation fuels value chain (“well to wheels”)
- Projects must demonstrate strong risk mitigation and a clear ability to deliver emissions reductions* within 5 years

* Absolute greenhouse gas (GHG) reductions and/or reductions in carbon intensity (CI)



Terms of Funding

- \$50 million total funding available, \$1 million - \$10 million per project
- Funding will support up to 50% of eligible project costs
- Funding must be matched at minimum 1:1 with private sector contributions
- Funding will be provided on a milestone basis, disbursed as eligible costs are incurred and progress is achieved over the life of the project
- All funded projects must enter into a Contribution Agreement with FIF and will be subject to both public and confidential reporting and data collection requirements
- IP and commercially sensitive information remains with the original owner and is not made public



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**EXPRESSION
OF INTEREST**



**Competition
Launch**



**EOI
Submission**



**Expert Team
Evaluation**



**Shortlist
Decision**



**Decision Letter
to Applicants**

2

**FULL PROJECT
PROPOSAL**



**FPP
Submission**



**Oral
Presentation**



**Expert Team
Evaluation**



**Funding
Decision**



**Decision Letter
to Applicants**

3

**PROJECT
EXECUTION**



**Work Plan
Finalization**



**Contribution
Agreement**



**Project
Monitoring**



**Progress
Reporting**



**Project
Completion**



**Sharing
of Results**

TIMELINE

The Future Fuels Challenge is an annual call. Key dates for the upcoming cycle:

EOI deadline

June 10, 2026, 5 p.m. MDT

Shortlist notification

Mid-July 2026

FPP submission

August 2026

Presentations

September/October 2026

Funding decisions

December 2026

Advice for Successful Applications

CLARITY

a clear description of your project and its impact

READINESS

project is ready to move, with defined partners, a clear plan, and effective risk mitigation

IMPACT

meaningful and measurable emissions reductions and economic outcomes

ALIGNMENT

a strong fit with the objectives of the Fund and the Clean Fuel Regulations

Preparing your application

- All submissions are made through Emissions Reduction Information Management System Application Portal.
 - grant-manager.com/erims/home
- Follow templates and submission requirements closely.
- **Key contacts:**
 - applications@fuelinnovationfund.ca for general application support
 - IMS@eralberta.ca for technical support with the submission system
 - info@fuelinnovationfund.ca for general inquiries

Questions?



Thank you!

