

# AGRICULTURE, WATER & LAND CHALLENGE

EMISSIONS REDUCTION ALBERTA

Investing in technologies that improve our environment and economy.

# About the Challenge

- **Broad sector focus:** Agriculture, agri-food, forestry, water, land, reclamation, remediation and waste.
- **Addressing key pressures:** Water scarcity, extreme weather, rising costs and environmental liabilities.
- **Seeking practical solutions:** Improve resource efficiency, restore land, reuse water, reduce waste and unlock new value.
- **Driving lasting impact:** Strong environmental benefits, business cases and commercial adoption.

# What we're looking for

- **Innovation**: Novel ideas to address industry challenges
- **Readiness**: Field pilots, demonstrations, and first-of-kind deployments
- **Impact**: Measurable environmental and economic benefits in Alberta
- **Adoption**: A credible business case and path to commercial use

# Example technologies: agriculture and agrifood

- Precision agriculture, robotics, and autonomous equipment
- Nutrient and manure management
- Livestock methane reduction
- Controlled-environment agriculture and food processing
- Soil amendments and agrivoltaics
- Recovery of value from agricultural and food byproducts

# Example technologies: water

- Advanced treatment and filtration, including modular systems
- Desalination and salinity management
- Irrigation optimization
- Biological treatment and constructed wetlands
- Leak detection and automated monitoring
- Recovery and reuse of water or materials from treatment streams

# Example technologies: land, forestry, and waste

- Wellsite and infrastructure reclamation
- Treatment of contaminated soil and groundwater
- Tailings and mine-water treatment
- Bioremediation, reforestation, and ecosystem restoration
- Recycling, waste-to-value, and waste-to-energy
- Landfill methane reduction and resource recovery

# Funding and how to apply

- Funding
  - Up to $60 million available
  - $250,000 to $10 million per project
  - Minimum 1:1 matching contributions
- Key dates
  - December 16, 2026: Expression of Interest deadline
  - March 2027: Full Project Proposals due
  - June 2027: Funding decisions expected

# Next Steps

- Unanswered questions?
- Review the guidelines and supporting materials online
- Email remaining questions to applications@eralberta.ca
- Begin your submission today

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