

Clean Growth in the Natural Resource Sectors Program (CGP)

Alberta's Clean Growth Program Webinar

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Agenda

1. Overview of the Office of Energy Research & Development (OERD)
2. Clean Growth in the Natural Resources Sectors Program overview
 - Key features
 - Submission and evaluation process
 - How to prepare a successful Letter of Interest (LOI)
 - Timelines
3. Collaborative Support
4. Q&A Period



About OERD

The **Office of Energy Research and Development** (OERD) is the Government of Canada's co-ordinator of energy and clean technology research, development, and demonstration (RD&D) activities.

Budget 2017 Programs

- Green Infrastructure Program (GI)
- Impact Canada Fund (ICF)
- Clean Growth Program (CGP)

Core Programs

- Energy Innovation Program (EIP)
- Program for Energy R&D (PERD)



<https://www.nrcan.gc.ca/energy/offices-labs/oerd/5711>



Clean Growth in the Natural Resource Sectors

Program Overview



Budget 2017 provided:

\$155M over 4 years to support clean technology research, development, and demonstrations in Canada's Natural Resource Sectors



Forest



Energy

Mining



Program Objective:

“to advance emerging clean technologies toward commercial readiness so that natural resource operations can better reduce their impacts on air, land, and water, while enhancing competitiveness and creating jobs.”



***Clean technology:** any process, product, or service that reduces environmental impacts.

Key Features

1. Issues-focused, technology-agnostic scope
2. Eligibility: Funding to P/T supported projects
3. Open Access to Federal Facilities – STAC Projects



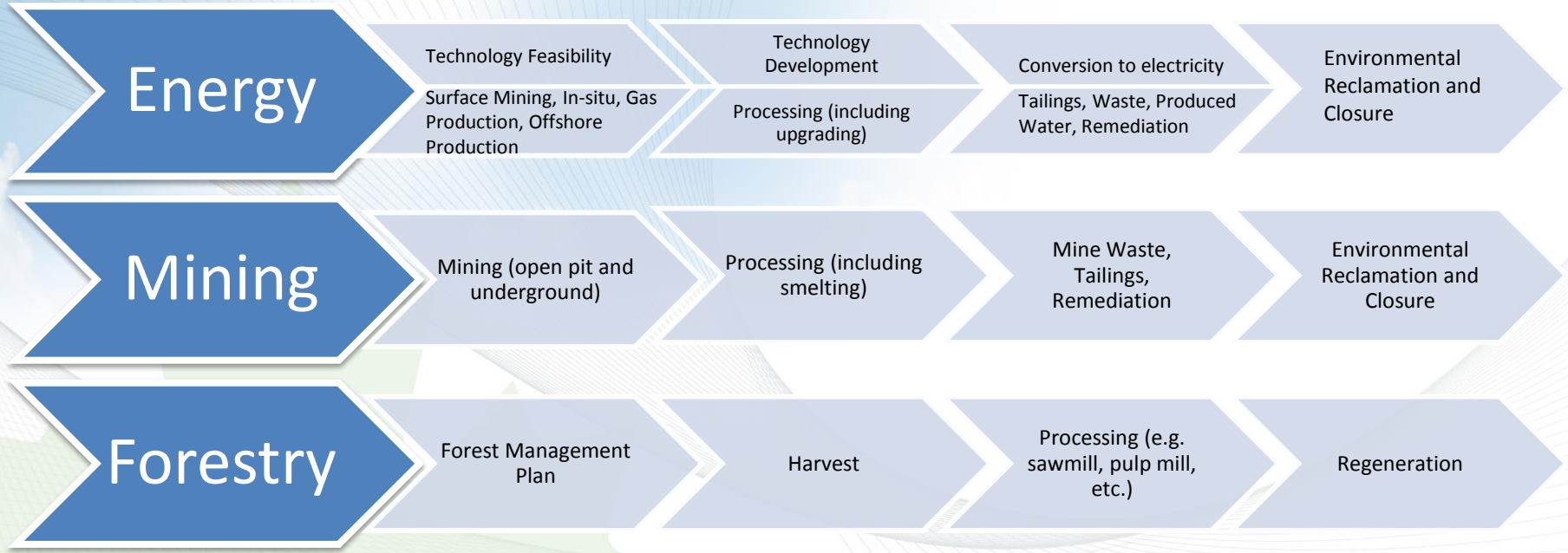
1. Issues-Focused, Technology Agnostic Scope

Focus on five areas addressing both pressing environmental challenges and economic opportunities for Canada's Natural resource sectors:

1. Reducing GHG and air emissions from natural resource operations
2. Minimizing landscape disturbances and improving waste management in natural resource operations
3. Supporting the production and use of novel advanced materials and bioproducts in natural resources operations
4. Improving efficient energy use and productivity in natural resource operations
5. Reducing water use and impacts on aquatic ecosystems from natural resource operations

Natural Resource Operations: The industrial processes involved in the extraction, harvesting, and conversion of natural resources. For energy, this includes the conversion of primary energy sources into electricity.

Natural Resource Operations: Sectoral Overview



2. Provincial/Territorial Collaboration

- Applicants must have identified P/T co-funding by the time of proposal submission
 - Financial or In-kind Support
- Eligible Sources for PT Funding
 - funding programs or P/T funded organizations and individuals



3. Opening Access to Federal Facilities

Projects can include the participation of federal researchers and laboratories



STAC Projects

- A collaborative model
 - permits scientific collaboration between federal laboratories and external funding recipients.
- Lead project proponent must be a external funding recipient.
- Federal research centre participation is intended to **fill a gap** in the capacity of the external funding recipient.
 - This may include the procurement of special expertise, and access to facilities.
- Canada's clean technology small and medium enterprises will benefit a great deal from this improved access to federal researchers. Federal research centre in-kind contributions to projects will be funded directly from the program.



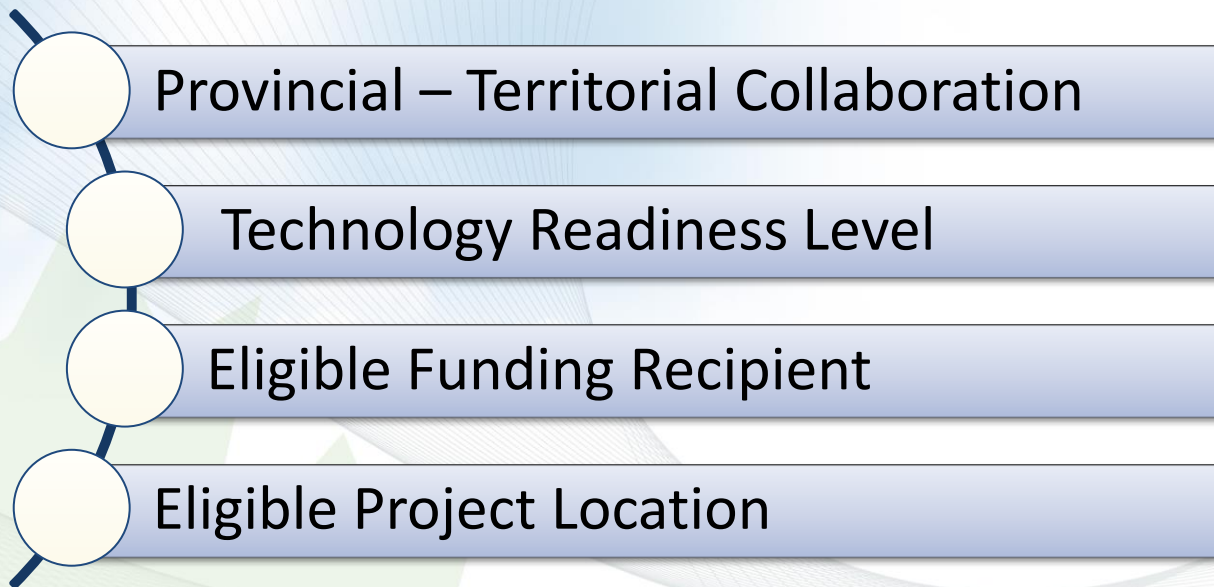
Clean Growth in the Natural Resource Sectors

Application and Submission Overview



Eligibility

Applicants must meet the following criteria:

- 
- Provincial – Territorial Collaboration
 - Technology Readiness Level
 - Eligible Funding Recipient
 - Eligible Project Location

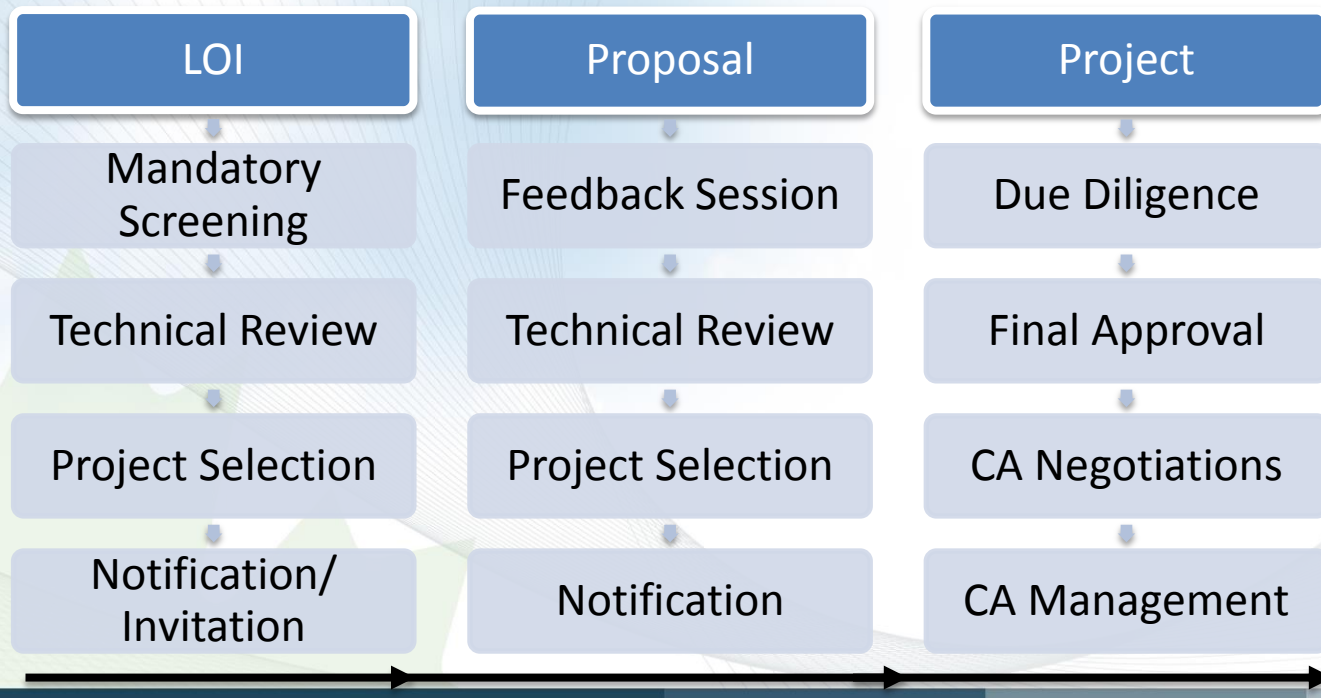
Project Selection

- Projects will be selected using the following considerations:
 - Provincial/Territorial co-funding requirement;
 - Alignment with scope;
 - Environmental and economic benefits;
 - Technical merit and feasibility;
 - Level of innovation/advance on the state of the art; and
 - Capacity for commercial up-take and adoption.



Application and Project Selection Process

- Two-phase competitive process, with proposal phase by invitation only.



To be successful...

- Carefully read the LOI Applicants' Guide
 - Review the evaluation criteria
- Seek out collaboration opportunities and PT co-funding
 - Reach out individually
 - Use provided Support Tools
 - Allow for sharing of LOI
- Use clear language and answer questions in detail
- Do not wait until the deadline to submit your LOI
- Continue to solidify your collaborative efforts event after you have submitted your LOI



To be successful...

- Understand the expected outcomes of the program
 - Environmental Objectives
 - GHG emission reductions of 0.3 to 0.7 megatonnes per year by 2026
 - Water use reduced by 100,000 m³ to 2,000,000 m³ per year by 2026
 - Waste decreased by 20,000 tonnes to 30,000 tonnes per year by 2026
 - Economic and Social Objectives
 - A net increase in employment (800 direct and indirect jobs annually during the period of funding, excluding the ramp up year).
 - Creation of new revenue streams, and improvements in public confidence



Timeline

When	Milestones
November 20 th	Clean Growth Program Launch
Dec 5 th	Open for LOI submissions using INTEGRO ^{BETA}
February 7th	Deadline to submit LOI
Spring 2018	Invitations to submit full project proposals
Spring 2018	Feedback sessions with successful LOI applicants
Spring/Summer 2018	Submissions of full project proposals
Summer/Fall 2018	Project selections

*NRCan deserves the right to modify these dates



Clean Growth Collaboration



Clean Growth Collaboration Community

- Connect with key players, potential collaborators, and funders.
- Tap into the resources right for your project!



Natural Resources
Canada

Ressources naturelles
Canada

Canada

Thank you

