

# EXPRESSION OF INTEREST (EOI) APPLICATION FORM: THE CLEAN TECHNOLOGY DEVELOPMENT PROGRAM

Part of the Climate Change Innovation and Technology Framework

## 1. OVERVIEW

Climate Change Innovation and Technology Framework (CCITF) Programs are designed to support and enhance the clean innovation ecosystem, to improve Alberta's ability to reduce greenhouse gases (GHGs) emissions, promote economic diversification, and transition to a lower carbon economic system. Applications will be evaluated based on their potential to achieve the targeted CCITF outcomes. Please review the Program Guide for further information. [Clean Technology Development program guide](#)

To apply for the Clean Technology Development Program, please first complete this Expression of Interest (EOI).

This Expression of Interest form will be used to assess the merits of the proposed application and its fit with the CCITF mandate and strategic priorities of Alberta Innovates. Applicants must complete the form in its entirety. Applicants that fail to use this EOI and complete all sections will not be considered. Proposals exceeding the character count in any section will be arbitrarily truncated or rejected.

The deadline for submission of EOI's is May 4, 2018 at **2:00 PM Mountain Daylight time**. Late submissions will not be accepted. The following timelines are anticipated for the EOI phase of this Competition. Note that AI at its sole discretion reserves the right to alter or cancel the program or change timelines.

EOI Submission Deadline	May 4, 2018
EOI Decision Notification	June 1, 2018

**Successful EOI applicants with proposals valued at over \$100,000 will be invited to submit a Full Project Proposal. EOI's under \$100,000 will be evaluated and processed based on the EOI alone with a final funding decision being issued on the EOI decision notification date.** To learn more about our application process, please visit the [CCITF website](#).

AI is not responsible for the costs incurred by the applicant in the preparation and submission of any application.

At the Expression of Interest stage of application, the project will be evaluated on the criteria shown below. The applicant will be required to provide information in sufficient detail to allow the evaluation team to adjudicate the project. Please follow the requirements/instructions carefully while at the same time being concise in substantiating the project's merits.

Criterion
<p><b>Opportunity</b></p> <ul style="list-style-type: none"> <li>• Market Potential</li> <li>• Knowledge/Technology Opportunity</li> </ul>
<p><b>Outcome Focus</b></p> <ul style="list-style-type: none"> <li>• Project Outcome Focus</li> <li>• GHG Emission Potential</li> <li>• Economic Benefit Potential</li> </ul>
<p><b>Implementation</b></p> <ul style="list-style-type: none"> <li>• Work Plan</li> <li>• Excellence of the Project Team</li> <li>• Training of Highly Qualified and Skilled Personnel (HQSP)</li> <li>• Funding Commitment</li> </ul>

Alberta Innovates is governed by FOIP and may be required to disclose information received under this Application, or other information delivered to Alberta Innovates in relation to a Project, when an access request is made by anyone in the general public. In the event an access request is received by Alberta Innovates, exceptions to disclosure within FOIP may apply. If an exception to disclosure applies, certain information may be withheld from disclosure. Applicants are encouraged to familiarize themselves with FOIP. Information regarding FOIP can be found at <http://www.servicealberta.ca/foip/>.

SUBMIT THIS EOI VIA Email BY SENDING IT AS A PDF ATTACHMENT TO THE FOLLOWING EMAIL ADDRESS: [CCITF-CTDP@albertainnovates.ca](mailto:CCITF-CTDP@albertainnovates.ca)

Please use the following file naming convention when submitting your EOI:  
 CCITF – CTDP – EOI {Lead applicant lastname.firstname} – {Submission DateYYYY-MM-DD}

**Example: CCITF – CTDP – EOI Smart.Alex – 2018-05-04**

All Investment determinations made by Alberta Innovates (including declining an Investment) are final, non-appealable and binding on the Applicant. Any failure to inform the Applicant of the determination regarding the EOI, within the timelines provided above will not result in any obligation or liability of Alberta Innovates to the Applicant. Alberta Innovates may also, in its sole and absolute discretion, forward to the Applicant the constructive feedback, but will not provide any information regarding an expert’s personal information. Applicants are not entitled to access any information regarding the experts, including personal information, nor are they entitled to access or review the expert’s recommendation.

Alberta Innovates has the right, as determined in its sole and absolute discretion, to impose a life-time limit on the number of Applications an Applicant may submit.

If you have questions regarding this EOI, please email: [KMTeam@albertainnovates.ca](mailto:KMTeam@albertainnovates.ca)

Thank you for your interest in working with us!

## 2. PROJECT INFORMATION

**Project Title**

**Project Start and End Date:**

**Proponent Contact Information**

## Previous Interactions with Alberta Innovates and Alberta Government Departments

### 3. OPPORTUNITY

#### **Project Non-Confidential Summary NCS**

Should your application be successful, AI reserves the right to publish Applicant Name, Project Title and this NCS. Therefore, please do not include any proprietary information in this summary.

Please check this box to acknowledge you have read and understand.

**Sector Focus**

CCITF SECTOR (CHOOSE MAX 2)
<input type="checkbox"/> Cleaner Oil and Gas
<input type="checkbox"/> Methane Emissions Reduction
<input type="checkbox"/> Low Carbon Electricity
<input type="checkbox"/> Waste to Value-Added
<input type="checkbox"/> Green Buildings
<input type="checkbox"/> Energy Efficiency

**Market Impact**

## Technology Status

### Technology Readiness Level (TRL) Self-Assessment

- Please identify the numerical TRL of your technology at the “Project Start” and “Project End”.
- The TRL definitions are provided below.
  - **Research (TRL 1-3):** Research is primarily done in the lab and ranges from fundamental research to proof of concept in a lab setting. Theory and scientific principles are focused on knowledge and application to define the concept. Analytical tools are developed.
  - **Development (TRL 4-6):** The basic technological components are integrated for testing in a simulated environment and include alpha testing of prototypes. Knowledge and operational practices (e.g., best management practices) are tested at small scales in the field. Typically, 0.1% to 5% of full-scale.
  - **Field Pilot (TRL 7):** The prototype is tested in the field in an operational environment and is well integrated with other systems. Typically, a pilot plant at 5% commercial-scale.
  - **Demonstration (TRL 8-9):** The technology is scaled up and tested in its final form and under expected conditions. Activities include the development of handbooks, documentation and maintenance. Typically, at 25% commercial-scale or at full scale but with minimal replication.
  - **Commercial (TRL 10):** The first commercial application of the technology; the technology is ready for licensing and widespread adoption by others.

TRL at Project Start	TRL (anticipated) at Project End

## 4. OUTCOMES FOCUS

**Project Outcome Focus**

**GHG Emissions Reductions Impact**

**Economic Benefits to Alberta**



## 5. IMPLEMENTATION

Description of the work plan

**Description of Project Team and Organization**

**Capacity Building and Training of HQSP**

**Project Funding**

- Please fill in the funding table below. Add columns and rows as necessary. All amounts should be in Canadian dollars. Please indicate if the funds are committed or applied for.

SOURCE	AMOUNT	STATUS
Amount Requested from AI	\$	Applied for
Amount Supplied by the Applicant	\$	
<b>AMOUNT SUPPLIED BY GOVERNMENT(S) OR THIRD PARTIES (PLEASE LIST)</b>		
•	\$	
•	\$	
•	\$	
•	\$	
•	\$	
<b>SUMMARY OF ELIGIBLE EXPENSES</b>		
	<b>Amount Requested from AI</b>	<b>Provided by the Applicant or other sources</b>
• Labour		
• Materials		
• Capital Assets & Software		
• Travel		
• Sub-Contractors		
• Other		
<b>TOTAL</b>	\$	

**6. APPLICATION ATTACHMENTS**

## 7. APPLICATION SIGNATURES

### Publication of Non-Confidential and Aggregate Information by Alberta Innovates

Alberta Innovates may (1) publish and/or disseminate in the public domain certain information contained within this Expression of Interest as a way to promote success stories about innovation in the Province of Alberta and/or (2) use certain information contained within this Application as a way to verify information contained herein. On these bases, Alberta Innovates deems the following information in this Application to be non-confidential and subject to disclosure by Alberta Innovates in its sole discretion at any time: Applicant and Applicant Representative Contact Information, Project Title and Non-Confidential Summary.

Alberta Innovates will also aggregate certain information contained within this EOI for the purposes of reporting or dissemination in the public domain. For clarity, 'aggregate' means removal of personal identifiers such as names, locations and addresses of the Applicant and employees, and combining such information with that of other Applications submitted by Applicants.

### Consent and Declaration of Applicant

By submitting this EOI, including any supporting documentation, I, in my capacity as the authorized representative of the Applicant, legally represent for and on behalf of the Applicant that:

- The Applicant acknowledges, understands and agrees to the disclosure of non-confidential information and aggregate information as identified above, by Alberta Innovates in its sole discretion;
- The Applicant Representative is legally authorized to submit this for and on behalf of the Applicant and has the requisite power to legally bind the Applicant;
- The Applicant Representative has read and understands the Guide;
- All information contained in this EOI including but not limited to the Project and supporting documentation, is true and accurate;
- The Applicant acknowledges that failure to provide true and accurate information in this EOI will result in automatic rejection of the EOI;
- Submission of this EOI does not obligate Alberta Innovates to make an Investment in the Project and Alberta Innovates has sole and absolute discretion in making its Investment determination; and
- If this EOI is approved, and the ensuing full proposal are also approved, Alberta Innovates and the Applicant must execute an Investment Agreement which provides additional contractual terms and conditions governing the Investment made by Alberta Innovates to the Project before Alberta Innovates will advance funds.

<b>Team Leader's Name</b>	<b>Title/Organization</b>
<b>Signature</b>	<b>Date</b>

<b>Authorized Representative's Name</b>	<b>Title/Organization</b>
<b>Signature</b>	<b>Date</b>

**Optional:**  
By signing below, I acknowledge I am willing to allow Alberta Innovates to share this application with trusted funding partners.