

Canadian Geothermal Energy Association
 P. O. Box 1462 St. M, Calgary, Alberta, T2P 2L6, Canada
 info@cangea.ca - www.cangea.ca



Dear CanGEO members,

On August 8, 2018, the CanGEO Policy Team attended the **Alberta Innovates: Clean Technology Facilities Support Funding (CTFS) Program Webinar**. The CTFS is a recently announced funding stream that will build off the Climate Change Innovation and Technology Framework (CCITF) and focus on developing emerging technologies. The funding stream of interest to CanGEO members will most likely be the Electricity Technology Test Centre, which will focus on the following:

- A variety of testing facilities to close gaps within the Alberta grid and Alberta market
- Grid modernization
- Micro-grids and Micro-generation
- Dispatchable technology in isolated communities
- Establishing of emerging technologies

During the question period, we asked the following questions:

Q1: What about technologies that are used in other jurisdictions successfully but not deployed in Alberta (i.e. Geothermal)? These technologies score high for TRL globally but would be considered relatively unknown to Alberta.

Emerging technologies are welcome to apply, and participation is encouraged. Technology that scores higher in the Technology Readiness Level (TRL) measurement may have more success in advancing through the application process. Furthermore, the funding streams are not intended to be distributed to projects that build on already in place or developed systems, so the development of new to Alberta technology is the desired outcome of funding.

Q2: Are micro-generation electricity projects eligible for the Electricity Tech Centre, or are you looking for a minimum MW to qualify?

The intention of the program is the testing, development, or demonstration of technology and system components or segments, as such, there is no desired minimum of electricity generation.

Q3: Does the facility need to be in Alberta or just be able to be used by Alberta companies?

The facility must be located in, and directly benefit Alberta.

Content:

The required area for deployment and implementation of technology and projects will be Alberta; however, applicants outside of Alberta are welcome to apply or to collaborate with Alberta companies. However, the project itself must be deployed within Alberta to directly target the betterment of Alberta grids and markets. In addition to the jurisdictional requirement, applicants were encouraged to seek out partnership

The Canadian Geothermal Energy Association (CanGEO) is the collective voice of Canada's geothermal energy industry. As a non-profit industry association, we represent the interests of our member companies with the primary goal of unlocking the country's tremendous geothermal energy potential. Geothermal energy can provide competitively priced, renewable, round-the-clock energy to the Canadian and U.S. markets.

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opportunities to best incorporate a large spread of individuals (i.e. Researchers, developers, communities, Academia, etc.).

Interested members are encouraged to seek out partnerships that will allow for the best understanding of the Alberta market, and the challenges and opportunities the project may face because of jurisdictional regulatory and economic considerations. Market potential and technology opportunity are weighed heavily in the evaluation criteria, and as such, members should take care to ensure that due diligence is taken in developing a well-structured project plan that addresses the following:

1. What type of facility will this be? Research/Pilot/Demonstration?
2. What are the outcomes? How will this facility benefit Alberta? (Market, Job Creation, GHG impact, Socioeconomic, Addressing Market or Technology gaps, etc.)
3. Why does Alberta need it? Has it been successfully deployed elsewhere?

Funding:

Funding must be matched at 50% through cash and/or in-kind. Private investment of funds is a consideration, but other government funding is accepted and encouraged; **there is no stacking maximum.**

Funding will be capped at \$4 million for the electricity facility stream and funds will be disbursed based on milestones. It is expected that a variety of facilities will receive funding, and as such, it is imperative that members put forward a strong application.

Closing Remarks:

The EOI submission deadline for the CTFS program is August 30, 2018. Interested members should review the guidelines prior to submission. We encourage interested members to get started on the application process as soon as possible. This is expected to be a highly competitive submission; the number of webinar attendees reached 114 individuals, and they expect they will receive several applications. We encourage members to consider letting us know if you are planning on submitting, as we would be happy to write a letter of support towards your submission, as well as to help interested members identify possible partnership opportunities within the association.

If you have any additional questions, please feel free to reach out the CanGEO Policy Team at powEARTHful@cangea.ca.

Sincerely,

Kayla Wilson-Layton
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