

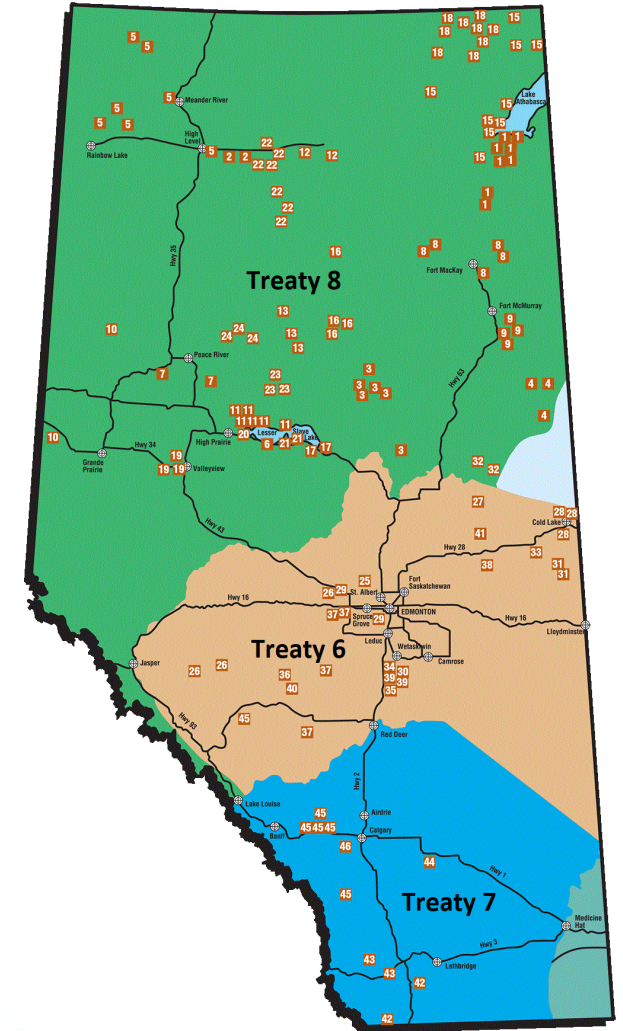
# Municipal Community Generation Challenge

**Network Formation Webinar – June 19, 2019**  
**Climate Change Innovation & Technology Framework**

# ACKNOWLEDGEMENT

**We would like to respectfully acknowledge that this webinar is being presented to you from Treaty 6 territory, and reaching you in Treaty 6, 7, and 8 territories; all traditional lands, meeting grounds, and travelling routes of First Nations and Métis people.**

**We acknowledge all the many First Nations, Métis, and Inuit whose footsteps have marked these lands for centuries, and whose presence continues to enrich our vibrant communities.**





# AGENDA

**HOUSEKEEPING**

**CHALLENGE OVERVIEW**

**NETWORK FORMATION STEPS**

**BUILD YOUR NETWORK**

**QUESTION PERIOD**

# HOUSEKEEPING

- **Please mute your microphones to avoid echo**
- **If you are joining by phone, please enter your Conference ID when prompted**
- **Submit questions through the chat messaging box, located on the bottom left corner**

# MUNICIPAL CLIMATE CHANGE ACTION CENTRE

**Provides funding, technical assistance, and education to support Alberta municipalities, schools, and non-profits in addressing climate change by reducing their greenhouse gas emissions**





# ALBERTA INNOVATES

**Aims to diversify Alberta's economy, improve our environmental performance and enhance the well-being of Albertans through research and innovation**

**C-FER**  
Technologies



 **InnoTech**  
ALBERTA

# EQUITY, DIVERSITY AND INCLUSIVITY

**We believe the Alberta Research and Innovation ecosystem is stronger and more sustainable when it is broadly representative of the overall **diversity** of our community**

**We strive to ensure that all interested and qualified parties have an **equitable** opportunity to participate and contribute to the ecosystem and that our processes are inclusive**

# CLIMATE CHANGE INNOVATION AND TECHNOLOGY FRAMEWORK (CCITF)

**By year 2030, Alberta's use of innovation and clean technology will accelerate the shift to lower carbon economy, generating significant environmental and economic benefits**



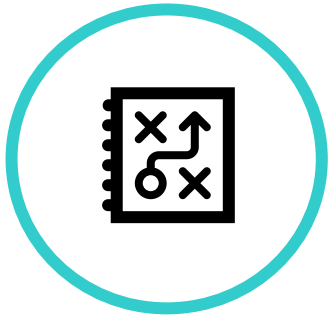
# WHY CCITF?



**Environmental Performance**



**Economic Diversification**



**Energy Transition**



**Innovation System  
Performance**

# CCITF PROGRAMS

**Clean Technology programs on behalf of  
Economic Development & Trade for:**

- **Development (CTD)**
- **Networks (CTN)**
- **Commercialization (CT Comm)**
- **Business Innovation Vouchers (CTBI)**
- **Facilities Support (CTFS)**

**Municipal Community  
Generation Challenge  
is supported by both  
the CTN and CT Comm**

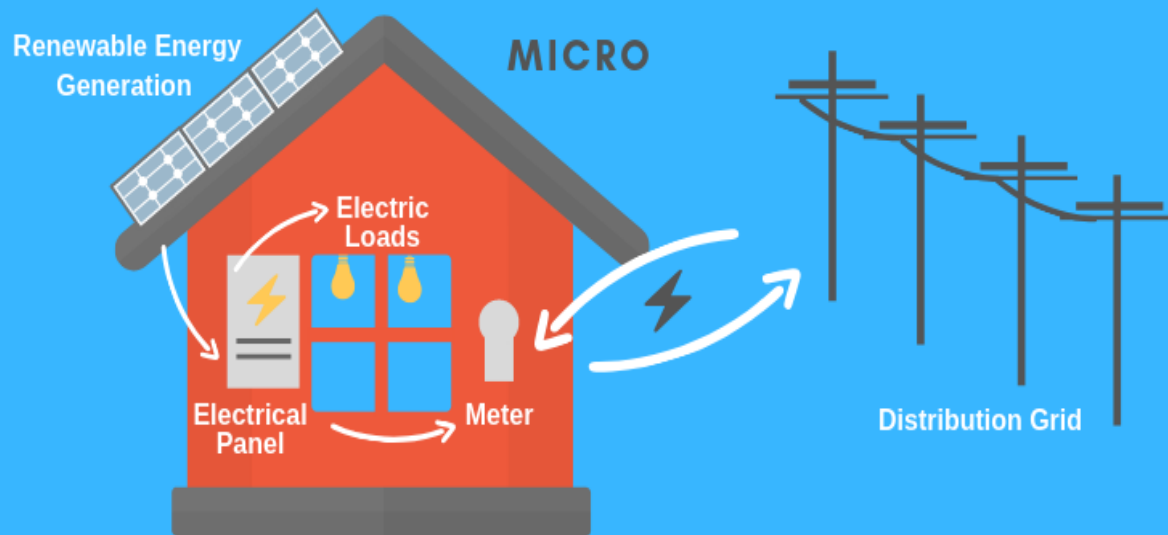
# MUNICIPAL COMMUNITY GENERATION CHALLENGE

# WHAT IS COMMUNITY GENERATION?

**Distribution-connected renewable or alternative energy system that provides community benefits**

- **Allows communities to participate in energy projects through full or partial ownership**
- **Gives Albertans access to renewable energy and generate revenue by selling electricity to the grid**





Micro-generation unit powers your building first. Extra energy goes into the grid and you receive a credit on your electricity bill.

## MICRO VS SMALL SCALE ELECTRICITY GENERATION

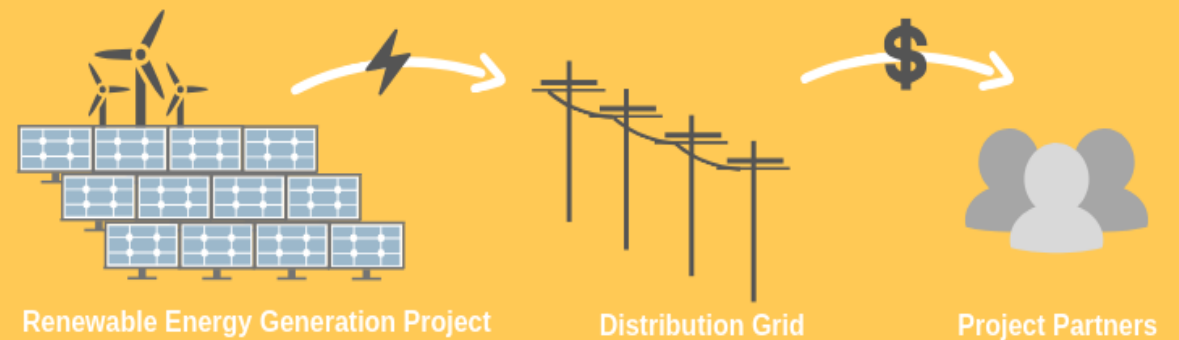


Renewable Energy Generation Project      Distribution Grid      Project Partners  
Small Scale Generation facility sells electricity to the grid and the project generates revenue.

### SMALL SCALE\*

\*Community Generation is a subset of Small Scale Generation, which requires social, environmental, or economic community benefits, such as creating local jobs.

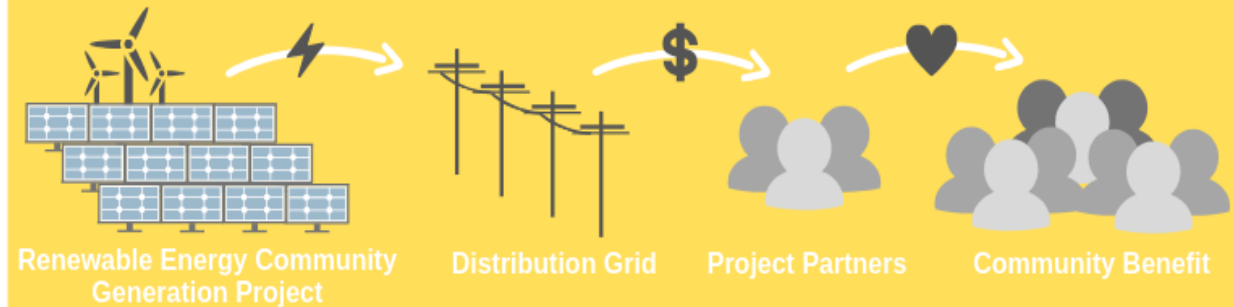
## SMALL SCALE



Renewable Energy Generation Project      Distribution Grid      Project Partners  
Small Scale Generation facility sells electricity to the grid and the project generates revenue.

## TYPES OF SMALL SCALE ELECTRICITY GENERATION

### COMMUNITY GENERATION



Renewable Energy Community Generation Project      Distribution Grid      Project Partners      Community Benefit  
Community Generation is a subset of Small Scale Generation. Municipalities, Indigenous communities, non-profits, universities, and others can partner together or with private developers on projects.

Projects require social, environmental, or economic community benefits, such as creating local jobs or building community infrastructure.

# FUNDING



**\$7 million**



**\$3 million**

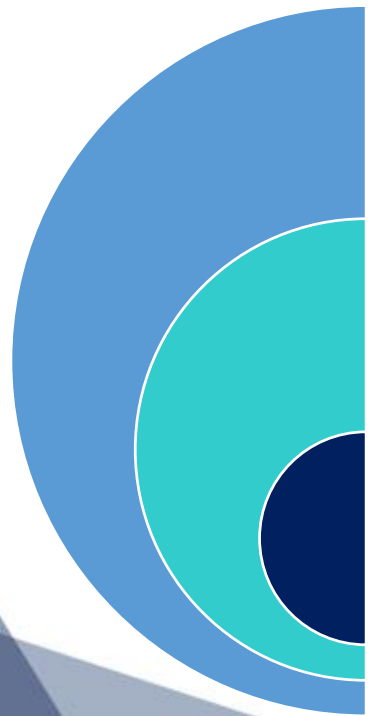


**\$10 million**

**The municipality/ SME Network partners are expected to contribute financially (cash, in kind, or combination) to the project in an amount 25% or more of the AI contribution**

# FUNDING

**EXAMPLE FOR ONE PROJECT WITH TOTAL COST = \$10,750,000**



**Municipal Climate  
Change Action Centre**

**\$7 Million**

**Alberta Innovates**

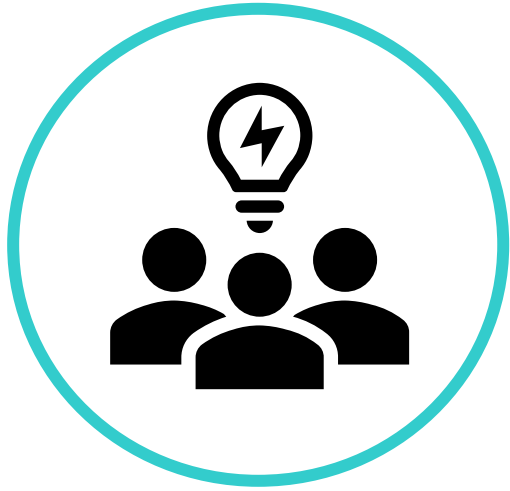
**\$3 Million**

**Municipality and  
Partners**

**\$750,000  
(25% of AI contribution)**

**FUNDING RECEIVED  
FROM MCGC  
=  
\$10 MILLION**

# ELIGIBLE PARTICIPANTS



**LEAD PARTNER**

**Alberta  
municipality**

**MANDATORY PARTNER**

**Alberta Small to Medium  
Sized Enterprise(SME)**

**OTHER PARTNER**

**Regional  
co-benefit or other**



# ELIGIBLE TECHNOLOGIES

- ✓ **Solar photovoltaics (PV)**
- ✓ **Fuel cells**
- ✓ **Wind**
- ✓ **Small-scale hydro**
- ✓ **Biomass**
- ✓ **Geo-thermal**
- ✓ **Any other eligible technology per SSGR**

*Multiple technologies can be combined*

# COMPETITION STAGES



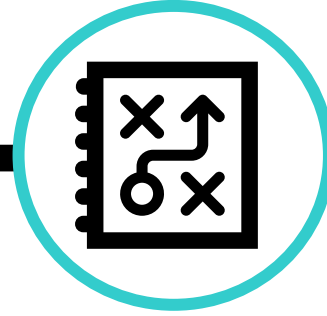
## STAGE 1

Interested municipalities submit Letter of Interest by May 10



## STAGE 2

**Networks submit Expression of Interest by August 9**



## STAGE 3

**Successful Networks submit Full Project Proposal by October 18**



## STAGE 4

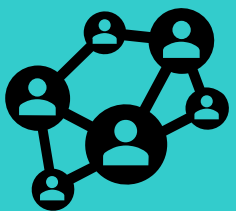
**Project Completion by March 31, 2022**

# STAGE 1 - LOI



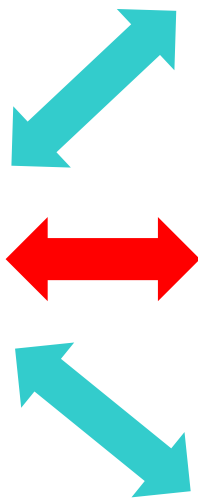
**STATUS: COMPLETE**

**39 municipalities passed the Letter of Interest stage  
and can proceed to Stage 2 as a Lead Applicant**



# STAGE 2: NETWORK FORMATION

**Lead Partner:  
Municipalities**



**Regional co-benefit  
partner**



**Alberta Small to Medium  
Sized Enterprises (SME)**

*Must include an SME in network*



**Other network/service  
providers**



# NETWORK PARTNER ROLES

## Mandatory Partner: Alberta Small to Medium Sized Enterprises

### Role

Have technological or innovative solutions, such as:

- Generation of low carbon renewable/sustainable electricity
- Development of control systems for such electrical energy storage systems, software
- Any other relevant project technological component

### Eligibility Requirements

- Less than 500 full time employees and \$50M annual gross revenue
- Legal entity and significant presence in Alberta
- No conflict of interest with Lead Applicant
- No outstanding balance to AI or its subsidiaries

# NETWORK PARTNER ROLES

## Potential Partner: Regional Co-Benefit Partner

### Role

Partners who could benefit from:

- Installation of a low carbon electricity facility
- Combining resources (e.g. \$ or in-kind) for mutual benefit

### Eligibility Requirements

- No conflict of interest with Lead Applicant
- No outstanding balance to AI or its subsidiaries

# NETWORK PARTNER ROLES

## Potential Partner: Other Network or Service Providers

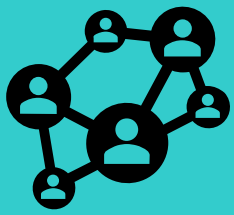
### Role

Partners who bring other resources to the project, such as:

- Business
- Expertise
- Financial/ In Kind
- Technical
- Other resources

### Eligibility Requirements

- Significant presence in Alberta
- Legal entity registered in Alberta
- No conflict of interest with Lead Applicant
- No outstanding balance to AI or its subsidiaries



# BUILD YOUR NETWORK

## STEP 1: Scope out a high level Project Plan

## STEP 2: Conduct a Needs Analysis

### **BUSINESS**

- Energy generation, distribution, or regulation

### **TECHNICAL**

- Small to Medium Sized Enterprises
- Post Secondary Institution

### **EXPERTISE**

- Consultants, environment, technical, or legal

### **FINANCIAL/ IN KIND**

- Regional partners, Private Sector, Non-Profits, or Associations





# BUILD YOUR NETWORK



**Partners  
established**



**Contact potential  
partners**



**Partners contact  
municipal leads**

## RESOURCES FOR MUNICIPALITIES

- ✓ **Michael Kerr, Alberta Innovates Network Program Lead**
- ✓ **Challenge Partner Registration Data Base**
- ✓ **Regional Innovation Networks**

# CHALLENGE PARTNER REGISTRATION DATA BASE

**Interested Network Partners  
submit a registration form**

**List of Network Partners  
emailed to municipalities**

**Alberta Innovates  
only checks if  
registered in  
Alberta**

**Municipalities should  
assess partners to  
meet their needs**

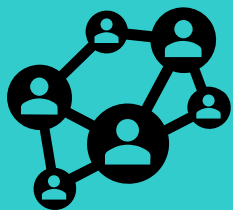
# REGIONAL INNOVATION NETWORKS

**Alberta Innovates Regional Innovation Networks (RINs) provide:**

- **Technology commercialization advice**
- **Mentorship**
- **Program support and equipment**

*Full list of RINs on [albertainnovates.ca](https://albertainnovates.ca)*





# BUILD YOUR NETWORK

## STEP 3: Begin discussions with identified partners

### ✓ Risk/ Reward partnership

- Network parties will invest in-kind resources
- EOI/FPP requirements are staged to reduce resource burden

### ✓ Assessment of Partners

- Municipalities should assess partners based on their needs before submitting the EOI
- After the EOI is submitted, AI and MCCAC will assess partners

### X Agreements

- A formal partnership agreement is not required yet

# NETWORK FORMATION FAQ'S

**Q: Is the project expected to have signed contracts with Network Partners prior to the EOI stage?**

**A: No. A formal partnership agreement is not required at this stage.**

**Q: Is there a minimum or maximum number of Network Partners that a project can have?**

**A: At least 3 Network Partners are required. There is no maximum limit.**



# TECHNICAL FAQ'S

**Q: Will Section 95 of the Electric Utilities Act prevent municipalities from owning all or part of their generating units?**

**A: An additional level of approval within government is required to own all or part of the community generation unit.**

**Q: How do we know if the technology we are proposing will be compliant with the Greenhouse Gas Emissions standards defining renewable or alternative generation?**

**A: The technology partner should provide this, or use the GHG data collection template from Alberta Innovates. Contact Christine Schuh at Alberta Innovates for guidance.**

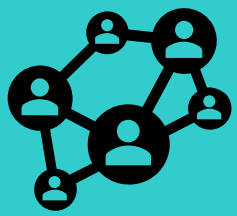
# CONNECT WITH MUNICIPALITIES

- ✓ Interested partners must submit the Network Partner Registration Form
- ✓ The form information will be shared with all the eligible municipalities
- ✓ Available online at [albertainnovates.ca](https://albertainnovates.ca) or [mccac.ca](https://mccac.ca)



Municipal Community Generation Challenge  
Network Partner Registration Form

Business Name:	Business Name
Business Address:	Business Address
Contact Name:	Contact Name
Contact Title:	Contact Title
Contact Phone:	Contact Phone
Contact Email:	Contact Email
Website:	Website
Year Company was established:	Year Company was established
Number of Full Time Employees:	Number of Full Time Employees
Partner Type:	Please choose from the following options:
Provide a brief description of your organization:	A Brief Description of Your Organization
Describe the services your company offers:	The Services Your Company Offers
If applicable, describe the technology your company provides:	Description of the technology your company provides (If Applicable)
What area(s) of the province are you interested in working in?	Area(s) of the Province that you interested in working in
What do you feel you would contribute as a partner in this Challenge?	Please enter your answer here
Other Information:	Other Information

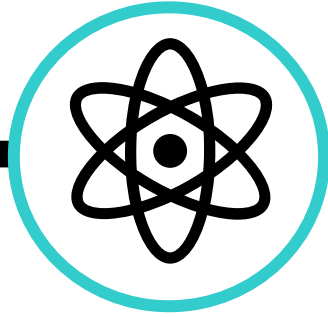


# STAGE 2B: EOI SUBMISSION



## STEP 1

**Read the  
Program Guide**



## STEP 2

**Register for  
Expression of  
Interest  
webinar on  
June 26**



## STEP 3

**Form your  
network (Seek  
help from AI or  
MCCAC if  
required)**



## STEP 4

**Submit  
Expression of  
Interest by  
August 9**

# Questions?

[albertainnovates.ca](https://albertainnovates.ca)

[mccac.ca](https://mccac.ca)

# DEADLINES



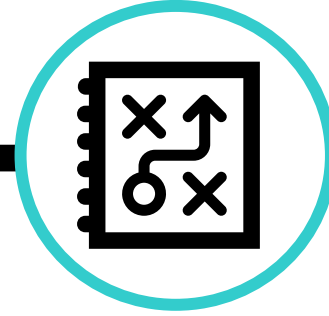
## STAGE 1

Municipalities  
Submitted  
Letters of  
Interest



## STAGE 2

**Expression of  
Interest Due by  
August 9**



## STAGE 3

**Full Project  
Proposal Due  
by October 18**



## STAGE 4

**Project  
Completion Due  
by March 31, 2022**

*Webinars will be held at each stage*



# CONTACTS

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