

LowCarbonCommunities

2021-22



Support for Community-Led GHG Reduction Projects

STAKEHOLDER PRESENTATION

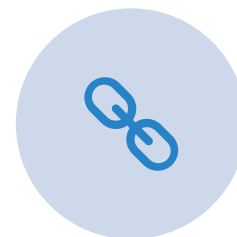
Agenda



**LCC 2021-22
OVERVIEW**



EXAMPLES



**CONTACT &
LINKS**



QUESTIONS

Low Carbon Communities

Supporting NS Community Initiatives and Solutions to reduce GHG emissions in Building Efficiency, Clean Electricity and Clean Transportation



Community-led GHG initiatives



Learning by doing and knowledge transfer



Social and equitable investments across NS

Stepping Stone



LCC



- Project Implementation,
- Leadership buy in,
- Funding,
- Support
- Expanded Reach

Who can apply?

- ▶ **Municipalities**
- ▶ **First Nations Bands**
- ▶ **Community groups and Non-profit organizations**
- ▶ **Post-secondary institutions**
- ▶ **Businesses**

Projects must benefit communities in Nova Scotia.

Program Categories

Building Efficiency

Think: Energy efficiency, energy audits, building design, benchmarking
(up to \$75,000)

Clean Electricity

Think: Feasibility plans, energy financing, project implementation plans
(up to \$75,000)

Clean Transportation

Think: Zero Emission Vehicle strategies, infrastructure designs/planning **(up to \$75,000)**

Education

Think: Staff training, public engagement, energy education
(up to \$50,000)

All categories seeking innovative, 'learning by doing' project ideas



2021 LCC - key information

Complete by Dec 2022

Funding Disbursement

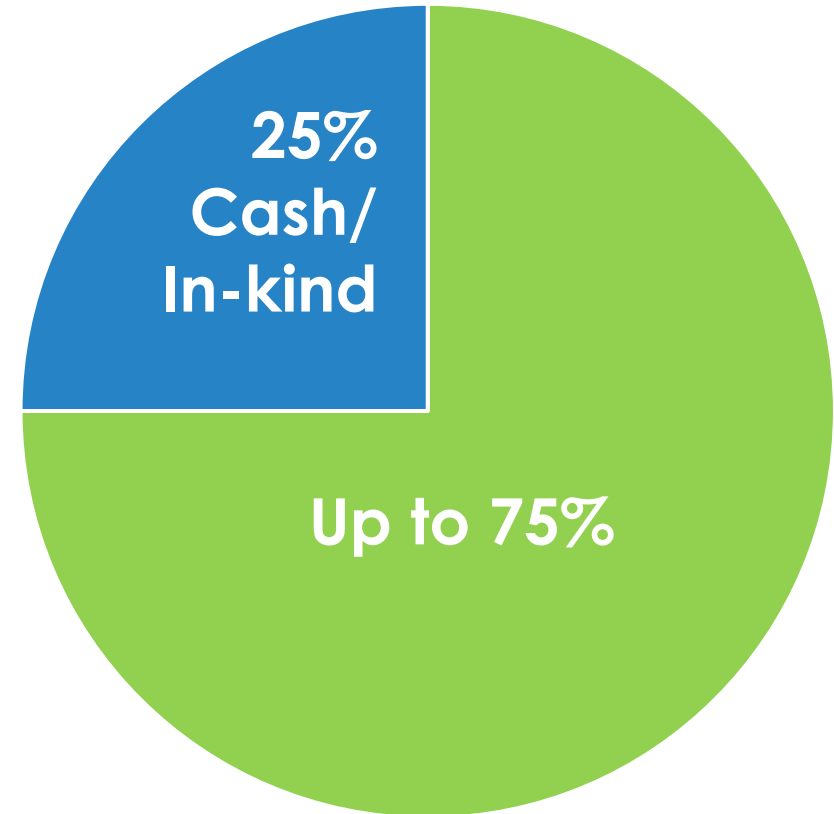
- **90%** upon approval
- **10%** upon receipt of final report

Connect2 now at NS Dept. Public Works

- Active Transportation Infrastructure, Design, Shared Mobility, Capacity Building and Community Engagement

Connect2@novascotia.ca

www.novascotia.ca/connect2/



How to Apply?



<https://novascotia.ca/low-carbon-communities/>

Contact staff year-round with Questions, Ideas & Feedback

LCC Previously Awarded Project Examples



Public Housing Retrofits

Clean Foundation

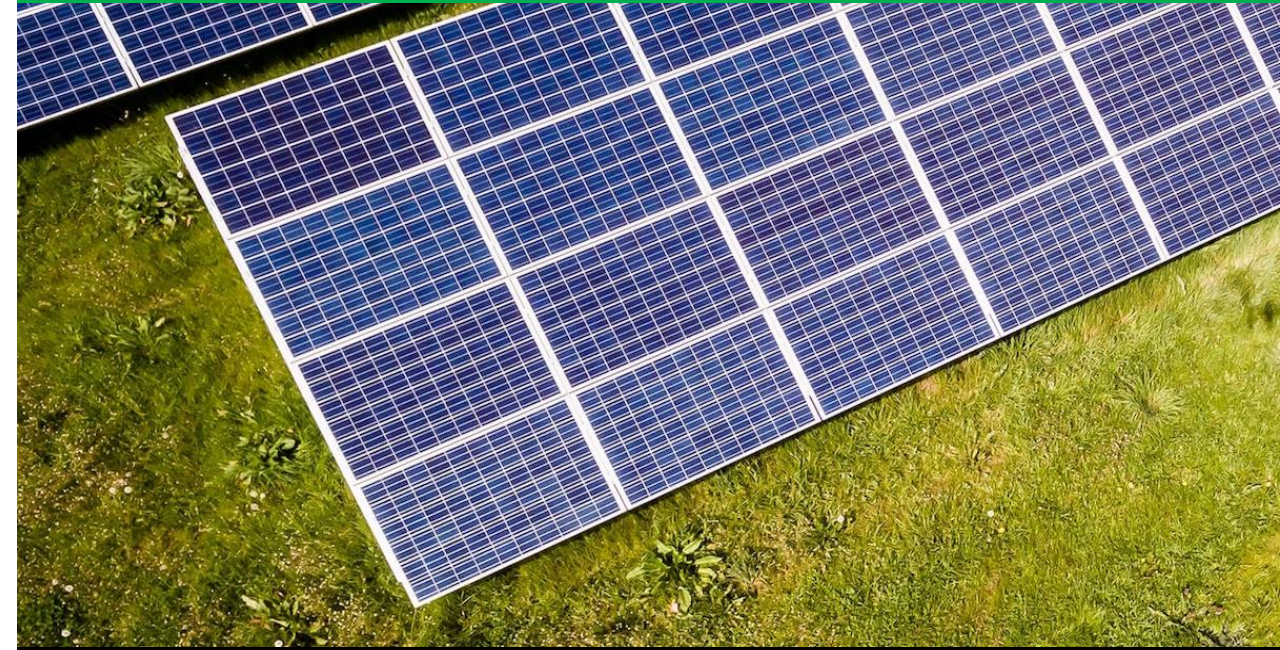
LCC: \$75,000

Total Cost: \$118,000

Key Deliverables: Energy assessments for 145 public-housing units, including cost estimates, energy savings, and GHG reduction potential of proposed retrofits.

Impacts:

- Energy assessments and cost estimates prepared project for larger infrastructure funding
- Currently pursuing infrastructure funding for project implementation:
 - Retrofit **200+** affordable-housing units
 - Significant GHG reductions and bill savings



Community Solar Feasibility and Design

Alternative Resource Energy Authority (AREA)

LCC \$75,000

Total Cost: \$165,000

Key Deliverables: Feasibility of installing community-scale solar gardens in Mahone Bay, Antigonish and Berwick to serve their communities.

Impacts:

- LCC grant for solar design prepared the towns in applying for larger infrastructure funding for implementation of the gardens.
- In July 2021, the project was granted \$16.4M (\$8.9M fed, \$7.5M prov) in Investing in Canada Infrastructure Program funding for project implementation.
 - **8.8 MW** total of community-scale solar
 - Gardens to power **~1,000 homes/year**



Municipal Fleet Conversion Study

Clean Foundation

LCC: \$32,400

Total Cost: \$43,200

Key Deliverables: Electric Fleet Conversion Study for Municipality of the District of Lunenburg. Final report includes survey results, fleet assessment, recommendations on fleet right sizing and conversion.

Impacts:

- Demonstration of how to do a fleet analysis and make recommendations to help municipalities and small businesses understand the benefits of electrifying their fleets.
- Municipalities and communities can reach out to the clean foundation to help them do an electric fleet conversion study.



Interactive Demo Electric Vehicle (IDEV)

All EV Canada Inc.

LCC \$30,000

Total Cost: \$125,000

Key Deliverables:

NS-wide IDEV training filled an education gap in NS for first responders, mechanical and electrical technicians, and students.

Impacts:

- The Virtual and Video training was accessible for partners (NSCC, Dalhousie, Clean Foundation) across the province.
- Nova Scotians Reached:
 - 1700 - students
 - 400 - shows and conferences
 - 100 - presentations at institutions
 - 800 – training and walk-ins
 - Continues to be a tool

Resources and Contacts

<https://novascotia.ca/low-carbon-communities/>

- [LCC program description](#)
- [LCC assessment criteria](#)
- [LCC sample application form \(for reference\)](#)
- [LCC 2020-21 grant recipients](#)
- [Examples of potential funding and partners](#)

Program Staff:

LowCarbonCommunities@Novascotia.ca

Gabrielle Riley Gallagher – 902-219-0264

Salima Medouar – 902-717-7026

& Technical Leads

Thank You!