



# DRIVING TRANSFORMATION

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Co-Convened by

Stanford

Environmental and Energy  
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# Clean Energy and Equity Initiatives

November 15th, 2023

Rob Harris | Vice President, Clean Foundation

Convened by:



# About Clean

Clean helps communities in which we work make real progress towards a cleaner future by taking on climate change challenges. We bring together specialized teams to work on complex problems, delivering clean projects and programming for communities.



Education & Engagement



Transportation



Energy Efficiency and Renewables



Clean Coast



Workforce Development



Social Equity



Policy & Innovation



# Energy Issues

## Aging Housing Stock

- Almost all our existing buildings in Nova Scotia require deep energy retrofits due to a lack of insulation, ventilation, or inefficient home heating equipment.

## High Energy Costs

- Residential electricity rate of ~18 cents per kwh
- Over \$1600 to fill a residential oil tank

## Dependence on Coal and Home Heating Oil

- Over 200,000 homes in Nova Scotia heat with home heating oil.
- Nova Scotia has a long tradition of electricity production through coal fired generation facilities.

# Social Issues

## Poverty rate

- 30% child poverty rate on my Island; this jumps to over 70% in nearby Indigenous communities.

## Historic Inequities

- Generational trauma of Indigenous population
- 400+ year history of systemic marginalization of African Nova Scotians.

## Growing social consciousness

- Growing acknowledgement of systemic issues for women, people of colour, 2SLGBTQ+, persons with disabilities, and other equity seeking groups in Atlantic Canada.



# Programmatic Approach

## Efficiency Nova Scotia

- HomeWarming
- Home Energy Assessment
- Mi'kmaw Home Energy Efficiency Program
- Multifamily Affordable Housing Program
- Residential Direct Install
- Solar Homes
- New Home Construction Program
- Small Business Program

## Clean Foundation

- Housing Nova Scotia deep energy retrofits
- Clean Energy Financing
- Clean Energy and Equity Network
- Community energy planning
- Renewable Energy Feasibility Studies
- Energy Efficiency Professionals Training Programs

## Provincial & Federal

- Heating assistance rebate
- Canada Greener Homes
- CMHC 40k 0% interest loan program
- Sustainable Communities Challenge
- Low Carbon Communities
- Emergency Repair and Replacement Programs

# Gaps

- Lack of community perspectives in program design
- Lack of co-benefits of program activity remaining in underserved and underrepresented communities
- Focus on cost effective energy savings diminishes ability to address social issues and non-energy saving upgrades







# Clean Energy & Equity Initiatives

- Energy and Equity Network
- Energy Advisor Training
- Custom Employment Training Support
- Barrier Relief Funding
- Wage Subsidy Programs