

WORKSHOP 4: HOW DO LOW CARBON PROJECTS GO FROM START TO COMPLETION?

Take the paper in front of you and write down what sparked your interest about this topic?

Make sure you're comfortable sharing it with the room!

Await your next instructions.....

KEY TRAITS

- **Partnerships**
- **Risk management**
- **Flexibility**
- **Look back, think forward**
- **Clear objectives/goals**
- **KPIs (Key performance indicators)**



Low Carbon Leadership Conference

June 25, 2024

Alternative Resource Energy Authority

Municipal corporation (2014) owned by Antigonish, Mahone Bay and Berwick

- Councils and Chief Administrative Officers realized working collaboratively in good faith creates greater opportunities than working individually
- Riverport also a key customer
- Each town equal Board vote weight but unequal financing

Built Ellershouse Wind Farm

- 23.5MW, 10 Enercon turbines, \$51 million cost

Wind farm provides municipal utility customers

- price predictability
- carbon risk mitigation on 45% of Town electricity

Wind farm provides municipalities

- new, long-term, stable revenue streams
- economic development
- citizen participation in cleantech



Community Solar Gardens in Antigonish, Mahone Bay & Berwick



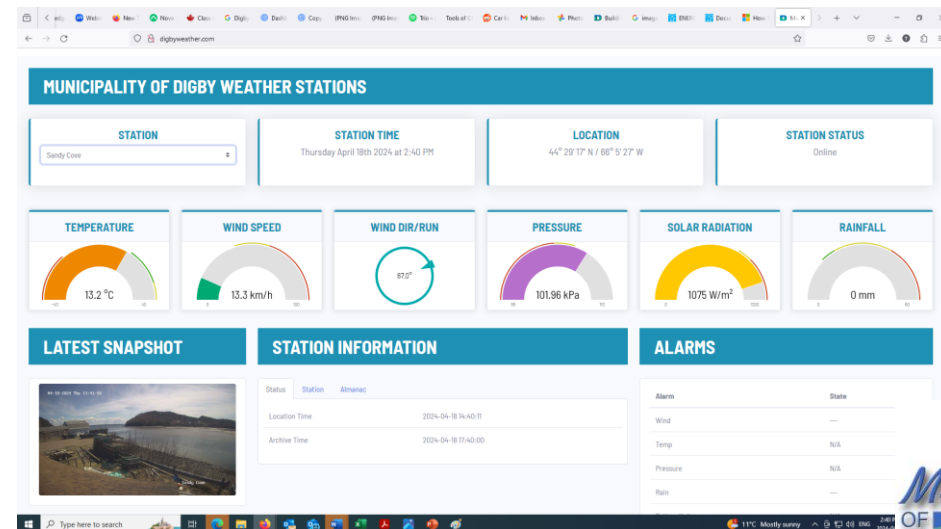
**Key Takeaway:
Project roles distributed across
multiple partners**





Low Carbon Leadership

- Introduction
- The importance of Municipal Governments in addressing climate change
- The Municipality of the District of Digby's Climate Action Plan
- The role of Community Engagement
- The goal of decarbonization



Buildings

The Built Environment contributes the most GHG emissions in the Municipal Building.



Ground source geothermal

Corporate Climate Action Plan

- Deep Energy Retrofits
- Renewable Energy Generation
- Transportation Department Building Renovation or Relocation Plan

Community Climate Action Plan

- Residential Property Assessed Clean Energy (PACE) Program
- Lockeheed Martin District Energy System Study



Clean Energy
Financing

Electrifying



Corporate Climate Action Plan

- Distribution grid study for EV
- Policy Development (Travel Guidelines, Vehicle Sizing Procurement and Anti Idling Policy)

Community Climate Action Plan

- Anti Idling Bylaw
- Active Transportation
- King's Public Transit
- Car Sharing
- Electric School Bus Fleet (discussion)



Other Headings in our Climate Action Plans

Corporate Climate Action Plan

- Streetlight and Traffic Signal
- Water & Wastewater
- Organizational & Institutional Policy Change
- Asset Management



Community Climate Action Plan

- Policy, Planning and Procedures
- Adaptation and Resilience



ESAM

Environmental Services
Association Maritimes

Thank you



Terry Thibodeau

Coordinator

Renewable Energy and Climate Change

Municipality of the District of Digby

12548 Highway 217, P.O. Box 429

Seabrook, Digby County, NS.

BOV 1A0

tthibodeau@digbymun.ca

T 245-4767

C 308-9222

F 245-5748

Trust is the highest form of human motivation. It brings out the very best in people



Municipality
OF **Digby**



@TerryTMoD



REGIONAL CORPORATE AND
COMMUNITY GHG INVENTORY
WEST HANTS REGIONAL MUNICIPALITY,
NOVA SCOTIA

OCTOBER 2020

WEST HANTS REGIONAL MUNICIPALITY
76 MORISON DRIVE
WINDSOR, NS
CANADA

THE MUNICIPALITY OF WEST HANTS

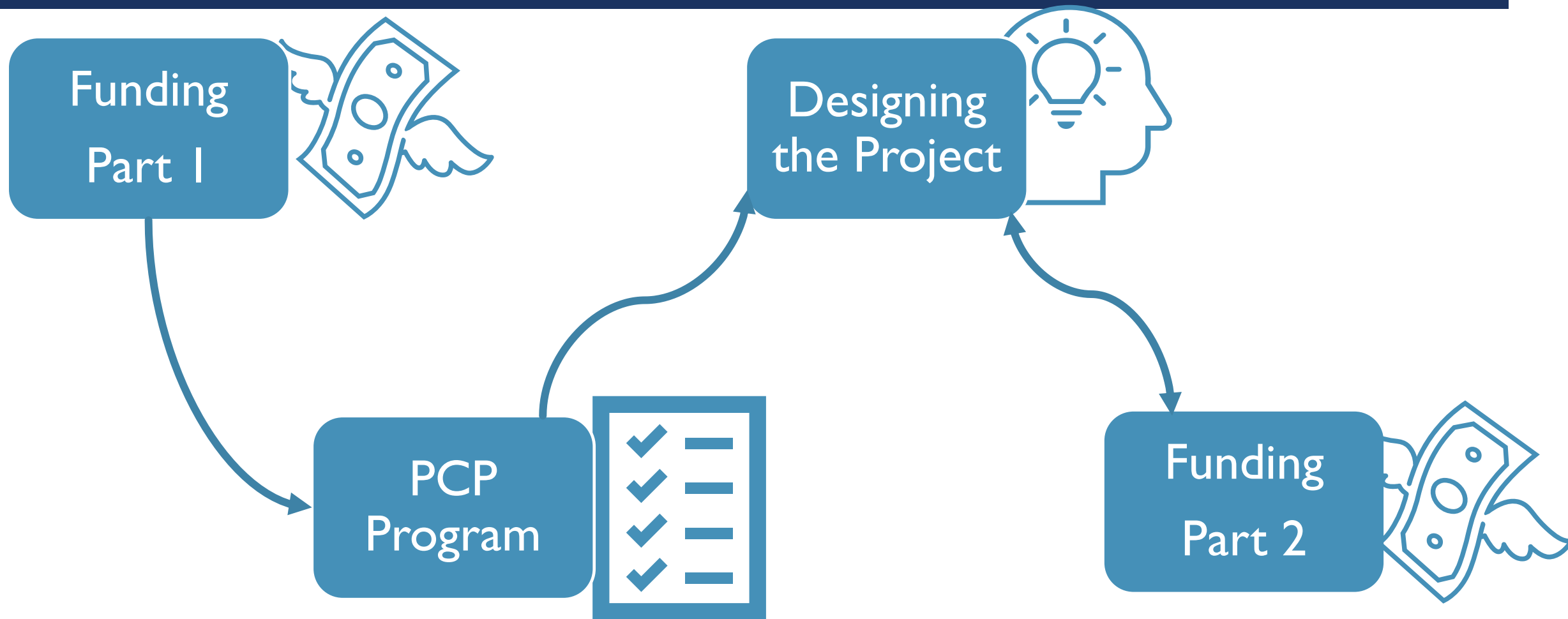
BACKGROUND STUDY
ON ACTIONS TO REDUCE GHG EMISSIONS
IN WEST HANTS

FEBRUARY 24, 2020



FINAL REPORT

START



FUTURE PROOF

- **Ensured consultants provided their work in Excel**
- **Created manuals for how each step was done and where to find the data**
- **GHG Forecasting Model**



DURING THE PROJECT/COMPLETION

Consolidation

Windsor



West Hants

Results:

- **Two-step Inventory**
- **Background Report on Actions**
- **Set Targets**



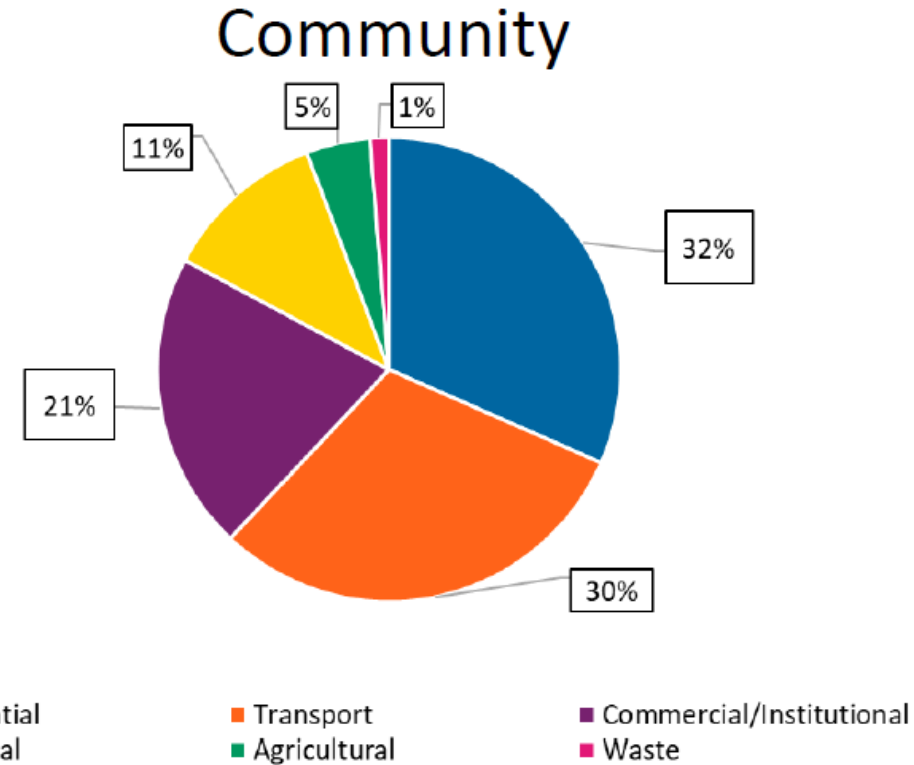
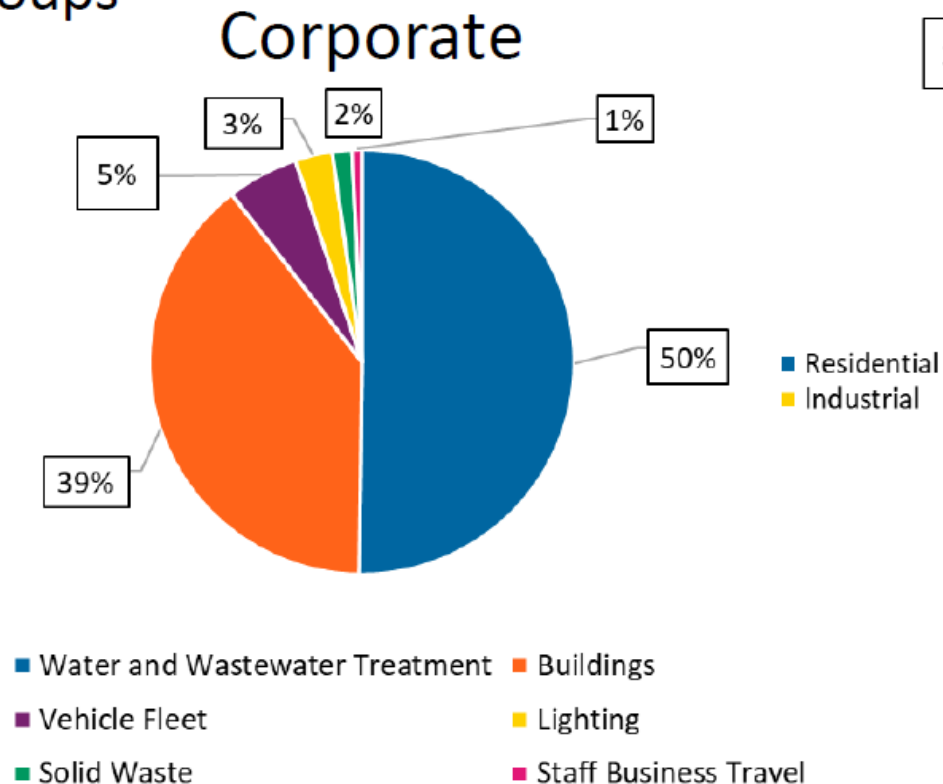
Low Carbon Leadership Conference

something inspiring awaits



WHRM Emissions

- Know sources of emissions
- Make data clear and concise
 - Council
 - Stakeholder groups
 - General public



Corporate Projects

- Projects with clear financial advantages:
 - Fleet transition
 - LED lighting
- Projects that enable further action:
 - Sustainable procurement
 - Facility audits
 - Solar Feasibility Study and construction



Community Projects

- PACE Program – Switch West Hants
- Encouraging EV adoption
- Transportation feasibility study

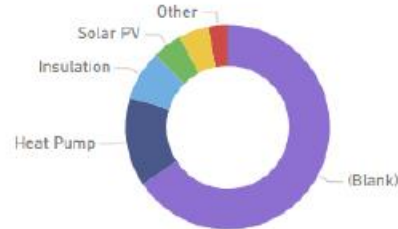
Program Overview

| | | |
|--------------------|------------------|-----------------|
| Total Participants | Total Agreements | Total Completed |
| 64 | 15 | 9 |
| Total Quotes | Total Committed | Total Invoices |
| \$293K | \$248K | \$116K |

Project Status



Job Type





John Ogilvie
Climate Action Coordinator
West Hants Regional Municipality
76 Morison Drive, Windsor, NS, B0N 2T0
902-798-8391 ext. 147
jogilvie@westhants.ca

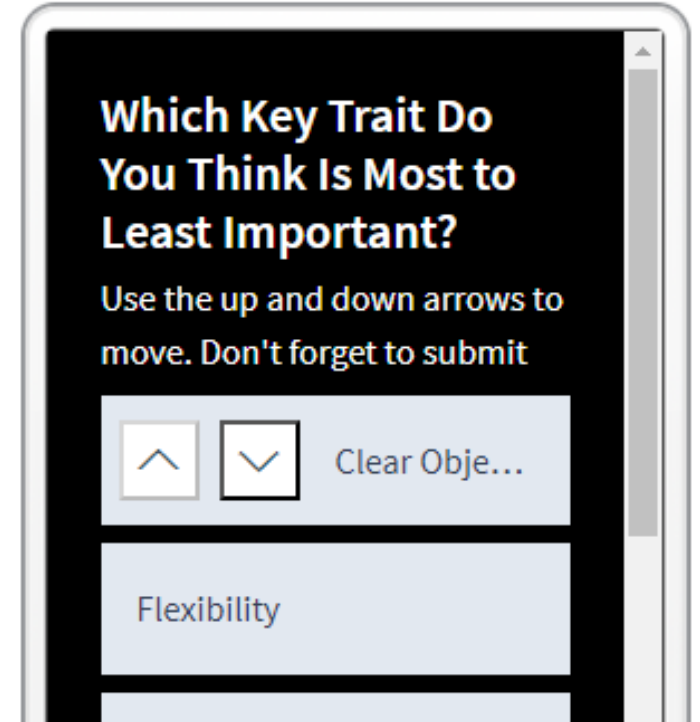


ACTIVITY TIME!

- Why you think that key trait is important to get a project from initiation to completion?
- Provide examples of how you would use that trait in a project, could be one you're actively working on or an imaginary project!

POLL EVERYWHERE:
[POLLEV.COM/SAIRASMITH852](https://pollev.com/sairasmith852)

WHICH KEY TRAIT DO YOU
THINK IS MOST TO LEAST
IMPORTANT?



Which Key Trait Do You Think Is Most to Least Important?

Partnerships

Risk Management

Flexibility

Look Back, Think Forward

Clear Objectives/Goals

KPIs (Key Performance Indicators)

SEE MORE 