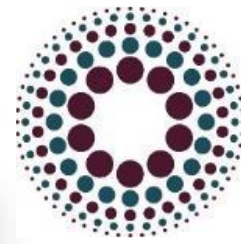


Terry Thibodeau, B.Comm., MBA
Co-Ordinator Renewable Energy
& Climate Change



NOVA SCOTIA
FEDERATION OF
MUNICIPALITIES

**Municipal Climate Change
Adaptation Frontrunners
April 30-May 2 2025**

Municipality OF Digby



AGENDA

- 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



WELCOME TO DIGBY



- **Vision Statement**

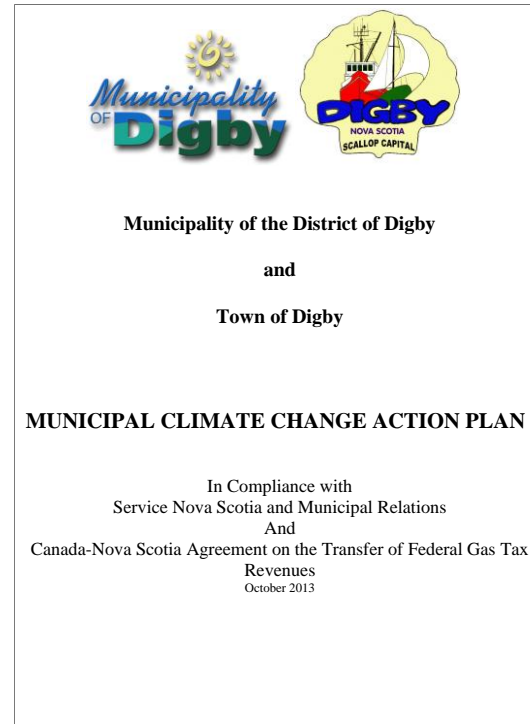
- Preserving our past – Developing our future

- **Mission Statement**

- To provide, promote, or facilitate municipal services that meet the community needs while preserving, supporting and enhancing quality of life for all.

The Importance of Municipal Governments in Addressing Climate Change

- Municipalities and Municipal Governments are at the forefront of climate change. Lead by MCCAP & ICSP exercise.
- Municipalities directly and indirectly account for nearly half of Greenhouse Gas emissions in Canada.
- Currently more than 4 billion people – or more than half of the world live in urban areas.
- This number is projected to increase in the future, further underscoring the importance of municipalities in addressing climate change.



From Great Ideas to Great Communities

A Guide for Implementing
Integrated Community Sustainability
Plans (ICSPs) in Nova Scotia



Service Nova Scotia
and Municipal Relations

Dealing with waste



- Why is waste the smallest contributing sector to the Municipality's Emissions and should we bother to address waste if it only accounts for roughly 2% of our emissions?
- YES!!

• Corporate Climate Action Plan

- Establish Waste Guidelines
- Develop and Implement Sustainability Policies (Single Use Item & Construction Waste)
- Corporate Waste Audit
- Waste Diversion Strategy and Target

• Community Climate Action Plan

- Single use items
- Industrial, Commercial & Institutional Waste
- Extended Producer Responsibility
- Circular Economy
- Low Emission Waste Collection
- Education & Community Engagement

MODD
response and
implementation
projects
addressing
MCCAP
recommendations



Buildings

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



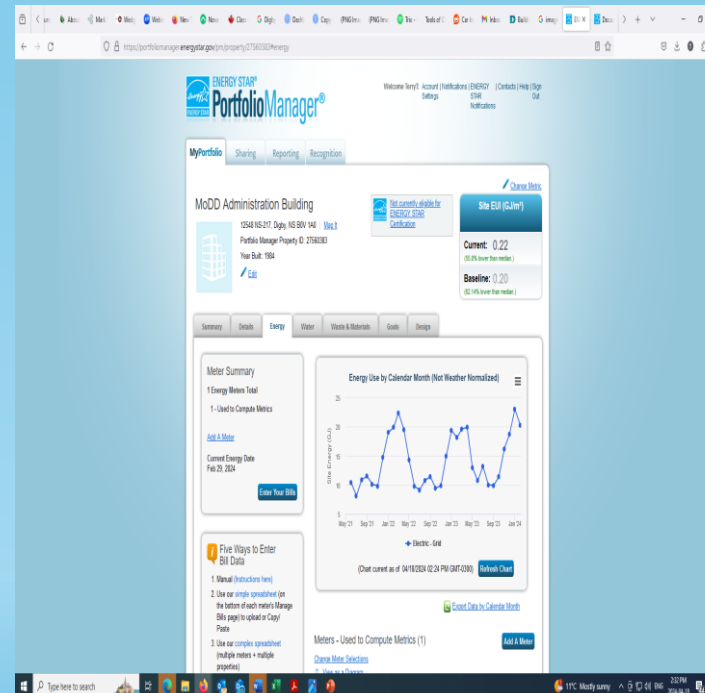
Ground source geothermal

Corporate Climate Action Plan

Deep Energy Retrofits

Renewable Energy Generation

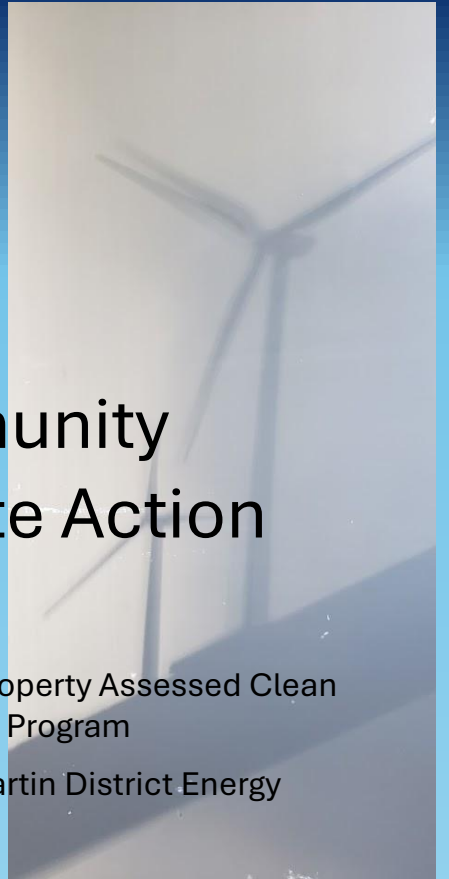
Transportation Department Building Renovation or Relocation Plan



Community Climate Action Plan

Residential Property Assessed Clean Energy (PACE) Program

Lockheed Martin District Energy System Study



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' Public Transit
- Car Sharing
- Electric School Bus Fleet (discussion)

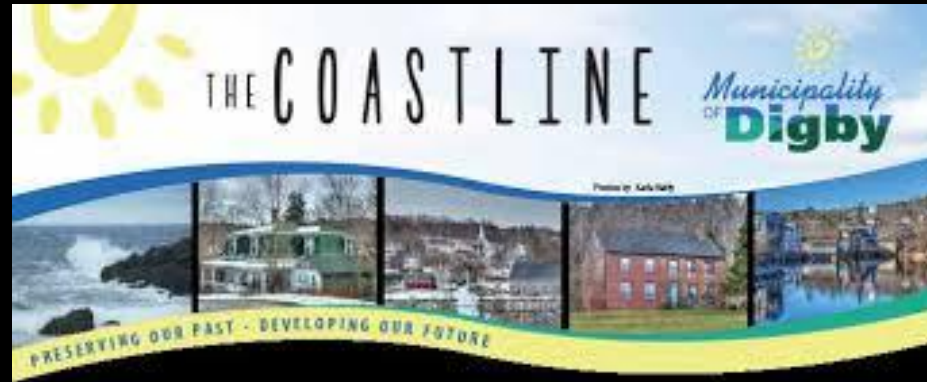


Other Headings in our Climate Action Plans

- 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



Community Engagement



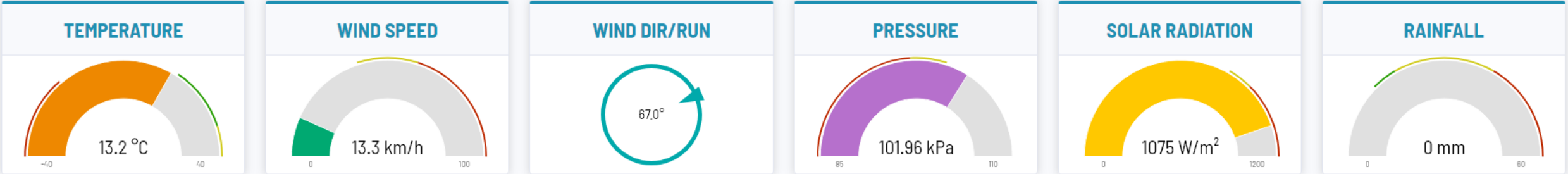
MUNICIPALITY OF DIGBY WEATHER STATIONS

STATION
Sandy Cove

STATION TIME
Thursday April 18th 2024 at 2:40 PM

LOCATION
44° 29' 17" N / 66° 5' 27" W

STATION STATUS
Online



LATEST SNAPSHOT



STATION INFORMATION

Status	Station	Almanac
Location Time	2024-04-18 14:40:11	
Archive Time	2024-04-18 17:40:00	

ALARMS

Alarm	State
Wind	---
Temp	N/A
Pressure	N/A
Rain	---

Flood Mapping



**3D WAVE
DESIGN**
Mapping Solutions



Tech for Nature



Building The Municipality of Digby (Finished)

Start

- <https://3dwavedesign.com/MODD/version-1-0-5/>

Water Level Sliders (Highest Astronomical Tide: 9.38m)

Tide	2 m	<input type="range"/>
Storm Surge / SLR	0 m	<input type="range"/>
River	0 m	<input type="range"/>

Version 1.0.5c
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Thank you



Terry Thibodeau

Coordinator

Renewable Energy and Climate Change

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



Municipality
OF **Digby**



@TerryTMoD