

# CBRM Climate Action Plan Update Workshop

ENERGY AND MINES MINISTER DEREK MOMBOURQUETTE

JANUARY 20, 2020



## Climate Change Results

- Nova Scotia is a national leader in climate change.
- Renewable energy has tripled in the past 10 years and will double again next year.
- We hit the federal 2030 target 13 years early.
- We are investing \$120 million dollars over the next 3 years in programs.



## Energy Efficiency

- 16,000 low income families have had free energy efficiency upgrades. 120,000 homes installed heat pumps.
- Department of Energy & Mines is investing \$25 million that will upgrade 2400 Mi'kmaq homes and 11,500 public housing units.
- 1400 employees working for 200 companies.

# HomeWarming Program:

(free efficiency upgrades for low-income homes)

Year	CBRM	Richmond	Victoria	Inverness	Total
2013	377	49	17	47	490
2014	357	90	26	36	509
2015	298	74	20	60	451
2016	238	43	25	42	348
2017	212	35	14	35	296
2018	306	33	14	42	394
2019	314	30	16	42	401
<b>Total</b>	<b>2102</b>	<b>354</b>	<b>131</b>	<b>304</b>	<b>2,890</b>

## Provincially funded energy efficiency projects: (includes HomeWarming and other discount programs)

- 1,738 Cape Breton homes since 2016
- 589 Cape Breton homes in 2019
- Average home saves about \$900 a year on energy bills



**Solar Electricity**

## **Solar Rebate Program**

More than 500 families have added solar electricity to their homes under our SolarHomes rebate.

2018: 13 installers  
Today: 57 installers

**Currently ranked  
best province in  
Canada**

# SolarHomes Program:

(up to \$6,000 rebate on the cost of solar panels)

- Over the past 18 months ...
- 160 applications from Cape Breton.
- 65 Cape Breton homeowners have completed solar installations.
- Cape Breton homes have saved more than \$535,000 on solar electricity installations.
- Cape Breton homes are saving \$120,000 a year by using solar electricity.

# Solar Electricity for Community Buildings Program:

(enables community buildings to sell electricity)

- Cape Breton University, 150 kW (3 x 50 kW)
- Cape Breton Christian Education and Service Association, 75 kW
- Membertou First Nation, 72 kW
- Potlotek First Nation, 72 kW
- Eskasoni First Nation, 72 kW
- Wagmatcook First Nation, 72 kW
- NSCC Strait Area Campus, 75kW

# Low Carbon Communities Program:

(projects that reduce emissions – planning, demo

- CBRM – \$42,000 for a deep energy retrofit study, led by EAC
- CBRM – \$15,000 for energy planning for churches led by Verschuren Centre
- Cape Breton - \$75,000 for 6 Discover Solar sessions, delivered by Solar Nova Scotia
- County of Inverness - \$60,000 for a community energy plan
- **CBRM total:** \$57,000+ for three projects over two years
- **Cape Breton total** – \$192,000 for four projects over two years



Tidal Energy



## Wind Energy

- **20% of our energy is generated by wind turbines.**
- **Several exciting projects ahead.**
  1. Port Hawkesbury Paper working with the Canada infrastructure bank to build 122 megawatt wind farm.
  2. Government of Canada federally own facilities - renewable energy by 2022.



Half of emissions come from transportation sector.

We have invested more than \$5.4 million in 140km of projects.

**Sustainable Transportation**

# Connect 2:

(funds community trails for walking, cycling, etc.)

- CBRM – \$345,000 for the Grand Lake Road multi use path (over multiple years)
- CBRM – \$150,000 for a multi-use path
- CBRM – \$65,000 for a pedestrian tunnel and bikeway feasibility study
- CBRM – \$32,000 for cycling infrastructure upgrades
- CBRM – \$15,000 for a bike route project
  
- Sydney: \$4,000 for a mobility study for students and staff of CBU and NSCC
- Cape Breton: \$3,000 for planning a walkable communities workshop
- Port Hawkesbury: \$75,000 for the Destination Reeves Street project
- Port Hawkesbury: \$20,000 for active transportation development
- Victoria County: \$55,000 for an active transportation plan and infrastructure
- Petit de Grat: \$50,000 for active transportation lanes
- Petit de Gras: \$1,700 for the Old Boudreauville Road Signage Project
- Town of Mulgrave: \$37,000 for the development of an active transportation corridor
- Inverness County: \$25,000 for an active transportation plan
- Meat Cove: \$5,000 for community trails and boardwalks
  
- **CBRM total:** \$611,000 for six projects over seven years
- **Cape Breton total:** \$882,000 for 15 projects over seven years

# CBRM Opportunities??

Thank you