

**HALIFAX**

# **Solar City Program Update 2021**

Environment and Sustainability Standing Committee

May 05, 2022

# Program Basics

- Complete financing to install:
  - Solar hot water
  - Solar hot air
  - Solar electric (photovoltaic)
- Eligible property owners include:
  - Residential
  - Not for profits
  - Places of Worship
  - Co-ops
  - Charities



# Financing Basics

- Property Assessed Clean Energy (PACE)
- Fixed at 4.75% for 10 years
- Property must be in good financial standing with the municipality
- Flexible payment terms
- Financing placed on property, **not** property owner
- Rebates available

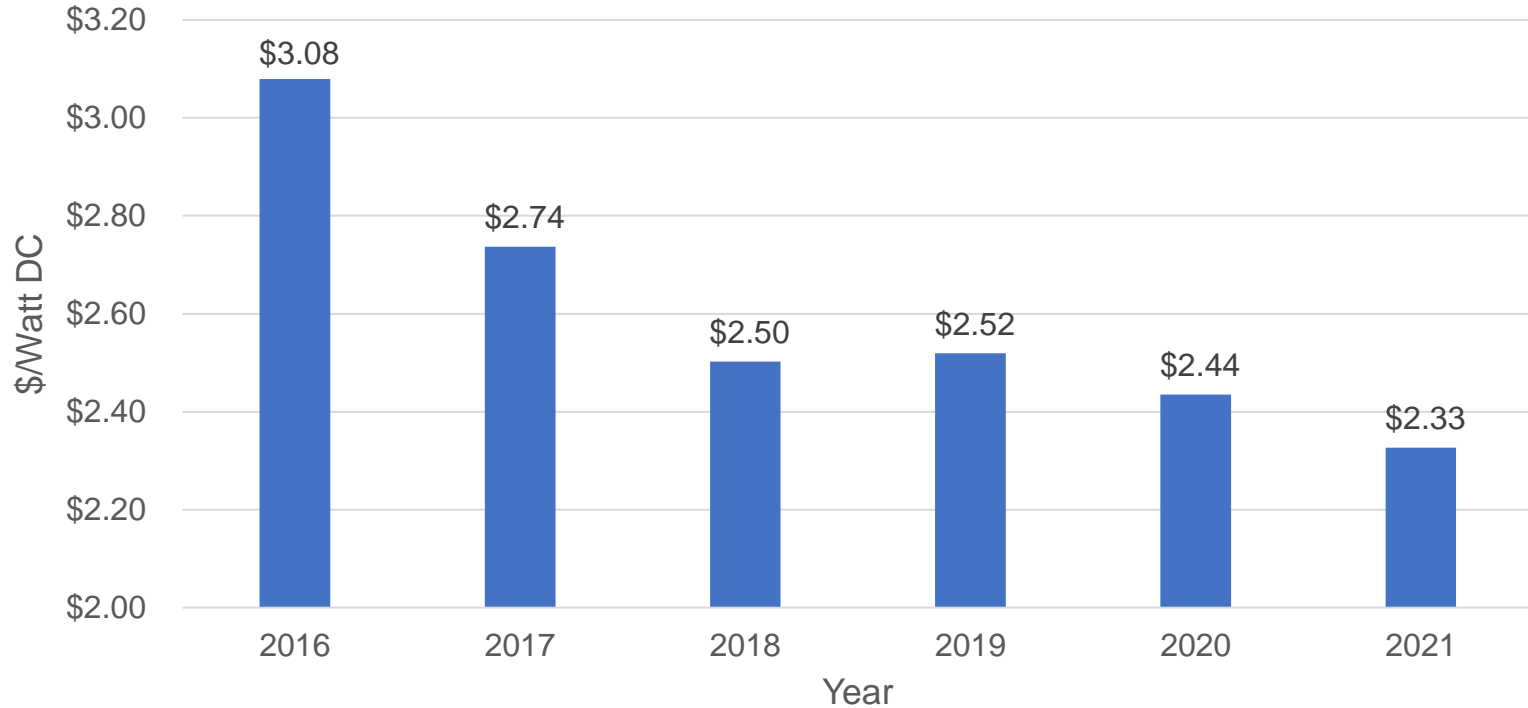


# Rebate Programs

- SolarHome Program
  - Provincial
  - \$3,000 max
- Greener Homes Program
  - Federal
  - \$5,000 max
- Home Energy Assessment needed



# Solar Electric Pricing Trend



# Enhanced Net Metering

- 1:1 credit ratio for excess generation
- Credit rate increases as electricity rates increase
- 25-year agreement with Nova Scotia Power
- Proposed \$8/kW System Access Charge
- Supportive Amendments to the Electricity Act



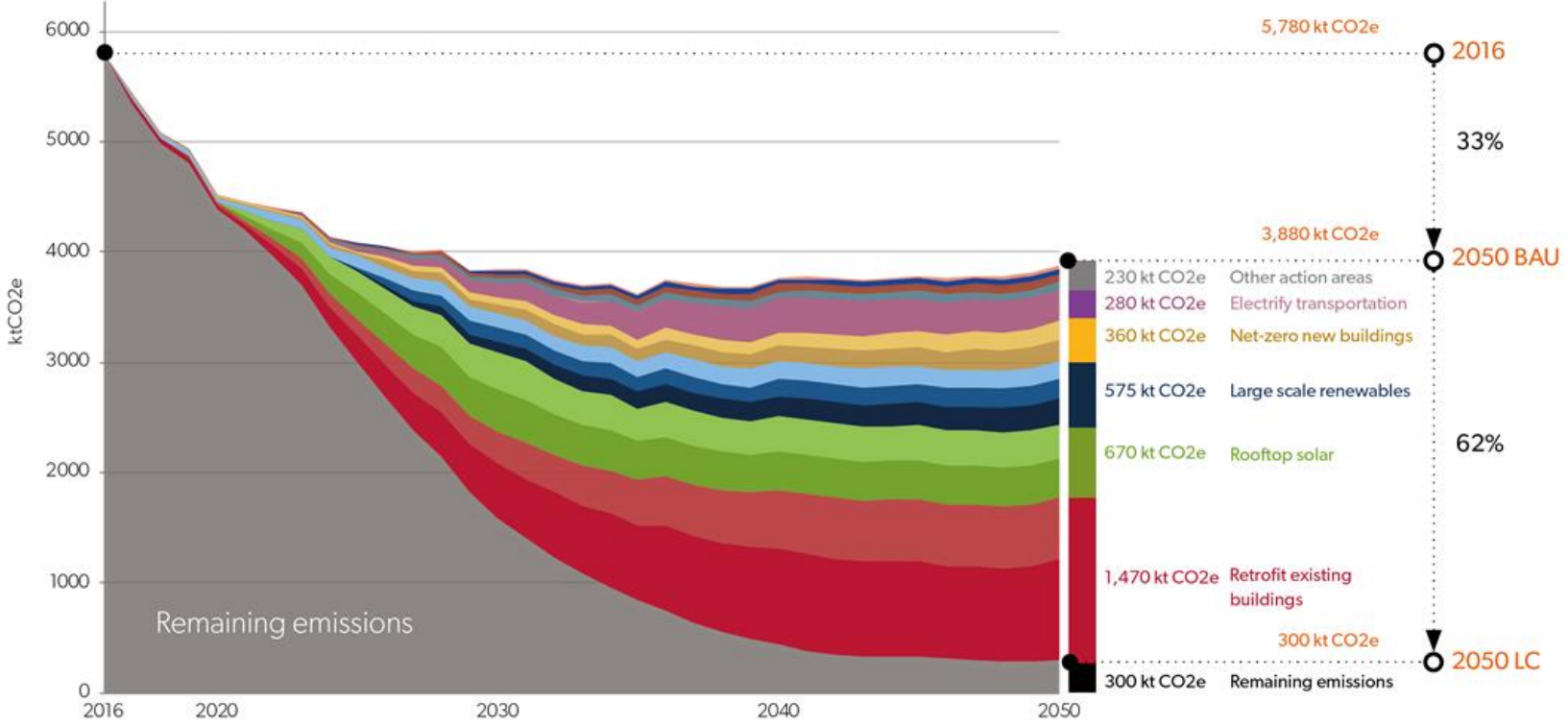
# Key Performance Indicators

- 700 executed agreements
- Value of approved systems
  - \$18 million
- GHG reduction annually
  - 5,400 tonnes of eCO<sub>2</sub>
- Total capacity installed
  - 6.5 MW





# Deep Energy Retrofits





# Deep Energy Retrofit Pilot

- One of seven core areas of HalifACT
- Achieve 50% reduction in energy demand for existing buildings
- These measures can include:
  - envelope upgrades
  - mechanical upgrades
  - onsite renewables and resiliency measures
- Collaborate with existing programs



# The Navigator

- \$3.5M pilot approved by Halifax Regional Council
- Partnership with Efficiency Nova Scotia
- Navigator – build upon HomeWarming
- Pilot on single archetype (over 12,000)
  - 50% achievable without solar
- Existing HEA Database
- Launch this Summer



# Third Party Financing Study

- Funding from FCM
- Consider full range of financing options and additional support needed to expand deep building retrofits and enable broad participation
- Engage with 15 external stakeholders
- Identify up to five financing models
- Recommend models along with estimated impact, risk mitigation strategy and recommended next steps







# Thank You

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