

**Renewable Energy  
Systems Canada Inc.**



## **Company & Nova Scotia Project Portfolio Presentation**

**Folly Lake/Wentworth Valley Environmental  
Preservation Society**

**February 18, 2022**

## Project Team Introduction



**Peter Clibbon**

**VP Development, RES Canada**

**Julie Turgeon**

**Development Manager, RES Canada**

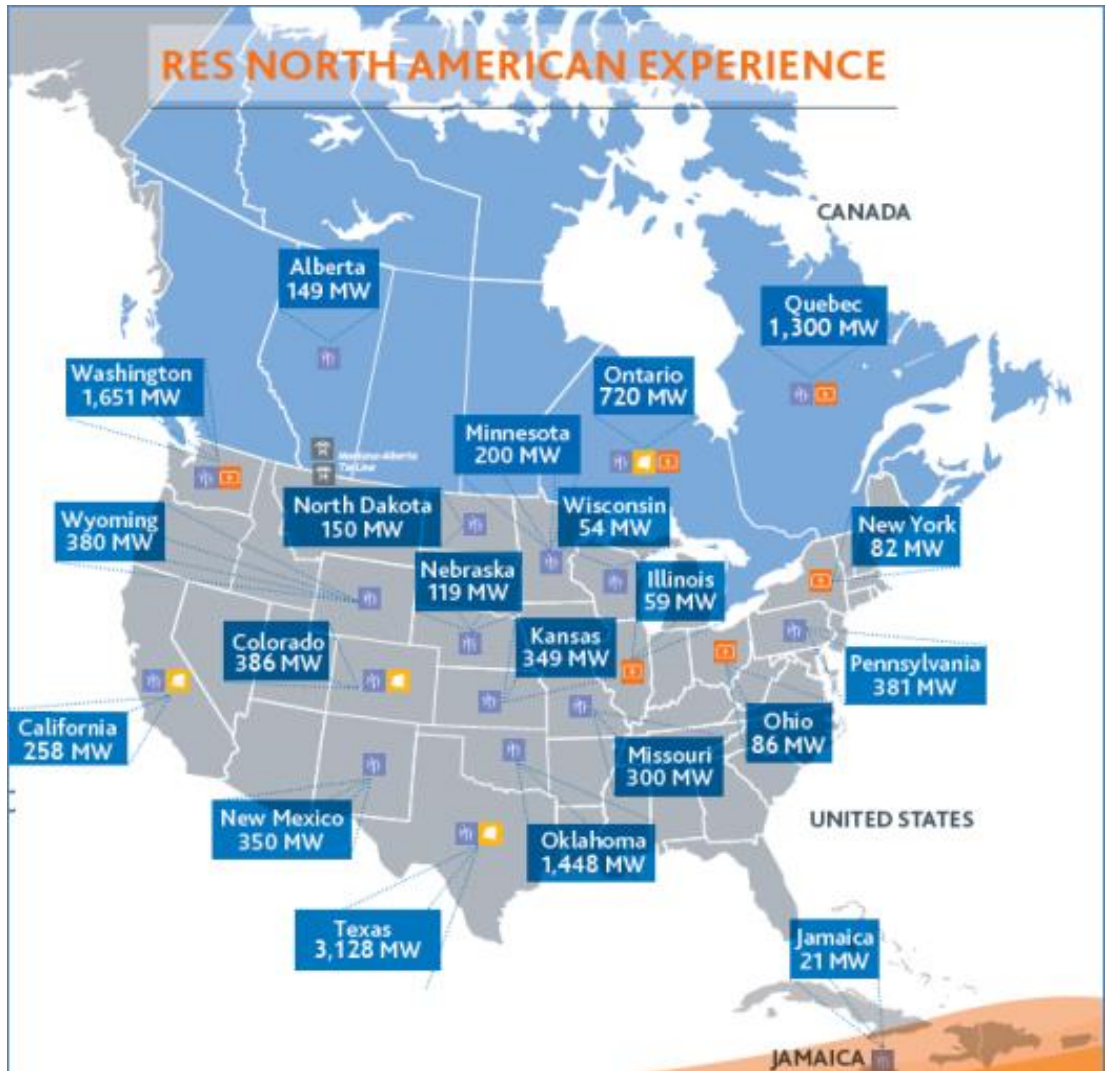
**Oscar Urbina**

**Development Manager, RES Canada**

# RES Canada Experience and Capabilities



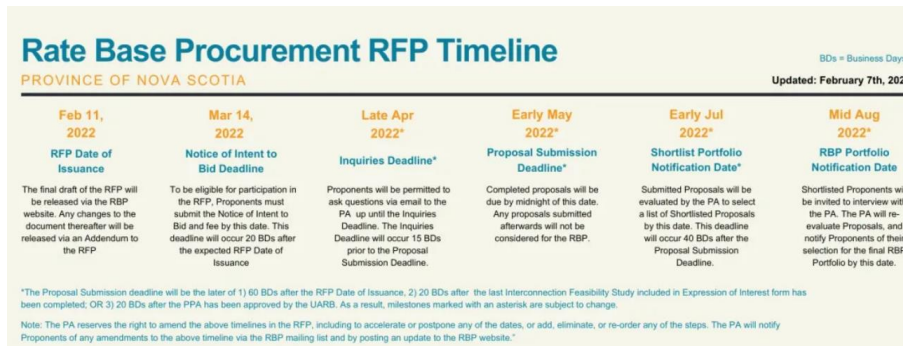
- RES Canada headquartered in Montreal since 2005
- Unparalleled success in wind project development and execution in Canada (2.5GW).
- Successfully closed 13 wind projects totaling over 2000MW in eastern Canada since 2005
- Successful partnerships with local communities across Canada.
- Successful partnership experiences with First Nations communities.



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# Upcoming NS Energy Tenders

- Rate Base Procurement (RBP) program announced in 2021. RfP for 350MW and Projects limited to 100MW at most. Current timeline states that Project bids are due by May 2022 and selected Proponents/Projects announced by August 2022.

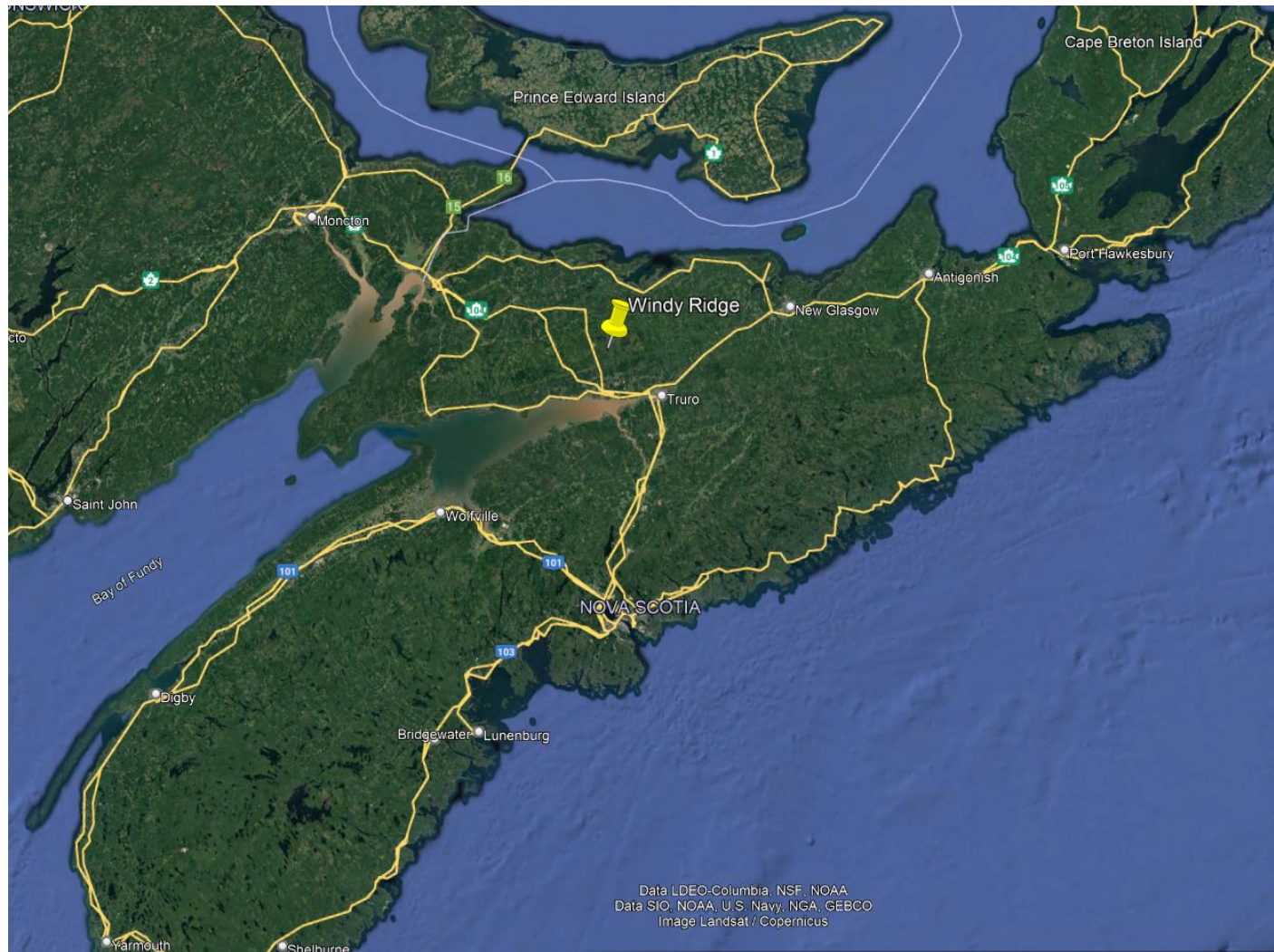


- Green Choice program announced in 2021. RfP for up to 250MW. Current timeline states that Project bids are due in Q1 2023 and selected Proponents/Projects announced by Q2 2023.





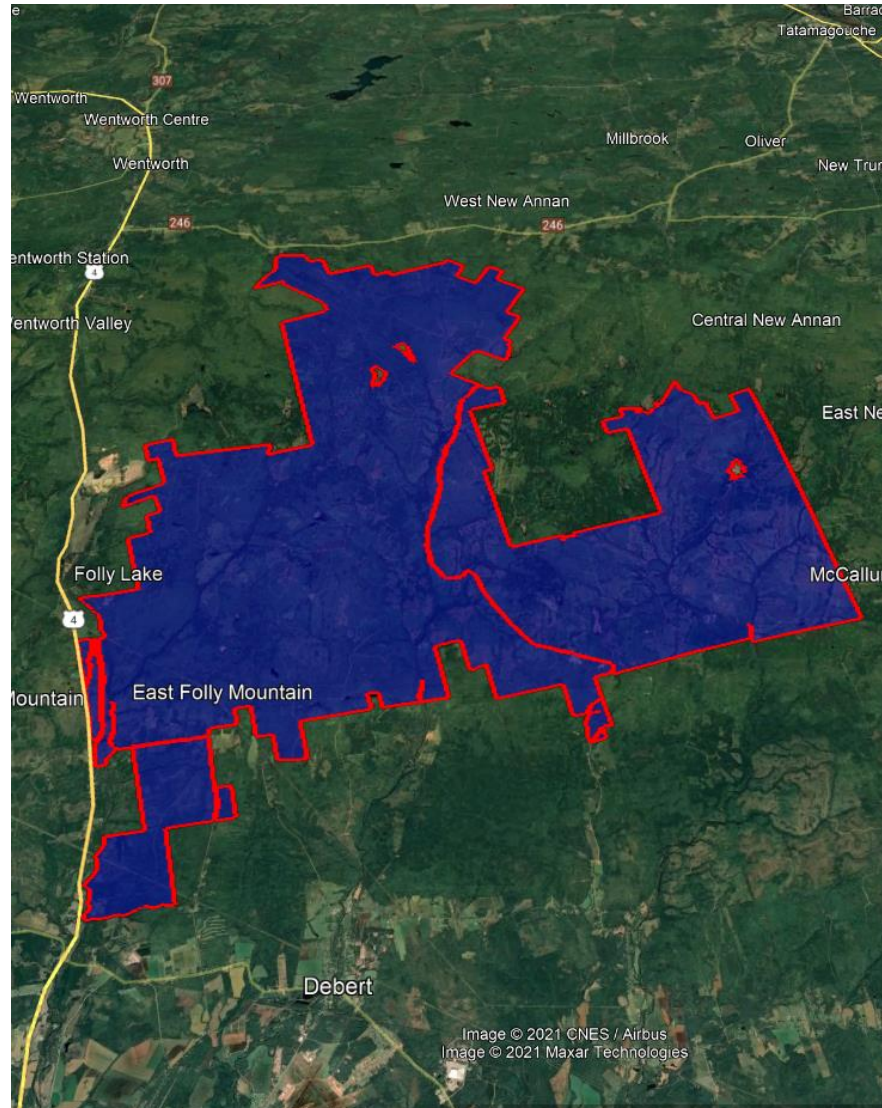
# Nova Scotia Project Portfolio



## Windy Ridge

- Project is located approximately 6kms Northwest of Debert.
- Project will have a maximum 100MW, ~16-20 turbine positions.
- Located on Private land.
- Environmental impact would be minimized by using existing roads and cleared areas. Reclamation program to be part of EA impact studies.
- Siting would be done respecting all environmental restrictions and bylaws and in conjunction with Mi'kmaq representatives to avoid sensitive areas.
- CBCL and local consultants have been engaged for Environmental Studies and Impact Assessment.

# Project Boundary - Available Area



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# Project Strengths & Benefits

## Strengths of the Project

### Windy Ridge

- Good wind regime : Wind Campaign with met mast 10 years + of data.
- Project will have a maximum 100MW, ~16-20 turbine positions.
- Interconnection: to tie-into to a nearby 138 kV line, connecting to Onslow NSPI substation.
- In proximity of high energy demand areas.



# Project Strengths & Benefits

## Community Project Benefits

### Windy Ridge

- Revenues from land rental to wind farm, e.g. annual tax payments.
- Project to provide employment through a committee in coordination with the municipality to maximize contracting and employment opportunities for residents as well as active engagement with community businesses.
- Possibility of sponsorships with preference to local people for training on construction and operation of the Project.
- Benefits Agreement.

## Ownership

### Windy Ridge

- Option for First Nations to become project equity participant at NTP/COD (RES to take development and construction risks).
- Exploring partnership with a CEDIF partner to allow local ownership participation.

# Project Progress

## Project Progress

### Windy Ridge

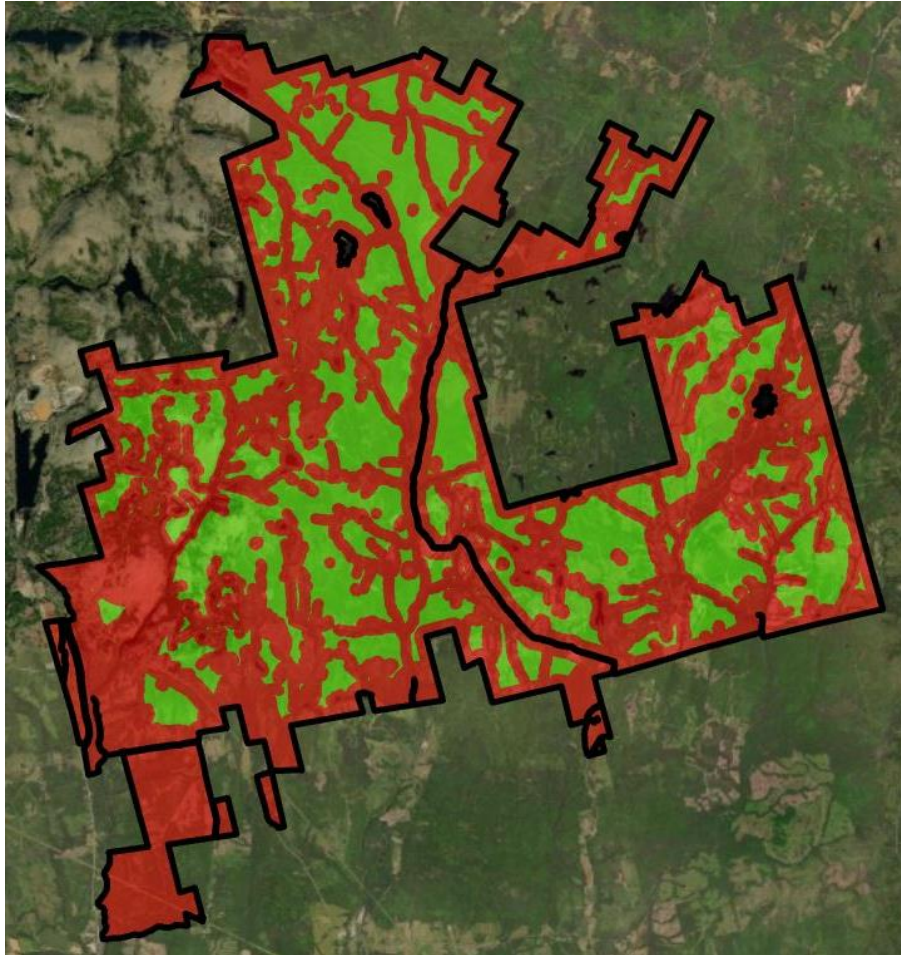
- Ongoing wind measurement campaign with met masts.
- Land options signed.
- Interconnection Request (IR) with NSPI submitted.
- Engagement First Nation Organizations and all 13 communities.
- Project Stakeholder Engagement initiated, including the Colchester Municipality.
- Preliminary environmental review and constraints mapping completed. Desktop Studies.
- Completed Surveys (to be updated):
  - Mainland Moose Survey
  - Bird – Spring Migration Stop-over survey

## Project Progress (Continued)

### Windy Ridge

- Completed Surveys (to be updated):
  - Bird – Diurnal Passage/Fly-over survey.
  - Bird – Breeding Bird survey including Nocturnal Owl & Eastern Whip-poor.
  - Vegetation Surveys.
  - Streams & water crossings on existing access roads.
  - Stream & water crossings on proposed access roads.
  - Wetland Habitat adjacent on WTG locations.

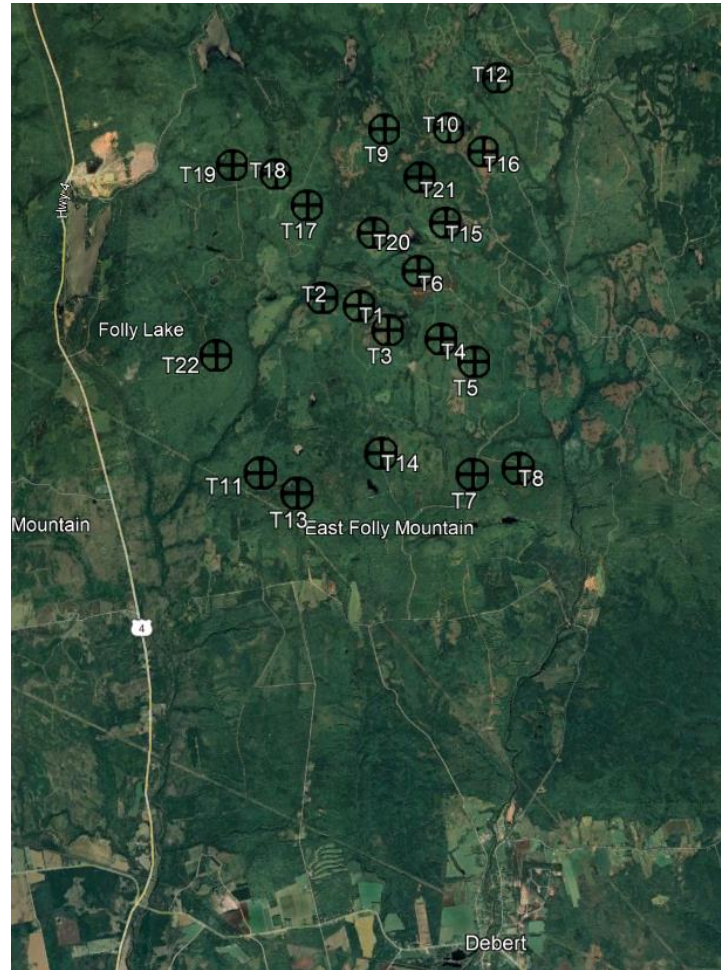
## Project Progress - Constraints Map



The Colchester Municipality is currently updating its wind development bylaw. The Windy Ridge Constraint Mapping will be updated once the new bylaw is published.

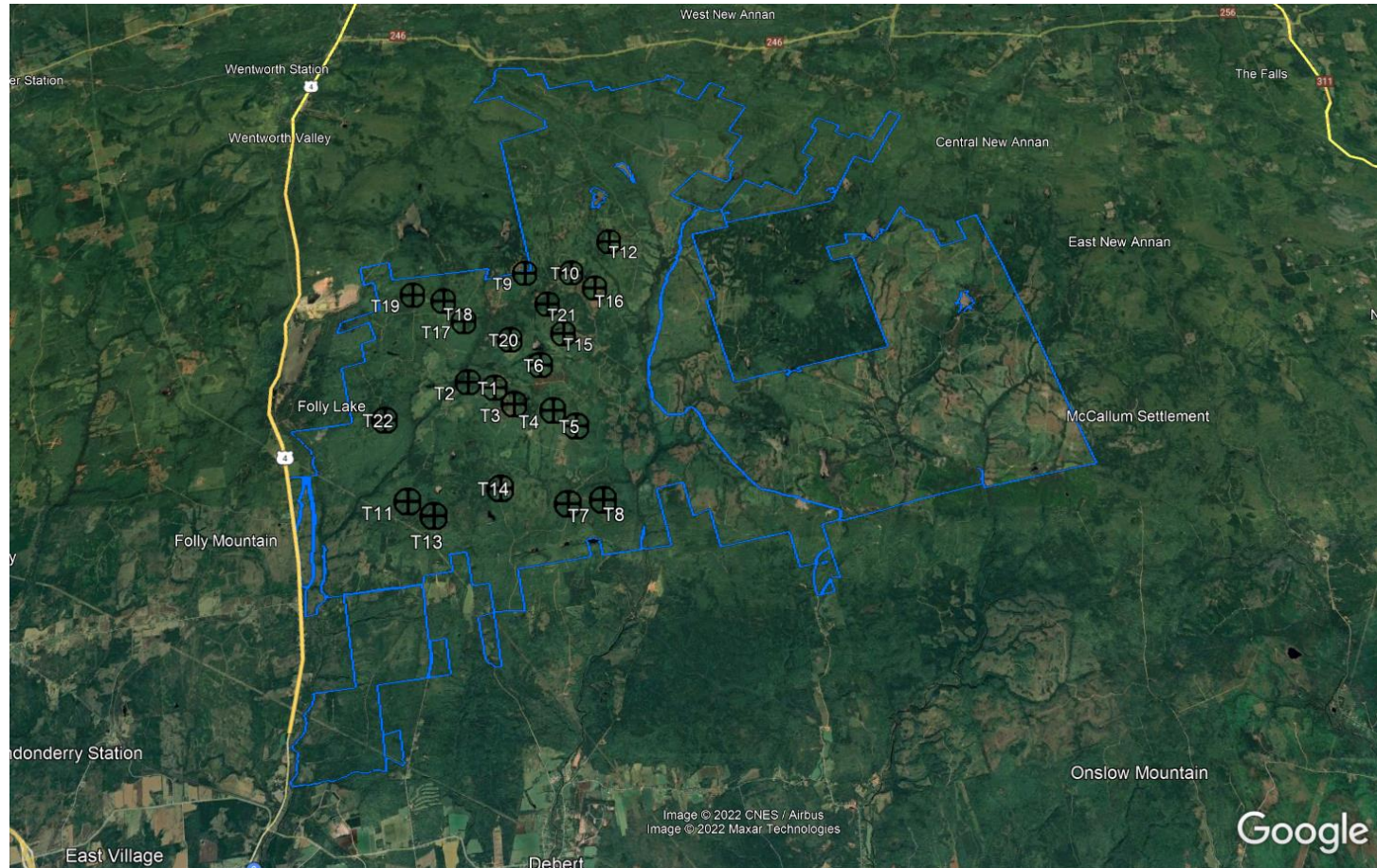


## Project Progress - Preliminary Layout



The Colchester Municipality is currently updating its wind development bylaw. The Windy Ridge Layout will be updated once the new bylaw is published.

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## Activities

### Windy Ridge

- Open House. March 2022.
  - Initial Project Configuration with Visual Simulation.
- Ongoing Stakeholder Engagement.
- Partnership Agreement with Mi'kmaq First Nation.
- Benefits Agreement.
- Ongoing Engagement with Municipalities.
- Bid Submittal.

# Future Activities

## Activities

- If project is selected by the Procurement Administrator (PA), the Project team will start formal EA studies and reports in line with Provincial, Municipal and Mi'kmaq requirements.
- Project team would work with Municipal and Mi'kmaq environmental representatives to optimize constraints mapping to establish EA baseline, existing features, sensitive areas and any Traditional Land and Resource Use in project area.
- Additional Surveys to be done:
  - Mi'kmaw Ecological Knowledge Study
  - Archaeological Assessment
  - Mainland Moose Surveys (reassess Windy Ridge and survey new project area)
  - Watercourse Assessment / Fish Habitat Assessment
  - Vegetation Surveys (Lichen Surveys)



# Future Activities



- Fall Bird Migration Surveys (including radar)
- Winter Residency (Bird) Surveys
- Nocturnal Owl Surveys
- Spring Migration Surveys / Diurnal Passage Surveys (including radar)
- Breeding Bird Surveys
- Bat Migration Surveys
- Bat Maternity Roosting Assessment
- Mammalian fauna (recorded through direct and indirect observations during the execution of other field programs)
- Visual assessments and modelling
- Geotechnical investigations
- Noise Modelling
- Wetland Delineation and Functional Assessment

# Renewable Energy Systems Canada Inc.



**Thank you!**

**Question & Answers**

