



# PROPOSED AULDS MOUNTAIN III WIND PROJECT OPEN HOUSE MATERIALS

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## Project Overview

The proposed Aulds Mountain III Wind Project is being developed by Natural Forces and Wskijnu'k Mtmo'taqtuow Agency Ltd (WMA) and may consist of up to 12 wind turbine generators. The Project could generate up to 50 MW of electricity to be distributed through the Nova Scotia Power electrical grid. The proposed turbines have an individual capacity of 4.2-5.5 MW with total tower heights of approximately 200m.

The Project is proposed on a mix of Crown lands on Aulds Mountain in Pictou County, approximately 20 km east of New Glasgow, and 1.5 km east of the existing Pictou Landing and Aulds Mountain Wind Farms. This location was chosen due to its elevation, optimal windspeeds, distance from residences, and minimal environmental constraints.

## Project Benefits

- Generate enough electricity to power up to 17,000 homes
- Provide up to \$10.7 million in tax revenue to Pictou County
- Increase employment and revenue for local businesses due to activities associated with the development, construction, and operation phases of the Project
- Produce emission-free energy that will displace energy produced from fossil fuels in Nova Scotia and therefore reduce greenhouse gas emissions
- Assist Nova Scotia in meeting renewable energy regulations and targets
- Stabilize energy costs for Nova Scotia Power customers

## Environmental Studies

The proposed Aulds Mountain III Wind Project will require a Provincial Environmental Impact Assessment (EIA). Desktop and field studies are currently being completed as part of the EIA. These studies will help Natural Forces develop the Project responsibly and mitigate environmental impacts. Members of the local community will have an opportunity to review and comment on the EIA document.

## Topics of Study

- Wetlands and watercourses
- Breeding birds
- Migratory birds
- Common nighthawks
- Bats
- Archaeology
- Vegetation
- Wildlife and habitat
- Wind resource
- Noise
- Shadow flicker

# Project Timeline

## Work Completed to Date

- Site identification
- Initial discussions with regulators
- Initial engagement with Mi'kmaq bands
- Engagement with landowners
- Nova Scotia Power feasibility study

## Ongoing Work: 2022

- Municipal permit applications
- Wind monitoring campaign
- Preliminary wind resource assessment
- Securing Project lands
- Environmental field surveys
- Public consultation
- Provincial program applications

## Future Work

### 2022-23

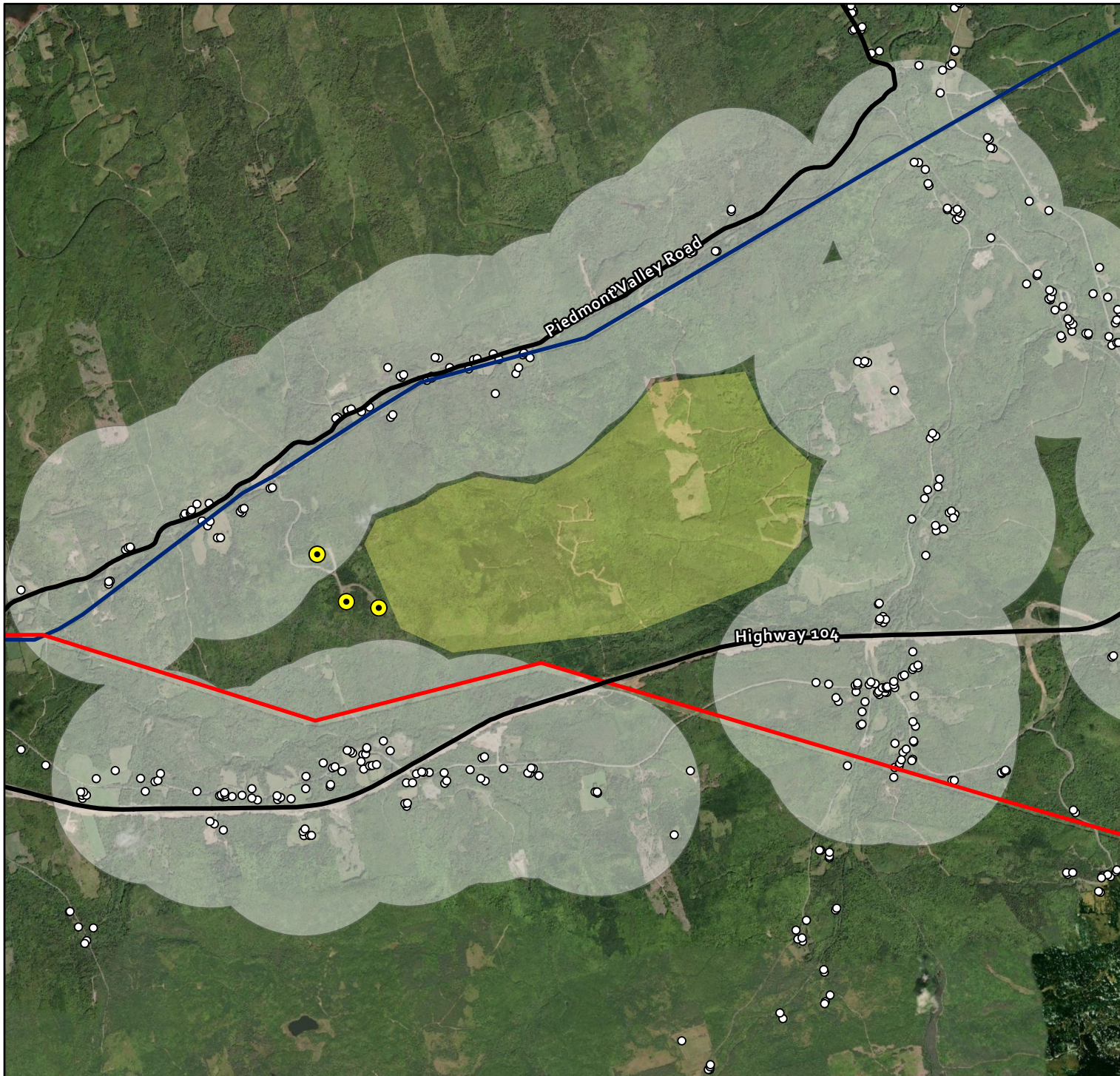
- Micro-siting turbine locations
- Environmental impact assessment submission
- Nova Scotia Power advanced interconnection studies
- Negotiation of Power Purchase Agreement

### 2024-25

- Pre-construction activities
- Turbine procurement
- Civil works
- Electrical works and interconnection
- Turbine erection
- Project commissioning

### 2025-2055

- Operation of turbines
- Monitoring and site management
- Decommissioning and site reclamation



Proposed Aulds Mountain III Wind Project


**Potential Development Area**



- Legend**
- Existing Turbines
  - Potential Development Area
  - Existing NSP 138 kV Transmission Line
  - Existing NSP 230 kV Transmission Line
  - Known Residences
  - 1 km Buffer from Residences

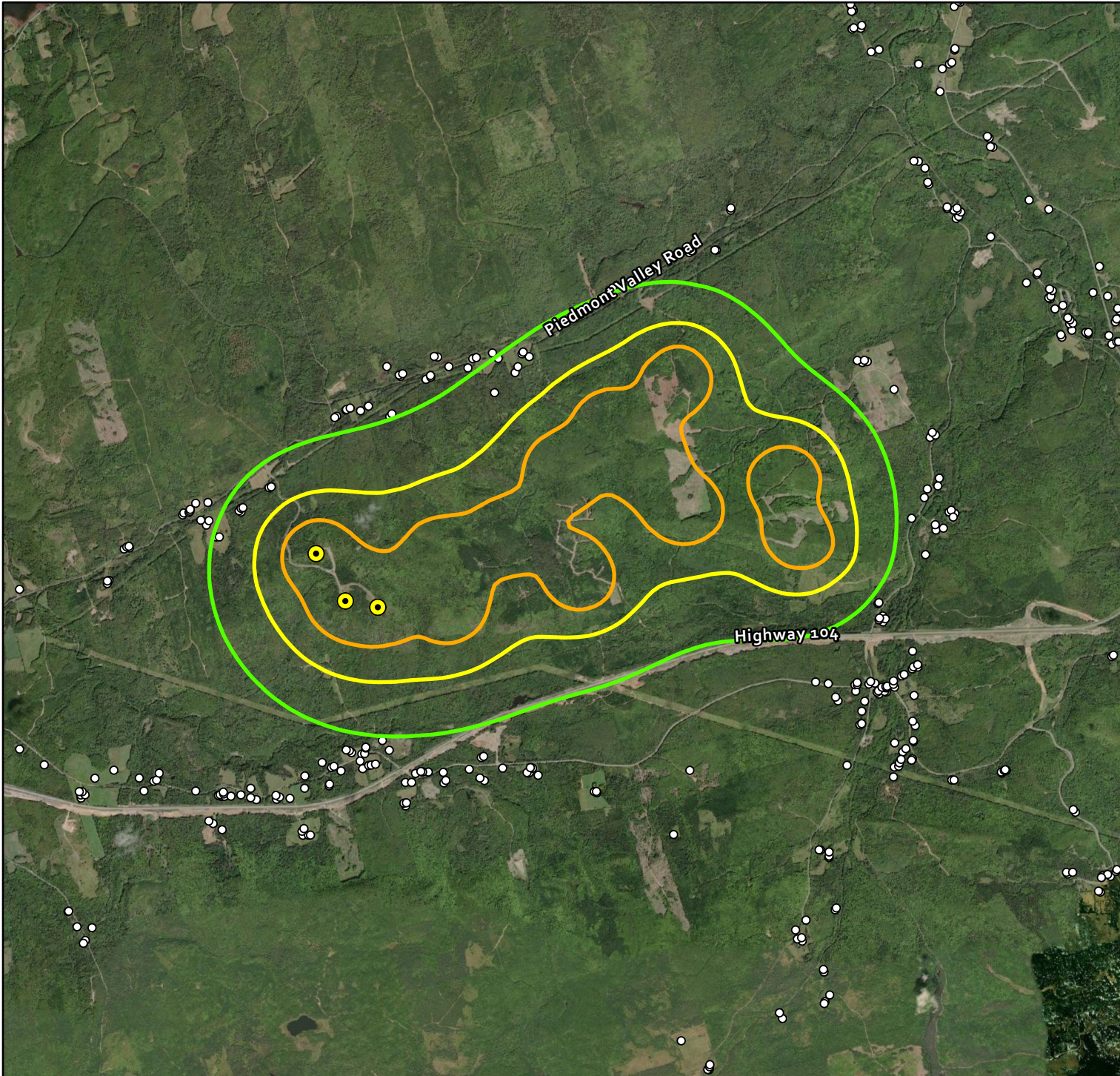
**Sources**

- Basedata provided by the Province of Nova Scotia
- Basemap: ESRI World Topo Map

  
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Proposed Aulds Mountain III Wind Project

**Sound Level Map - Realistic Model**



**Legend**

- Existing Turbines
  - Known Residences
- Sound Levels (dB(A))**
- 30
  - 35
  - 40

**Notes**

Turbine markers are not to scale

New Brunswick's guidelines allow the following sound levels for wind turbine projects at residential dwellings:

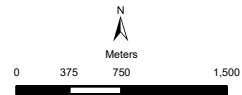
Wind Speed (m/s):	4	5	6	7	8	9	10	11
Noise Level (dBA)	40	40	40	43	45	48	51	53

More information can be found in the following document:

New Brunswick Ministry of Environment and Local Government.  
Additional Information Requirements for Wind Turbines - Clean Environment Act. New Brunswick.

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