

Alternative Resource Energy Authority: AREA

Towns of:
Antigonish
Berwick
Mahone Bay



Why Wind Farm?

- * Government of Nova Scotia renewable electric targets
 - * 25% by 2015
 - * 40% by 2020
- * NSPI rates have been increasing
- * Windfarm provide stability in costs over life span of turbines

Municipal Electric Utilities

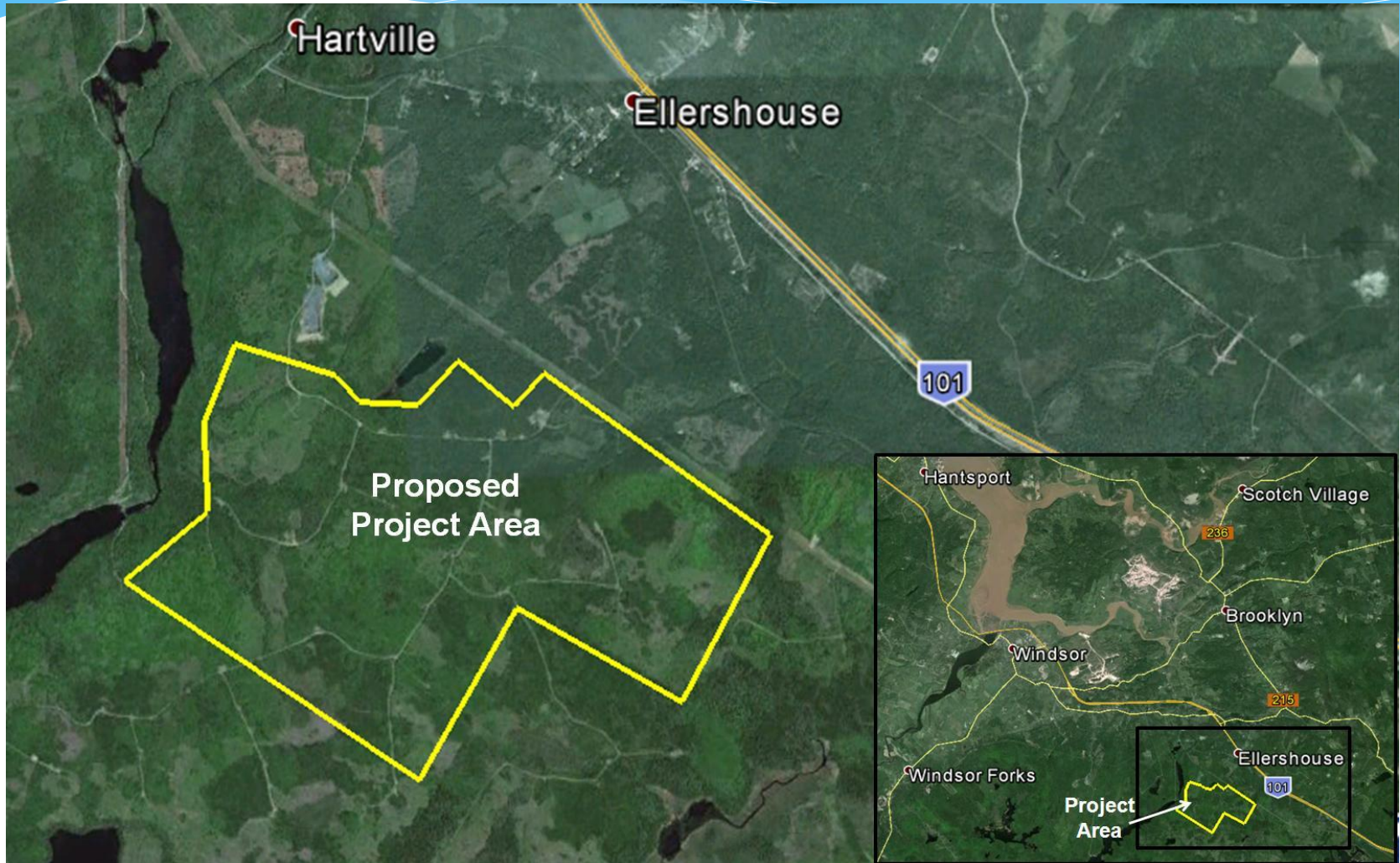
- * Several years ago Towns of Antigonish, Berwick, Lunenburg and Mahone Bay investigated developing their own source of power
- * Contracted Minas Energy, Bedford N.S.
- * Looked at a number of alternatives
 - * Few different vendors
 - * Few different sites



Inter-municipal Agreement

- * MGA permits municipalities to form partnerships
- * AREA was formed
 - * Mahone Bay and Berwick formed AREA in 2013
 - * Antigonish joined in 2014
 - * Owned by 3 municipalities
- * Board of Directors includes Mayor's and at least one Councillor plus CAO's and Director's of Finance from each municipality

Ellerhouse Site



Turbine Selection

- * Top in class
- * No gears
- * 15 year warranty
- * 20 life span



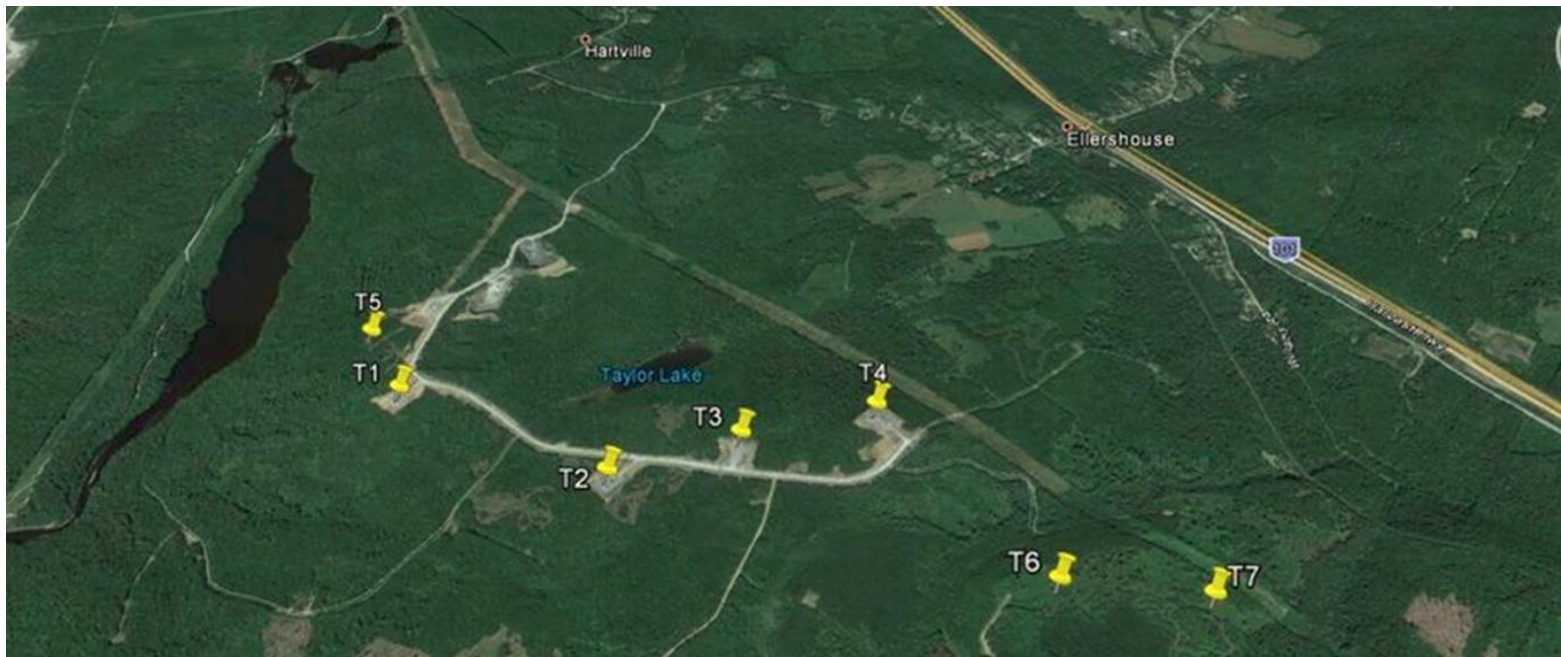
Ellerhouse Windfarm

- * Potential for 7 turbines
- * 4 turbines would satisfy towns renewable energy requirements
- * \$24 Million project
 - * Turbines
 - * Roads
 - * Connections
 - * Sub-station

Process

- * Development Agreement: West Hants
- * Finances reviewed by Town Auditors
- * Approval Process
 - * Department of Energy
 - * Department of Environment
 - * Department of Economic Development
 - * Department of Municipal Affairs
 - * Municipal Finance Corporation

Turbine sites



Windfarm

- * Construction began in Summer of 2015
- * 1st turbine in operation November 2015, January 2016
all turbines in operation
- * Construction under budget
- * Performance exceeds expectations



2nd Phase

- * AREA decides to construct remaining 3 turbines
- * \$15 million cost
- * Approval from Minister to borrow money
- * Construction has begun



Benefits

- * Electric Utilities
 - * Rates for customers
 - * Dividends for Towns
- * AREA Ellerhouse Windfarm
 - * Profits to 3 municipal owners of AREA
 - * Stabilize rates for Municipal Electric Utilities
- * West Hants will receive taxes from Windfarm
- * Meet NS government targets for Green Energy

Moral of the Story

- * Never sell the Goose that lays the Golden Eggs!

