

Community Energy

EOS Eco-Energy Inc. Tantramar, NB

Theo Losier
Department of Energy
February 2011

Agenda

- ❖ Proposed Policy and Types of Projects
- ❖ Eligible Ownership
- ❖ Power Purchase Agreement
- ❖ Benefits of Community Energy
- ❖ Support and Key Partners
- ❖ Request for Expression of Interest (REI)
- ❖ Steps in developing a Wind Farm Project

The Policy

- Development of up to 75 MW of community energy projects
- 75 MW- **25MW will be allocated to First Nations**
- Locally developed, majority owned and operated by NB First Nations or New Brunswick Communities
- Projects can be up from 3- 15 MW
- Can connect to electricity distribution or transmission system, depending on size & location.



Types of Projects

- Biomass Resources
- Wind
- Small Hydro
- Solar
- Tidal Power



Eligible Ownership

- At least 51% must be owned by First Nations, Municipalities, cooperatives, not-for-profit organizations or institutions.
- Minority participants can include private corporations and investors.



Purchase of Electricity

- NB Power will be regulated to acquire the allocation (*Legislation and Regulation changes pending*)
- Power Purchase Agreement length, typically 20 to 25 years.
- Price for purchased energy will be \$0.10/kWh. Beginning April 1, 2010
- 70% of the \$0.10/kWh will be subject to NB CPI

Benefits...

- Contributes to local economies
- Contributes to greater acceptance of renewable power by citizens
- Will increase citizen and community engagement in sustainable development
- Develop community entrepreneurship and stronger communities



Support

- Three Development Officers. One dedicated to First Nations.
- Enterprise Agencies
- Business New Brunswick, **NB Power**
- Regional Development Corporation

renewables nb

External site:
The source for
small-scale renewable
energy projects in N.B.


New **Brunswick** Nouveau
Be...in this place • Être...ici on le peut

Support – Department of Energy

- North - Theo Losier: 506-395-7188
theo.losier@gnb.ca
- South - Keith Melvin: 506-658-2172
keith.melvin@gnb.ca
- First Nations - Charles Harn 506-452-3104
charles.harn@gnb.ca

Other Key Partners

- Dept of **Transportation**
 - Large loads, weight restrictions, road closures
- Dept of **Environment**
 - Identifies mitigation requirements for adverse environmental effects
 - Feds & Prov work closely together
 - www.gnb.ca/environment and www.ceaa.gc.ca



Other Key Partners

Dept of Natural Resources

- Fish & Wildlife, Endangered Species
- Crown Lands Allocation,
 - Two step process to lease crown land for wind
 1. License of Occupation – up to 3 years with an option.
 2. Long Term lease – Up to 30 years
- Forest Biomass Harvesting Policy

Web: www.gnb.ca/naturalresources

Toll Free: 1-888-312-5600



New Brunswick System Operator

- **Independent corporation** whose primary responsibilities is to ensure the reliability of the electrical system.

1.Preliminary Assessment

2.System Impact Study

3.Facilities Study

- www.nbso.ca



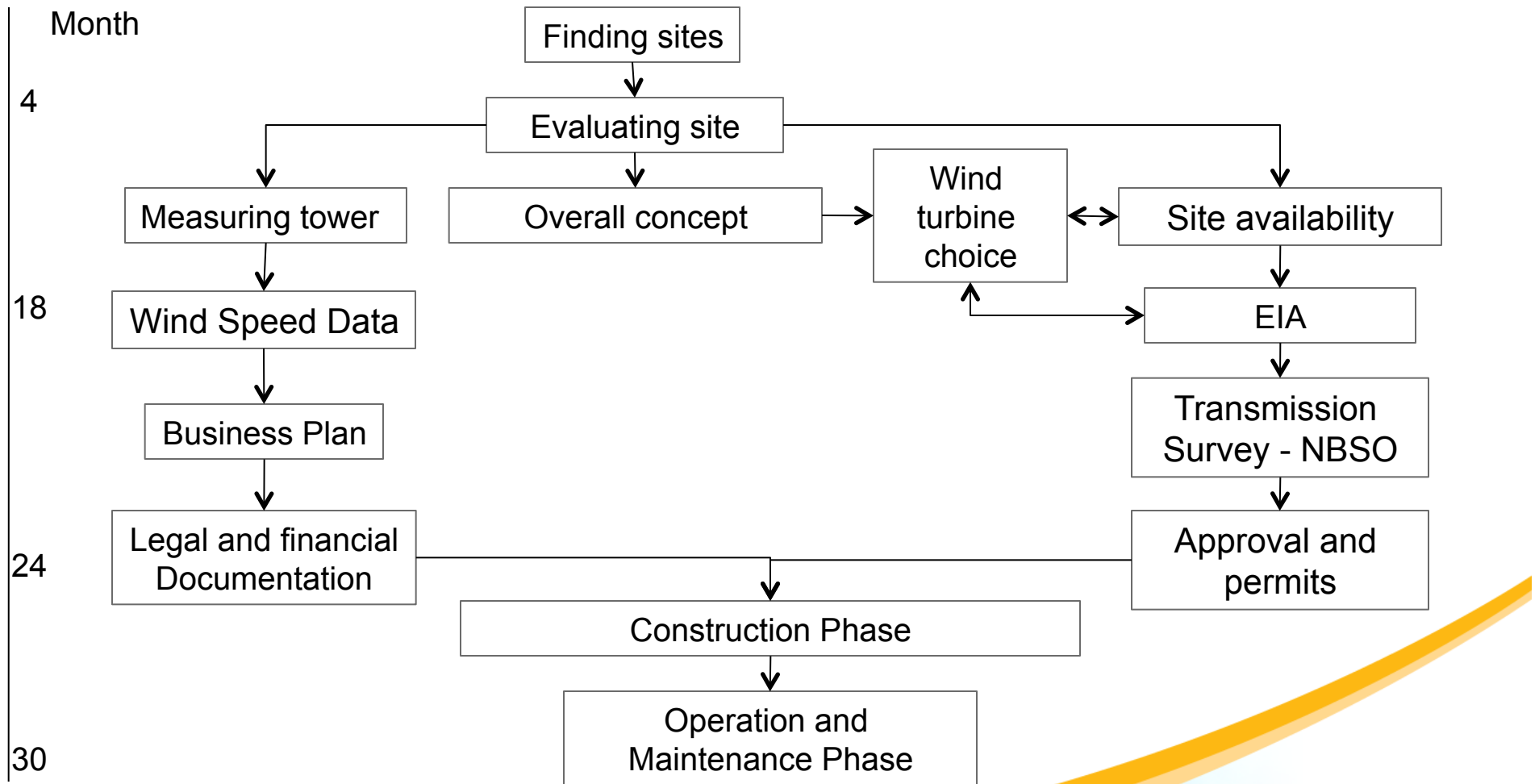
Resources

- *Wind Resource Map of New Brunswick*
- Policy for Allocation of Crown Lands for Wind Power Projects
- New Brunswick System Operator, NB Power
- NB Power Net metering and Embedded Generation Policy.
- New Brunswick Developers Guide to Renewable Energy
- DOE website under “Community Energy”
www.gnb.ca/energy

Request for Expression of Interest

- To participate, proponents as been ask to respond to an REI
- Projects will be posted on our web site
 - Proponent name
 - Type of project
 - Site
 - Size
- The REI as been posted on our website since May 2010.

The steps of a wind project





Questions and Answers