AMHERST WIND ENERGY PROJECT

Project Overview

Acciona Wind Energy Canada Inc. (Acciona) is proposing to construct and operate a 30 MW wind power facility. The main purpose of this Project is to supply the Nova Scotia electrical system with an additional source of renewable energy. Acciona recently responded to Nova Scotia Power’s Request for Proposals for 130 MW of Renewable Energy. Power purchase agreements have not been awarded to date.

The Project will consist of 20 wind turbine generators. The 1.5 MW Acciona AW-1500 turbines will be used for this Project. Ancillary facilities considered part of the Project include:

- Underground, 12 kV collection lines (to link the wind turbines to the substation);
- A substation;
- 138 kV link from the substation to the existing 138 kV overhead lines;
- Maintenance and control building(s);
- Access roads; and
- Crane pads for the assembly of the wind turbines.

Wind energy is associated with few environmental impacts compared with other sources of energy. The following have been identified as potential issues of concern for the Project and will be addressed in the environmental assessment: wildlife habitat with a particular focus on birds; historical resources; noise; and socio-economic issues.

Anticipated Regulatory Process

Acciona is currently undertaking an environmental assessment of the Project that will satisfy the requirements for a joint federal-provincial screening level environmental assessment pursuant to the Canadian Environmental Assessment Act (CEAA) and the Nova Scotia Environment Act. Field work to support the environmental assessment process has been completed. Bird surveys at the proposed site were undertaken for a year. In addition, terrestrial wetland and stream surveys have been undertaken.

Schedule

Anticipated key schedule milestones include:

- Preliminary conceptual planning for the project began in 2003;
- Field work was completed in 2006;
- Public open houses and stakeholder consultation in the December 2005 and October 2007;
- Submission of environmental assessment late 2007; and
- Target construction completion near the end of 2009.

For More Information, Please Contact:

Jiddu Tapia, Acciona Wind Energy Canada Inc.  (585) 755-2114 or (416) 307-3609
 Angela Swaine, Jacques Whitford  (902) 468-7777
Wind Turbines

Turbine Access Road

Underground Cable

Transmission Line

Substation
AMHERST WIND ENERGY PROJECT

PUBLIC OPEN HOUSE
October 2007
Welcome to the Public Open House being held by Acciona Energy and Wind Dynamics Inc. (WDI) for the proposed Amherst Wind Energy Project.

This session has been designed to introduce you to:

- The Project Team and proposed Project;
- The proposed location; and
- The Project schedule.

Acciona Energy and WDI would also like to hear your comments on the proposed Project.
Acciona Energy North America

- Acciona Energy North America is a wholly-owned subsidiary of Acciona Energia of Spain, a global leader in the development, operation and long-term ownership of renewable energy projects.

- Acciona Energy has developed 4,918 MW of wind power and owns 3,603 MW.

- Acciona Energy benefits from over twenty years of experience in renewable energy development and operation.

- Acciona Energy developed the 30 MW Magrath Wind Farm in Alberta with partners Suncor Energy and Enbridge.

- Acciona Energy also developed, owns and operates 30 MW Chin Chute Wind Farm in Alberta with partners Suncor Energy and Enbridge.
Acciona Energy recently commissioned the 76 MW Ripley Wind Farm in Ontario which it developed, owns and operates with partner Suncor Energy.

Acciona Energy is one of the largest wind developers in the world with a portfolio of 4,918 megawatts installed in 180 wind farms in 10 countries (3,603 owned by the company). The company manufactures wind turbine generators using in-house technology. In solar energy, Acciona’s Nevada Solar One project represents the largest solar thermal electric power plant (64 MW) built in the world in the last 16 years, in addition to the company’s 35 MW installations of photovoltaic power and a 46 MW photovoltaic solar plant under development in Portugal. In the area of biomass, Acciona operates three plants (33 MW) and 19 small hydro power plants (59 MW). In biofuels, the company produces biodiesel from vegetable oils and bioethanol from surplus wine.

Acciona is one of the premier international corporations working in the development and management of infrastructure services and renewable energy sources, employing more than 38,000 people worldwide. Acciona is listed on the IBEX-35 in Spain with a market capitalization of more than $18.9 billion.
Wind Dynamics Inc.

- 100% locally owned and operated.
- A Maritime leader in wind farm development.
- Active in New Brunswick, PEI and Nova Scotia.
- Extensive construction, engineering and wind energy experience.
- Site assessments, wind resource assessments.
- Land acquisitions and permitting.
- Wind farm development.
- Community based approach to all our projects.
- Corporate member of Canadian Wind Energy Association.
- Working with Acciona Energy on several wind energy projects in the Maritimes.
ENVIROMENTAL CONSULTANTS

- A leader in environmental, engineering, scientific and planning disciplines, solving challenges in the natural and built environments.
- More than 40 offices across North America.
- More than 400 employee owners and approximately 1400 staff in total.
- 100,000+ projects in North America and more than 50 countries.
- Canada’s most experienced Wind Energy Environmental Assessment firm with over 100 wind power projects in progress or recently completed.
- Expertise with respect to wind power includes services in several project stages: planning; site investigation; regulatory process and permits; construction and operation.
- Exceptional people, exceptional service, exceptional solutions.
PROJECT DESCRIPTION

Acciona Energy and Wind Dynamics propose to construct and operate a 30 MW wind power facility which will include 20 Acciona AW-1500 wind turbine generators. The machines will be 1.5 megawatts. A subsurface collection system will also be constructed. Additional Project components include maintenance and control building(s), substation, access and construction roads as well as staging areas for turbine assembly.

The main purpose of this Project is to supply the Nova Scotia electrical system with an additional source of renewable energy.
SITE SELECTION PROCESS

Selection of the Project site was based on a number of factors, including:

- Preliminary wind resource assessment
- Detailed wind resource assessment
- Review of terrain and topography
- Access to interconnection to Nova Scotia Power Inc. grid
- Existing land use
- Outstanding support for a wind power Project by the Town of Amherst and Cumberland County
- Public open house sessions held in 2002 and 2005 also indicated outstanding public support for a wind power Project
TYPICAL CONSTRUCTION ACTIVITIES

Construction activities for the proposed Project will include:

Surveying – Construction area boundaries are staked.

Removal of agricultural soil – Agricultural soil will be removed and stockpiled for site restoration purposes.

Grading – The Project area will be contoured to facilitate safe movement of equipment.

Ploughing and trenching – For the underground distribution lines, a combination of ploughing and trenching will be used, depending on terrain. Subsoil will be stockpiled separately from agricultural soil.
CONSTRUCTION ACTIVITIES (continued)

Foundation preparation – Piles will be installed and concrete poured into an excavated hole to prepare turbine tower bases.

Equipment assembly (tower, generator, and rotor) – The tower comes in three sections that are assembled on the site. The blades are bolted to the rotor hub on the ground and the entire assembly is then lifted by a crane and attached to the generator at the top of the tower.

Installation of substation – Substation equipment will be installed within a fenced yard that will be surfaced with clear stone.

Site clean-up – Agricultural soil will be replaced and the site will be seeded, where practical. High voltage signage will be installed at the substation and elsewhere, as necessary.
# PROJECT SCHEDULE

<table>
<thead>
<tr>
<th>Activity</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landowners signed up as part of project</td>
<td>Completed</td>
</tr>
<tr>
<td>Hold first open house</td>
<td>Completed</td>
</tr>
<tr>
<td>Turbine selected</td>
<td>Completed</td>
</tr>
<tr>
<td>80 meter MET tower installed</td>
<td>Completed</td>
</tr>
<tr>
<td>Wind analyses completed</td>
<td>Completed</td>
</tr>
<tr>
<td>Layout finalized</td>
<td>Completed</td>
</tr>
<tr>
<td>Hold second open house</td>
<td>Completed</td>
</tr>
<tr>
<td>Federal Environmental Assessment submitted</td>
<td>No later than 11/07</td>
</tr>
<tr>
<td>Provincial Environmental Permit received</td>
<td>No later than 2/08</td>
</tr>
<tr>
<td>Interconnection Facility Study finalized</td>
<td>No later than 4/08</td>
</tr>
<tr>
<td>Development Permit</td>
<td>Completed</td>
</tr>
<tr>
<td>Construction begins</td>
<td>No later than 9/08</td>
</tr>
<tr>
<td>Federal Environmental Permit received</td>
<td>No later than 9/08</td>
</tr>
<tr>
<td>Turbines delivered to site</td>
<td>No later than 5/09</td>
</tr>
<tr>
<td>In-service date</td>
<td>No later than 12/09</td>
</tr>
</tbody>
</table>
REGULATORY APPROVAL PROCESS

Acciona Energy and WDI are undertaking an environmental assessment of the Project that will satisfy both federal and provincial requirements. The environmental assessment will:

- Focus on issues of greatest concern;
- Address regulatory requirements;
- Address issues raised by the public and stakeholders; and
- Integrate mitigation and monitoring programs into the planning process.
LIST OF POTENTIAL ISSUES OF CONCERN

Wind energy is associated with few environmental impacts compared with other sources of energy. The following have been identified as potential issues of concern for the Project and will be addressed in the environmental assessment:

- Wildlife Habitat with a particular focus on birds;
- Historical Resources;
- Noise; and
- Socio-economic Issues.
BIRDS

Environment Canada has developed environmental assessment guidelines for wind energy projects as they relate to potential impacts on birds. The environmental assessment for this Project will be conducted in accordance with these guidelines.

A bird monitoring study has been underway since January 2005 to assess and characterize breeding, wintering, and migrating birds found in the Project area. The protocol for the monitoring program was developed in consultation with the Canadian Wildlife Service.

The pre-construction survey is complete and will be incorporated in the environmental assessment.
PROJECT HIGHLIGHTS

• Project is being proposed on agricultural land—largely used for sod farming.

• Land use activities can continue on site in areas surrounding the turbines.

• Significant issues with respect to birds, mammals, herpetiles and rare vegetation have not been encountered.

• Turbines will be located to avoid buffer zones of adjacent river and wetlands.

• Turbines have been sited to be in compliance with local municipal by-laws (e.g., distance from local residents).
BENEFITS OF WIND ENERGY

- Wind is a completely renewable, clean source of energy. It does not produce any atmospheric emissions and helps fight global climate change.
- Wind energy is one of the most reliable, efficient, and economical sources of electricity generation.
- Wind technology provides an outstanding opportunity to cut carbon dioxide (CO$_2$) output at an extremely reasonable cost.
- Wind energy is associated with few environmental impacts compared with other sources of energy.
  
  Source: CanWEA 2005

- This Project will annually displace 70,000 tons of greenhouse gas!
- This Project will provide significant tax revenues. The property tax paid will be approximately $5,500 per MW (e.g., $5,500 X 30 MW = $165,000).
- This Project will provide income for landowners.
- This Project will provide price stability for cost of electricity.
- This Project will provide jobs.
WE WANT TO HEAR FROM YOU

Acciona Energy and WDI are seeking public input to ensure all important issues are considered in the environmental assessment and that the public is fully aware of Project activities.

As part of the proposed public consultation program, the Project team will meet with and continues to meet with interest groups, associations, regional development organizations, trade associations, and local and federal officials.

Please take the time to fill out the exit questionnaire, or take it with you and forward comments to:

Angela Swaine
Jacques Whitford Limited
3 Spectacle Lake Drive
Dartmouth, NS  B3B 1W8
THE BASICS OF A WIND TURBINE

Harnessing the wind
Wind energy systems use air currents to turn aerodynamic, three-bladed turbines attached to an electric generator.

The rotating blades spin a shaft that creates electricity in a generator.

- Low-speed gear
- Brake
- Controller
- Anemometer (Wind speed)
- Wind vane
- Generator

The power is sent through transmission lines to homes and other customers.

A wind turbine works the opposite of a fan, which uses electricity to make wind. Instead, these outdoor generators use wind to make electricity.

Note: Not to scale
Sources: U.S. Department of Energy

Tim Summers / The Detroit News
Sound Levels of Common Sources

- Jet Take-off (60 m): 140 dB (A) Leq
- INDY Race Car (30 m): 130 dB (A) Leq
- Train at 100 km/hr: 120 dB (A) Leq
- Tractor Trailer at 100 km/hr: 110 dB (A) Leq
- Well Projected Speech (1 m): 100 dB (A) Leq
- Shopping Mall: 90 dB (A) Leq
- Acciona AW-1500 Wind Turbine: 80 dB (A) Leq
- Bedroom: 70 dB (A) Leq
- Soft Whisper: 60 dB (A) Leq
- Falling leaves: 50 dB (A) Leq
- Loud Ringing Alarm Clock (at 1 m): 40 dB (A) Leq
- Arena during Play-off Hockey: 30 dB (A) Leq
- Rock concert: 20 dB (A) Leq
- Threshold of Pain: 10 dB (A) Leq
- Falling leaves: 0 dB (A) Leq
February 23, 2006

Mr. Donald M. Julien
The Confederacy of Mainland Mi'kmaq
P.O. Box 1590
57 Martin Cres.
Truro, NS B0N 5V3

Dear Mr. Julien:

Re: Proposed Amherst Wind Farm Project

This letter is to inform you of a project that may be located close to your area of interest.

Acciona Wind Energy Canada Inc. (formerly EHN Windpower Canada Inc.), a wholly owned subsidiary of Acciona Energia of Spain, in partnership with Wind Dynamics Inc. (WDI), a New Brunswick Corporation, is proposing to construct and operate an approximately 34 megawatt wind power facility. The proposed Project would consist of approximately 20 Wind Turbine Generators with a 34.5 kV sub-surface collection system connected to a new substation, all of which is to be on land located in Cumberland County, near the Town of Amherst, Nova Scotia (along Highway 104, near the Wandlyn Inn). The proposed Project is referred to as the Amherst Wind Energy Project (AWEP, the Project).

The Proponents are currently preparing an environmental impact assessment document which will facilitate an environmental assessment pursuant to the Canadian Environmental Assessment Act and a registration of this project under the Environmental Assessment Regulations pursuant to the Nova Scotia Environment Act.

Please find enclosed the Project Information Sheet and the corresponding Figure, which provide more details regarding the Project and the site location. Turbine siting has yet to be completed however they will be located within the circle indicated on the map (avoiding the river and other sensitive areas).

Please contact the undersigned or the contacts listed on the Project Information Sheet with any comments, concerns, or questions you may have regarding the project.

Yours truly,

JACQUES WHITFORD LIMITED

Angela Swaine
Project Manager

AS/hm
Enclosure
Mr. Donald M. Julien  
The Confederacy of Mainland Mi’kmaq  
P.O. Box 1590  
57 Martin Cres.  
Truro, NS  B0N 5V3  

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Angela Swaine  
Project Manager  

AS/hm  
Enclosure