



AECOM  
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Tel: 519 763 7783 Fax: 519 763 1668



# Minutes – Goshen Wind Energy Centre: Community Liaison Committee

**Attn.:** CLC members, NextEra Staff

**Subject:** Goshen Wind Energy Centre, Community Liaison Committee (CLC): Meeting No.1

December 11, 2014 6:00pm – 8:00pm

South Huron Recreation Centre - 94 Victoria Street East, Exeter, Ontario

**Present:**

CLC Members

- Cathy Seip; Stephen Finkbeiner; Allan P. Barnes; Stephen Boles; Gary Eagleson; Chuck Ford; James E. Dietrich ; Pat O'Rourke; Bill Dowson; Hubert Haccius; Frank Palen;

NextEra Energy Canada

- Nicole Geneau, Director, Development; Bourke Thomas, Environmental Services; Jeff MacFarlane, Operations Manager; Derek Dudek, Community/Municipal Relations

Borea Construction

- Derek Praught

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- Avril Fiskin (Committee Chair), Adam Wright (Committee Organizer)

**Absent:**

- Arnold Kester



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Item Discussed	Action
<p><b>1. Welcome and Introductions<sup>1</sup></b></p> <p>Avril welcomed the committee to the meeting and introduced herself.</p> <p><b>Question: Can we have an Agenda provided to us in advance of the meeting?</b>            Chair - Yes we will be sure to provide an Agenda to the CLC in advance of the next meeting.</p> <p>Avril then welcomed the Committee and asked them to introduce themselves (refer to Appendix A).</p> <p>Chair thanked CLC members for their introductions and reviewed the Agenda for the meeting.</p> <ol style="list-style-type: none"> <li>1. <b>Introductions</b></li> <li>2. <b>Review purpose, objectives and conduct for the CLC</b></li> <li>3. <b>Present Goshen Wind Energy Centre and update on project status</b></li> <li>4. <b>Discuss construction process</b></li> <li>5. <b>Information requests and items to be discussed at future CLC meetings</b></li> <li>6. <b>Depositions, if any requests received</b></li> <li>7. <b>Plus/Delta</b></li> </ol> <p>Chair reviewed the role and function of the Parking Lot as a way to table items that we cannot fully comment on at the meeting. Documenting these items ensures that they are addressed at a later date.</p> <p>Minutes will be received by the CLC members within 2 weeks of the meeting and they will have two weeks to comment on them. After that time, they will be updated with any comments received and posted on the Project website.</p>	
<p><b>2. Review purpose, objectives and conduct for the CLC</b></p> <p>The Ministry of the Environment and Climate Change (MOECC) issued a Renewable Energy Approval (REA) in July 24, 2014 for the Goshen Wind Energy Centre. One condition is that NextEra make reasonable efforts to establish a</p>	

<sup>1</sup> The Meeting Summary is not intended to be verbatim, rather it is provided to Committee members to ensure that key discussions have been accurately captured and that context is provided for readers who were not present at the meeting.



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<p>Community Liaison Committee (CLC) and hold at least 2 meetings per year over the next two years.</p> <p>Chair reviewed that advertisements were place in local newspapers and mailed out to roughly 1,000 residents who live within 1km of the project. Invitation letters were also sent to 12 aboriginal groups, as well as to the Ontario Federation of Agriculture and the Christian Farmers Federation.</p> <p>All members who applied and completed the Charter were invited to sit on the Committee.</p> <p><b><u>Mandate of the Committee:</u></b></p> <ul style="list-style-type: none"> <li>• To increase the public’s knowledge base of wind energy by providing accurate and up-to-date information on the:           <ul style="list-style-type: none"> <li>– Construction</li> <li>– Installation</li> <li>– Use</li> <li>– Operation</li> <li>– Maintenance, and</li> <li>– Retirement of the Facility</li> </ul> </li> </ul> <p><b>Note:</b> The CLC will not re-visit matters previously raised during the proposal/planning stage for the Facility (e.g. location of a Wind Centre, the <i>Green Energy Act</i>, the MOE’s approval process, etc.).</p> <ul style="list-style-type: none"> <li>• To help NextEra Energy Canada better understand the public’s concerns and perception of the risks and effects of wind energy and of the Facility; and</li> <li>• To engage in meaningful and open dialogue in order to identify opportunities for improvements and mitigation and work towards resolving or minimizing conflicts, as well as gain support/acceptance for the Facility.</li> </ul> <p>Chair reviewed the expectations of the CLC members, NextEra, and AECOM (slide 6).</p> <p><b><u>Expectations of CLC members</u></b></p> <p><b>Be Present.</b> Attendance is critical to an effective Committee. Feel free to send a delegate if you can’t attend.</p> <ul style="list-style-type: none"> <li>• If the first two meetings are missed, the Chair may require the member to forfeit their position</li> </ul>	



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<p><b>Be Prepared.</b> Review any materials, like minutes, sent in advance of the meeting.</p> <p><b>Be Involved.</b></p> <ul style="list-style-type: none"> <li>• Participate in discussions, working within the terms of membership agreed to in the CLC Charter</li> <li>• Bring forward areas of concern or interest pertaining to the construction, operation and retirement of the facility</li> <li>• Suggest ways to improve plans and provide constructive feedback on mitigation strategies suggested by NextEra and its staff and specialists</li> <li>• Participate in the evaluation of requests for public depositions</li> </ul> <p><b>Be Respectful.</b> Listen to and consider information provided by representatives of NextEra Energy Canada, and the opinions and suggestions of other CLC members</p> <p><b>Share.</b> Help NextEra Energy Canada keep people informed about the Wind Energy Centre by sharing your knowledge and perspectives through your existing community networks</p> <p><b><u>Expectations of NextEra representatives</u></b></p> <p><b>Be Present.</b> Attendance is critical to an effective Committee</p> <p><b>Be Prepared.</b> Review any materials, like minutes, sent in advance of the meeting</p> <p><b>Be Involved.</b></p> <ul style="list-style-type: none"> <li>• Provide the CLC (and the general public) with accurate and up-to-date information on the construction, installation, use, operation, maintenance and retirement of the Facility</li> <li>• Participate in discussions and provide answers and additional follow-up information</li> <li>• Through AECOM, provide administrative support for CLC members (e.g., coordination of meetings, photocopying of materials.)</li> </ul> <p><b>Be Respectful.</b></p> <ul style="list-style-type: none"> <li>• Listen to and consider the opinions, concerns and suggestions of the CLC members and depositions made by members of the general public</li> <li>• Work within the Charter for the CLC</li> </ul> <p><b>Share.</b> Post Community Liaison Committee materials to the project website,</p>	



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<p>including Agendas, Minutes and other appropriate information</p> <p><b><u>Expectations of Facilitators (AECOM)</u></b></p> <p>As meeting facilitators</p> <ul style="list-style-type: none"> <li>• Ensure CLC members are provided with information and technical support to allow them to contribute to CLC discussions</li> <li>• Moderate the meetings to meet the agreed upon Agenda and time schedule</li> <li>• Encourage constructive and thorough discussion</li> <li>• Ensure members respect other members and participant’s opinions and questions, and that no one interrupts or dominates the discussion</li> <li>• As Chair, AECOM has the right to excuse or replace any member of the CLC or public observer who is interfering with or disrupting with the CLC meetings</li> <li>• Oversee the review and selection of public depositions, with input from CLC members</li> </ul> <p>As meeting coordinators</p> <ul style="list-style-type: none"> <li>• Organize all CLC meetings, including setting Agendas and distribution of meeting information and minutes</li> <li>• Liaise with NextEra Energy Canada to collect and distribute additional information requested by the CLC members</li> <li>• Track CLC and public inquiries regarding the Facility to ensure the following meeting Agendas address relevant inquiries (including public depositions)</li> <li>• Coordinate the posting of any information prepared by or presented to the CLC on NextEra’s website</li> </ul> <p>When a concern is brought forward AECOM is responsible to make it available to NextEra so it can be addressed in a timely manner.</p> <p><b>Question: Why is there not any Council representation at the meeting?</b>            Chair - Municipal council received a letter of invitation but chose not to submit an application.</p> <p>Jim Deitrich (JD) noted that there may be a representative appointed for future meetings. It was noted that the recent elections may have delayed the appointment of a member as these just occurred last week.</p> <p>Nicole Geneau (NG) - Noted that we receive all questions forwarded by the</p>	<p><b>Send minutes of the CLC meeting to the CAOs of Bluewater and South Huron.</b></p>



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<p>Council and want to work with local municipalities.</p>	
<p><b>3. Present Goshen Wind Energy Centre and update on project status</b></p> <p>Chair invited Nicole G. to talk about the Goshen Wind Energy Centre.</p> <ul style="list-style-type: none"> <li>• The Class 4 Wind Facility is being constructed in the Municipalities of Bluewater and South Huron, in Huron County, Ontario</li> <li>• The sixty-three turbines, each with 80 metre towers and three blades up to 50.5 metres in length and the span is 101 metres, will have a generating capacity of up to 102-megawatts, capable of generating electricity to power nearly 25,000 homes</li> <li>• The project consists of turbines, overhead and underground electrical lines, two metrological towers which are 80 metres tall and collect information regarding wind speed and barometric pressure</li> <li>• The meteorological towers are required by Integrated Electricity Operation System (IESO)electrical substation, transformer substation (to connect to the Hydro One transmission system) required roads and the construction laydown area</li> <li>• The Facility, with the exception of some electrical lines, is being built on privately owned land, which can remain in agricultural use</li> <li>• The operation facility will be on Main Street in Zurich and is shared with the Bluewater project. There will be no permanent trailers of offices in the project area; the current facilities will be reclaimed after construction is complete.</li> </ul> <p>There is also an underground electrical cable that connects to the project substation. This is where the electricity generated is gathered and connects to the overhead transmission line. It is designed this way to ensure it can connect to the provincial system.</p> <p>Nicole G. continued to discuss the Planning and Resource processes.</p> <ol style="list-style-type: none"> <li>1. <b>Planning and Resource Assessments</b> <ul style="list-style-type: none"> <li>• <b>Surveying</b> <ul style="list-style-type: none"> <li>• Ongoing</li> <li>• This will happen over the life of the construction project to support various needs and ultimately wrap up after construction with the production of as-built surveys</li> </ul> </li> <li>• <b>Geotechnical Studies and Sampling</b> <ul style="list-style-type: none"> <li>• Complete however there may be more needed as</li> </ul> </li> </ul> </li> </ol>	

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<p>construction continues</p> <ul style="list-style-type: none"> <li>• <b>Archaeological Assessments</b> <ul style="list-style-type: none"> <li>• All fieldwork is complete and all approvals have been received</li> </ul> </li> </ul> <p>Nicole G. then outlined the permits that have been applied for and gained, noting that these were required before construction began.</p> <p><b>2. Permitting and Clearances</b></p> <ul style="list-style-type: none"> <li>• <b>Awarded Feed-in-Tariff contract by the Ontario Power Authority</b> April 2011</li> <li>• <b>Renewable Energy Approval (REA)</b> Issued July 2014</li> <li>• <b>Ausable Bayfield Conservation Authority</b> Received</li> <li>• <b>Upper Thames River Conservation Authority</b> Received</li> </ul> <p>Completed last turbine foundation about two weeks ago (Late November 2014) and have been erecting turbines for the past month). NextEra expects to have completed construction by January, and the project should be operational by late January. Nicole then outlined the construction process and anticipated timing (refer to slide 12).</p> <p>Nicole noted that the wind has delayed the project a bit, but the team has compensated for this by having more cranes ready to construct when the wind is not blowing too much.</p> <p>Nicole then outlined the reclamation process and that NextEra aims to reclaim properties as soon as construction is complete. Nicole noted that NextEra expects most of the reclamation to start in April of next year (2015), as reclamation cannot occur in the winter. Road repairs will occur in the spring to avoid destruction by frost.</p> <p><b>Can you provide more information about the de-commissioning process?</b>        NG - Within the REA process, a decommissioning plan was provided to the MOECC. As part of this, a permit was provided that outlines what we must do. A couple of these conditions stated that a review of the current law must be completed to ensure de-commissioning complies with laws of the day. The decommissioning plan outlines that NextEra is solely responsible to remove the turbines. We have agreements in place with each municipality and will continue to work with them at the time of decommissioning. We are legally required to return the land back to its former productivity.</p>	



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<p><b>Is decommissioning actually going to be happening in 20 - 25 years? Is there a chance that they will continue to operate?</b>            NG - In 20 years the FIT contract ends so at that time we will evaluate the current conditions and market for wind energy. Based on NextEra models, the life cycle of the turbines is 30 years not 20 years, and with other projects in California we have extended the life of the turbines through upgrades.</p> <p><b>What is the first component to wear out?</b>            NG - Generally, it's the gear boxes</p> <p><b>What is the difference between abandonment and decommissioning? What happens if NextEra goes bankrupt?</b>            NG - All of NextEra's projects are financed and the agreements contain language that protects the lender. In the unlikely event that NextEra goes bankrupt, per the REA the lenders are required to step in and continue running the project instead of NextEra.</p> <p><b>What happens if you sell the project? What if the next company does not want to follow the rules?</b>            NG - NextEra has no intention to sell the project; we are a long term owner/operator very invested in continuing to run these projects. As part of the REA, if a project was to be sold, these REA guidelines are binding and would continue to apply to the new company.</p> <p><b>Pat O'Rourke (PO) - My concern is that when a new company comes in and says nothing will change, things often change and people get laid off. That is my main concern.</b></p> <p><b>Hubert Haccius (HH) - These are questions that we get all the time in the coffee shop, our wish is to make sure that we are looked after.</b>            NG - NextEra has sold some coal plants in the Midwest states, and we have also bought other company's wind farms. Just like these projects, we have to abide by the applicable laws.</p> <p>Chair noted that there are binding contracts in place if there is a transfer of ownership.</p> <p><b>Jeff MacFarlane (JM) - NextEra has sold wind projects before and NextEra still operates the wind sites they have sold as we wanted to ensure that these sites are run in the correct manner.</b></p>	



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<p><b>Chuck Ford (CF) - When we entered into the negotiations we were not worried about NextEra, we were more worried about Goshen Wind Co. We are worried that assets can be stripped, and then the taxpayers are forced to chase down the government to ensure our rights are protected.</b>            NG - Goshen wind is not a shell project. All the revenues and profits stay at the project level. All the financing is done in the name of Goshen Wind including the operations and is wholly owned by NextEra Energy Canada.</p> <p><b>CF - We are worried if it was built and there was a serious flaw, the assets (i.e., project components) would be worthless. This didn't happen but that was a major concern.</b></p> <p><b>Regarding the met towers, is there any chance that that information gathered could be made available to farmers?</b>            NG - Information is not shared regarding specific met towers but NextEra does share information with the Exeter Radar station.</p> <p><b>CF - You did mention the laydown yard, going forward please warn the people who live on either end of the laydown yard. My son lives on one end and there is a large amount of traffic in this area and while they have been great and I have no complaints, it's just that we did not expect such a large amount of traffic.</b></p> <p><b>PO - It seems at times there are some mistakes that could be avoided; a major part of the community is against wind energy, and it seems that construction companies did not care about landowners that were not involved in the project. For the last three weeks, you have been working at night and you did not have permission to do this. It would have been simple to go to council to get permission. For the next project it would be good to seek permission in advance.</b>            NG - I would disagree that a majority of people are against the project. The noise by-law lets us work until 9pm but I will follow up with this to ensure we know where this is at. If you have a complaint and have let us know and we have not done anything then that needs to be addressed. But we have to know about it to resolve it.</p> <p><b>Jim Deitrech (JD) - There has been a lot of night work and the communication needs to be better. Regarding roads, we have some roads with winter maintenance only, and there are turbines on these roads. Is the municipality responsible to maintain these roads?</b>            NG - No, that is NextEra's responsibility.</p>	<p><b>NextEra to provide details regarding Noise By-Law and work performed at night.</b></p>



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<p><b>JD - Some of these roads have snowmobile trails on them. How do we work with them to ensure everyone’s safety?</b>            NG - In our development agreement with South Huron we have a commitment to work with the South Huron Snowmobiling Association. This is a good reminder.</p> <p><b>CF - I am the president of the Pine Ridge snowmobile club and you can contact me. In the past meetings I didn’t know who to get in touch with; can you provide a list of contact people for landowners?</b>            NG - You can follow up with Jeff regarding snowmobile routes, and I will be sure to provide my number (see below). You can also contact your land representative to get this information.</p> <p style="text-align: center;"><b>NextEra Energy Canada, ULC</b>  <b>390 Bay Street, Suite 1720</b>  <b>Toronto, ON M5H 2Y2</b>  <b>Toll Free Phone: 1-877-257-7330</b>  <b>Main Office Line: <i>to be updated in FINAL version of minutes</i></b>  <b>Email: <a href="mailto:goshen.wind@nexteraenergy.com">goshen.wind@nexteraenergy.com</a></b>  <b>Website: <a href="http://www.NextEraEnergyCanada.com">www.NextEraEnergyCanada.com</a></b></p> <p><b>Frank Palen (FP) - Regarding the money that is paid to the municipality, how is South Huron going to benefit? Is this for road construction or de-commissioning? Is it going to benefit the community?</b>            NG - The agreement with the municipality for the Community Vibrancy Fund (CVF) is public information and should be on the municipality’s website. This money does not go to fix roads or to the de-commissioning process. We do not direct how the money is spent but we intend it to benefit the community as a whole, in addition to the money that we already contribute.</p> <p><b>FP - I have this information already but I also have affidavits from people who have been involved in stray voltage.</b>            NG - Stray voltage is not a wind energy issue, it is an electricity issue. I can provide information relating to wind energy and how this project connects to the energy grid system. If there are issues (although not expected) we will undoubtedly work with the affected people to ensure the problem is solved. I can provide more information regarding stray voltage for the community at the next meeting.</p>	<p><b>NextEra to connect with South Huron Snowmobile Association</b></p> <p><b>Include Stray Voltage as a discussion at next meeting.</b></p>



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<p><b>HH - I had issues with stray voltage about 10 years ago and we could not find a solution. My understanding is that this was not an issue related to wind energy. The wires needed to be buried to avoid the issue.</b></p> <p><b>Cathy Seip (CS) - I get quite a bit of private messages regarding the community’s discontent about the project, when the roads were not repaired in other projects.</b></p> <p>NG - There are not legal requirements to have road agreements with municipalities, and there are municipalities that have decided to not enter into these agreements. Even without these agreements, we still repair the roads after we have completed activities in the region. My understanding is that the timing of the repairs was not communicated but that the repairs were completed.</p> <p><b>SF - How long does that go on for?</b></p> <p>NG - There is typically a 24 month timespan after construction that we commit to. The securities that we agree to state 24 months.</p> <p><b>Stephen Boles (SB) - Follow up on the CVF, I was looking at the municipality website and I could not find it. Can you point me in the right direction? I found one with Haldimand-Norfolk County. It’s stated that it would be addressing expenditures of community services, roads and municipal infrastructure. I understand that it is about \$400,000 per a year. I understand that we are in debt and this money needs to be directed to this, but how do we know much is directed to each initiative? Should we be lobbying council about this?</b></p> <p>NG - The CVF should be in the Agenda or minutes that were approved. For South Huron it should be about \$316,000 per year and Council should be contacted to provide input on how this money is awarded.</p> <p><b>Gary Eagleson (GE) - If the community has an integrated sustainability plan, they then have access to the Green Fund which is administered by the Ontario Municipalities fund; this fund has about \$800 million. Southern Ontario has about \$550 million of that fund and unfortunately this money is not being spent. The CVF could be allocated as the 10% of funds to help people apply for funds of \$300 million a year. The CVF is a great opportunity to access this green fund.</b></p> <p>NG - I encourage all members to speak with council to ensure money is efficiently spent.</p>	<p>Provide further information related to the CVF for CLC meeting #2.</p>



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<p><b>4. Discuss construction process</b></p> <p>Nicole G. continued to discuss slide 13, Local Labour:</p> <p><b>Construction Stats</b></p> <ul style="list-style-type: none"> <li>• General Contractor is Borea Construction Canada</li> <li>• At least 16 Huron County companies used (subcontractors and suppliers) on the Goshen project</li> <li>• There were nearly <b>\$4M</b> in contracts with subcontractors and suppliers within Huron County</li> <li>• Peak volume of individuals on site including subcontractors was around 250</li> <li>• Indirect economic benefits have not been measured, but local hotels, restaurants, home improvement stores, gas stations, machine shops, pubs and grocery stores have seen an increase in business since the start of the project</li> </ul> <p><b>Projected Economic Impact</b></p> <p>Construction Jobs: 250 at peak            Full Time Operations Jobs: 8 - 10            Capital Expenditures: \$275 Million            Corporate Income Tax: \$168 Million*            Landowner Payments: \$23 Million*</p> <p>People hired will be local and based out of the Zurich office. We are in the process of conducting an indirect economic benefits study to determine the total benefits of the project. It has been complicated to scope but at the very latest it will be provided for the 3<sup>rd</sup> meeting.</p> <p><b>AB - I have not seen any ads for the wind technician positions, did I miss this? Is this Canadian training or from U.S.?</b></p> <p>Jeff McFarlane (JM) - We have hired most of our techs and have largely taken from local areas. There are programs across Canada and locally in Fanshawe and the Kingston region. NextEra also has a training program that we run all technicians through.</p> <p>Derek Praught (DP) reviewed the construction process on slides 14 and 15. Derek noted that all foundations were poured according to winter weather regulations to ensure they were up to regulations.</p> <p>Nicole asked if there were any questions regarding Construction.</p>	<p><b>Provide indirect economic benefits at 3<sup>rd</sup> CLC meeting</b></p>



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<p>As an update, we have about 35 towers erected and are about halfway through the process.</p> <p><b>AB - Are there plans to construct any new projects or expansion plans?</b>            NG - At this time, no. If it were to happen, we would have to start the consultation and planning process from the start.</p> <p><b>PO - In other projects, did you go onto to expand?</b>            NG - Not in Ontario.</p> <p><b>CF - Did you use all of the alternate sites?</b>            NG - We ran into issues with two of the sites, so we had to use two of the alternates. The REA is for 66 locations but we are only authorized for 63. We permit for 66 in case there are limitations with certain sites.</p> <p><b>GE - I noticed that one of the turbines was turning. Why is that?</b>            DP - GE is conducting pre-commissioning right now and this is done with a generator. After this process is completed and we know that the turbine is running up to specifications, it can be finalized. When all project infrastructure has been commissioned, it can then be connected to the system and start producing electricity.</p> <p><b>AB - Is there any chance that our local power prices can be reduced as we live locally.</b>            NG - While in theory this would make sense, the way the system works in Ontario is that all power goes into a mutual bucket (called the postage stamp system, same cost for all). Considering the amount of electrical infrastructure upgrades that are required (not solely related to wind energy), I imagine that electrical costs will be increased.</p> <p>Jeff M. continued to discuss the Operations on slide 16.</p> <p><b>Operations</b></p> <ul style="list-style-type: none"> <li>• The operation phase will be approximately 25 years and the operations building, in the Municipality of Bluewater, will require full time staff (i.e., site supervisor and wind technicians)</li> <li>• Turbines will require scheduled maintenance (i.e., oil change, gearbox cleaning and lubrication, replacement of worn parts). Routine preventative maintenance activities will be scheduled as required, in</li> </ul>	



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<p>accordance with manufacturer requirements</p> <ul style="list-style-type: none"> <li>• There are also un-schedule repairs which are serviced in a timely manner and in compliance with the agreements in place</li> <li>• Spill prevention best practices utilized during the Construction Phase will also be implemented during operational maintenance</li> <li>• If unscheduled maintenance of a turbine is required (i.e. component failure), then the turbine will be taken out of service until the repair is complete. Larger trucks and cranes may be required periodically for larger repairs, but this is expected to occur infrequently</li> </ul> <p><b>PO - So if you have to change a gear box, one of the large cranes will be required?</b>            JM - Yes that is correct, and when we bring in the crane permits are required.</p> <p><b>CF - If you have to go outside the access roads will landowners be consulted?</b>            NG - Yes, depending on what is needed we would be certain to have a discussion the landowners where access is required.</p> <p>Jeff M. continued to review Operations</p> <ul style="list-style-type: none"> <li>• To monitor subsystems within each turbine and the local wind conditions, a comprehensive control system is installed and networked to the local operator and to NextEra’s central operations centre (staff on-site 24/7). The operations building will be notified if an event occurs outside a turbine’s normal operating range, and the turbine will be shut down. Turbines can be controlled remotely from the central operations centre</li> <li>• Operation decisions based on meteorological data include turbine shut down under icy or extreme weather, and cut-in and cut-out wind speed</li> </ul> <p><b>GE - How is the remote monitoring done?</b>            JM - Every turbine has the ability to measure conditions and this is communicated via a fiber optics system.</p> <p>NG - We have an algorithm that has been formulated to predict icing and bad weather conditions so that the turbine shuts down in advance of issues developing.</p> <p><b>GE - In an extreme weather condition, how is the need to shutdown communicated if the fiber optics lines are shut down?</b>            JM - Each turbine independently reacts to extreme weather. The shutdown</p>	



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Item Discussed	Action
<p>speed is 90 km/hour.</p> <p><b>CF - Do you know how efficient the turbines are?</b>            NG - The availability rate is one factor and that has to be 88-89%, 80 to 85% of the time the turbine is creating some sort of electricity. The 30-35% rate you mentioned is measured as an annual rate. From 2007 to now there has been improvement with the machines with specific focus on reducing sound output while increasing efficiency. The blades are created to reduce sound.</p> <p><b>SB - I was unaware of the capacity aspect. The whole project is 102 megawatts but on a given year you expect it only to produce 40 megawatts. Does NextEra get paid for the 102 or the 40?</b>            NG - NextEra gets paid for whatever we produce.</p> <p><b>SB - What is the reason for the production of only 40 megawatts?</b>            NG - The efficiency of the machine impacts this production and not the peak demand of the electrical grid. The efficiency of coal plants is about 30-32%, so in comparison wind energy is more efficient than this. It's just a function of energy production efficiency.</p> <p>JM - If the wind blew at 100% wind speed production all the time, we would produce 102 megawatts/hour. Due to wind speed variations, we expect to produce an annual average of only 40% of that.</p> <p><b>AB - Is there any plans for battery storage?</b>            JM - Information regarding battery storage can be provided at the next CLC meeting.</p> <p><b>PO - The energy you are producing has to be fed into the grid, no matter what is being produced it must be fed into the system?</b>            JM - Yes this is correct, the IESO monitors this and ensures that power in equals the power out. The IESO can call us and direct us to shut down and we have to comply.</p> <p><b>CF - In your contract are there not minimums that they are obligated to take?</b>            NG - No there are maximums that they are required to pay. NextEra has to compensate for the time delayed. The technical term is curtailment, and there is a maximum amount that we can be curtailed. All of the wind projects share curtailment.</p>	<p><b>Provide more information regarding battery storage (of power) for CLC #2</b></p>



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Item Discussed	Action
<p>Jeff M. continued to discuss potential concerns regarding the event of a turbine fire (slide 17).</p> <p><b>Construction and Operations- Local Concerns</b></p> <ul style="list-style-type: none"> <li>• <b>Turbine Fire:</b> Fire prevention is a key element in wind turbine design with fire prevention systems and other controls. In the unlikely event that a fire should occur, the operator’s instruction to plant staff and to local fire fighters is to establish a safety exclusion zone around the structure to provide protection to the plant staff, landowner and the public</li> <li>• The operator will work with local fire fighters on fire protection procedures and protocols and these will be communicated with the local community</li> </ul> <p><b>FP - Have you been in contact with the local fire departments?</b>            NG - We have spoken with fire departments of both municipalities but training has not occurred yet. We do have an emergency response plan with the Municipality of Bluewater and we are working with first responders in the South Huron area.</p> <p>JM - We do train our staff for high angle rescue as NextEra is responsible to ensure the safety of our employees.</p> <p><b>CS - How many steps up to the top?</b>            JM - Going straight up there are 280 rungs on the ladders with two floors, once you get halfway up you switch over to the next ladder portion.</p> <p><b>GE - For the landowners that see something abnormal, what is the procedure for getting in contact with people?</b>            JM - If there is a significant issue (i.e.fire) call 911. If you hear something that is out of the ordinary, please call us at the 1-800 number, <b>1-877-463-4963</b>.</p> <p><b>CF - Where is this number going to be posted?</b>            This number is available on the NextEra website.  <a href="http://www.nexteraenergycanada.com/projects/goshen.shtml">http://www.nexteraenergycanada.com/projects/goshen.shtml</a></p> <p><b>GE - A lot of the anti-wind turbine people mention bird kills. I have heard that each turbine kills 1.6 birds per a year. If we as landowners find birds that have been killed should we collect them?</b>            Bourke Thomas (BT) - We have a protocol in place that looks for bird mortalities</p>	

Item Discussed	Action
<p>and there are calculations to address these mortalities. The wind technicians do a preliminary search every time they visit the site. If you see something of interest please call us, but please do not pick it up.</p> <p>Jeff M. continued on slide 17 to outline the complaint resolution process.</p> <p><b>Complaint Resolution Process</b></p> <ul style="list-style-type: none"> <li>The Ministry of the Environment and Climate Change has approved the process whereby Goshen Wind will address and work towards resolving any and all complaints that are received from the public. Should any complaints arise from the construction, operations, and decommissioning phases, a Project rep will contact the complainant within 24 hours to understand and seek a resolution. The project rep will notify the MOE district office of the complaint and prep/file an initial Complaint Record</li> <li>Additional information about this process can be found in Design and Operations Report on the Project website:  <a href="http://nexteraenergycanada.com/pdf/goshen/Goshen_D&amp;O_Rpt_Final_Part2.pdf">http://nexteraenergycanada.com/pdf/goshen/Goshen_D&amp;O_Rpt_Final_Part2.pdf</a></li> </ul> <p><b>BD - What happens with delinquent bills relating to tax costs associated with wind development?</b></p> <p>NG - To be honest we were a bit caught off guard by the tax bill and we are working towards addressing this bill as soon as we can. It is difficult for EMPACT to bill us directly as the taxes are attached to a PIN number that relates to the landowner and we are working to reimburse people who have paid. As we move forward we hope to get in front of this to ensure that this is addressed in advance.</p> <p><b>CF - Related to financing, I am looking forward to getting much more detailed information for the monies that we are receiving.</b></p> <p>NG - I am meeting with that group next week and am working to resolve this.</p> <p>Chair noted that we have addressed all the potential questions listed on slide 18.</p> <ul style="list-style-type: none"> <li>How will residents and landowners' concerns be addressed during construction?</li> <li>Does NextEra foresee any future/additional land requirements?</li> <li>Potential for community funding/community improvements?</li> </ul>	



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Item Discussed	Action
<p>Nicole then spoke to the CVF and that NextEra is developing the CVF with Bluewater but has already finalized the agreement with South Huron. This being said, NextEra is involved in the community and please send your requests for funding to NextEra as we want to ensure that these are considered.</p> <p><b>GE - At the Rotary, the Northland group noted that they are not putting a constant red blinker on the turbines and they are using a system that only turns on when airplanes are in the vicinity. Why has NextEra chosen not to use this system?</b></p> <p>NG - As part of our permitting process, we had to submit the lighting plan to Transport Canada and then they determine what lights are to be used. To our knowledge there is no approved lighting system in place that we can use. We have explored a lot of options for lighting but the bottom line is that we need to follow the guidelines set out by Transport Canada.</p> <p><b>GE - My hope is that when it is changed in the future, upgrades are made. It could be that this Committee makes a suggestion to Transport Canada about better ways for this.</b></p> <p><b>CF - I agree with Gary, we are trying to promote these turbines, but this is an impact and we would hope for this to be addressed as the project evolves.</b></p> <p><b>SB- When you are in negotiations with Bluewater, can you require that when they use the money (CVF) (whether it's used for funding a park or street planting or whatever they would like to use it for) that they have NextEra listed as a sponsor; to ensure that people are aware of NextEra's efforts and to help build positive press.</b></p> <p>NG - They are required to give us appropriate representation. This being said, NextEra isn't looking to be the company with their name on the building but we do appreciate the potential to build positive press.</p> <p>Chair asked if there are any additional items.</p>	<p><b>Provide additional information on lighting requirements, and any options available.</b></p>
<p><b>5. Information requests and items to be discussed at future CLC meetings</b></p> <p><b>CF - Are you open to tours when the project is operational?</b></p> <p>NG - Yes we have done this in the past and we are open to groups like the Lions Club or the Rotary taking a tour. This being said we do not offer people the opportunity to climb up the towers due to safety.</p> <p>Chair noted that we will be in contact about timing for future meetings and</p>	



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Item Discussed	Action
<p>urged members to be in contact if there are any questions or suggestions for future meetings.</p> <p><b>PO - What is the role of AECOM?</b>            AF - We facilitate the meeting and are hired as a third party.</p> <p>Chair proposed the Second CLC meeting to be held at the end of March or early April.</p> <p>Chair noted that there is an opportunity for members of the public to present a deposition to the Committee and outlined the process.</p>	
<p><b>6. Depositions, if any requests received</b>            None were submitted.</p>	

PARKING LOT

Parking Lot Topic	Response / Action
Send minutes to the CAOs of Bluewater and South Huron.	AECOM will send the Meeting Summary for CLC meetings to the CAOs of Bluewater and South Huron.
Provide details regarding noise by-law and working at night.	NextEra to provide details regarding Noise By-Law and work performed at night.
Indirect economic benefits of projects.	NextEra to provide results of indirect economic benefits study at 3rd CLC meeting.
More information regarding stray voltage.	NextEra to provide for CLC meeting No. 2.
Provide further details about the CVF.	NextEra to provide for CLC meeting No. 2.
Invite a Hydro One Representative at the next meeting.	NextEra will invite Hydro One to CLC meeting No. 2.



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Parking Lot Topic	Response / Action
More information desired on the topic of battery storage.	NextEra to provide more information regarding battery storage (of power) for CLC meeting No. 2.
Provide more information on speeds that are required to operate (make energy) and what shutdown speeds are.	Information provided in Meeting Summary (pg. 13).
Provide 1-800 number.	Information provided in Meeting Summary (pg. 14).



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# Appendix A

## List of Attendees (CLC Members)



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COMMITTEE MEMBERS		
Name	Organization / Role (if any)	Attendance
Jim Deitrech	Resident / Landowner within 1km of the project	Present
Frank Palen	Chair of the Huron Manufacturing Association (HMA) Member of the South Huron Chamber of Commerce	Present
Chuck Ford	Resident / Landowner within 1km of the project	Present
Steve Finkbeinner	Farmer County Resident / Landowner	Present
Cathy Seip	Interested and concerned citizen	Present
Pat O'Rourke	Landowner and real estate agent in the Community	Present
Allan P. Barnes	Lives in Shipka; operates the local drive in theatre, and is interested in learning more about wind energy and the project.	Present
Hubert Haccius	Lives in Shipka; is a former pig farmer and a participant in the project. Would like to contribute to the conversation and also learn.	Present



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Stephen Boles	Exeter resident; invited to participate as the President of the South Huron Chamber of Commerce.	Present
Bill Dowson	Resident of the Municipality of Bluewater; served 30 years on municipal council, and wants to help contribute to the community working together	Present
Gary Eagleson	Business owner and Landowner	Present
Arnold Kester	Farmer / Landowner	Not Present