



DNV·GL

Nation Rise Wind Farm

Community Liaison Committee (CLC)

Meeting Minutes for CLC Meeting #3 – Held on 5 September 2019, 6:00 p.m. – 8:00 p.m. at Chrysler Community Centre (16 3rd St, Chrysler, ON, K0A 1R0).



1 ATTENDANCE, INVITATION AND AGENDA

Attendance

The following Community Liaison Committee (CLC) members attended the CLC meeting held on September 5th, 2019, 6:00 p.m. – 8:00 p.m. at Chrysler Community Centre (16 3rd St, Chrysler, ON, K0A 1R0) for the Nation Rise Wind Farm (the “Project”):

Table 1-1: CLC Member Meeting Attendees

Organization	Name	Presence
Member of the Mohawk of Akwesasne	Morgan McDonald	Present
Local Resident and Treasurer of the Berwick Recreation Committee	Amy Sanders-Michaud	Present
Local Resident	Judy Tessier	Present
Public Works Superintendent at the Township of North Stormont	Blake Henderson	Present
Councillor of the Township of North Stormont	Steve Densham	Present
EDP Renewables	Ken Little	Present
EDP Renewables	Nathan Roscoe	Absent
DNV GL	Gabriel Constantin (Chair and Facilitator of the CLC)	Present


Moreover, approximately 5 members of the public attended the CLC meeting. Other supporting staff present included:

- Adam Morrill – Community Liaison DNV GL;
- Ashley Mascarenhas – EDP Renewables;
- Hersh Jayaswal – EDP Renewables; and
- Emily Hughes – EDP Renewables.

Invitation

Prior to the meeting, an invitation notice was published on the Project website, township and county offices, and in the following papers:

- Cornwall Standard Freeholder (August 21, 2019);
- Chesterville Record (August 21, 2019); and
- Indian Times (August 22, 2019).



The notice is included in Appendix A. The presentation for this CLC meeting is included in Appendix B.

Agenda

An agenda was distributed to the CLC members prior to the meeting. The agenda of the meeting, as shown in Appendix A, was as follows:

1. CLC Member Introductions
2. Construction Activities Updates
3. Upcoming Construction Work
4. Project Schedule Updates
5. Monthly Construction Open Houses
6. Feedback on Project Construction Updates Website
7. Public Enquiries and Discussion
8. Proposed Meeting Agenda and Discussion Items for Next Meeting

The following sections summarize the discussions and questions related to the above agenda items that were addressed during the meeting.



2 CLC MEMBER INTRODUCTIONS

Following the presentation of the meeting agenda, the meeting began with the re-introduction of the CLC members. Each member was asked to share the following information to the CLC:

- Name;
- Their location relative to the Project; and
- Organization represented.

Nathan Roscoe, a Member of EDP Renewables, was absent from this meeting.

The purpose of the Community Liaison Committee is to facilitate two-way communications between the Proponent and members of the public with respect to issues relating to the construction, installation, use, operation, maintenance and retirement of the Project. It provides a forum for the Proponent to give regular updates on, and to discuss issues or concerns relating to, the construction, installation, use, operation, maintenance and retirement of the Project with members of the public. And it ensures that any issues or concerns resulting from the construction, installation, use, operation, maintenance and retirement of the Project are discussed and communicated to the Proponent. Applications are still being accepted for review for any members of the public interested in participating.

Ken Little provided a Project status update. The Project was granted its Renewable Energy Approval on May 4th, 2018 and is currently in late stage development completing final crossing agreements with local utilities and permitting with the United Counties of Stormont, Dundas and Glengarry, the Township of North Stormont and the South Nation Conservation Authority.

A turbine from the manufacturer Enercon GmbH was chosen and has the following characteristics:

- Turbine Model: E-138 – up to 3.44MW NR2;
- Hub height: up to 131m; and
- Blade Length: up to 69m.

Turbine components were manufactured in Germany and are currently being delivered to the Port of Johnstown. Turbine transportation will be comprised of approximately 19 loads per tower. MECP approved that the turbines meet Conditions A9 of the REA and are acoustically equivalent to the turbine contemplated in the REA permit as of August 16th, 2019. The E-138 NR2 has a sounds power level of 104.3 dBA, lower than the previously permitted acoustically equivalent wind turbine that has a sound power level of 105.8 dBA.

3 CONSTRUCTION ACTIVITIES UPDATES

3.1 Summary of Presentation

Ken Little presented an update on the construction activities occurring at the Project facility.

Civil Works

Permanent access roads are 98% complete with only some road capping left to be completed. Entrance construction is 87% complete (27 out of 31). Temporary roads for the Project are 58% completed.

Foundation Works

Excavation work for turbine foundations is 66% completed, with excavation complete for 19 of the 29 wind turbine foundations. Rebar installation is complete for 7 out of the 29 turbines, with 24% completion in total. Foundation pours are complete for 7 out of the 29 turbines, at 24% completion.

Collection Infrastructure

Cable and junction box installation for the Project is 28% complete. The methods for cable installation used include directional drilling, rock trenching, and plowing.

Substation Works

Excavation efforts for Project substation set-up has been fully completed. Foundation installation and electrical house installation are also both 100% completed for the Project substation. Steel structure installation and grounding are near completion, both activities are 90% complete.

3.2 Related Questions and Answers

Q: Will you have an office at the Project substation? Will there be people on staff at the substation?

A: The Project will not have an office directly at the Project substation. The operation and maintenance building currently used for South Branch Wind Farm will also be used for Nation Rise Wind Farm. There will not be workers constantly located at the substation; however, routine maintenance will occur at the substation.

Q: Can you please talk about the acoustic audits that will occur during operation?

A: As per REA, an Acoustic Audit – Immission (I Test) of the sound levels produced by the operation of the Project must be completed. The I Test will measure the sound levels at worst case receptors and will be completed in accordance with the latest version of Ontario’s Compliance Protocol for Wind Turbine Noise. Moreover, an Acoustic Audit – Emission (E Test) of the sound power levels produced by the wind individual turbine generators will be completed. It is an audit of the “sound sources”. The E Test will be completed in accordance with the CAN/CSA Standard C61400-11:07.

Q: Will temporary roads required for the construction phase be used once the construction of the Project is completed?

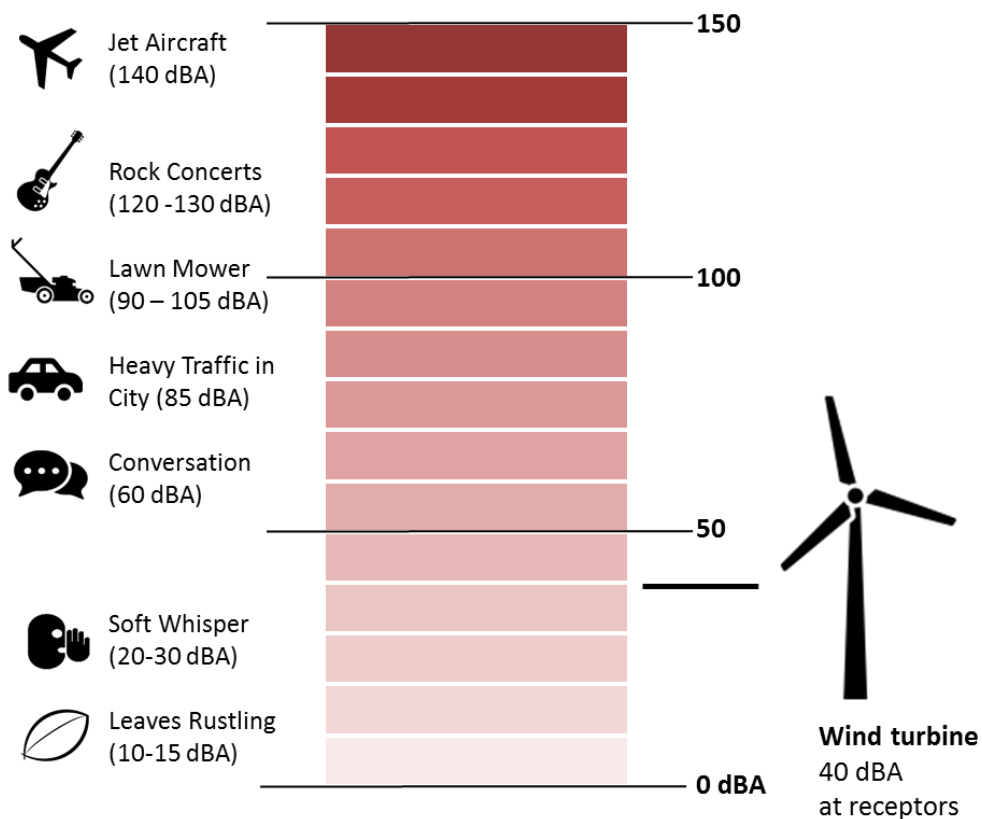
A: Likely not, unless major maintenance is required at a wind turbine.

Q: Can you describe the requirements of South Nation Conservation Authority in relation to drainage in flood plains?

A: The Project is not located within SNCA flood plains. All culvert installation is completed in accordance with SNCA requirements.

Q: Could you please described what 40 dBA (sound level limit) is like compare to other typical sounds?

A: The sound level limit of 40 dBA is quieter than a normal conversation between two persons. Please see figure below for comparison.





4 UPCOMING CONSTRUCTION ACTIVITIES

4.1 Summary of Presentation

Ken Little described the upcoming construction work that will be completed for the Project. The following construction activities are anticipated to occur next:

- Transformer delivery – Beginning the week of September 9th, 2019;
- Crane mobilization - Beginning the week of September 9th, 2019; and
- Turbine tower and blade deliveries - Beginning the week of September 16th, 2019.

Turbine erection and commissioning are planned to be completed shortly after turbine deliveries. Moreover, continued foundation excavation and foundation work are occurring at the site. Finally, electrical work for the collection system and substation are ongoing. The website contains all the details about the next construction activities and is updated on a daily basis:

<https://updates.nationrisewindfarm.com>.

4.2 Related Questions and Answers

Q: How many cranes will be needed per turbine site?

A: Typically, one regular crane and one specialized crane for wind turbine installation will be needed per site.

Q: Is the delivery of turbine and construction material occur during the day only?

A: The Ministry of Transportation (MTO) is requiring delivery during the day only. The county and township have also required delivery to be completed during the day.

5 PROJECT SCHEDULE UPDATES

5.1 Summary of Presentation

An updated Project construction overview and anticipated start date was presented, as shown in Table 5-1.

Table 5-1: Anticipated Project construction schedule

Construction Activity	Anticipated Start Date
Site Clearing and Preparation	Late February 2019
Access Roads to Turbine Locations	June 2019
Turbine Foundations	July 2019
Underground Collection System	August 2019
Turbine Deliveries	September 2019
Turbine Installation	September 2019
Turbine Commissioning	October 2019
Land Restoration	Spring 2020
Commercial Operation	February 2020

5.2 Related Questions and Answers

Q: Did the commercial operation date (COD) move from December 2019 to Q1-2020?

A: Yes, COD was push back because of delivery and construction delays.

Q: Is it normal to start the partial operation the project prior to the completion of some tests?

A: Yes, it is typical. Several tests must be completed (e.g. substation test, communication with IESO, Bell lines, etc.) and some of them are completed once the equipment is operating.

6 MONTHLY CONSTRUCTION OPEN HOUSES

6.1 Summary of Presentation

Ken Little and Gabriel Constantin explained that two monthly construction open houses have been held since the last CLC meeting: one on Thursday, July 4th 2019 and the other on Thursday, August 8th 2019. Both open houses were held at the Chrysler Community Centre from 6:00pm to 8:00pm. EDPR held the construction update open houses to provide a forum for construction and schedule updates, meeting with the construction team, and to answer questions related to construction of the Project. These open houses are open to the public and hosted by the construction team on a monthly basis during the active construction of the Project.

Attendance at each meeting was approximately seven to ten members of the public, seven to eight EDPR representatives, around two CLC members and several members of the press. At the meetings, EDPR provided poster boards covering general construction topics, discussed projections for the two-day lookahead and anticipated construction work, and provided handouts such as project sheets and the public inquiry register.

Notices for the open house sessions were posted on the Project website, at the Township office, as well as advertised in the Chesterville Record, Indian Times, Nation Valley News, and Cornwall-Standard Freeholder. The open house notice for the August 8th session was also distributed by e-mail to those who provided e-mail addresses on previous sign-in lists for REA and CLC meetings; this practice will continue for future open house events.

Ken Little and Gabriel Constantin asked the CLC members for guidance or suggestions for ideal open house locations, ideal timing, and ways to create more effective engagement at these meetings. The main objectives of the meetings are to provide construction updates as well as an open forum for questions from interested members of the public.

Positive feedback was provided by the CLC members about the monthly construction open houses, including the following:

- Quality of interactions, questions, and staff present is high. While not many people are attending, the residents who do come are able to report back accurate information to the broader community.
- The monthly construction open houses are useful and should go on two more months before reevaluating (i.e. October and November 2019).
- A CLC member that the municipal council is appreciative of these open houses; it highlights the good faith of EDPR and the people who are coming and asking questions/providing input.
- CLC members agreed that consistency is good and that the venue in Chrysler is easily accessible and centrally located. Finch could be a good alternative as well.

7 FEEDBACK ON PROJECT CONSTRUCTION UPDATES WEBSITE

7.1 Summary of Presentation

Along with providing monthly construction open house meetings, EDPR has developed a construction updates website to make all construction updates accessible at all time. The website is also a good resource for those who want to review the information after in-person meetings and for those seeking the opportunity to ask additional questions to the Project team and maintain engagement with the Project. The website can be accessed using the following link: <https://updates.nationrisewindfarm.com>.

Components of the construction updates website include contact information with multiple ways to reach the Project team, a two-day look ahead showing immediate upcoming construction activities, an activity map of the Project area, and weekly schedules showing anticipated construction activities for the forthcoming weeks.

Ken Little and Gabriel Constantin asked the CLC members for feedback on the construction updates website and the following feedback was received:

- Impressed that it is so easily accessible and clearly identified. Only one click has to be made from the main Project website to access the construction updates webpage.
- CLC members agreed that it is a great way to know what is happening.
- A CLC member was asking if more detail on the resident experience could be added for certain activities for the 2-day look ahead. For instance, if several trucks are brought during foundation pouring, a description about the heavy traffic could be added.
 - Ken Little indicated that construction manager will look into increased signage for traffic.
- A CLC member indicated that she often receives questions from members of the public and that she refers them to the construction website when adequate, answers questions directly or refer back to the Gabriel and Ken when she doesn't know the answer.
- CLC members also appreciate the Public Enquiry Form, where questions received are answered and provided to the public.

8 PUBLIC INQUIRIES AND DISCUSSION

8.1 Summary of Presentation

The Public Inquiry Form is available on the Project website and at the township office and should be submitted at least four days prior to a CLC meeting in order to be discussed at that meeting. The Public Inquiry Form should be submitted to the Project email address (nationrise@edpr.com) or mailed to the following address:

Nation Rise Wind Farm Limited Partnership
219 Dufferin St. Unit 217C,
Toronto, Ontario M6K 3J1

Two public inquiries were submitted prior to the CLC meeting through the Project email address (nationrise@edpr.com):

First Public Inquiry:

There has not been a lot of public participation in the CLC nor little in the way of timely communications from EDPR or CLC members other than from one councilor acting more in that role than on behalf of the CLC. There seems a disconnect between the stated mandate of the CLC members to [sic] "act as a liaison facilitating two way communications between the project and members of the public to ..." vs. the heading in the published CLC notices which say "Open to the Public for VIEWING" as well as the last paragraph which says that the "CLC meeting is open to the general public for OBSERVATION". Why does the title and referenced paragraph seem to discourage 2-way communication and dialogue and can it/should it be restated to encourage the CLC mandate?

Response:

The Proponent has implemented a number of actions to encourage two-way communication. We are assuming that you are referring to the public notice when using the quoted verbiage in the above question. Please let us know if this is not the case. The CLC meeting summaries are provided on the Project webpage, as required per the REA. Members of the CLC representing the public have been participating in conversations with the Proponent while asking questions about the Project often. The CLC members have also act as liaison with the community on a daily basis by answering questions from local residents as they arise. The CLC meetings and open houses are also advertised on the Project webpage, local media outlets and the township office to encourage public participation.

Furthermore, the Proponent has held multiple open houses since requested by council on behalf of the township, which is going well beyond what is required or typical for a project of this size. The Proponent has also brought in a separate community liaison team member to service questions and community interactions in order to help facilitate communication with the public. Further to that, the Proponent has provided a monthly tracker of enquiries with responses to the public, which can be found on the Project webpage and in-person at the CLC meeting. The advertisement instructs members of the public to submit questions to be reviewed at the CLC meeting. This encourages 2-way communication between the Proponent, the CLC, and the member of the public. The Proponent does not agree that two-way communication is being discouraged.


First Public Inquiry Con't:

I'm aware of at least one FOI for information by a member of the public has been opposed by EDPR at every step and has been deliberately dragged out despite an offer to accept blackout of all business sensitive information. My request for more detailed information on the ACTUAL foundation design for each turbine location and the substation was met with a response to submit a FOI to the township. Why can this information not be readily provided and if a FOI was submitted would EDP also oppose it?

Response:

As per the response to the MECP, the Proponent will not be able to provide the detailed engineering drawings of the turbines or associated foundation design as this information contains proprietary structural design information from the turbine manufacturer, which we are not allowed to disclose publicly. We can only provide the general quantity ranges for the foundations. In general, the amount of concrete per foundation footing will range between 859 cubic metres to 896 cubic metres. The total amount of rebar associated with each turbine footing will range between 80 and 91 metric tonnes. The proponent provided foundation drawings to the township as part of the building permit application.

Second Public Inquiry:

Hello. As a member of the community I am concerned about openness and transparency in regards to the best interests of the community. As such I would appreciate full disclosure of all questions and complaints to date and your response or resolution and if not; why not. Please provide a response in a public forum without editing this question. Thank you.

Response:

All complaints received by the Proponent are submitted to the MECP as per the REA regulation (Conditions W and X). The complaints submitted usually include private information regarding the individual making the complaint. The Proponent will not be releasing this information to members of the public in this forum. Should a member of the public want to view these complaints, we suggest contacting the MECP directly. Enquiries (questions) from the public are included in the enquiry register that can be found on the Project webpage. We encourage members of the public to review the enquiries register and the REA Consultation Report for responses to questions that may have been previously addressed.



9 PROPOSED MEETING AGENDA AND DISCUSSION ITEMS FOR NEXT MEETING

9.1 Summary of Presentation

In discussion with the CLC members, it was decided that the following topics should be considered for the next CLC Meeting:

- Construction Update;
- Revised Project Schedule;
- Continuity of the Monthly Open House;
- Continuity of the CLC and additional meetings;
- Other topic mentioned included: fire safety, sound perceived and acoustic audits, discussion around operations.

The exact list of topics will be confirmed through an agenda shared by the CLC members prior to the fourth CLC meeting. The fourth CLC meeting is anticipated to occur closer to November 2019.



APPENDIX A – INVITE NOTICE AND AGENDA



APPENDIX B – PRESENTATION



ABOUT DNV GL

Driven by our purpose of safeguarding life, property and the environment, DNV GL enables organizations to advance the safety and sustainability of their business. We provide classification, technical assurance, software and independent expert advisory services to the maritime, oil & gas and energy industries. We also provide certification services to customers across a wide range of industries. Combining leading technical and operational expertise, risk methodology and in-depth industry knowledge, we empower our customers' decisions and actions with trust and confidence. We continuously invest in research and collaborative innovation to provide customers and society with operational and technological foresight. Operating in more than 100 countries, our professionals are dedicated to helping customers make the world safer, smarter and greener.