

ROMNEY WIND ENERGY CENTER

Consultation Report - Appendix E

Agency and Other Stakeholder Consultation Records



Conservation Authority

Breadner, Leslie

From: O'Neill, Nancy
Sent: Tuesday, January 17, 2017 3:05 PM
To: Breadner, Leslie
Subject: FW: Romney Wind Energy Centre
Attachments: SiteOuterBoundary_800833_Romney_150828.sbx; SiteOuterBoundary_800833_Romney_150828.shp; SiteOuterBoundary_800833_Romney_150828.shx; SiteOuterBoundary_800833_Romney_150828.cpg; SiteOuterBoundary_800833_Romney_150828.dbf; SiteOuterBoundary_800833_Romney_150828.prj; SiteOuterBoundary_800833_Romney_150828.sbn

Follow Up Flag: Follow up
Flag Status: Flagged

From: O'Neill, Nancy
Sent: September-23-16 3:34 PM
To: 'Mike Nelson'; RomneyWind@edf-en.ca; mark.gallagher@edf-en.ca
Cc: Valerie Towsley
Subject: Romney Wind Energy Centre

Good afternoon Mike, thank you for your email. I would like to take this opportunity advise you that we also received you email sent through the project email address and have the following response to your inquiries.

Our office received the notice of public community meeting for the Romney Wind Energy Centre. I would like to provide some preliminary comments from the perspective of the Conservation Authority and in order to assist us in appropriately delineating the boundaries of your study area I would appreciate it if you could send me a GIS shapefile (ARC version) of the boundary and I can then provide a more informative response to you. – **GIS files have been attached for your convenience, please advise if you require further assistance with this.**

As well, we at the ERCA have an online accessible map that has some of our relevant mapping layers available for review: <http://erca.org/programs-services/gis-interactive-mapping/> and I am sure you are aware of the provincial mapping resources available via the Land Information Ontario website and/or <http://www.ontario.ca/environment-and-energy/make-natural-heritage-area-map> - **We had previously located the recommended resources as part of our background review of the area, they have formed part our project file for review and consideration in what will form the final project layout. Thank you very much for bringing this forward to our attention.**

Also, the website domain www.romneywind.ca is not working at this time. As well, there does not seem to be a clear link to this notice on the www.edf-en.ca website – this may cause confusion with those who have received the notice and are looking for more information. – **As a result of your correspondence we have had a few different sources test the link, it seemed to work for others, would it be helpful to have a call to determine the error? To your second comment, we will move the links for the notices to the project cover page for ease of access for those who wish to view them. Thank you for your suggestion, I think it will be very helpful.**

In addition I would like to extend an invitation to meet with you in person if you would like to review the project. Please let me know and I can work to coordinate a time that will work for everyone you would like in attendance.

Have a great weekend and please do not hesitate to contact me with any additional questions you may have.

Regards,

Nancy O'Neill

Project Manager, Environmental and Permitting Services
DNV GL - Energy

E-mail nancy.o'neill@dnvgl.com

Direct 905-630-1712

www.dnvgl.com | [LinkedIn](#)



From: Mike Nelson [<mailto:MNelson@erca.org>]

Sent: September-23-16 1:47 PM

To: RomneyWind@edf-en.ca; mark.gallagher@edf-en.ca; O'Neill, Nancy

Cc: Mike Nelson; Valerie Towsley

Subject: Romney Wind Energy Centre

Good afternoon,

This note is to confirm that ERCA has received the notice of public meeting for the Romney Wind Energy Centre scheduled for October 26, 2016 in Tilbury.

In order for us to provide input into this project we would appreciate being circulated a shapefile of the extent of the study area. It appears from the notice of public meeting that the study area straddles the jurisdiction of both the Essex Region Conservation Authority and the Lower Thames Valley Conservation Authority.

Our office will review and provide comments to in response to the Draft Project Description Report. If you would like to contact our office to request any background information (i.e., fisheries records, natural heritage data, etc.) please feel free to contact me directly.

Thank you,

MICHAEL NELSON

Watershed Planner

Essex Region Conservation Authority (ERCA)

360 Fairview Avenue West, Suite 311 - Essex, Ontario - N8M 1Y6

Ph. 519-776-5209 x 347 -- E-mail: mnelson@erca.org - Web: www.erca.org

From: [O'Neill, Nancy](#)
To: [Rieseberg, Ashley N.](#); [Valerie Towsley \(Valerie.Towsley@ltvca.ca\)](#); [mark.gallagher@edf-en.ca](#)
Subject: FW: Introduction to the Romney Wind Energy Centre
Start: August-24-16 10:30:00 AM
End: August-24-16 11:30:00 AM
Location: 100 Thames Street Chatham Ontario

-----Original Appointment-----

From: O'Neill, Nancy
Sent: August-03-16 2:42 PM
To: O'Neill, Nancy; Valerie Towsley (Valerie.Towsley@ltvca.ca); mark.gallagher@edf-en.ca
Subject: Introduction to the Romney Wind Energy Centre
When: August-24-16 10:30 AM-11:30 AM (UTC-05:00) Eastern Time (US & Canada).
Where: 100 Thames Street Chatham Ontario

Thank you Valerie for agreeing to meet with us, please confirm eh address above is correct for our meeting. Additionally I want to confirm that we will bring with us a map of the project indicating proposed crossing for cable and roads and areas of proposed road improvements.

Look forward to meeting you.

***Ministry of the Environment and Climate
Change***

From: [O'Neill, Nancy](#) on behalf of [De Grandis, Giselle \(MOECC\)](#)
To: [Rieseberg, Ashley N.](#); [Constantin, Gabriel](#); [O'Neill, Nancy](#); [mark.gallagher@edf-en.ca](#); [Connolly, Gemma \(MOECC\)](#); [Colella, Nick \(MOECC\)](#); [Hatcher, Laura \(MTCS\)](#); [Sherratt, Jim \(MTCS\)](#); [Beal, Jim \(MNRF\)](#); [Immel, Kristen \(MOECC\)](#); [vcafik@arch-research.com](#); [Andrew Ryckman \(aryckman@nrsi.on.ca\)](#)
Cc: [Moroney, Michael \(MOECC\)](#); ["Antoine Cognard"](#); [Smith, Mark \(MOECC\)](#); [Valliant, Emma \(MNRF\)](#)
Subject: FW: EDF EN Canada Romney Wind Energy Centre
Attachments: [Proponent Pre-Submission Consultation Meeting_2.pdf](#)

-----Original Appointment-----

From: De Grandis, Giselle (MOECC) [mailto:Giselle.DeGrandis@ontario.ca]
Sent: June-06-16 5:49 PM
To: De Grandis, Giselle (MOECC); O'Neill, Nancy; mark.gallagher@edf-en.ca; Connolly, Gemma (MOECC); Colella, Nick (MOECC); Hatcher, Laura (MTCS); Sherratt, Jim (MTCS); Beal, Jim (MNRF); Immel, Kristen (MOECC); vcafik@arch-research.com; Andrew Ryckman (aryckman@nrsi.on.ca)
Cc: Moroney, Michael (MOECC); 'Antoine Cognard'; Smith, Mark (MOECC); Valliant, Emma (MNRF)
Subject: EDF EN Canada Romney Wind Energy Centre
When: July-12-16 10:00 AM-11:00 AM (UTC-05:00) Eastern Time (US & Canada).
Where: @MOECC-Boardroom-Toronto-135StClairW-EAB-EAASIB-5th-20

Update, June 27: At the proponent's request, we are moving the meeting time to 10-11am. All other details stay the same. Thanks.

Hi Nancy,

As discussed, we're scheduling the EDF EN Canada Romney Wind pre-submission meeting for July 12, 2016, 2-3pm 10-11am.

If you are attending person, please check-in with the security desk on the ground floor, and we will come escort you to the boardroom on the 5th floor.

135 St. Clair Ave. West, Toronto, ON

If you are calling in, the number is as follows:

Toll-free dial-in number: 1 866-602-5461

Local dial-in number: 416-212-8011

Conference ID: 8761064

Draft Agenda:

- * Introductions
- * Project Overview
- * Romney Wind Energy Centre, 60 MW, located in the Town of Lakeshore and the Municipality of Chatham Kent
- * Current progress and estimated project schedule
- * MOECC overview of REA process and roles
- * Specific questions/items to be raised during the meeting:
- * MOECC: Noise guidelines and acoustic assessment
- * MNRF: Requirements and best practices where bats and other SARs are concerned
- * MTCS: Q. regarding activities on lands that have not been assessed for archeology

Thanks,

Giselle

Giselle De Grandis | Senior Program Support Coordinator

Environmental Approvals Access and Service Integration Branch | Ministry of the Environment and Climate Change

135 St. Clair Ave W, 1st Floor, Toronto, ON M4V 1P5 | Email: giselle.degrandis@ontario.ca <<mailto:giselle.degrandis@ontario.ca>> | Tel: 416-314-8442

From: [O'Neill, Nancy](#) on behalf of [Santos, Narren \(MOECC\)](#)
To: [Rieseberg, Ashley N.](#); [Constantin, Gabriel](#); [Keyvani, Mohsen \(MOECC\)](#); [Miller, Denton \(MOECC\)](#); [Colella, Nick \(MOECC\)](#); Mark.Gallagher@edf-en.ca; [O'Neill, Nancy](#); [Dokouzian, Shant](#)
Subject: FW: REA - Presubmission Romney Wind Project
Attachments: [REA Preconsultation Meeting Form 02052017 \(SI\).doc](#)

-----Original Appointment-----

From: Santos, Narren (MOECC) [mailto:Narren.Santos@ontario.ca]

Sent: May-04-17 11:40 AM

To: Santos, Narren (MOECC); Keyvani, Mohsen (MOECC); Miller, Denton (MOECC); Colella, Nick (MOECC); Mark.Gallagher@edf-en.ca; O'Neill, Nancy; Dokouzian, Shant

Subject: REA - Presubmission Romney Wind Project

When: May-11-17 2:00 PM-3:00 PM (UTC-05:00) Eastern Time (US & Canada).

Where: 135 St. Clair Avenue West, Toronto ON - 2nd Fl Boardroom

Good morning:

Please advise on your availability on Thursday May 11, 2017 at 2pm for a REA pre-submission meeting for the proposed Romney Wind Project. Enclosed for your reference is the pre-submission form and proposed discussion items.

Regards,

Narren Santos | Senior Program Support Coordinator - Service Integration | EAASIB | Ministry of the Environment and Climate Change | 135 St. Clair Avenue West | Toronto ON | T:416-314-8442

Ministry of Natural Resources and Forestry

Subject: Romney WEC; District NHA and Species at Risk Records Review Request

From: Charlotte Teat <cteat@nrsi.on.ca>

Date: 12-Sep-16 3:46 PM

To: Jason Webb <Jason.Webb@ontario.ca>

CC: Jim Beal <jim.beal@ontario.ca>, Andrew Ryckman <aryckman@nrsi.on.ca>

Good Afternoon,

NRSI has been retained to conduct a Natural Heritage Assessment (NHA) and Water Body Assessment and Report for the Romney Wind Energy Centre. This project, proposed by EDF-EN, is proposed to consist of up to 20 wind turbines for a nameplate capacity up to 60MW in size, and is situated in southwestern Ontario, Town of Lakeshore and the Municipality of Chatham Kent, Ontario. Attached is a map showing the general study area boundary.

In order to complete the Records Review component of the NHA, we request input from the Alymer District MNR on any information on woodlands, wetlands, significant wildlife habitat, species of conservation concern, and Species at Risk, or any other information you may be able to provide, to ensure the Records Review is as comprehensive as possible.

In addition, to complete the Water Body Assessment, we have already contacted Janice Waite about any aquatic information you may have within the study area, including any information on Fish/Mussel/Benthic collection records/locations or other fisheries related information (e.g. known spawning habitat).

We have also contacted the Lower Thames Valley Conservation Authority and DFO directly, as well as reviewed several online resources (e.g. NHIC, LIO) for available information.

If you are not the appropriate recipient of this email, I would greatly appreciate if you are able to forward to the appropriate MNR staff.

Please also let me know if you need any further details.

Thanks in advance!

Charlotte

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Charlotte Teat M.E.S.
Terrestrial and Wetland Biologist
Natural Resource Solutions Inc.
1-225 Labrador Drive
Waterloo, ON N2K 4M8
(p) 519-725-2227 (f) 519-725-2575
(m) 519-635-3383
(w) www.nrsi.on.ca (e) cteat@nrsi.on.ca

— Attachments: —

NRSI_1736C_Romney WEC_Study Area_65K_2016_09_12_LEH.pdf

27 bytes

Subject: Romney Wind Energy Centre; NH Records Review Report

From: Charlotte Teat <cteat@nrsi.on.ca>

Date: 15-Feb-17 11:30 AM

To: Phung Tran <phung.tran@ontario.ca>

CC: Nancy O'neill <nancy.oneill@dnvgl.com>, "Rieseberg, Ashley N."

<Ashley.Rieseberg@dnvgl.com>, Mark Gallagher <mark.gallagher@edf-en.ca>, Andrew Ryckman <aryckman@nrsi.on.ca>

Good morning Phung,

I am pleased to provide you with the first draft of the Romney Wind Energy Centre: Natural Heritage Records Review Report for your review. A Word version of the report is attached, as well as the accompanying PDF maps and appendices.

Please let me know who from MNRF will be reviewing the Natural Heritage reports for this project, and I will ensure that they are copied on all correspondence moving forward.

If you have any questions, please don't hesitate to let me know.

Thanks!

Charlotte

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Charlotte Teat M.E.S.

Terrestrial and Wetland Biologist

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— Attachments: —

NRSI_1736C_Romney WEC_NH Records Review Report DRAFT_2017-02-15.doc	27 bytes
NRSI_1736C_Romney WEC_NH Records Review Report_Map 1_Project Area_65K_2017_02_14_LEH.pdf	27 bytes
NRSI_1736C_Romney WEC_NH Records Review Report_Map 2_NHIC_2017_02_14_LEH.pdf	27 bytes
NRSI_1736C_Romney WEC_NH Records Review Report_Appendix I_2017-02-14.pdf	27 bytes

NRSI_1736C_Romney WEC_NH Records Review Report_Appendix
II_2017-02-14.pdf

27 bytes

Subject: Romney Wind Energy Centre; NH Site Investigation Report

From: Charlotte Teat <cteat@nr.si.on.ca>

Date: 10-Mar-17 10:04 AM

To: "Chandy, Johan (MNRF)" <Johan.Chandy@ontario.ca>

CC: Mark Gallagher <mark.gallagher@edf-en.ca>, Nancy O'Neill <nancy.oneill@dnvgl.com>, Andrew Ryckman <aryckman@nr.si.on.ca>, "Poskin, Mike (MNRF)" <Mike.Poskin@ontario.ca>

Good morning Johan,

I am pleased to provide you with the first draft of the Romney Wind Energy Centre: Natural Heritage Site Investigation Report for your review. A Word version of the report is attached and due to the size of the maps and appendix, I have uploaded these to our sharing site. Login info is below.

If you have any questions, please don't hesitate to let me know.

Thanks!
Charlotte

<https://portal.nr.si.on.ca/public.php?service=files&t=6812f6098ee23bfcff49254709a0b896>

Password: romn3yw3c

Link expires: April 30, 2017

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(w) www.nr.si.on.ca (e) cteat@nr.si.on.ca

— Attachments: —

NRSI_1736C_Romney WEC_NH SI Report DRAFT_2017-03-10.doc

27 bytes

Subject: Romney Wind Energy Centre; NH Evaluation of Significance Report
From: Charlotte Teat <cteat@nr.si.on.ca>
Date: 03-May-17 4:37 PM
To: "Belshaw, Kelly (MNR)" <Kelly.Belshaw@ontario.ca>
CC: "Poskin, Mike (MNR)" <Mike.Poskin@ontario.ca>, "Valliant, Emma (MNR)" <Emma.Valliant@ontario.ca>, Mark Gallagher <mark.gallagher@edf-en.ca>, Nancy O'Neill <nancy.oneill@dnvgl.com>, Andrew Ryckman <aryckman@nr.si.on.ca>

Hi Kelly,

I am pleased to provide you with the first draft of the Romney Wind Energy Centre: Natural Heritage Evaluation of Significance Report for your review. A Word version of the report is attached and due to the size of the maps and appendix, I have uploaded these to our sharing site. Login info is below.

This report incorporates all comments received to date from the MNR on the Records Review Report and Site Investigation Report.

If you have any questions, please don't hesitate to let me know.

Thanks!
Charlotte

Sharing Site Login

Link: <https://portal.nr.si.on.ca/public.php?service=files&t=8e7adf9b6e87d5da7b354ebb90616281>

Password: romn3yNH3OS

Link Expires: June 30, 2017

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(w) www.nr.si.on.ca (e) cteat@nr.si.on.ca

— Attachments: —

NRSI_1736C_Romney WEC_NH EOS Report DRAFT_2017-05-03.doc

27 bytes

Subject: Romney Wind Energy Centre; NH Environmental Impact Study Report

From: Charlotte Teat <cteat@nrsi.on.ca>

Date: 05-May-17 11:37 AM

To: "Belshaw, Kelly (MNR)" <Kelly.Belshaw@ontario.ca>

CC: "Poskin, Mike (MNR)" <Mike.Poskin@ontario.ca>, "Valliant, Emma (MNR)" <Emma.Valliant@ontario.ca>, Mark Gallagher <mark.gallagher@edf-en.ca>, Nancy O'Neill <nancy.oneill@dnvgl.com>, Andrew Ryckman <aryckman@nrsi.on.ca>

Hi Kelly,

I have attached the first draft of the Romney Wind Energy Centre: Natural Heritage Environmental Impact Study Report for your review. A Word version of the report is attached and due to the size of the maps, I have uploaded these to our sharing site. Login info is below.

This report incorporates all comments received to date from the MNR on the Records Review Report and Site Investigation Report.

If you have any questions, please don't hesitate to let me know.

Thanks!
Charlotte

Sharing Site Login

Link: <https://portal.nrsi.on.ca/public.php?service=files&t=7bcddcc992e1ca4042eae9ea375563e5>

Password: romn3yNH3IS

Link Expires: June 30, 2017

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Charlotte Teat M.E.S.

Terrestrial and Wetland Biologist

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— Attachments: —

NRSI_1736C_Romney WEC_NH_EIS Report DRAFT_2017-05-05.docx

27 bytes

Subject: FW: Re: Romney WEC; District NHA and Species at Risk Records Review Request
From: "Cameron, Amy (MNRF)" <Amy.Cameron@ontario.ca>
Date: 22-Jun-17 12:53 PM
To: Charlotte Teat <cteat@nrsi.on.ca>
CC: Andrew Ryckman <aryckman@nrsi.on.ca>, "Poskin, Mike (MNRF)" <Mike.Poskin@ontario.ca>

Charlotte,

I have a response from Aylmer District for Romney. They provided a list of species to consider. Can you do a quick check in your RR report and let me know if any of these need to be added or if they were all covered off?

Thanks,

Amy Cameron
Regional Planning Ecologist
Ministry of Natural Resources and Forestry
705-755-5393

From: Webb, Jason (MNRF)
Sent: June 16, 2017 2:07 PM
To: Cameron, Amy (MNRF)
Subject: RE: Re: Romney WEC; District NHA and Species at Risk Records Review Request

Hi Amy,

Please find the following list of species that are known to occur within the attached proposed Romney Wind Energy Center project boundary. I have included a list of Endangered and Threatened Species that warrant consideration in the form of a Species at Risk Report. At this point in time, it is not clear to me if any vegetation removal is proposed to facilitate project construction/development which may impact ESA habitat.

I have also included a list of Special Concern and S1-S3 species and scientific names that can be searched for in the context of significant wildlife habitat. It is also important to mention that the Department of Fisheries and Oceans (DFO) should be contacted to determine the extent of potential species at risk fish or mussel habitat present within watercourses located within the proposed project boundary.

END/THR

- Eastern Foxsnake (Carolinian Population)
- Barn Swallow
- Bobolink
- Yellow-breasted Chat
- Eastern Meadowlark
- Chimney Swift
- Eastern Myotis
- Little Brown Myotis
- Acadian Flycatcher
- Bank Swallow

- American Chestnut
- Eastern Flowering Dogwood

Special Concern and S1-S3

- Monarch
- Climbing Prairie Rose (*Rosa setigera*)
- Wood Thrush
- Bald Eagle
- Eastern Mole
- Snapping Turtle
- Walter's Barnyard Grass (*Echinochloa walteri*)
- Black Gum (*Nyssa sylvatica*)
- Halberd-leaved Smartweed (*Persicaria arifolia*)
- Round-fruited Panicgrass (*Dichanthelium sphaerocarpon*)
- Spotted Sucker (*Minytrema melanops*)
- Hairy Green Sedge (*Carex hirsutella*)
- White-tinged Sedge (*Carex albicans* var. *albicans*)

ANSI

There are no Provincially Significant ANSI's within the proposed project location.

Provincially Significant Wetland

The Wheatley Two Creeks Wetland Complex is located within Wheatley Provincial Park which appears to be outside of the proposed project area. The boundaries of this Wetland Complex can be downloaded in Land Information Ontario (LIO).

Significant Wildlife Habitat

There is no confirmed significant wildlife habitat including deer yards or winter congregation areas within the proposed project area as identified by MNRF.

There are multiple Bald Eagle occurrences within proximity to the project location that may warrant consideration.

Please let me know if you have any additional questions or require additional information.

Thanks,

Jason Webb

Management Biologist
Ministry of Natural Resources and Forestry
Aylmer District
(519) 773-4744
Jason.webb@ontario.ca

From: Cameron, Amy (MNRF)
Sent: June-14-17 6:06 PM
To: Webb, Jason (MNRF)
Cc: Poskin, Mike (MNRF)
Subject: FW: Re: Romney WEC; District NHA and Species at Risk Records Review Request
Importance: High

Hey Jason!

Just wondering if you'll be able to provide something by Friday or when you think you might get around to sharing the natural heritage records?

Thanks,

Amy

From: Cameron, Amy (MNRF)
Sent: June 6, 2017 4:22 PM
To: Webb, Jason (MNRF)
Cc: Poskin, Mike (MNRF)
Subject: FW: Re: Romney WEC; District NHA and Species at Risk Records Review Request
Importance: High

Hey Jason!

Just wondering if you'd be able to provide me with some information related to the Romney Wind Project that I can provide to NRSI. The records I'm asking you to look at are all related to the NHA process, which is my immediate need. I expect Mike Poskin, SR REC, will need to reach out in a separate email to request SAR records.

Specifically, I'm looking for information related to SWH listed in ecoregion 7E. I'm paying particular attention to any information we have about Bald Eagle nests, if any, as well as Species of Conservation Concern. Also if you could do a quick check to confirm the presence/absence of Deer Winter Congregation Areas, ANSIs (earth and life science), PPs, CRs and PSWs.

I've attached a map of the project location plus 120m setback area. I'd appreciate if your search could encompass a 1km area around the project location. A map showing the locations of the information would be ideal, along with a list of anything else you feel is relevant. Any questions just let me know!!!

Thanks Jason!!!

Amy Cameron
Regional Planning Ecologist
Ministry of Natural Resources and Forestry
705-755-5393

From: Charlotte Teat [<mailto:cteat@nrsi.on.ca>]
Sent: June 6, 2017 12:02 PM
To: Cameron, Amy (MNRF)
Cc: Andrew Ryckman
Subject: Fwd: Re: Romney WEC; District NHA and Species at Risk Records Review Request

Hi Amy,

As requested, please see my original request and follow-up request for records from the MNRF. No records have been received to date.

Thanks!
Charlotte



Charlotte Teat M.E.S.
Terrestrial and Wetland Biologist
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(m) 519-635-3383
(w) www.nrsi.on.ca (e) cteat@nrsi.on.ca

----- Forwarded Message -----

Subject:Re: Romney WEC; District NHA and Species at Risk Records Review Request
Date:Tue, 11 Oct 2016 16:05:49 -0400
From:Charlotte Teat <cteat@nrsi.on.ca>
Organisation:Natural Resource Solutions Inc.
To:Jason Webb <Jason.Webb@ontario.ca>
CC:Jim Beal <jim.beal@ontario.ca>, Andrew Ryckman <aryckman@nrsi.on.ca>

Hi Jason,

I was wondering if you had any information regarding the request below? Please let me know if there is another MNR staff who would be better suited to receive this email.

Thanks!
Charlotte

Charlotte Teat M.E.S.
Terrestrial and Wetland Biologist
Natural Resource Solutions Inc.
1-225 Labrador Drive
Waterloo, ON N2K 4M8
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(m) 519-635-3383
(w) www.nrsi.on.ca (e) cteat@nrsi.on.ca

On 12-Sep-16 3:46 PM, Charlotte Teat wrote:

Good Afternoon,

NRSI has been retained to conduct a Natural Heritage Assessment (NHA) and Water Body Assessment and Report for the Romney Wind Energy Centre. This project, proposed by EDF-EN, is proposed to consist of up to 20 wind turbines for a nameplate capacity up to 60MW in size, and is situated in southwestern Ontario, Town of Lakeshore and the Municipality of Chatham Kent, Ontario. Attached is a map showing the general study area boundary.

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In addition, to complete the Water Body Assessment, we have already contacted Janice Waite about any aquatic information you may have within the study area, including any information on Fish/Mussel/Benthic collection records/locations or other fisheries related information (e.g.

known spawning habitat).

We have also contacted the Lower Thames Valley Conservation Authority and DFO directly, as well as reviewed several online resources (e.g. NHIC, LIO) for available information.

If you are not the appropriate recipient of this email, I would greatly appreciate if you are able to forward to the appropriate MNR staff.

Please also let me know if you need any further details.

Thanks in advance!

Charlotte

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Charlotte Teat M.E.S.
Terrestrial and Wetland Biologist
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(m) 519-635-3383
(w) www.nrsi.on.ca (e) cteat@nrsi.on.ca

— Attachments: —

NRSI_1736C_Romney WEC_SI_Map1_ProjectArea_65K_2017_02_14_LEH.PDF

27 bytes

Subject: RE: NHA Romney Wind Energy Centre Records Review Comments

From: "Cameron, Amy (MNRF)" <Amy.Cameron@ontario.ca>

Date: 29-Jun-17 3:22 PM

To: Charlotte Teat <cteat@nrsi.on.ca>

CC: Nancy O'neill <nancy.oneill@dnvgl.com>, Mark Gallagher <mark.gallagher@edf-en.ca>, "Poskin, Mike (MNRF)" <Mike.Poskin@ontario.ca>, Andrew Ryckman <aryckman@nrsi.on.ca>, "Belshaw, Kelly (MNRF)" <Kelly.Belshaw@ontario.ca>, "Valliant, Emma (MNRF)" <Emma.Valliant@ontario.ca>

Thank you Charlotte!

RR is complete. Please forward final PDF for our file.

Thanks,

Amy

From: Charlotte Teat [<mailto:cteat@nrsi.on.ca>]

Sent: June 29, 2017 3:17 PM

To: Cameron, Amy (MNRF)

Cc: Nancy O'neill; Mark Gallagher; Poskin, Mike (MNRF); Andrew Ryckman; Belshaw, Kelly (MNRF); Valliant, Emma (MNRF)

Subject: Re: NHA Romney Wind Energy Centre Records Review Comments

Hi Amy,

I've attached a track changes version of the Romney Records Review Report that includes the possible bald eagle nest record from Bird Studies Canada. There were no changes to maps or appendices. If you have no further changes, I will send along a final PDF for your files.

Thanks!

Charlotte

On 27-Jun-17 10:20 AM, Cameron, Amy (MNRF) wrote:

Great work!

I'm happy with the changes and you can send the final Romney RR as a PDF for our file.

Thanks Charlotte!!!

From: Charlotte Teat [<mailto:cteat@nrsi.on.ca>]

Sent: June 27, 2017 10:15 AM

To: Cameron, Amy (MNRF)

Cc: Nancy O'neill; Mark Gallagher; Poskin, Mike (MNRF); Andrew Ryckman; Belshaw, Kelly (MNRF); Valliant, Emma (MNRF)

Subject: Re: NHA Romney Wind Energy Centre Records Review Comments

Hi Amy,

I've attached the updated Records Review, maps and appendices, which includes the final updates we have discussed including: removal of language regarding 'project area', removal of Louisiana waterthrush and addition of two SCC plant species from the MNRF records review.

Please let me know if you have any other comments, otherwise I will send along a final PDF for your records.

Thanks!
Charlotte

On 15-Jun-17 9:36 AM, Cameron, Amy (MNRF) wrote:

Sounds great! Thanks for the update Charlotte!

From: Charlotte Teat [<mailto:cteat@nrsi.on.ca>]
Sent: June 15, 2017 9:21 AM
To: Cameron, Amy (MNRF)
Cc: Nancy O'Neill; Mark Gallagher; Poskin, Mike (MNRF); Andrew Ryckman; Belshaw, Kelly (MNRF); Valliant, Emma (MNRF)
Subject: Re: NHA Romney Wind Energy Centre Records Review Comments

Thanks, Amy! I have attached Appendix II from the RR, which contains one edit to Louisiana Waterthrush, based on comments from the SI Report. I have reached out to Jody Allair regarding eagle nests in the area but haven't heard back yet. I'm going to follow up today.

The SI edits are done, I'm just waiting on a minor layout change before I can flip it back to you.

Cheers!
Charlotte

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(w) www.nrsi.on.ca (e) cteat@nrsi.on.ca

On 14-Jun-17 6:10 PM, Cameron, Amy (MNRF) wrote:

Charlotte,

Thanks for submitting the revised RR Report. I am satisfied with the work you have completed. The only outstanding item I am waiting on is for a response from our Aylmer District office to verify there is no additional information that should have been considered.

I'm hoping to have that by end of this week or early next week. In the

meantime, we'll continue as planned and I'll await your revisions to the SI Report.

Thanks,

Amy Cameron
Regional Planning Ecologist
Ministry of Natural Resources and Forestry
705-755-5393

From: Charlotte Teat [<mailto:cteat@nrsi.on.ca>]
Sent: June 6, 2017 4:21 PM
To: Cameron, Amy (MNRF)
Cc: Nancy O'Neill; Mark Gallagher; Poskin, Mike (MNRF); Andrew Ryckman; Belshaw, Kelly (MNRF); Valliant, Emma (MNRF)
Subject: Re: NHA Romney Wind Energy Centre Records Review Comments

Hi Amy,

I've attached a clean version of the RR Report, which accepts your changes. As I mentioned on the phone, there have been some minor layout updates and I have attached updated mapping. This did not result in any changes to the report or to any of the areas reviewed for records.

Please let me know if you have any further questions or comments, otherwise I can send along a final PDF for your records.

Thanks!
Charlotte

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sender.



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On 01-Jun-17 4:44 PM, Cameron, Amy (MNRF) wrote:

Charlotte,

Please find attached the final RR comments. If you are able to accept the tracked changes, we can deem the RR report complete.

FYI – I will not be providing comment tables. Instead I will be sending tracked changes within the documents to help expedite the review.

I've asked for two specific changes:

1. Table 2 (p.10) – I updated text in the Bat Migratory Stopover Area to reflect the wording in the bat guidelines as to why this feature does not get carried to

SI.

2. Table 2 (p.10) – I updated the text in the Migratory Butterfly Stopover Areas to indicate the reason it is being carried forward to SI is because you are within 5km of Lake Erie.

Let me know if you have any questions or concerns. I plan to have SI comments to you by Monday end of day or early Tuesday morning.

Thanks,

Amy Cameron
Regional Planning Ecologist
Ministry of Natural Resources and Forestry
705-755-5393

From: Cameron, Amy (MNRF)
Sent: June 1, 2017 2:19 PM
To: 'Charlotte Teat'
Cc: Nancy O'Neill; Mark Gallagher; Poskin, Mike (MNRF); Andrew Ryckman; Belshaw, Kelly (MNRF)
Subject: RE: NHA Romney Wind Energy Centre Records Review Comments
Importance: High

Hi Charlotte!

I'm going to be leading the Romney NHA review on behalf of MNRF effective today. I have been in conversations with Emma Valliant, Kelly Belshaw and Mike Poskin to transition the project, and I have familiarized myself with the RR and SI Reports. Please continue to copy these individuals on correspondence; however, I will be working directly with you.

I am hoping we could have a quick phone conversation, possibly tomorrow afternoon if you are available just so we are on the same page moving forward. I'm free anytime between 2-4pm tomorrow, or alternatively, I'm available any time Monday afternoon.

Let me know what day/time works for you.

Thanks,

Amy Cameron
Regional Planning Ecologist
Ministry of Natural Resources and Forestry
705-755-5393

From: Charlotte Teat [<mailto:cteat@nrsi.on.ca>]
Sent: April 26, 2017 9:55 AM
To: Belshaw, Kelly (MNRF)
Cc: Chandy, Johan (MNRF); Nancy O'Neill; Mark Gallagher;

Poskin, Mike (MNRF); Andrew Ryckman

Subject: Re: NHA Romney Wind Energy Centre Records Review Comments

Hi Kelly,

Please find attached a revised Records Review Report in track changes and a comment table outlining how MNRF comments have been addressed. No changes were made to Appendix I or the maps, but I have re-attached here for your reference. Minor updates were made to Appendix II in track changes.

Please let me know if you have any questions or further comments.

Thanks!
Charlotte

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On 08-Mar-17 5:04 PM, Chandy, Johan (MNRF) wrote:

Hello Charlotte,

Attached is an excel spreadsheet with comments in relation to the Records Review.

We have three weeks to review each part of the NHA. The comments and changes requested are not significant enough to affect the rest of the NHA and thus I will be continuing on with the Site Investigation review.

If you have any questions feel free to send them my way.

Regards,

Johan Chandy (MNRF)

Subject: RE: Romney WEC Site Investigation Report

From: "Cameron, Amy (MNRF)" <Amy.Cameron@ontario.ca>

Date: 30-Jun-17 9:06 AM

To: Charlotte Teat <cteat@nr.si.on.ca>

CC: "Poskin, Mike (MNRF)" <Mike.Poskin@ontario.ca>, "Belshaw, Kelly (MNRF)" <Kelly.Belshaw@ontario.ca>, "Valliant, Emma (MNRF)" <Emma.Valliant@ontario.ca>, Mark Gallagher <mark.gallagher@edf-en.ca>, Nancy O'neill <nancy.oneill@dnvgl.com>, Andrew Ryckman <aryckman@nr.si.on.ca>

Thank you Charlotte. Site Investigation Report is officially complete J

From: Charlotte Teat [mailto:cteat@nr.si.on.ca]

Sent: June 29, 2017 4:58 PM

To: Cameron, Amy (MNRF)

Cc: Poskin, Mike (MNRF); Belshaw, Kelly (MNRF); Valliant, Emma (MNRF); Mark Gallagher; Nancy O'neill; Andrew Ryckman

Subject: Re: Romney WEC Site Investigation Report

Hi Amy,

I've attached an updated Site Investigation Report, which includes the addition of the possible bald eagle nest from BSC. I've attached the updated map set - there were no other changes to maps or the appendix. Please let me know if you have any further comments or else I will send a final PDF for your files.

Thanks!
Charlotte

On 26-Jun-17 11:29 AM, Cameron, Amy (MNRF) wrote:

Good Morning Charlotte!

Romney SI is now complete...just one small change prior to finalizing it...

- Table 7 – remove reference to Louisiana Waterthrush.

Just a follow up to a question you had in the comment bubble....Here is a reference for where you will see **Louisiana Waterthrush** listed as Threatened under ESA. When you open the link, scroll to "Schedule 3 – Threatened Species" and it will be listed under "birds"
<https://www.ontario.ca/laws/regulation/080230>. Apparently our website is lagging behind the updated legislation/regulations. You can officially remove this species from the reports and address it through ESA requirements, if necessary.

I'm going through changes to EOS next. Stay tuned J

Amy Cameron
Regional Planning Ecologist
Ministry of Natural Resources and Forestry
705-755-5393

From: Charlotte Teat [<mailto:cteat@nrsi.on.ca>]
Sent: June 22, 2017 4:52 PM
To: Cameron, Amy (MNRF)
Cc: Valliant, Emma (MNRF); Belshaw, Kelly (MNRF); Andrew Ryckman; Mark Gallagher; Nancy O'Neill; Poskin, Mike (MNRF)
Subject: Re: Romney WEC Site Investigation Report

Hi Amy,

As discussed, I've attached an updated version of the Romney Site Investigation Report, which incorporates the updates we discussed on the phone and the two new plant species of conservation concern that came up in the MNRF records review emailed to me today. There are no updates to Appendix I. Updated maps have been uploaded to our sharing site.

Please let me know if you have any further questions or comments!

Thanks!
Charlotte

Login: <https://portal.nrsi.on.ca/public.php?service=files&t=6812f6098ee23bfcff49254709a0b896>
Password: romn3ysit3inv3stigation
Link Expires: July 31, 2017

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On 19-Jun-17 10:09 PM, Charlotte Teat wrote:

Hi Amy,

I've attached an updated version of the Romney Site Investigation Report in tracked changes, so you can see what edits have been made to address your comments. Updated maps have been uploaded to our sharing site and there were no updates to Appendix I. I am also applying any applicable edits to the EOS Report and will be sending that back later in the week.

Please let me know if you have any further questions or comments!

Thanks!
Charlotte

Login: <https://portal.nrsi.on.ca/public.php?service=files&t=6812f6098ee23bfcff49254709a0b896>
Password: romn3ysit3inv3stigation
Link Expires: July 31, 2017



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On 05-Jun-17 7:29 PM, Cameron, Amy (MNRF) wrote:

Charlotte,

Please find attached the completed review of the Romney SI Report. Overall, it is obvious that turbines are being sited outside of candidate significant natural features; however, I found parts of the report confusing so I went through and added tracked changes to provide clarity. For example, the term "project area" was used to describe areas within 120m of the project location and at other times it was describing areas in the project location plus the 120m setback area.

Once you have a chance to go through the report and accept tracked changes there is very little for you to do and we can deem the SI report complete if the following items are addressed:

- **Table 3** - should clarify what candidate SWH field work was done on the various dates
- **Table 15** – a couple of locations the "soybeans" were listed but were deleted in your last round of tracked changes and no new crop information inserted. Just need you to add this information.
- **Table 17** – considers features that are within 120m setback but doesn't provide information about what features are in the project location. In the comments I proposed adding a column to indicate the WST-001 through 029, and BAL-001 be shown as "in" the project location.
- I'd like to have a quick phone conversation to discuss the Bald Eagle nest and Shellbark Hickory occurrence. I believe MNRF has provided input to date, but I need to make sure I am fully aware of the history and what conversations have taken place, specifically for these two species.

None of these comments prevent me from beginning my review of the EOS. I plan to start that tomorrow morning and provide comments by the end of the day or by Wednesday morning.

Let me know when you have time to chat about the bald eagle nest and shellbark hickory occurrences.

Thanks,

Amy Cameron
Regional Planning Ecologist

Ministry of Natural Resources and Forestry
705-755-5393

From: Charlotte Teat [<mailto:cteat@nrsi.on.ca>]
Sent: May 31, 2017 10:47 PM
To: Valliant, Emma (MNRF); Cameron, Amy (MNRF)
Cc: Belshaw, Kelly (MNRF); Andrew Ryckman; Mark Gallagher; Nancy O'Neill
Subject: Romney WEC Site Investigation Report

Hi Emma and Amy,

I have attached an updated Romney WEC Site Investigation Report, based on our phone discussion. I have included all tracked changes made to date, with the additional changes being made to Section 5.6, Tables 11-14 and Table 16.

No changes have been made to the maps or appendices, which are still available on our sharing site. Login info is below.

Please let me know if you have any further questions or comments.

Thanks!
Charlotte

Sharing Site Access

Link: <https://portal.nrsi.on.ca/public.php?service=files&t=6812f6098ee23bfcff49254709a0b896>

Password: romn3ysit3inv3stigation

Link Expires: June 30, 2017

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July 11, 2017

Romney Energy Centre Limited Partnership
53 Jarvis Street, Suite 300
Toronto, ON
M5C 2H2

RE: NHA Confirmation for Romney Wind Energy Centre

Dear Mark Gallagher:

In accordance with the Ministry of the Environment and Climate Change's (MOECC's) Renewable Energy Approvals (REA) Regulation (O.Reg.359/09), the Ministry of Natural Resources and Forestry (MNRF) has reviewed the natural heritage assessment (NHA) and environmental impact study (EIS) for the Romney Wind Energy Centre located in the Town of Lakeshore in the Municipality of Chatham-Kent, the final version of which was submitted by Romney Energy Centre Limited Partnership on June 30, 2017.

In accordance with Section 28(2) and 38(2)(b) of the REA regulation, MNRF provides the following confirmations following review of the NHA and EIS:

1. The MNRF confirms that the determination of the existence of natural features and the boundaries of natural features was made using applicable evaluation criteria or procedures established or accepted by MNRF.
2. The MNRF confirms that the site investigation and records review were conducted using applicable evaluation criteria or procedures established or accepted by MNRF, if no natural features were identified.
3. The MNRF confirms that the evaluation of the significance or provincial significance of the natural features was conducted using applicable evaluation criteria or procedures established or accepted by MNRF.
4. The MNRF confirms that the project location is not in a provincial park or conservation reserve.
5. The MNRF confirms that the environmental impact assessment report has been prepared in accordance with procedures established by the MNRF.

In accordance with Section 28(3)(c) and 38(2)(c), MNRF also offers the following comments in respect of the project:

Pre-construction Monitoring

In accordance with Appendix D of the Natural Heritage Assessment Guide, a commitment has been made to complete pre-construction assessments of habitat use for the following candidate significant wildlife habitats:

- Bald Eagle Habitat (features BAL-002*)
- Eastern Wood Pewee Habitat (features EWP-001, 003, 004, 005)
- Cattail Sedge Habitat (features CSE-001, 003, 007)
- Pumpkin Ash Habitat (features PAS-001, 003, 007)
- Halberd-leaved Smartweed Habitat (features HLS-001, 003)
- Shumard Oak Habitat (features SHO-001, 003)

* Feature BAL-002 includes a commitment to determine if a nest is present in the woodland and if so, whether the nest is active. If the nest is present and active, behavioral monitoring is required as a pre-construction survey commitment.

MNRF has reviewed and confirmed the assessment methods and the range of mitigation options. Pending completion of the assessments and determination of significance, the appropriate mitigation is expected to be implemented, as committed to in the EIS.

Post-construction Monitoring

A commitment has been made in the NHA and EIS to conduct post-construction monitoring, and if determined necessary, implement mitigation measures. For the Romney Wind Energy Centre this includes the following features if they are deemed significant following results of pre-construction monitoring requirements listed above:

- Bald Eagle Habitat (features BAL-002)
- Eastern Wood Pewee Habitat (features EWP-001, 003, 004, 005)
- Cattail Sedge Habitat (features CSE-001, 003, 007)
- Pumpkin Ash Habitat (features PAS-001, 003, 007)
- Halberd-leaved Smartweed Habitat (features HLS-001, 003)
- Shumard Oak Habitat (features SHO-001, 003)

In addition, the following confirmed significant wildlife habitats will receive post-construction monitoring, and mitigation outlined in the NHA and EIS will be applied:

- Bald Eagle Habitat (BAL-001)

In addition to the NHA, Environmental Effects Monitoring Plans (EEMP) that address post-construction monitoring and mitigation for birds and bats must be prepared and implemented. EEMPs for birds and bats must be prepared in accordance with MNRF Guidelines and should be reviewed by MNRF in advance of submitting a REA application to MOECC to minimize potential delays in determining if the application is complete. Comments provided by MNRF with respect to the EEMP must be submitted as part of the application for a REA.

This confirmation letter is valid for the project as proposed in the NHA and EIS. Should any changes be made to the proposed project that would alter the NHA or EIS, MNRF may need to undertake additional review of the NHA and EIS.

Where specific commitments have been made by the applicant in the NHA and EIS with respect to project design, construction, rehabilitation, operation, mitigation, or monitoring, MNRF expects that these commitments will be considered in MOECC's Renewable Energy Approval decision and, if approved, be implemented by the applicant.

In accordance with S.12 (1) of the Renewable Energy Approvals Regulation, this letter must be included as part of your application submitted to the MOECC for a Renewable Energy Approval.

Please be aware that your project may be subject to additional legislative approvals as outlined in the Ministry of Natural Resources' *Approvals and Permitting Requirements Document*. These approvals are required prior to the construction of your renewable energy facility.

If you wish to discuss any part of this confirmation or additional comments provided, please contact Mike Poskin, A/Renewable Energy Coordinator, at 705-755-1362.

Sincerely,



Erin Cotnam
Land Use Planning Supervisor
Regional Operations Division
Ministry of Natural Resources and Forestry

- cc. Mitch Wilson, District Manager, MNR Aylmer District
- cc. Mike Poskin, A/Renewable Energy Coordinator, MNRF
- cc. Amy Cameron, Regional Planning Ecologist, MNRF
- cc. Kelly Belshaw, Regional Planner, MNRF
- cc. Mohsen Keyvani, MOECC
- cc. Nick Colella, MOECC
- cc. Zeljko Romic, MOECC

Ministry of
Natural Resources
Regional Resources Section
Southern Region
300 Water Street
4th Floor, South Tower
Peterborough, ON K9J 8M5

Ministère des
Richesses naturelles



July 11, 2017

Romney Energy Centre Limited Partnership
53 Jarvis Street, Suite 300
Toronto, ON
M5C 2H2

RE: Natural Heritage Section of the EEMP for Romney Wind Energy Centre

Dear Mark Gallagher:

Ministry of Natural Resources and Forestry (MNRF) has reviewed the Natural Heritage section of the Environmental Effects Monitoring Plan (EEMP) for the Romney Wind Energy Centre located in the Town of Lakeshore in the Municipality of Chatham-Kent, the final version of which was submitted by Romney Energy Centre Limited Partnership on July 11, 2017.

This letter confirms that the EEMP was prepared in respect of birds and bats in accordance with MNRF's:

- *Bird and Bird Habitats: Guidelines for Wind Power Projects (2011)*, and
- *Bat and Bat Habitats: Guidelines for Wind Power Projects (2011)*.

Post-construction bird and bat mortality monitoring for the Romney Wind Energy Centre will be conducted at a minimum of 10 turbines, including T1, 2, 6, 8, 9, 10, 11, 13, 16 and 17. The post-construction monitoring requirements, as outlined in the NHA Confirmation letter issued July 11, 2017, will also be implemented.

MNRF expects the information contained in the natural heritage section of the EEMP to be considered in MOECC's Renewable Energy Approval decision, and if approved, be implemented by the applicant.

If you wish to discuss any part of this letter please contact Mike Poskin, A/Renewable Energy Coordinator, at 705-755-1362.

Sincerely,

A handwritten signature in blue ink that reads "Erin Cotnam".

Erin Cotnam
Land Use Planning Supervisor
Regional Operations Division
Ministry of Natural Resources and Forestry

cc. Mitch Wilson, District Manager, MNR Aylmer District
cc. Mike Poskin, A/Renewable Energy Coordinator, MNRF
cc. Amy Cameron, Regional Planning Ecologist, MNRF
cc. Kelly Belshaw, Regional Planner, MNRF
cc. Mohsen Keyvani, MOECC
cc. Nick Colella, MOECC
cc. Zeljko Romic, MOECC

Ministry of Tourism, Culture and Sport

From: Jacqueline McDermid
To: O'Neill, Nancy
Cc: pracher@arch-research.com; Rieseberg, Ashley N.
Subject: RE: Romney Heritage Report (MTCS Review Update)
Date: Wednesday, July 05, 2017 8:12:46 AM
Attachments: [image004.png](#)

Hi Nancy,

I have had to leave a message with the MTCS to ask for any feedback/anticipated timeline for the Romney Heritage Assessment review. I have also been clear that this is currently quite time sensitive and have asked for feedback ASAP. I will try again this afternoon. Just thought I would keep you updated on my attempts to get some answers for you!

Talk soon,

Jacqueline

From: O'Neill, Nancy [mailto:Nancy.ONeill@dnvgl.com]
Sent: July 4, 2017 4:24 PM
To: Jacqueline McDermid <jmcdermid@arch-research.com>
Cc: 'pracher@arch-research.com' <pracher@arch-research.com>; Rieseberg, Ashley N. <Ashley.Rieseberg@dnvgl.com>
Subject: RE: Romney Heritage Report (MTCS Review Update)

Can you please contact the MTCS and ask them for an ETA on this letter?

Nancy

From: O'Neill, Nancy
Sent: June-29-17 11:35 AM
To: 'Jacqueline McDermid' <jmcdermid@arch-research.com>
Cc: 'pracher@arch-research.com' <pracher@arch-research.com>; 'mark.gallagher@edf-en.ca' <mark.gallagher@edf-en.ca>; Rieseberg, Ashley N. <Ashley.Rieseberg@dnvgl.com>
Subject: RE: Romney Heritage Report (MTCS Review Update)

Heads up!

The MNRf sign off is expected anytime which will make the MTCS – Heritage letter the bottle neck to the submission. Please follow up on the status of the letter.

Many thanks!

Nancy O'Neill
Project Manager, Environmental and Permitting Services
DNV GL - Energy

E-mail nancy.o'neill@dnvgl.com

Direct 905-630-1712

www.dnvgl.com | [LinkedIn](#)



From: Jacqueline McDermid [<mailto:jmcdermid@arch-research.com>]

Sent: June-23-17 3:44 PM

To: O'Neill, Nancy <Nancy.ONeill@dnvgl.com>

Subject: RE: Romney Heritage Report (MTCS Review Update)

Unfortunately, it does not. The Heritage Planner did not offer a timeline. Though they did offer to send any major revisions (if any) our way as the revision process moves along, this will save time.

Jacqueline

From: O'Neill, Nancy [<mailto:Nancy.ONeill@dnvgl.com>]

Sent: June 23, 2017 3:42 PM

To: Jacqueline McDermid <jmcdermid@arch-research.com>

Subject: RE: Romney Heritage Report (MTCS Review Update)

Does that provide a sense of timing?

Nancy

From: Jacqueline McDermid [<mailto:jmcdermid@arch-research.com>]

Sent: June-23-17 3:32 PM

To: O'Neill, Nancy <Nancy.ONeill@dnvgl.com>

Subject: Romney Heritage Report (MTCS Review Update)

Dear Nancy,

Just off the phone with the Heritage Planner at the MTCS. The review is underway, and at our request has now made its way to the top priority!

Have a good weekend,

Jacqueline

Jacqueline McDermid, Hons. B.A.

Team Lead – Heritage

Technical Writer & Researcher

Archaeological Research Associates Ltd

219-900 Guelph Street, Kitchener, ON, N2H 5Z6

P 519.804.2291 x120 | F 519.286.0493

www.arch-research.com

[@ArchResearch](#) [@ARAHeritage](#)



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Breadner, Leslie

From: O'Neill, Nancy
Sent: Monday, December 12, 2016 3:16 PM
To: Breadner, Leslie
Subject: FW: Heritage Inquiry - Romney Wind Energy Centre
Attachments: Study Area - Romney (Dec 12 2016).jpg

From: Kayla Jonas-Galvin [mailto:kjgalvin@arch-research.com]
Sent: December-12-16 3:02 PM
To: 'Hossack, Deborah (MTCS)'
Cc: O'Neill, Nancy; 'Jacqueline McDermid'; 'Paul Racher'
Subject: Heritage Inquiry - Romney Wind Energy Centre

Dear Deborah,

Archaeological Research Associates Ltd. is working with DNV-GL to complete a Cultural Heritage Assessment under Ontario Regulation 359/09 for the Romney Wind Energy Centre. I have attached a map of the study area.

I am writing to inquire about heritage interests in the study area. Specifically,

1. Are any of the participating or abutting properties or properties:
 - a. designated by order of the Minister of Tourism, Culture and Sport made under section 34.5 of the Ontario Heritage Act as a property of cultural heritage value or interest of provincial significance?
 - b. designated as a historic site under Regulation 880 of the Revised Regulations of Ontario, 1990 (Historic Sites) made under the Ontario Heritage Act?
2. Has a notice of intention to designate the property as property of cultural heritage value or interest of provincial significance has been given in accordance with section 34.6 of the Ontario Heritage Act. for the participating or abutting properties?
3. Do you have any additional information on properties or landscapes within the study area?

Kayla Jonas Galvin, M.A., CAHP
Team Lead - Heritage

*We've moved! Our new address is:
219-900 Guelph Street, Kitchener, ON, N2H 5Z6
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Ministry of Tourism, Culture and Sport

Archaeology Programs Unit
Programs and Services Branch
Culture Division
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
Tel.: (519) 675-6898
Email: Shari.Prowse@ontario.ca

Ministère du Tourisme, de la Culture et du Sport

Unité des programmes d'archéologie
Direction des programmes et des services
Division de culture
401, rue Bay, bureau 1700
Toronto ON M7A 0A7
Tél. : (519) 675-6898
Email: Shari.Prowse@ontario.ca



Apr 18, 2017

Paul Racher (P007)
Archaeological Research Associates Ltd.
900 Guelph Kitchener ON N2H 5Z6

RE: Review and Entry into the Ontario Public Register of Archaeological Reports: Archaeological Assessment Report Entitled, "Stage 1 and 2 Archaeological Assessments, Romney Wind Energy Centre, L-006356-WIN-001-060, 2016 Season, Town of Lakeshore and Municipality of Chatham-Kent, Multiple Lots and Concessions, Geographic Townships of Tilbury West and Romney, Essex County and Former Kent County, Ontario", Dated Feb 27, 2017, Filed with MTCS Toronto Office on Mar 8, 2017, MTCS Project Information Form Number P007-0783-2016, OPA Reference Number FIT-FXXXXXX

Dear Mr. Racher:

This office has reviewed the above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the Ontario Heritage Act, R.S.O. 1990, c 0.18. ¹ This review has been carried out in order to determine whether the licensed professional consultant archaeologist has met the terms and conditions of their licence, that the licensee assessed the property and documented archaeological resources using a process that accords with the 2011 Standards and Guidelines for Consultant Archaeologists set by the ministry, and that the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of the cultural heritage of Ontario.²

The report documents the Stage 1 and partial Stage 2 assessment of the study area as depicted in Maps 8-33 of the above titled report and recommends the following:

The Stage 1 assessment encompassed the entirety of the proposed project location (29 parcel groups), whereas the Stage 2 assessment was only conducted on a portion of the project location (parts of 12 parcel groups). During the 2016 season, the majority of the identified areas of archaeological potential within the project location along the municipal ROWs were not subject to Stage 2 survey due to potential project redesign (i.e., the removal of those portions that have archaeological potential). In addition, one or more of the identified areas of archaeological potential within the project location at T2, T5, T6/O&M, T9, T10, T11, T14, T17, T19 (Alternate 1), the O&M and the Grid Tap were not subject to Stage 2 survey due to inappropriate field conditions or, in the case of T5, a subsequent enlargement of the project location. All remaining fieldwork will be completed during the 2017 season and documented in a separate report (parts of 21 parcel groups).

The Stage 1 assessment determined that the study area comprised a mixture of areas of archaeological

potential and areas of no archaeological potential. The partial Stage 2 assessment resulted in the identification of seven locations of Pre-Contact archaeological materials: Site 1, Site 2 (AaHo-8) and Sites 3–7. Sites 1–7 were found to be of no further CHVI.

ARA recommends that 1) Site 1, Site 2 (AaHo-8) and Sites 3–7 do not require further archaeological assessment, 2) the remainder of the area subject to Stage 2 assessment does not require further archaeological assessment, 3) the identified areas of archaeological potential within the project location along the municipal ROWs be subject to Stage 2 assessment and 4) the identified areas of archaeological potential within the project location at T2, T5, T6/O&M, T9, T10, T11, T14, T17, T19 (Alternate 1), the O&M and the Grid Tap be subject to Stage 2 assessment.

Regarding the identified areas of archaeological potential within the municipal ROWs and the remaining parcel groups, the Stage 2 assessment must be conducted in accordance with Section 2.1 of the S&Gs (MTC 2011:28–39). Given that the areas of archaeological potential consist of both agricultural and non-agricultural lands, it is recommended that both the pedestrian survey and test pit survey methods be utilized to complete the assessment. Specifically, the following assessment strategies should be utilized:

- For recently cultivated or actively cultivated lands, the assessment must be conducted using the pedestrian survey method at an interval of ≤ 5 m. All ground surfaces must be recently ploughed (typically within the month prior to assessment), weathered by one heavy rainfall or several light rains, and provide at least 80% visibility. If archaeological materials are encountered, the transect interval must be decreased to at least 1 m and a close inspection of the ground must be conducted over a minimum of a 20 m radius around the find. This interval must be continued until the full extent of the scatter has been defined.

- For lands where ploughing is not possible or viable (e.g., maintained lawns and grassed field edges), the assessment must be conducted using the test pit survey method. A test pit survey interval of ≤ 5 m will be required due to the proximity of the lands to the identified features of archaeological potential. Each test pit must be excavated into at least the first 5 cm of subsoil, and the resultant pits must be examined for stratigraphy, potential features and/or evidence of fill. The soil from each test pit must be screened through mesh with an aperture of no greater than 6 mm and examined for archaeological materials. If archaeological materials are encountered, all PTPs must be documented and intensification may be required.

- If the field conditions within the agricultural lands along the edges of the municipal ROWs are not adequate for pedestrian survey at the time of assessment, the test pit survey method can be utilized to complete the assessment of these narrow corridors as set out in Section 2.1.2 Standard 1f of the S&Gs (MTC 2011:32).

If any of the identified areas of archaeological potential are removed from the project design in the future, then the Stage 2 assessment of those lands would not be required as part of the subject application. It is requested that this report be entered into the Ontario Public Register of Archaeological Reports, as provided for in Section 65.1 of the Ontario Heritage Act.

Based on the information contained in the report, the ministry is satisfied that the fieldwork and reporting for the archaeological assessment are consistent with the ministry's 2011 Standards and Guidelines for Consultant Archaeologists and the terms and conditions for archaeological licences. This report has been entered into the Ontario Public Register of Archaeological Reports. Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

Should you require any further information regarding this matter, please feel free to contact me.

Sincerely,

Shari, Prowse
Archaeology Review Officer

cc. Archaeology Licensing Officer
Nancy O'Neill, DNV GL - Energy
Giselle De Grandis, Ministry of Environment and Climate Change

¹This letter constitutes the Ministry of Tourism, Culture and Sport's written comments where required pursuant to section 22 of O. Reg. 359/09, as amended (Renewable Energy Approvals under the Environmental Protection Act), regarding the archaeological assessment undertaken for the above-captioned project. Depending on the study area and scope of work of the archaeological assessment as detailed in the report, further archaeological assessment reports may be required to complete the archaeological assessment for the project under O. Reg. 359/09. In that event Ministry comments pursuant to section 22 of O. Reg. 359/09 will be required for any such additional reports.

²In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.

Breadner, Leslie

From: O'Neill, Nancy
Sent: Monday, December 12, 2016 3:17 PM
To: Breadner, Leslie
Subject: FW: Heritage Inquiry - Romney Wind Energy Centre
Attachments: Study Area - Romney (Dec 12 2016).jpg

From: Kayla Jonas-Galvin [mailto:kjgalvin@arch-research.com]
Sent: December-12-16 3:02 PM
To: 'Jeremy Collins'
Cc: 'Paul Racher'; O'Neill, Nancy; 'Jacqueline McDermid'
Subject: Heritage Inquiry - Romney Wind Energy Centre

Dear Jeremy,

Archaeological Research Associates Ltd. is working with DNV-GL to complete a Cultural Heritage Assessment under Ontario Regulation 359/09 for the Romney Wind Energy Centre. I have attached a map of the study area.

I am writing to inquire about heritage interests in the study area. Specifically,

1. Are any of the participating or abutting properties locally or provincially designated?
2. Do any of the participating or abutting properties have an Ontario Heritage Trust Easement?
3. Has a notice of intention to designate been issued by the Minister of Tourism, Culture and Sport or the municipality for the participating or abutting properties?
4. Do you have any additional information on properties or landscapes within the study area?

Thanks!

Kayla Jonas Galvin, M.A., CAHP
Team Lead - Heritage

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P 519.804.2291 x120 | M 226.339.8572 | F 519.286.0493
www.arch-research.com
@ArchResearch @ARAHeritage



Breadner, Leslie

From: O'Neill, Nancy
Sent: Monday, December 12, 2016 9:12 PM
To: Breadner, Leslie
Subject: Fwd: Heritage Inquiry - Romney Wind Energy Centre
Attachments: Romney Wind Energy Centre Collins-Galvin 12-Dec-2016.pdf; image002.gif; image003.gif; image004.png

Sent from my Samsung Galaxy smartphone.

----- Original message -----

From: Jeremy Collins <Jeremy.Collins@heritagetrust.on.ca>
Date: 2016-12-12 4:18 PM (GMT-05:00)
To: Kayla Jonas-Galvin <kjgalvin@arch-research.com>
Cc: 'Paul Racher' <pracher@arch-research.com>, "O'Neill, Nancy" <Nancy.ONeill@dnvgl.com>, 'Jacqueline McDerimid' <jmcdermid@arch-research.com>, "Hatcher, Laura (MTCS)" <Laura.E.Hatcher@ontario.ca>
Subject: RE: Heritage Inquiry - Romney Wind Energy Centre

Dear Ms. Galvin,

Please find attached the response of the Ontario Heritage Trust to your information request pursuant to O. Reg. 359/09 concerning the Romney Wind Energy Centre.

A copy of this email and the attached letter has been sent to Laura Hatcher, Heritage Planner/Team Lead, Culture Services, Ontario Ministry of Tourism, Culture and Sport (MTCS).

Please don't hesitate to contact me if you have any questions or concerns.

Regards,

Jeremy Collins

Jeremy Collins | Acquisitions Coordinator
Ontario Heritage Trust
10 Adelaide Street East, Toronto, Ontario Canada M5C 1J3
Telephone: 416-325-5017 | Fax: 416-314-5979
Email: Jeremy.Collins@heritagetrust.on.ca
Ontario Heritage Trust – bringing our heritage to life, one story at a time.
Discover Ontario's stories at:
www.heritagetrust.on.ca | www.doorsopenontario.on.ca



Please consider the environment before printing this email

From: Kayla Jonas-Galvin [mailto:kjgalvin@arch-research.com]
Sent: December-12-16 3:02 PM

To: Jeremy Collins
Cc: 'Paul Racher'; 'O'Neill, Nancy'; 'Jacqueline McDermid'
Subject: Heritage Inquiry - Romney Wind Energy Centre

Dear Jeremy,

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I am writing to inquire about heritage interests in the study area. Specifically,

1. Are any of the participating or abutting properties locally or provincially designated?
2. Do any of the participating or abutting properties have an Ontario Heritage Trust Easement?
3. Has a notice of intention to designate been issued by the Minister of Tourism, Culture and Sport or the municipality for the participating or abutting properties?
4. Do you have any additional information on properties or landscapes within the study area?

Thanks!

Kayla Jonas Galvin, M.A., CAHP
Team Lead - Heritage

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Ontario Heritage Trust



An agency of the Government of Ontario

10 Adelaide Street East
Toronto, Ontario M5C 1J3

Telephone: 416-325-5000
Fax : 416-325-5071
www.heritagetrust.on.ca

VIA MAIL AND EMAIL

December 12, 2016

Archaeological Research Associates
219-900 Guelph Street
Kitchener, ON, N2H 5Z6

Attention: Kayla Jonas Galvin, Team Lead - Heritage

Dear Ms. Galvin:

Re: Heritage Inquiry – Romney Wind Energy Centre, Municipality of Chatham-Kent

We are in receipt of your email request for information to the Ontario Heritage Trust (the Trust) and attached mapping of the study area with respect to the above-noted proposed undertaking.

As the Province's heritage agency, the Trust is mandated to preserve, protect and promote the conservation of the Province's rich natural and cultural heritage. In carrying out the above mandate, the Trust protects many significant cultural heritage and natural heritage sites across Ontario through ownership and conservation easements. The Trust also promotes appropriate measures to protect heritage resources which may be affected by large-scale undertakings.

As described in section 23 of the *Ontario Heritage Act* (the "Act"), the Trust holds and maintains the provincial Register (the "OHA Register") of properties that have been designated by municipalities under section 29 and 41 of the Act, as well as properties designated by the Minister of Tourism, Culture and Sport.

Further to your request for information, we advise the following:

1. The Trust does not protect any property within or abutting the study area through a provincial conservation easement entered into pursuant to the *Ontario Heritage Act*.
2. The OHA Register is searchable exclusively through municipal addresses. The information you have provided does not include municipal addresses. We ask that you provide municipal addresses or streets within the study area which can then be searched for designated properties.
3. The Trust's provincial plaque records are formatted by subject, theme and municipality -- a search of these records to determine the location of the plaque can be conducted on-line

at the Trust's website: <http://www.heritagetrust.on.ca/Resources-and-Learning/Online-Plaque-Guide.aspx> Instructions for conducting a search are set out at that location.

We strongly encourage you to contact the Ministry of Tourism, Culture and Sport, if you have not already done so, in order to determine if there are any other cultural heritage interests which may be affected by this project. In this regard, we recommend that you liaise with Laura Hatcher, Heritage Planner / Acting Team Lead, Land Use Planning, Cultural Services Unit at the Ministry. She can be reached at 416-314-3108 by phone or Laura.E.Hatcher@ontario.ca by email.

Should you have any questions, please contact me at 416-325-5017.

Yours truly,

A handwritten signature in blue ink that reads "Jeremy Collins". The signature is fluid and cursive, with the first name "Jeremy" and the last name "Collins" clearly distinguishable.

Jeremy Collins
Coordinator, Acquisitions
Ontario Heritage Trust
416-325-5017

Copy: Laura Hatcher, Heritage Planner/Acting Team Lead, Cultural Services Unit, MTCS (by email only)

Royal Canadian Mounted Police

From: [Breadner, Leslie](mailto:Leslie.Breadner@rcmp-grc.gc.ca)
To: ["windfarm_coordinator@rcmp-grc.gc.ca"](mailto:windfarm_coordinator@rcmp-grc.gc.ca)
Cc: [Langelier, Francis](mailto:Francis.Langelier@edf-en.ca); [O'Neill, Nancy](mailto:Nancy.O'Neill@edf-en.ca); ["mark.gallagher@edf-en.ca"](mailto:mark.gallagher@edf-en.ca)
Subject: FW: Proposed Romney Wind Farm Ontario
Date: Thursday, January 12, 2017 3:53:00 PM

DNV GL is currently conducting a communications systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the Below table. A kmz is also available.

Turbine ID	Hub Height (m)	Rotor Diameter (m)	Total Turbine Height (m)	Latitude	Longitude
T1	132	136	200	42° 10' 31.20" N	82° 26' 50.99" W
T2	132	136	200	42° 9' 14.75" N	82° 27' 1.35" W
T3	132	136	200	42° 9' 43.26" N	82° 26' 31.17" W
T4	132	136	200	42° 9' 50.38" N	82° 26' 8.60" W
T5	132	136	200	42° 8' 19.34" N	82° 27' 5.65" W
T6	132	136	200	42° 8' 44.31" N	82° 26' 16.21" W
T7	132	136	200	42° 9' 16.68" N	82° 25' 38.98" W
T8	132	136	200	42° 9' 32.31" N	82° 25' 15.93" W
T9	132	136	200	42° 7' 14.08" N	82° 27' 13.42" W
T10	132	136	200	42° 7' 26.12" N	82° 26' 54.02" W
T11	132	136	200	42° 8' 43.30" N	82° 25' 0.58" W
					82° 26' 8.65" W

T12	132	136	200	42° 6' 48.86" N	W
T13	132	136	200	42° 7' 8.90" N	82° 25' 40.00" W
T14	132	136	200	42° 7' 42.25" N	82° 25' 0.05" W
T15	132	136	200	42° 8' 11.10" N	82° 24' 19.02" W
T16	132	136	200	42° 8' 17.77" N	82° 22' 58.35" W
T17	132	136	200	42° 10' 20.32" N	82° 29' 44.08" W
A1	132	136	200	42° 11' 4.43" N	82° 27' 13.21" W

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Best regards
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com
Mobile | Direct +1 514 272 2175 260
www.dnvgl.com | [LinkedIn](#)



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From: windfarm_coordinator@rcmp-grc.gc.ca
To: [Breadner, Leslie](mailto:Leslie.Breadner@dnvgl.com)
Cc: [Langelier, Francis](mailto:Francis.Langelier@dnvgl.com); [O'Neill, Nancy](mailto:Nancy.O'Neill@dnvgl.com); mark.gallagher@edf-en.ca
Subject: Re: FW: Proposed Romney Wind Farm Ontario
Date: Tuesday, January 24, 2017 1:44:54 PM
Attachments: [ATT00001.gif](#)
[answer.pdf](#)

Good day,

Please see attached for our answer in regards to your request.

If you have questions please do not hesitate to contact us.

Regards

>>> "Breadner, Leslie" <Leslie.Breadner@dnvgl.com> 2017/01/12 3:53 PM >>>

DNV GL is currently conducting a communications systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the Below table. A kmz is also available.

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T5	132	136	200	42° 8' 19.34" N	82° 27' 5.65" W
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					82° 25' 38.98" W

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T10	132	136	200	42° 7' 26.12" N	82° 26' 54.02" W
T11	132	136	200	42° 8' 43.30" N	82° 25' 0.58" W
T12	132	136	200	42° 6' 48.86" N	82° 26' 8.65" W
T13	132	136	200	42° 7' 8.90" N	82° 25' 40.00" W
T14	132	136	200	42° 7' 42.25" N	82° 25' 0.05" W
T15	132	136	200	42° 8' 11.10" N	82° 24' 19.02" W
T16	132	136	200	42° 8' 17.77" N	82° 22' 58.35" W
T17	132	136	200	42° 10' 20.32" N	82° 29' 44.08" W
A1	132	136	200	42° 11' 4.43" N	82° 27' 13.21" W

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Best regards
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com
Mobile | Direct +1 514 272 2175 260
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Protected A

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

GV 1620-7-3

January 24th 2017

Dear Sir,

SUBJECT: Romney Wind Farm

Reference is made to your coordination request email dated 2017 January 12th, on your plans to install a wind farms in the province of Ontario.

No issues were found for your sites.

The RCMP has no nearby facilities which could be impacted by your proposed plan.

If more information is required, or if you have any questions, please don't hesitate to contact us.

Sincerely,

Jules Lefrançois
Spectrum Unit
Tel: 613-993-1005
Fax: 613-998-7528
Email: jules.lefrancois@rcmp-grc.gc.ca

Jonathan Lafrenière
Wind farm administrative coordinator
Tel : 613-949-3806
Fax: 613-998-7528
Email: windfarm_coordinator@rcmp-grc.gc.ca

National Radio Services
CIO Sector
Royal Canadian Mounted Police

Ornge

From: [Breadner, Leslie](#)
To: ["info@ornge.ca"](mailto:info@ornge.ca)
Cc: [O'Neill, Nancy](#); [Langelier, Francis](#); ["mark.gallagher@edf-en.ca"](mailto:mark.gallagher@edf-en.ca)
Subject: Proposed Romney Wind Farm Ontario
Date: Thursday, January 12, 2017 3:44:00 PM
Attachments: [Romney - Turbine Layout.xlsx](#)
[Romney Wind Farm.kmz](#)

DNV GL is currently conducting a communications systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Best regards
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

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NAV CANADA

From: [Breadner, Leslie](#)
To: ["LandUse@navcanada.ca"](mailto:LandUse@navcanada.ca)
Cc: [Langelier, Francis](#); [O'Neill, Nancy](#); ["mark.gallagher@edf-en.ca"](mailto:mark.gallagher@edf-en.ca)
Subject: Proposed Romney Wind Farm Ontario
Date: Thursday, January 12, 2017 3:49:00 PM
Attachments: [Romney - Turbine Layout.xlsx](#)
[Romney Wind Farm.kmz](#)
[Land-Use-Submission-Form-Romney.pdf](#)
[NavCan Wind Turbine Form.xls](#)

DNV GL is currently conducting a communications systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

-
The completed Land Use Submission Form for Romney Wind Farm is attached in accordance to Nav Canada proposal submission procedures.

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Best regards
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com
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Breadner, Leslie

From: Martin, Richard Joseph <MartirJ@navcanada.ca>
Sent: Friday, May 05, 2017 9:27 AM
To: Breadner, Leslie
Cc: , Ontario Region, Transport Canada; CRM5 - WHEATLY (ROBINSON MOTORCYCLES; Vic Gabrielle (vic@gabrieles.com); MOE.ServiceIntegration@ontario.ca
Subject: 17-0071: 18 Wind Turbines (Romney Wind Farm) - Wheatly, ON
Attachments: 17-0071 Coords.xlsx; 17-0071 Letter to proponent.pdf; 17-0071 Construction Start Notice.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Leslie,

Please find attached a letter from NAV CANADA regarding your 18 wind turbines (Romney Wind Farm) submitted on 2017-01-12.

We ask that you notify us at least 10 business days prior to the start of construction. This notification requirement can be satisfactorily met by returning a completed, signed copy of the attached form. If you have any questions, please don't hesitate to contact me.

Thank you for your patience during the evaluation process.

Regards,

RICHARD J. MARTIN
LAND USE SPECIALIST
AERONAUTICAL INFORMATION MANAGEMENT (AIM)
1601 TOM ROBERTS DR
OTTAWA, ON
613 248 4164

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May 5, 2017

Your file
Romney Wind Farm
Our file
17-0071

Ms. Leslie Breadner
DNV GL
4100 Molson Suite 100
Montreal, QC
H1Y 3N1

RE: Wind Farm: 18 Wind Turbines - Wheatly, ON
(See attached spreadsheet)

Ms. Breadner,

We have evaluated the captioned proposal and NAV CANADA has no objection to the project as submitted provided that the following condition is met:

- In the interest of aviation safety, it is incumbent on NAV CANADA to maintain up-to-date aeronautical publications and issue NOTAM as required. To assist us in that end, we ask that you notify us at least 10 business days prior to the start of construction. This notification requirement can be satisfactorily met by returning a completed, signed copy of the attached form by e-mail at landuse@navcanada.ca or fax at 613-248-4094.

Our analysis has found the following impacts on the instrument procedures in the area:

1. Leamington Airport (CLM2):
 - RNAV (GNSS) Runway 19 Approach: Initial left transition altitude needs to be raised from 2100 feet to 2300 feet and Intermediate Minimum Segment Altitude needs to be raised from 1600 feet to 1800 feet
2. Low Level Airway V103:
 - Minimum Obstruction Clearance Altitude (MOCA) between waypoints MAARS and SPHRE needs to be raised from 2200 feet to 2300 feet
3. Low Level Airways V116-396:
 - MOCA between YQG VOR and waypoint OCTAS needs to be raised from 2100 feet to 2300 feet and
 - MOCA between waypoints OCTAS and ERRTH needs to be raised from 2200 feet to 2300 feet
4. Wheatly, ON (CRM5 – Robinson Motorcycles): Obstacle Clearance Circle (OCC) needs to be from 2200 feet to 2300 feet

The nature and magnitude of electronic interference to NAV CANADA ground-based navigation aids, including RADAR, due to wind turbines depends on the location, configuration, number, and size of turbines; all turbines must be considered together for analysis. The interference of wind turbines to certain navigation aids is cumulative and while initial turbines may be approved, continued development may not always be possible.

In the event that you should decide not to proceed with this project, please advise us accordingly so that we may formally close the file.

If you have any questions, contact the Land Use Department by telephone at 1-866-577-0247 or e-mail at landuse@navcanada.ca.

NAV CANADA's land use evaluation is valid for a period of 12 months. Our assessment is limited to the impact of the proposed physical structure on the air navigation system and installations; it neither constitutes nor replaces any approvals or permits required by Transport Canada, Industry Canada, other Federal Government departments, Provincial or Municipal land use authorities or any other agency from which approval is required. Industry Canada addresses any spectrum management issues that may arise from your proposal and consults with NAV CANADA engineering as deemed necessary.

Yours truly,



A handwritten signature in black ink, appearing to read "G. Adamache".

Gheorghe Adamache | NAV CANADA
Manager - AIM IFP Service Delivery

cc ONTR - Ontario Region, Transport Canada
CRM5 - WHEATLY (ROBINSON MOTORCYCLES)
CLM2 - Leamington

Government Mobile Communications Branch
Ministry of Community Safety and
Correctional Services

From: [Breadner, Leslie](#)
To: ["joe.coady@ontario.ca"](mailto:joe.coady@ontario.ca)
Cc: [Langelier, Francis](#); [O'Neill, Nancy](#); ["mark.gallagher@edf-en.ca"](mailto:mark.gallagher@edf-en.ca)
Subject: Proposed Romney Wind Farm Ontario
Date: Thursday, January 12, 2017 3:45:00 PM
Attachments: [Romney - Turbine Layout.xlsx](#)
[Romney Wind Farm.kmz](#)

DNV GL is currently conducting a communications systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Best regards
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com
Mobile | Direct +1 514 272 2175 260
www.dnvgl.com | [LinkedIn](#)

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From: Fox, Mark (MCSCS)
To: [Breadner, Leslie](#)
Cc: [Siddiqui, Mahmood \(MCSCS\)](#); mark.gallagher@edf-en.ca
Subject: Re: Proposed Romney Wind Farm Ontario
Date: Friday, January 13, 2017 10:44:09 AM
Attachments: [image001.jpg](#)
[Romney - Turbine Layout.xlsx](#)
[Romney Wind Farm.kmz](#)

Hi Leslie,

Thank you for your Email and proposed Romney Wind Farm turbine details and placements.

We will review and provide an impact statement for Ontario's public safety mobile radio network utilized by provincial ministries (e.g. OPP, MOHLTC, MTO, etc.). Please be aware that our assessments will not consider other public safety mobile radio networks utilized by federal, regional or local public safety organizations.

Kindly redirect future Wind Farm assessment requests to my attention.

Thanks,

Mark Fox, P. Eng.
Network Radio Engineer
Government Mobile Communications Branch
Justice Technology Services
Ministry of Community Safety and Correctional Services
222 Jarvis Street, 7th floor
Toronto, ON M7A 0B6

Email: mark.fox@ontario.ca
Phone: 416-327-0383
Mobile: 416-524-6547
FAX: 416-327-0353

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From: Breadner, Leslie [<mailto:Leslie.Breadner@dnvgl.com>]
Sent: January 12, 2017 3:46 PM
To: Coady, Joe (MCSCS)
Cc: Langelier, Francis; O'Neill, Nancy; mark.gallagher@edf-en.ca
Subject: Proposed Romney Wind Farm Ontario

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Best regards
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Leslie Breadner
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Environment Canada

From: [Breadner, Leslie](#)
To: ["weatherradars@ec.gc.ca"](mailto:weatherradars@ec.gc.ca)
Cc: [O'Neill, Nancy](#); [Langelier, Francis](#); ["mark.gallagher@edf-en.ca"](mailto:mark.gallagher@edf-en.ca)
Subject: Proposed Romney Wind Farm Ontario
Date: Thursday, January 12, 2017 3:42:00 PM
Attachments: [Romney - Turbine Layout.xlsx](#)
[Romney Wind Farm.kmz](#)

DNV GL is currently conducting a communications systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

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Regards,

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Leslie Breadner
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From: Radars Météo / Weather Radars (EC)
To: [Breadner, Leslie](#); [Radars Météo / Weather Radars \(EC\)](#)
Cc: [O'Neill, Nancy](#); [Langelier, Francis](#); mark.gallagher@edf-en.ca; [Young, Jim \(EC\)](#)
Subject: RE: Proposed Romney Wind Farm Ontario
Date: Monday, January 16, 2017 2:42:53 PM
Attachments: [image001.jpg](#)

Dear Leslie Breadner,

Thank you for contacting the Meteorological Service of Canada, a branch of Environment and Climate Change Canada, regarding your wind energy intentions.

Our preliminary assessment of the information provided to us via e-mail on January 12, 2017 indicates that any potential interference that may be created by the Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario will not be severe. Although we would prefer our radar view to be interference free, this is not always reasonable. As a consequence, we do not have strong objections to the current proposal.

If your plans are modified in any manner (e.g. number of turbines, height, placement or materials) this analysis would no longer be valid. An updated analysis must be conducted.

Please contact us at: ec.radarsmeteo-weatheradars.ec@canada.ca

Thank you for your ongoing cooperation and we wish you success.

Best Regards,

Ingrid Wong

Junior Physical Scientist, Meteorological Service of Canada
Environment and Climate Change Canada / Government of Canada
ingrid.wong@canada.ca / Tel: +1 416-739-4508

Scientifique junior, Service météorologique du Canada
Environnement et Changement climatique Canada / Gouvernement du Canada
ingrid.wong@canada.ca / Tél: +1 416-739-4508

From: Breadner, Leslie [mailto:Leslie.Breadner@dnvgl.com]
Sent: January 12, 2017 3:43 PM
To: Radars Météo / Weather Radars (EC)
Cc: O'Neill, Nancy; Langelier, Francis; mark.gallagher@edf-en.ca
Subject: Proposed Romney Wind Farm Ontario

DNV GL is currently conducting a communications systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies

according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

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Regards,

Best regards
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com
Mobile | Direct +1 514 272 2175 260
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Department of National Defence

From: [Breadner, Leslie](#)
To: ["Lavoie.MJ6@forces.gc.ca"](mailto:Lavoie.MJ6@forces.gc.ca)
Cc: [O'Neill, Nancy](#); [Langelier, Francis](#)
Subject: Proposed Romney Wind Farm Ontario
Date: Thursday, January 12, 2017 3:36:00 PM
Attachments: [Romney - Turbine Layout.xlsx](#)
[Romney Wind Farm.kmz](#)

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From: [Breadner, Leslie](#)
To: ["windturbines@forces.gc.ca"](mailto:windturbines@forces.gc.ca)
Cc: [Langelier, Francis](#); [O'Neill, Nancy](#); ["mark.gallagher@edf-en.ca"](mailto:mark.gallagher@edf-en.ca)
Subject: Proposed Romney Wind Farm Ontario
Date: Thursday, January 12, 2017 3:38:00 PM
Attachments: [Romney - Turbine Layout.xlsx](#)
[Romney Wind Farm.kmz](#)

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E-mail leslie.breadner@dnvgl.com
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From: +WindTurbines@forces.gc.ca
To: [Breadner, Leslie](#)
Subject: RE: Proposed Romney Wind Farm Ontario
Date: Wednesday, January 18, 2017 12:07:07 PM
Attachments: [image001.jpg](#)

Good afternoon Leslie,

Thank you for your submission. To facilitate our analysis can you please convert/ include the turbine coordinates in decimal degrees?

Thank you for time,

ATESS Wind Turbine Assessment Office

From: Breadner, Leslie [mailto:Leslie.Breadner@dnvgl.com]
Sent: January-12-17 3:38 PM
To: +WindTurbines@ATESS@TRENTON
Cc: Langelier, Francis; O'Neill, Nancy; mark.gallagher@edf-en.ca
Subject: Proposed Romney Wind Farm Ontario

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From: [Breadner, Leslie](#)
To: "+WindTurbines@forces.gc.ca"
Cc: [Langelier, Francis](#); [O'Neill, Nancy](#); ["mark.gallagher@edf-en.ca"](#)
Subject: RE: Proposed Romney Wind Farm Ontario
Date: Wednesday, January 18, 2017 12:19:00 PM
Attachments: [image001.jpg](#)

Thank you for your reply,

Please find the coordinates in decimal degrees below.

Turbine	Latitude	Longitude
T2	42.15409594350	-82.45037548370
T11	42.14535991080	-82.41682807600
T6	42.14564070360	-82.43783485570
T5	42.13870519060	-82.45156949840
T16	42.13826966250	-82.38287470440
T8	42.15897508650	-82.42109134120
T9	42.12057868630	-82.45372920650
T4	42.16399412300	-82.43572158460
T14	42.12840229770	-82.41668072420
T15	42.13641641860	-82.40528206530
T17	42.17231112680	-82.49557929000
T10	42.12392257220	-82.44834047960
T1	42.17533208520	-82.44749627490
T3	42.16201635020	-82.44199171570
T7	42.15463252200	-82.42749476150
A1	42.18456389900	-82.45366850270
T12	42.11357301120	-82.43573715000
T13	42.11913792350	-82.42777940430

Best regards
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
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From: +WindTurbines@forces.gc.ca [mailto:+WindTurbines@forces.gc.ca]

Sent: Wednesday, January 18, 2017 12:05 PM

To: Breadner, Leslie <Leslie.Breadner@dnvgl.com>

Subject: RE: Proposed Romney Wind Farm Ontario

Good afternoon Leslie,

Thank you for your submission. To facilitate our analysis can you please convert/ include the turbine coordinates in decimal degrees?

Thank you for time,

ATESS Wind Turbine Assessment Office

From: Breadner, Leslie [mailto:Leslie.Breadner@dnvgl.com]

Sent: January-12-17 3:38 PM

To: +WindTurbines@ATESS@TRENTON

Cc: Langelier, Francis; O'Neill, Nancy; mark.gallagher@edf-en.ca

Subject: Proposed Romney Wind Farm Ontario

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Canadian Coast Guard

From: [Breadner, Leslie](#)
To: ["Windfarm.Coordinator@DFO-MPO.GC.CA"](#)
Cc: [Langelier, Francis](#); [O'Neill, Nancy](#); ["mark.gallagher@edf-en.ca"](#)
Subject: Proposed Romney Wind Farm Ontario
Date: Thursday, January 12, 2017 3:44:00 PM
Attachments: [Romney - Turbine Layout.xlsx](#)
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From: CCG Wind Farm Coordinator / Coordinateur Parcs Eoliens GCC (DFO/MPO)
To: [Breadner, Leslie](#); [CCG Wind Farm Coordinator / Coordinateur Parcs Eoliens GCC \(DFO/MPO\)](#)
Cc: [Langelier, Francis](#); [O'Neill, Nancy](#); mark.gallagher@edf-en.ca
Subject: RE: Proposed Romney Wind Farm Ontario
Date: Thursday, January 12, 2017 4:39:22 PM
Attachments: [image001.jpg](#)

Hello,

The proposed wind farm (Romney) is located 17 km away from the closest CCG communication site (Leamington).

Therefore no interference issues are anticipated.

Regards / Salutations,

Martin Grégoire, P. Eng

[Canadian Coast Guard](#)

From: Breadner, Leslie [mailto:Leslie.Breadner@dnvgl.com]
Sent: January-12-17 3:44 PM
To: CCG Wind Farm Coordinator / Coordinateur Parcs Eoliens GCC (DFO/MPO)
Cc: [Langelier, Francis](#); [O'Neill, Nancy](#); mark.gallagher@edf-en.ca
Subject: Proposed Romney Wind Farm Ontario

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Leslie Breadner
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DNV GL - Energy

E-mail leslie.breadner@dnvgl.com

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WATER WELLS FIRST

Breadner, Leslie

From: Mark Gallagher
Sent: Thursday, September 01, 2016 2:35 PM
To: Fabiola Oribe
Subject: FW: Your inquiry to WATER WELLS FIRST

For Iris

Mark Gallagher
Senior Developer

C: 514-805-3243

From: Craig Stainton [mailto:executivedirector@ogwa.ca]
Sent: Thursday, September 01, 2016 1:30 PM
To: Mark Gallagher <Mark.Gallagher@edf-en.ca>
Subject: Your inquiry to WATER WELLS FIRST

Dear Mr. Gallagher;

Thank you for your inquiry and your intent to stay on the right side of the apparent conflict between Wind Development and the aquifers of Chatham Kent.

As you should have already discovered the geology and hydrogeology in Chatham Kent is unique with consideration to the majority of Ontario.

While WATER WELLS FIRST does not oppose Wind Development or any type of renewable energy source, the negative impact on the water wells in the area has been apparent and preventing it is WATER WELLS FIRST's cause.

Most rural residents value their wells, are not in favour of municipal water or the carbon footprint the pipelines create. I personally find it odd that generally speaking no one sees the paradox in wind turbines causing extended water lines.

The original indications of a problem came with construction methods (pile driven foundations) in the former Dover Township. This activity disturbed the water bearing sand on top of the black shale which in turn made the water very turbid (dirty). Post construction there was a period where the sand settled. When the wind turbines were put into operation the impact of the interference returned.

WATER WELLS FIRST research has discovered a phenomenon called seismic coupling. In layman's terms – the vibration created by the operation of the turbines transfers down through the foundations into the bedrock, mimicking the vibrations caused by the pile driving. Although well known in Europe; for whatever reason it seems to have been missed or ignored by the MOECC and Wind Developers here.

In your inquiry you mention that you do not expect to need pile foundations, I would point out that we have learned that spread foot foundations have the ability to seismic couple and the true cure is vibration suppression installation in the turbines. You also mention "most people are on water mains". Firstly that is very vague, and secondly it is exactly that indifference to ground water that has the North Kent Wind 1 project before an Environmental Review Tribunal. Every occupied residence, farm or commercial endeavour should be visited and their source of water identified. Many wells may not be used for human consumption but may in fact be in use for farming and other commercial uses. Desk top surveys as produced for North Kent Wind 1 are not worth the time and paper involved. The MOECC Water Well Records Data Base is flawed, many existing wells do not appear in the data.

I volunteer for WATER WELLS FIRST because of my knowledge of ground water, my suggestion is copious study of the area and meaningful interaction with the residents.

Please don't hesitate to contact me again if you have any further questions or wish any clarification.

Craig Stainton 519-282-0063

Bell Media

Breadner, Leslie

From: Lem, Yul <Yul.Lem@bellmedia.ca>
Sent: Wednesday, July 12, 2017 2:34 PM
To: Breadner, Leslie
Cc: Steinhauer, Lane
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Bell Media

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Leslie:

This is to confirm that the listed Bell Media systems are accurate and in operation.

Our microwave link is bi-directional between Windsor and Wheatley:

Windsor, ON 42-18-58 N 83-2-24 W
Tx: 8321.875 MHz
Rx: 8453.125 MHz

Wheatley, ON 42-8-30 N 82-26-48 W
Tx: 8453.125 MHz
Rx: 8321.875 MHz

Please reevaluate your assessment based on this link routing information to ensure your turbines will not be in the path.

Regards,

Yul

Yul Lem, P.Eng. | Senior Manager, RF Transmissions

CTV Inc. | t 416.384.6343 | f 416.384.6339 | yul.lem@bellmedia.ca
9 Channel Nine Court
Scarborough, ON M1S 4B5



From: Breadner, Leslie [<mailto:Leslie.Breadner@dnvgl.com>]
Sent: Friday, June 02, 2017 11:08 AM
To: Steinhauer, Lane
Cc: Langelier, Francis; Nercessian, Aren; O'Neill, Nancy
Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - Bell Media

Attention: Bell Media Inc

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Through our assessment we have identified that a tower with two systems owned by your company are located within the Radio Advisory Board of Canada wind turbine setback distance of Romney turbines (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>).

Coordinates	Address	Call Sign	System	Base Frequency (MHz)
42° 8'33.23"N, 82°26'50.66"W	22066 Zion Rd Wheatley Ontario	VBT210	point-to-point microwave link	8322
		CHWI-DT	Digital TV	485

We request that you confirm the location of your systems, their operational status and the system types.

Turbines 5 and 6 are within the RABC/CANWEA 1km consultation radius around microwave towers. DNV GL believes that the only potential risk of interference in this case would be if signals with similar frequencies originating from radiocommunication systems located on the same tower would reflect off the turbine and distort each other. This is highly dependent on the orientation of each system. DNV GL believes that this risk is low, considering also that no turbines are in the line of sight of the microwave path itself.

Turbines 2, 5 and 6 are within the 2km consultation zone defined by the RABC/CANWEA guidelines for TV broadcasting towers. Mechanisms affecting television interference are complex and the ability to accurately predict this interference is limited. However, digital terrestrial broadcasts are generally considered much less susceptible to interference from wind farms than analog broadcasts. DNV GL does not expect forward scattering of the signal to be a major risk, especially if the signal is strong. (https://www.itu.int/dms_pub/itu-r/opb/rep/R-REP-BT.2142-2-2015-PDF-E.pdf)

	Coordinates	Distance (m)
Turbine 2	42° 9' 14.75" N, 82° 27' 1.35" W	1300
Turbine 5	42° 8' 19.34" N, 82° 27' 5.65" W	550
Turbine 6	42° 8' 44.31" N, 82° 26' 16.21" W	860

The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

We would appreciate your consultation on this matter and ask that you provide any additional information that would aid in our evaluation.

Please contact me with any additional requests for information and/or to provide feedback.

Sincerely
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com
Mobile | Direct +1 514 272 2175 260
www.dnvgl.com | [LinkedIn](#)



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Breadner, Leslie

From: Steinhauer, Lane <Lane.Steinhauer@bellmedia.ca>
Sent: Friday, June 02, 2017 11:09 AM
To: Breadner, Leslie
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Bell Media

Thanks RX the email

Lane

Lane Steinhauer | Director of TV/Radio Engineering and Operations | BellMedia
299 Queen Street West, Toronto, Ontario. M5V 2Z5 | Lane.Steinhauer@BellMedia.ca Office (416) 384-2115 Cell (416) 456-6221

From: Breadner, Leslie [mailto:Leslie.Breadner@dnvgl.com]
Sent: Friday, June 02, 2017 11:08 AM
To: Steinhauer, Lane
Cc: Langelier, Francis; Nercessian, Aren; O'Neill, Nancy
Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - Bell Media

Attention: Bell Media Inc

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Through our assessment we have identified that a tower with two systems owned by your company are located within the Radio Advisory Board of Canada wind turbine setback distance of Romney turbines (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>).

Coordinates	Address	Call Sign	System	Base Frequency (MHz)
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We request that you confirm the location of your systems, their operational status and the system types.

Turbines 5 and 6 are within the RABC/CANWEA 1km consultation radius around microwave towers. DNV GL believes that the only potential risk of interference in this case would be if signals with similar frequencies originating from radiocommunication systems located on the same tower would reflect off the turbine and distort each other. This is highly dependent on the orientation of each system. DNV GL believes that this risk is low, considering also that no turbines are in the line of sight of the microwave path itself.

Turbines 2, 5 and 6 are within the 2km consultation zone defined by the RABC/CANWEA guidelines for TV broadcasting towers. Mechanisms affecting television interference are complex and the ability to accurately predict this interference is limited. However, digital terrestrial broadcasts are generally considered much less susceptible to interference from wind farms than analog broadcasts. DNV GL does not expect forward scattering of the signal to be a major risk, especially if the signal is strong. (https://www.itu.int/dms_pub/itu-r/opb/rep/R-REP-BT.2142-2-2015-PDF-E.pdf)

	Coordinates	Distance (m)
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The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

We would appreciate your consultation on this matter and ask that you provide any additional information that would aid in our evaluation.

Please contact me with any additional requests for information and/or to provide feedback.

Sincerely
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com
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Breadner, Leslie

From: Breadner, Leslie
Sent: Friday, June 02, 2017 11:08 AM
To: 'lane.steinbauer@bellmedia.ca'
Cc: Langelier, Francis; Nercessian, Aren; O'Neill, Nancy
Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - Bell Media

Attention: Bell Media Inc

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Through our assessment we have identified that a tower with two systems owned by your company are located within the Radio Advisory Board of Canada wind turbine setback distance of Romney turbines (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>).

Coordinates	Address	Call Sign	System	Base Frequency (MHz)
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The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

We would appreciate your consultation on this matter and ask that you provide any additional information that would aid in our evaluation.

Please contact me with any additional requests for information and/or to provide feedback.

Sincerely

for GL Garrad Hassan Canada Inc

Leslie Breadner

GIS Analyst, Environmental and Permitting Services

DNV GL - Energy

E-mail leslie.breadner@dnvgl.com

Mobile | Direct +1 514 272 2175 260

www.dnvgl.com | [LinkedIn](#)



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CF Warehouse & Distribution Inc

Breadner, Leslie

From: Breadner, Leslie
Sent: Thursday, June 08, 2017 3:30 PM
To: 'Tom Niefer'
Cc: Nercessian, Aren; Langelier, Francis; O'Neill, Nancy
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - CF Warehouse & Distribution

Thank you Tom for your reply,

I can confirm that the address you provided is outside of the RABC consultation zone for your system, and is more than 4 km from the nearest Romney turbine. We do not expect the Romney Wind Energy Centre to pose any interference to your system, and will consider the matter closed for the purposes of our communication systems assessment.

Please contact me if you have any additional questions or concerns.

Best regards
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com
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From: Tom Niefer [mailto:tom@cfwarehouse.com]
Sent: Monday, June 05, 2017 3:50 PM
To: Breadner, Leslie <Leslie.Breadner@dnvgl.com>
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - CF Warehouse & Distribution

I'm not certain of the correctness of the listed co-ordinates but the address is wrong. Our location is 2415 Hickson Road, Wheatley. There are two radio towers on this property. The frequency you have listed belongs to CF Warehouse. The tower with antenna mast stands approximately 80 feet. It is located very close to our building and could be difficult to see. The second tower belongs to Telus Communications and stands at 200 feet.

You can barely see the radio tower on Google Satellite images. If you look at the image you will see one roof area with solar panels, there is a dividing line on the roof that delineates two buildings joined. On the west side of the build slightly to the south of that joint you will see a faint line at the edge of the roof which is our radio tower.

I hope this helps you out.

Regards.



Tom Niefer

CF Warehouse & Distribution Inc.

Telephone: 519-825-9350

Fax: 519-825-9351

Cell: 519-796-3991

Email: tom@cfwarehouse.com

From: Breadner, Leslie [mailto:Leslie.Breadner@dnvgl.com]

Sent: June 2, 2017 2:11 PM

To: tom@cfwarehouse.com

Cc: Nercessian, Aren; Langelier, Francis; O'Neill, Nancy

Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - CF Warehouse & Distribution

Attention: CF Warehouse and Distribution Inc

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Through our assessment of the Industry Canada public database, we have identified records which indicate that a telecommunication tower owned by your company might be located within the Radio Advisory Board of Canada consultation zone of Romney turbines (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>). However there is no evidence of a tower at this location on aerial imagery.

Tower Coordinates	Address	Call Sign	System	Base Frequency (MHz)
42° 7'39"N 82°25'44"W	1545 3rd Concession Line, Wheatley, ON NOP 2P0, Canada	VXL957	Land Mobile/ Fixed Radio System	460

We request that you confirm the location of your system and its operational status.

Please feel free to contact me with any questions you may have.

Sincerely
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com
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Breadner, Leslie

From: Tom Niefer <tom@cfwarehouse.com>
Sent: Monday, June 05, 2017 3:50 PM
To: Breadner, Leslie
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - CF Warehouse & Distribution

Follow Up Flag: Follow up
Flag Status: Completed

I'm not certain of the correctness of the listed co-ordinates but the address is wrong. Our location is 2415 Hickson Road, Wheatley. There are two radio towers on this property. The frequency you have listed belongs to CF Warehouse. The tower with antenna mast stands approximately 80 feet. It is located very close to our building and could be difficult to see. The second tower belongs to Telus Communications and stands at 200 feet.

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I hope this helps you out.

Regards.



Tom Niefer

CF Warehouse & Distribution Inc.
Telephone: 519-825-9350
Fax: 519-825-9351
Cell: 519-796-3991
Email: tom@cfwarehouse.com

From: Breadner, Leslie [mailto:Leslie.Breadner@dnvgl.com]
Sent: June 2, 2017 2:11 PM
To: tom@cfwarehouse.com
Cc: Nercessian, Aren; Langelier, Francis; O'Neill, Nancy
Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - CF Warehouse & Distribution

Attention: CF Warehouse and Distribution Inc

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Through our assessment of the Industry Canada public database, we have identified records which indicate that a telecommunication tower owned by your company might be located within the Radio Advisory Board of Canada consultation zone of Romney turbines (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>). However there is no evidence of a tower at this location on aerial imagery.

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We request that you confirm the location of your system and its operational status.

Please feel free to contact me with any questions you may have.

Sincerely
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com
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Breadner, Leslie

From: Breadner, Leslie
Sent: Friday, June 02, 2017 2:11 PM
To: 'tom@cfwarehouse.com'
Cc: Nercessian, Aren; Langelier, Francis; O'Neill, Nancy
Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - CF Warehouse & Distribution

Attention: CF Warehouse and Distribution Inc

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Through our assessment of the Industry Canada public database, we have identified records which indicate that a telecommunication tower owned by your company might be located within the Radio Advisory Board of Canada consultation zone of Romney turbines (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>). However there is no evidence of a tower at this location on aerial imagery.

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Please feel free to contact me with any questions you may have.

Sincerely
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

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Mobile | Direct +1 514 272 2175 260
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Chatham-Kent Fire Department

Breadner, Leslie

From: Chris Case <chrisc@chatham-kent.ca>
Sent: Friday, June 02, 2017 2:37 PM
To: Breadner, Leslie
Cc: Langelier, Francis; Nercessian, Aren; O'Neill, Nancy
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Municipality of Chatham Kent

All received,

I will pass these onto Thames Communications (Our comms provider) and Assistant Chief Phil Thornburn who looks after our communications.

Chris Case
Assistant Chief Community Safety & Operations
Municipality of Chatham-Kent Fire and Emergency Services
5 Second Street
Chatham, Ontario
N7M 5X2

Office: +1 (519)-436-3270 Ext 3503

Fax: 519-352-8620

<http://www.ckfire.com>

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From: Breadner, Leslie [mailto:Leslie.Breadner@dnvgl.com]
Sent: June-02-17 2:36 PM
To: Chris Case <chrisc@chatham-kent.ca>
Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy <Nancy.ONeill@dnvgl.com>
Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - Municipality of Chatham Kent

Attention: Municipality of Chatham-Kent Fire Department

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Through our assessment we have identified that a telecommunication tower with a system owned by the Chatham-Kent Fire Department is located within the Radio Advisory Board of Canada consultation zone of Romney turbines (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>).

Tower Coordinates	Address	Call Sign	System	Base Frequency (MHz)
42° 8'33.23"N, 82°26'50.66"W	22066 Zion Rd Wheatley Ontario	VAZ732	Land Mobile/ Fixed Radio System	154

We request that you confirm the location of your system and its operational status.

Turbines 5 and 6 belonging to the Romney project are within the RABC/CANWEA 1km consultation radius around Land Mobile Radio networks. DNV GL believes that the only potential risks of interference in this case would be if signals are blocked or reflected by the turbine, which would occur if the receiver is directly behind or in the immediate vicinity of the turbine respectively. DNV GL believes that this risk is low, especially if the transmitter is not oriented in the direction of a turbine.

	Coordinates	Distance (m)
Turbine 5	42° 8' 19.34" N, 82° 27' 5.65" W	550
Turbine 6	42° 8' 44.31" N, 82° 26' 16.21" W	860

The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

We would appreciate your consultation on this matter and ask that you provide any additional information that would aid in our evaluation.

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Sincerely
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

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Breadner, Leslie

From: Breadner, Leslie
Sent: Friday, June 02, 2017 2:36 PM
To: 'chris@chatham-kent.ca'
Cc: Langelier, Francis; Nercessian, Aren; O'Neill, Nancy
Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - Municipality of Chatham Kent

Attention: Municipality of Chatham-Kent Fire Department

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42° 8'33.23"N, 82°26'50.66"W	22066 Zion Rd Wheatley Ontario	VAZ732	Land Mobile/ Fixed Radio System	154

We request that you confirm the location of your system and its operational status.

Turbines 5 and 6 belonging to the Romney project are within the RABC/CANWEA 1km consultation radius around Land Mobile Radio networks. DNV GL believes that the only potential risks of interference in this case would be if signals are blocked or reflected by the turbine, which would occur if the receiver is directly behind or in the immediate vicinity of the turbine respectively. DNV GL believes that this risk is low, especially if the transmitter is not oriented in the direction of a turbine.

	Coordinates	Distance (m)
Turbine 5	42° 8' 19.34" N, 82° 27' 5.65" W	550
Turbine 6	42° 8' 44.31" N, 82° 26' 16.21" W	860

The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

We would appreciate your consultation on this matter and ask that you provide any additional information that would aid in our evaluation.

Please contact me with any additional requests for information and/or to provide feedback.

Sincerely
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com

Mobile | Direct +1 514 272 2175 260

www.dnvgl.com | [LinkedIn](#)



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We are now the world's largest ship and offshore classification society, the leading technical advisor to the global oil and gas industry, and a leading expert for the energy value chain including renewables and energy efficiency. We've also taken a position as one of the top three certification bodies in the world. Read more here: www.dnvgl.com/merger.

Rogers Communications Ltd

Breadner, Leslie

From: Richard Zhang <Richard.Zhang@rci.rogers.com>
Sent: Thursday, July 06, 2017 10:09 AM
To: Breadner, Leslie; Langelier, Francis; Nercessian, Aren; O'Neill, Nancy
Cc: Phillip Chan; Milan Vujosevic
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Follow Up Flag: Follow up
Flag Status: Completed

Hi,

Rogers Radio Engineering and MW Engineering confirmed that the proposed Wind Turbine installation at location below will not cause objectionable impact on Rogers installation.

	Coordinates	Distance to tower (m)
Turbine 15	42° 8' 11.10" N, 82° 24' 19.02" W	972

Regards,

Richard Zhang PEng
Manager Radio Engineering Central

Radio Engineering
8200 Dixie Road
Brampton, ON L6T 0C1

richard.zhang@rci.rogers.com

m 416 837 9972



From: Milan Vujosevic
Sent: July 6, 2017 10:05 AM
To: Richard Zhang <Richard.Zhang@rci.rogers.com>
Cc: Phillip Chan <Phillip.Chan@rci.rogers.com>
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Richard,

We reviewed a possible impact of the proposed wind turbine farm into MW systems in the area based on the turbine 15 coordinates and available layout on their web site.

We concur that, based on the available information, we do not expect any objectionable impact on our installation.

Thanks,
m

From: Richard Zhang
Sent: July 4, 2017 1:57 PM
To: Milan Vujosevic <Milan.Vujosevic@rci.rogers.com>
Cc: Phillip Chan <Phillip.Chan@rci.rogers.com>
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Hi Milan,

The turbine has little impact on Rogers cell site W30V. Please review impact on MW. I will consolidate the answer and reply back to the Wind Farm.

Regards,

Richard Zhang PEng
Manager Radio Engineering Central

Radio Engineering
8200 Dixie Road
Brampton, ON L6T 0C1

richard.zhang@rci.rogers.com
m 416 837 9972



From: Phillip Chan
Sent: June 27, 2017 10:10 AM
To: Breadner, Leslie <Leslie.Breadner@dnvgl.com>; Richard Zhang <Richard.Zhang@rci.rogers.com>
Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy <Nancy.ONeill@dnvgl.com>; Phillip Chan <Phillip.Chan@rci.rogers.com>
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Hi Richard:

Please take care of this.

Leslie, I have a different job function. Richard Z is responsible for the Rogers outdoor wireless sites in Ontario.

Regards,

Phillip

From: Breadner, Leslie [<mailto:Leslie.Breadner@dnvgl.com>]
Sent: June 27, 2017 10:04 AM
To: Phillip Chan <Phillip.Chan@rci.rogers.com>
Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy <Nancy.ONeill@dnvgl.com>
Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Attention: Rogers Communications Inc

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Through our assessment we have identified that a tower with two telecommunication systems owned by your company are located within the Radio Advisory Board of Canada consultation zone of a Romney turbine (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>).

Coordinates	Address	Identifier	System	Base Frequency (MHz)
42° 7'57.52"N, 82°23'40.80"W	1904 Concession Line 2, Coatsworth, ON	VEL431	point-to-point microwave link	11390
		7091901349	Cellular	824

We request that you confirm the location of your systems and their operational status.

Turbine 15 is within the RABC/CANWEA 1km consultation radius around these systems. DNV GL believes that the only potential risk of interference with the microwave system would be if signals with similar frequencies originating from radiocommunication systems located on the same tower would reflect off the turbine and distort each other. This is highly dependent on the orientation of each system. DNV GL believes that this risk is low, considering also that no turbines are in the line of sight of the microwave path itself.

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	Coordinates	Distance to tower (m)
Turbine 15	42° 8' 11.10" N, 82° 24' 19.02" W	972

The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

We would appreciate your consultation on this matter and ask that you provide any additional information that would aid in our evaluation.

Please contact me with any additional requests for information and/or to provide feedback.

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Leslie Breadner
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Breadner, Leslie

From: Nercessian, Aren
Sent: Tuesday, July 04, 2017 3:41 PM
To: Milan Vujosevic; Breadner, Leslie
Cc: Langelier, Francis; O'Neill, Nancy; Richard Zhang
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Follow Up Flag: Follow up
Flag Status: Completed

Yes, we confirmed that both MW paths on this tower are not obstructed.

The RABC recommended setback includes the 1km setback from towers AND a setback equivalent to 3 x the maximum width of the first Fresnel zone for all MW paths higher than 900 MHz.

Aren

From: Milan Vujosevic [mailto:Milan.Vujosevic@rci.rogers.com]
Sent: July-04-17 3:37 PM
To: Nercessian, Aren; Breadner, Leslie
Cc: Langelier, Francis; O'Neill, Nancy; Richard Zhang
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Hi Alen,

Thank you for the quick reply. My concern is that 1Km radius around cell sites is not the only criteria to trigger coordination. A turbine could be further away from a cell site and still on a MW path.

Regards,
Milan

From: Nercessian, Aren [mailto:aren.nercessian@dnvgl.com]
Sent: July 4, 2017 3:29 PM
To: Milan Vujosevic <Milan.Vujosevic@rci.rogers.com>; Breadner, Leslie <Leslie.Breadner@dnvgl.com>
Cc: Langelier, Francis <francis.langelier@dnvgl.com>; O'Neill, Nancy <Nancy.ONeill@dnvgl.com>; Richard Zhang <Richard.Zhang@rci.rogers.com>
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Hi Milan

While the project's main page does say "up to 20", in reality, the Romney project is limited to 60 MW and will consist of 17 turbine locations (though 18 will be permitted).

T15 is the only turbine located (barely) within 1 km of the tower mentioned below, so we have notified you, as recommended by the RABC guidelines linked in our email below.

The layout map can be found in the Draft Site Plan map pdfs (1 and 2) located on the [project's home page](#).

DNV GL confirms that the both microwave links that communicate with this tower are not obstructed by any turbine (assuming a conservative setback of 3 x the maximum of the first Fresnel zone plus blade length).

We request that you confirm to us in writing if you have any concerns.

Best regards
for Garrad Hassan Canada Inc.

Aren Nercessian
Analyst / Project Development, Engineering Montreal
DNV GL – Energy

E-mail aren.nercessian@dnvgl.com
Direct +1 514 2722175 263
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From: Milan Vujosevic [<mailto:Milan.Vujosevic@rci.rogers.com>]
Sent: July-04-17 3:03 PM
To: Breadner, Leslie
Cc: Langelier, Francis; Nercessian, Aren; O'Neill, Nancy; Richard Zhang
Subject: FW: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Good afternoon,

Following your request we found that the proposed wind turbine farm could have up to 20 turbines. We suggest to run a study with all 20 proposed locations to identify any possible negative impact into MW systems in the area, unless you are certain that your assessment included all possible cases.

To conduct a study we would need location coordinates of all 20 proposed turbines in the same format as below.

Please advise.

Regards,

Milan Vujosevic,
Manager, Microwave Engineering
416-558-8392

From: Richard Zhang
Sent: July 4, 2017 1:53 PM
To: Milan Vujosevic <Milan.Vujosevic@rci.rogers.com>
Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy <Nancy.ONeill@dnvgl.com>; Phillip Chan <Phillip.Chan@rci.rogers.com>; Breadner, Leslie <Leslie.Breadner@dnvgl.com>
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Hi Milan,

Please review the impact of proposed Wind Farm on MW link.

Regards,

Richard Zhang PEng
Manager Radio Engineering Central

Radio Engineering
8200 Dixie Road
Brampton, ON L6T 0C1

richard.zhang@rci.rogers.com

m 416 837 9972



From: Phillip Chan

Sent: June 27, 2017 10:10 AM

To: Breadner, Leslie <Leslie.Breadner@dnvgl.com>; Richard Zhang <Richard.Zhang@rci.rogers.com>

Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy <Nancy.ONeill@dnvgl.com>; Phillip Chan <Phillip.Chan@rci.rogers.com>

Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Hi Richard:

Please take care of this.

Leslie, I have a different job function. Richard Z is responsible for the Rogers outdoor wireless sites in Ontario.

Regards,

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To: Phillip Chan <Phillip.Chan@rci.rogers.com>

Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy <Nancy.ONeill@dnvgl.com>

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Turbine 15	42° 8' 11.10" N, 82° 24' 19.02" W	972

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Please contact me with any additional requests for information and/or to provide feedback.

Sincerely
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GIS Analyst, Environmental and Permitting Services
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Breadner, Leslie

From: Milan Vujosevic <Milan.Vujosevic@rci.rogers.com>
Sent: Tuesday, July 04, 2017 3:37 PM
To: Nercessian, Aren; Breadner, Leslie
Cc: Langelier, Francis; O'Neill, Nancy; Richard Zhang
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Follow Up Flag: Follow up
Flag Status: Completed

Hi Alen,

Thank you for the quick reply. My concern is that 1Km radius around cell sites is not the only criteria to trigger coordination. A turbine could be further away from a cell site and still on a MW path.

Regards,
Milan

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DNV GL – Energy

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From: Milan Vujosevic [mailto:Milan.Vujosevic@rci.rogers.com]

Sent: July-04-17 3:03 PM

To: Breadner, Leslie

Cc: Langelier, Francis; Nercessian, Aren; O'Neill, Nancy; Richard Zhang

Subject: FW: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

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richard.zhang@rci.rogers.com
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Follow Up Flag: Follow up
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Hi Milan

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To conduct a study we would need location coordinates of all 20 proposed turbines in the same format as below.

Please advise.

Regards,

Milan Vujosevic,
Manager, Microwave Engineering
416-558-8392

From: Richard Zhang
Sent: July 4, 2017 1:53 PM
To: Milan Vujosevic <Milan.Vujosevic@rci.rogers.com>
Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy <Nancy.ONeill@dnvgl.com>; Phillip Chan <Phillip.Chan@rci.rogers.com>; Breadner, Leslie <Leslie.Breadner@dnvgl.com>
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Hi Milan,

Please review the impact of proposed Wind Farm on MW link.

Regards,

Richard Zhang PEng
Manager Radio Engineering Central

Radio Engineering
8200 Dixie Road
Brampton, ON L6T 0C1

richard.zhang@rci.rogers.com
m 416 837 9972



From: Phillip Chan
Sent: June 27, 2017 10:10 AM
To: Breadner, Leslie <Leslie.Breadner@dnvgl.com>; Richard Zhang <Richard.Zhang@rci.rogers.com>
Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy <Nancy.ONeill@dnvgl.com>; Phillip Chan <Phillip.Chan@rci.rogers.com>
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Hi Richard:

Please take care of this.

Leslie, I have a different job function. Richard Z is responsible for the Rogers outdoor wireless sites in Ontario.

Regards,

Phillip

From: Breadner, Leslie [<mailto:Leslie.Breadner@dnvgl.com>]

Sent: June 27, 2017 10:04 AM

To: Phillip Chan <Phillip.Chan@rci.rogers.com>

Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy <Nancy.ONeill@dnvgl.com>

Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Attention: Rogers Communications Inc

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Through our assessment we have identified that a tower with two telecommunication systems owned by your company are located within the Radio Advisory Board of Canada consultation zone of a Romney turbine (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>).

Coordinates	Address	Identifier	System	Base Frequency (MHz)
42° 7'57.52"N, 82°23'40.80"W	1904 Concession Line 2, Coatsworth, ON	VEL431	point-to-point microwave link	11390
		7091901349	Cellular	824

We request that you confirm the location of your systems and their operational status.

Turbine 15 is within the RABC/CANWEA 1km consultation radius around these systems. DNV GL believes that the only potential risk of interference with the microwave system would be if signals with similar frequencies originating from radiocommunication systems located on the same tower would reflect off the turbine and distort each other. This is highly dependent on the orientation of each system. DNV GL believes that this risk is low, considering also that no turbines are in the line of sight of the microwave path itself.

DNV GL believes that the only potential risks of interference with the cellular system would be if signals are blocked or reflected by the turbine, which would occur if the receiver is directly behind or in the immediate vicinity of the turbine respectively. DNV GL believes that this risk is low, especially if the transmitter is not oriented in the direction of a turbine.

	Coordinates	Distance to tower (m)
Turbine 15	42° 8' 11.10" N, 82° 24' 19.02" W	972

The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

We would appreciate your consultation on this matter and ask that you provide any additional information that would aid in our evaluation.

Please contact me with any additional requests for information and/or to provide feedback.

Sincerely
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com
Mobile | Direct +1 514 272 2175 260
www.dnvgl.com | [LinkedIn](#)



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Breadner, Leslie

From: Milan Vujosevic <Milan.Vujosevic@rci.rogers.com>
Sent: Tuesday, July 04, 2017 3:03 PM
To: Breadner, Leslie
Cc: Langelier, Francis; Nercessian, Aren; O'Neill, Nancy; Richard Zhang
Subject: FW: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Follow Up Flag: Follow up
Flag Status: Completed

Good afternoon,

Following your request we found that the proposed wind turbine farm could have up to 20 turbines. We suggest to run a study with all 20 proposed locations to identify any possible negative impact into MW systems in the area, unless you are certain that your assessment included all possible cases.

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Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy <Nancy.ONEill@dnvgl.com>; Phillip Chan <Phillip.Chan@rci.rogers.com>; Breadner, Leslie <Leslie.Breadner@dnvgl.com>
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

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Radio Engineering
8200 Dixie Road
Brampton, ON L6T 0C1

richard.zhang@rci.rogers.com
m 416 837 9972



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To: Breadner, Leslie <Leslie.Breadner@dnvgl.com>; Richard Zhang <Richard.Zhang@rci.rogers.com>
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Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

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Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy <Nancy.ONeill@dnvgl.com>
Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Attention: Rogers Communications Inc

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Through our assessment we have identified that a tower with two telecommunication systems owned by your company are located within the Radio Advisory Board of Canada consultation zone of a Romney turbine (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>).

Coordinates	Address	Identifier	System	Base Frequency (MHz)
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		7091901349	Cellular	824

We request that you confirm the location of your systems and their operational status.

Turbine 15 is within the RABC/CANWEA 1km consultation radius around these systems. DNV GL believes that the only potential risk of interference with the microwave system would be if signals with similar frequencies originating from radiocommunication systems located on the same tower would reflect off the turbine and distort each other. This is highly dependent on the orientation of each system. DNV GL believes that this risk is low, considering also that no turbines are in the line of sight of the microwave path itself.

DNV GL believes that the only potential risks of interference with the cellular system would be if signals are blocked or reflected by the turbine, which would occur if the receiver is directly behind or in the immediate vicinity of the turbine

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	Coordinates	Distance to tower (m)
Turbine 15	42° 8' 11.10" N, 82° 24' 19.02" W	972

The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

We would appreciate your consultation on this matter and ask that you provide any additional information that would aid in our evaluation.

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Sincerely
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

E-mail leslie.breadner@dnvgl.com
Mobile | Direct +1 514 272 2175 260
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Breadner, Leslie

From: Richard Zhang <Richard.Zhang@rci.rogers.com>
Sent: Tuesday, July 04, 2017 1:53 PM
To: Milan Vujosevic
Cc: Langelier, Francis; Nercessian, Aren; O'Neill, Nancy; Phillip Chan; Breadner, Leslie
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Follow Up Flag: Follow up
Flag Status: Completed

Hi Milan,

Please review the impact of proposed Wind Farm on MW link.

Regards,

Richard Zhang PEng
Manager Radio Engineering Central

Radio Engineering
8200 Dixie Road
Brampton, ON L6T 0C1

richard.zhang@rci.rogers.com

m 416 837 9972



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Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy <Nancy.ONeill@dnvgl.com>; Phillip Chan <Phillip.Chan@rci.rogers.com>
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Cc: Langelier, Francis <francis.langelier@dnvgl.com>; Nercessian, Aren <aren.nercessian@dnvgl.com>; O'Neill, Nancy

<Nancy.ONeill@dnvgl.com>

Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Attention: Rogers Communications Inc

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Through our assessment we have identified that a tower with two telecommunication systems owned by your company are located within the Radio Advisory Board of Canada consultation zone of a Romney turbine (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>).

Coordinates	Address	Identifier	System	Base Frequency (MHz)
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We request that you confirm the location of your systems and their operational status.

Turbine 15 is within the RABC/CANWEA 1km consultation radius around these systems. DNV GL believes that the only potential risk of interference with the microwave system would be if signals with similar frequencies originating from radiocommunication systems located on the same tower would reflect off the turbine and distort each other. This is highly dependent on the orientation of each system. DNV GL believes that this risk is low, considering also that no turbines are in the line of sight of the microwave path itself.

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	Coordinates	Distance to tower (m)
Turbine 15	42° 8' 11.10" N, 82° 24' 19.02" W	972

The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

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Please contact me with any additional requests for information and/or to provide feedback.

Sincerely
for GL Garrad Hassan Canada Inc

Leslie Breadner
GIS Analyst, Environmental and Permitting Services
DNV GL - Energy

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Breadner, Leslie

From: Phillip Chan <Phillip.Chan@rci.rogers.com>
Sent: Tuesday, June 27, 2017 10:10 AM
To: Breadner, Leslie; Richard Zhang
Cc: Langelier, Francis; Nercessian, Aren; O'Neill, Nancy; Phillip Chan
Subject: RE: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

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Coordinates	Address	Identifier	System	Base Frequency (MHz)
42° 7'57.52"N, 82°23'40.80"W	1904 Concession Line 2, Coatsworth, ON	VEL431	point-to-point microwave link	11390
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We request that you confirm the location of your systems and their operational status.

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	Coordinates	Distance to tower (m)
Turbine 15	42° 8' 11.10" N, 82° 24' 19.02" W	972

The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

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for GL Garrad Hassan Canada Inc

Leslie Breadner
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Breadner, Leslie

From: Breadner, Leslie
Sent: Tuesday, June 27, 2017 10:04 AM
To: 'phillip.chan@rci.rogers.com'
Cc: Langelier, Francis; Nercessian, Aren; O'Neill, Nancy
Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - Rogers

Attention: Rogers Communications Inc

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Through our assessment we have identified that a tower with two telecommunication systems owned by your company are located within the Radio Advisory Board of Canada consultation zone of a Romney turbine (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>).

Coordinates	Address	Identifier	System	Base Frequency (MHz)
42° 7'57.52"N, 82°23'40.80"W	1904 Concession Line 2, Coatsworth, ON	VEL431	point-to-point microwave link	11390
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We request that you confirm the location of your systems and their operational status.

Turbine 15 is within the RABC/CANWEA 1km consultation radius around these systems. DNV GL believes that the only potential risk of interference with the microwave system would be if signals with similar frequencies originating from radiocommunication systems located on the same tower would reflect off the turbine and distort each other. This is highly dependent on the orientation of each system. DNV GL believes that this risk is low, considering also that no turbines are in the line of sight of the microwave path itself.

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	Coordinates	Distance to tower (m)
Turbine 15	42° 8' 11.10" N, 82° 24' 19.02" W	972

The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

We would appreciate your consultation on this matter and ask that you provide any additional information that would aid in our evaluation.

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Sincerely
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Leslie Breadner

GIS Analyst, Environmental and Permitting Services
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Tec-Land Inc

Breadner, Leslie

From: Breadner, Leslie
Sent: Wednesday, June 07, 2017 4:18 PM
To: 'carol@tec-land.com'
Cc: Langelier, Francis; Nercessian, Aren; O'Neill, Nancy
Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - Tec Land Inc

Attention: TEC LAND INC

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm.

Through our assessment we have identified that a telecommunication tower on your property is located within the Radio Advisory Board of Canada consultation zone of Romney turbines (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>).

Coordinates	Address	Call Sign	System	Base Frequency (MHz)
42° 6'54"N 82°25'26"W	1305 Talbot Trail Rr 1, Wheatley, ON	VEU398	Land Mobile/ Fixed Radio System	169

We request that you confirm the location of your system and its operational status.

Turbines 12 and 13 belonging to the Romney project are within the RABC/CANWEA 1km consultation radius around Land Mobile Radio networks. DNV GL believes that the only potential risks of interference in this case would be if signals are blocked or reflected by the turbine, which would occur if the receiver is directly behind or in the immediate vicinity of the turbine respectively. DNV GL believes that this risk is low, especially if the transmitter is not oriented in the direction of a turbine.

	Coordinates	Distance to Tower (m)
Turbine 12	42° 6' 48.86" N, 82° 26' 8.65" W	992
Turbine 13 (on your property)	42° 7' 8.90" N, 82° 25' 40.00" W	561

The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

We would appreciate your consultation on this matter and ask that you provide any additional information that would aid in our evaluation.

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Thames Communication Ltd.

Breadner, Leslie

From: Breadner, Leslie
Sent: Friday, June 02, 2017 2:46 PM
To: 'p.mayrand@thamescom.com'
Cc: Nercessian, Aren; Langelier, Francis; O'Neill, Nancy
Subject: Radiocommunications System Consultation - Romney Wind Energy Centre - Thames Communication

Attention: Thames Communication LTD

DNV GL is currently conducting a communication systems assessment for the proposed Romney wind farm, located approximately 2 km north-east of Wheatley, Ontario.

Through our assessment we have identified that a telecommunication tower with a system owned by the Chatham-Kent Fire Department is located within the Radio Advisory Board of Canada consultation zone of Romney turbines (<http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Guidelines.pdf>).

Tower Coordinates	Address	Call Sign	System	Base Frequency (MHz)
42° 8'33.23"N, 82°26'50.66"W	22066 Zion Rd Wheatley Ontario	XJC615	Land Mobile/ Fixed Radio System	812 MHz

We request that you confirm the location of your system and its operational status.

Turbines 5 and 6 belonging to the Romney project are within the RABC/CANWEA 1km consultation radius around Land Mobile Radio networks. DNV GL believes that the only potential risks of interference in this case would be if signals are blocked or reflected by the turbine, which would occur if the receiver is directly behind or in the immediate vicinity of the turbine respectively. DNV GL believes that this risk is low, especially if the transmitter is not oriented in the direction of a turbine.

	Coordinates	Distance (m)
Turbine 5	42° 8' 19.34" N, 82° 27' 5.65" W	550
Turbine 6	42° 8' 44.31" N, 82° 26' 16.21" W	860

The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page <http://www.edf-en.ca/project/romney/>

We would appreciate your consultation on this matter and ask that you provide any additional information that would aid in our evaluation.

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Sincerely
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Leslie Breadner
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