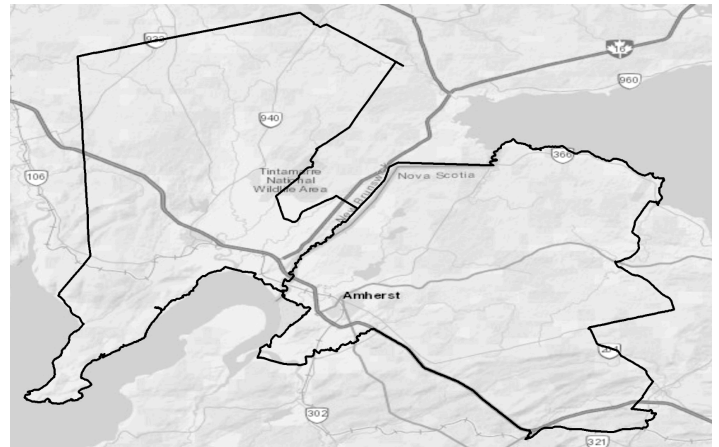


# SURVEY: HOW DO YOU FEEL ABOUT LANDSCAPE CHANGE IN THE CHIGNECTO AREA?

**You have been randomly selected to participate in a survey** on change in the landscape of the Chignecto area, particularly wind farm development. My name is Ellen Chappell and I am working on a Master's of Environmental Studies at Dalhousie University. As a resident of the region, you have been invited to participate in this study and I would greatly appreciate your valuable input to assist with my research. You will have the option to provide a contact phone number or email address to be entered in a draw. **The first 100 respondents will be entered to win one of five \$50 Visa gift cards.** Subsequent respondents will be entered to win one of five \$20 Visa gift cards. Please only complete the survey if you are age 19 or over and have not previously completed this survey.

**The survey will take approximately 15 minutes** and is mostly composed of multiple choice questions. You are asked to share your opinions and there are no right or wrong answers. We hope you answer all the questions, but if you aren't comfortable with any question, just leave it blank and move on to the next. It would be appreciated if you could return this survey in the postage-paid envelope. You will also have the option to provide an email address to receive the results from my study. Your contact information will be stored separately from your survey responses after I receive them so your responses remain confidential.

**Personally identifying information will not be asked for in the survey.** Survey responses will only be reported as overall results and individual responses will never be made public. There are a few written answer questions in this survey, which are optional. If you choose to answer these questions, your answers may be quoted anonymously. As surveys are anonymous, you will not be able to withdraw your responses after submission. If you have any ethical concerns about your participation in this survey, please contact Dalhousie's Research Ethics Office by email ([ethics@dal.ca](mailto:ethics@dal.ca)) or by phone (902) 494-3423. If you have any other questions or concerns, please email me or my supervisor, Dr. Kate Sherren ([kate.sherren@dal.ca](mailto:kate.sherren@dal.ca)).



**You are receiving this survey if your postal code begins with either B4H or E4L. Throughout this survey this area is referred to as “the Chignecto area”.**

You should have already received a postcard letting you know that you have been randomly selected. We will be using multiple reminders to ensure the responses we get are representative of the residents of the Chignecto area. A reminder will come in the mail in about 10 days. This survey has a unique number that will be used to ensure that people who have already completed the survey or have chosen to opt out of the survey do not receive additional reminders. Ideally you will return the survey completed, but if you do not wish to participate you can tick the box below and return the survey to be taken off the reminder list or you can simply ignore this survey and following reminders.

- ☐ I do not wish to participate in this survey.
- ☐ I do not live in the Chignecto area (postal code E4L or B4H).

## THANK YOU!

Ellen Chappell, MES  
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Social Sciences and Humanities  
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Canada



DALHOUSIE  
UNIVERSITY

**1. How often do you see or hear wind turbines?** See photo at right. Please tick yes or no for each statement.

	Yes	No
a. Have you ever seen or heard wind turbines? <i>(If no, skip to Question 2)</i>	<input type="radio"/>	<input checked="" type="radio"/>
b. In the course of a week, do you drive past wind turbines?	<input type="radio"/>	<input type="radio"/>
c. Can you see or hear wind turbines from where you work or study?	<input type="radio"/>	<input type="radio"/>
d. Can you see or hear wind turbines from your home?	<input type="radio"/>	<input type="radio"/>



**2. How do you feel about wind energy?** Please select one option beside each statement depending on whether you agree or disagree.

	Strongly disagree ☹️	Disagree	Neutral	Agree	Strongly agree 😊
a. Wind energy is a cleaner alternative to fossil fuel energy.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Canada is already overbuilt with wind farms.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Wind energy is an economic opportunity.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Wind energy development is unnecessary because we have enough other sources of energy in Canada.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Wind energy should be further developed in Canada for environmental reasons.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Wind energy provides fewer jobs than other energy sources.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**3. How do you feel about the Chignecto area?** Please select one option beside each statement depending on whether you agree or disagree.

	Strongly disagree ☹️	Disagree	Neutral	Agree	Strongly agree 😊
a. The Chignecto area means a lot to me.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. I live in the Chignecto area but do not feel attached to it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. I feel the Chignecto area is a part of me.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. I identify strongly with the Chignecto area.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. I would prefer not to live in the Chignecto area.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**4. Perceptions of past landscape changes: Please read the following information about previous landscape uses and features in the Chignecto area and then respond to the questions by ticking your response.**

**a. Dykes:** Dykes were constructed by the Acadians in the 1600s and 1700s to drain the salt marsh and to create agricultural land. Today, some dykes are being moved or breached to return the salt marsh to its original habitat and to help protect against rising sea levels.



Have you noticed the dykes in the Chignecto area? *(If no, skip to Question 4b.)*

Yes ☐ No ☐

The dykes fit well in the Chignecto landscape.

Disagree ☐ Neutral ☐ Agree ☐

I am sad at the loss of the dykelands.

Disagree ☐ Neutral ☐ Agree ☐

**b. Foundries:** Foundries were established in the Chignecto area for metal processing in the mid-1800s. While some buildings remain, none of the tall smoke stacks remain.



Did you live in the Chignecto area prior to the loss of the foundries? *(If not, skip to Question 4c.)*

Yes ☐ No ☐

The foundries fit well in the Chignecto landscape.

Disagree ☐ Neutral ☐ Agree ☐

I am sad to see the loss of the foundry stacks.

Disagree ☐ Neutral ☐ Agree ☐

**c. Hay barns:** Hay barns were constructed through the 1800s and 1900s to store hay harvested from the marsh to feed horses in the area and for export. At one time there were more than 400 hay barns, but the few remaining today are collapsing.



Have you noticed hay barns in the Chignecto area? *(If no, skip to Question 4d.)*

Yes ☐ No ☐

The hay barns fit well in the Chignecto landscape.

Disagree ☐ Neutral ☐ Agree ☐

I am sad to see the loss of the hay barns.

Disagree ☐ Neutral ☐ Agree ☐

**d. Radio Towers:** The Radio Canada International (RCI) towers were built during WWII to transmit radio to Canada and overseas, and remained until the Internet largely replaced radio. They were dismantled in 2014.



Did you live in the Chignecto area prior to the removal of the RCI towers? *(If not, skip to Question 5.)*

Yes ☐ No ☐

The RCI towers fit well in the Chignecto landscape.

Disagree ☐ Neutral ☐ Agree ☐

I am sad to see the loss of the RCI towers.

Disagree ☐ Neutral ☐ Agree ☐

<b>5. How do you feel about wind energy in the Chignecto area?</b> Please select one option beside each statement depending on whether you agree or disagree.	Strongly disagree ☹️	Disagree	Neutral	Agree	Strongly agree 😊
a. I would be happy to see more wind energy development in the Chignecto area.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. I would not like to see any additional wind turbines in the Chignecto area, but I am okay with the current number.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. I would like to see no wind turbines in the Chignecto area.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Wind turbines do not fit well in the landscape of the Chignecto area.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. I would like any current wind turbines in the Chignecto area to be removed rather than replaced after they reach their 25-year life span.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. I believe wind turbines are a negative addition to the Chignecto landscape.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

<b>6. Do you support wind energy within sight of your home?</b> Please select one option beside each statement depending on whether you agree or disagree.	Strongly disagree ☹️	Disagree	Neutral	Agree	Strongly agree 😊
a. I would prefer not to see wind turbines from my home.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. I think wind turbines can be beautiful and wouldn't mind having a view of them from my home.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Wind turbines can be a useful landmark and tell me I am getting close to home.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. I would not mind seeing wind turbines from my home if they are contributing to clean energy and a more sustainable future.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. I think that wind turbines near my home would have a negative impact on my health.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Seeing wind turbines from my home would ruin my view.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**7. Is there anything you would like to add concerning how you feel about wind energy development?**

<b>8. Does it matter to you where the energy generated by turbines will be used or owned?</b> Please select one option beside each statement depending on whether you agree or disagree.	Strongly disagree ☹	Disagree	Neutral	Agree	Strongly agree ☺
a. I would more strongly support wind farm development in the Chignecto area if the energy generated is used locally.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. I would more strongly support wind farm development in the Chignecto area if the energy generated is used to replace coal or other fossil fuel energy generation within the region.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Energy is just a commodity; if we can develop it to sell elsewhere (eg. New England), then we should.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. We have enough energy from other sources; more wind turbines would be unnecessary because the additional energy would just be exported.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. I like the idea of generating the energy I use locally.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Seeing wind turbines from my home reminds me that electricity I use has to be generated somewhere.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. I would more strongly support wind farms in the Chignecto area if they were owned locally through cooperatives or municipal corporations.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. I would more strongly support wind farms in the Chignecto area if profits were distributed to local municipalities.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**9. Is there anything not mentioned above that you would like to add about wind turbines, the landscape of the Chignecto area or landscape change where you live?**

**10. Demographics: (Please tick the circle next to your answer.)**

**a. How old are you?**    19-24 ☐    25-34 ☐    35-44 ☐    45-54 ☐    55-64 ☐    65-74 ☐    75+ ☐

**b. What is your gender?**    a. Female ☐    b. Male ☐    c. Non-binary ☐

**c. What is the highest level of formal education that you have completed?**

Elementary / some high school <input type="radio"/>	Trade-apprenticeship <input type="radio"/>
High school graduate / GED <input type="radio"/>	Some university <input type="radio"/>
Some college <input type="radio"/>	University undergraduate degree <input type="radio"/>
College graduate <input type="radio"/>	University graduate degree <input type="radio"/>

**d. What was your approximate total household income before tax in 2017?**

less than \$26,000 <input type="radio"/>	\$76,000 to \$99,999 <input type="radio"/>
\$26,000 to \$50,999 <input type="radio"/>	\$100,000 or more <input type="radio"/>
\$51,000 to \$75,999 <input type="radio"/>	Prefer not to answer <input type="radio"/>

**e. What party best represents your political views, whether or not you vote?**

Green ☐    NDP ☐    Liberal ☐    Conservative ☐    Other ☐

**f. How long have you lived in the Chignecto area?**

Years:    Months:

**g. What is your postal code? (This is only used to calculate your proximity to the wind turbines and won't be reported in survey results.)**