APPENDIX

B-7 PUBLIC CORRESPONDENCE RECORDS

Notice of Commencement Correspondence Record

To: PUCQuestionsLP Subject: RE: Proposed 230 kV Transmission Project route

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 24, 2022 9:56 PM Subject: FW: Proposed 230 kV Transmission Project route

Hello Mr. Halucha,

Thank you for your comments and interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station.

With reference to the attached drawing of the study area, please note the black line shown running west from the Hydro One Third Line Station to the westerly limit, where it turns south and crosses Third Line until it meets the yellow and orange alternatives, is covered by existing PUC easements that have been in place since the early 70's for eventual construction of such a powerline. Therefore, the black line represents the most cost-effective way to reach the west end of the city.

In order to reach the Algoma Steel site, south of the existing PUC easements, there are a number of alternative routes being considered, as indicated by the various coloured options on the attached study area map.

The purpose of the Class EA process is to provide the public and stakeholders the ability to engage and be consulted as part of the EA process. We value your feedback and input. As such, a Public Information Centre / Open House will be held in person late in May. A virtual information session will also be held the week after the in-person session. More details about the project will be provided at the open houses. There will additionally be a second round of in-person and virtual engagement activities at a later stage in the study.

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

Thank you, PUC Transmission LP Project Team

From: John Halucha Sent: April 6, 2022 2:35 PM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: Proposed 230 kV Transmission Project route

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Dear Mr. Parrella,

I am curious why PUC Transmission LP has chosen a route that veers north rather than taking a more direct course to Algoma Steel: from the Third Line Hydro Station south across Third Line for perhaps 50 to 200 metres, then directly west to meet up with the published proposed route mid-way between Goulais Avenue and Allens Sideroad. By my rough reckoning, this would save some 1200 metres. Using your information that the proposed route would be approximately 14 km, this more-direct path would be about 12.8 km. Why would PUC want to add almost 10 per cent to the length of the line with commensurate extra initial construction costs, ongoing maintenance costs, and wasteful line losses for as long as these cables carry huge amounts of electricity to Algoma Steel?

The longer route is a curious choice, especially for a project whose avowed goal is environmental benefit.

In addition, it looks to me as though the more-direct route I described would affect fewer neighbouring residences largely because it does not go some 1.2 kilometres extra in a roundabout course.

I would be grateful if you could explain this to me or suggest whom I could contact for the reasoning that led to an inefficient proposal with extra costs and extra environmental impact. Thank you.

John Halucha

To: Subject:

From: Dominic Parrella Sent: April 1, 2022 5:05 PM To:

Subject: RE: Study Notice EAF

Hi Dennis,

Yes, the proposed line would be running down the centre of the PUC easement on your property as indicated by the yellow line in the clip below. The attached letter was mailed out today to all property owners where PUC's easement crosses their property, for information. The letter includes information about the steel poles and also includes a picture of what the poles will look like. We have not yet done the detailed engineering to know exactly where the poles would go but they would be spaced quite far apart, about 200 m. The first public open house will be held some time in May and you will receive notification by mail of the time and location several weeks in advance.

Let me know if I can provide anything further.

Thanks,



From: Dominic Parrella Sent: April 1, 2022 4:29 PM To: Subject: RE: Study Notice EAF

Hello Dennis,

I will look into this and get back to you as soon as possible.

Thanks, Dominic.

Dominic Parrella, P. Eng. Executive Lead, Special Projects PUC Services Inc. C: 705-941-8386

From: Sent: April 1, 2022 4:17 PM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: Study Notice EAF

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Good Afternoon,

I am looking at the proposed map and it appears that this line would be going through my property and I wanted to know if that is what is being proposed.

My address is 840 Third Line West

Thank you,

Get Outlook for Android

To: Subject:

From: Dominic Parrella Sent: April 2, 2022 5:08 PM To:

Subject: RE: Transmission Project

Hi Marcy,

Thank you for the information and your comments. We will definitely take them into consideration in assessing the various route options to determine a final preferred route.

The first public information centre will be held in May and will be held both in-person and virtual. You will receive notice well in advance.

Regards, Dominic.



Dominic Parrella, P.Eng. Executive Lead, Special Projects PUC Services Inc. 500 Second Line E, Sault Ste Marie, ON, Canada M: 705-941-8386 E: dominic.parrella@ssmpuc.com

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error, please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee, you should not disseminate, distribute or copy this email. Please notify the sender immediately by email if you are not the intended recipient, you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.

From: Sent: April 2, 2022 9:01 AM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: Transmission Project

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Dear Dominic,

We have just received notice of the proposed study area and route options for the PUC Transmission Project.

f) 🕑

As property owners/joint owners of over 100 acres between Allen's Side Road and Chippewa Street, the proposal concerns both our west and east boundaries. We have 1465.35 foot frontage on Allen's Side Road which would affect future property values/development whether it be an under/above ground installation. That would be Route 1-2. Option 3-4 running along our easterly undeveloped corridor would be preferable.

Option 3-4 running along our easterly undeveloped corridor would be preferable As the saying goes.....not in our front yard!

We have registered on the Project mailing list and look forward to future communications.

Respectfully,

Marcy & Tim King

 To:
 Dominic Parrella

 Subject:
 RE: PUC Transmission - Class Environmental Study

From: Dominic Parrella <dominic.parrella@ssmpuc.com> Sent: May 10, 2022 1:48 PM To:

Subject: PUC Transmission - Class Environmental Study

Hello Mr. Lannigan,

Thank you for your call this morning and your comments in relation to the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station.

In regards to your question related to health, Health Canada provides information and guidance on electric and magnetic fields (EMFs) at extremely low frequencies (ELFs) – i.e. 60 Hz. powerline frequencies – at this link; https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-emit-radiation/power-lines-electrical-appliances.html

Also, please see the attached information pamphlet from Health Canada that includes the following statement at the center-bottom of page 2: "Health Canada does not consider that any precautionary measures are needed regarding daily exposures to EMFs at ELFs. There is no conclusive evidence of any harm caused by exposures at levels found in Canadian homes and schools, including those located just outside the boundaries of power line corridors."

Also attached, please find the notice of the first public information centre (PIC) that is scheduled for May 26th, as discussed on our call. This notice is being mailed out to all residences within 500 m of the various line route options and includes details on location and timing.

Thank you, Dominic,

Dominic Parrella, P. Eng. Executive Lead, Special Projects PUC Services Inc. C: 705-941-8386
 To:
 Dominic Parrella

 Subject:
 RE: PUC Transmission EA - 819 Third Line W

From: Dominic Parrella <dominic.parrella@ssmpuc.com> Sent: April 8, 2022 10:48 AM

To:

Cc: ElSetouhy, Lina <Lina.Elsetouhy@wsp.com>; Pariag, Jeremiah <Jeremiah.Pariag@wsp.com>; Squires, Callum <Callum_Squires@golder.com>; Jairus Patterson <jairus.patterson@ssmpuc.com> Subject: PUC Transmission EA - 819 Third Line W

Hello Nadia,

Thank you for your inquiry this morning, it was nice talking with you again.

As we discussed, PUC holds an easement across your property at 819 Third Line West that was originally acquired in the early 70's. I placed a yellow line on the Google Earth View image below to give you a better indication of the proposed location of the powerline. Also, further below, I have included an image of similar steel poles that are on Second Line in the area of North Street to give you an indication of what the poles will look like. The proposed PUC poles will be similar to that shown in this image below.

Let me know if you have any questions.

Best regards, Dominic.

Dominic Parrella, P. Eng. Executive Lead, Special Projects **PUC Services Inc.** C: <u>705-941-8386</u>





 To:
 PUCQuestionsLP

 Subject:
 RE: PUC Transmission LP - response to your inquiry

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 14, 2022 4:15 PM

To:

Cc: ElSetouhy, Lina <Lina.Elsetouhy@wsp.com>; Jairus Patterson <jairus.patterson@ssmpuc.com>; Squires, Callum <Callum_Squires@golder.com>; Pariag, Jeremiah <Jeremiah.Pariag@wsp.com> Subject: PUC Transmission LP - response to your inquiry

Dear Mr. McNichol,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station.

The powerline is proposed for construction along the black line shown on the Study Area map that you received (copy attached for reference). The northerly black line route is contained within PUC easements that are already in place. This is well north of the Greenfield Subdivision.

Health Canada provides information and guidance on electric and magnetic fields (EMFs) at extremely low frequencies (ELFs) – i.e. 60 Hz. powerline frequencies – at this link; https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-emit-radiation/power-lines-electrical-appliances.html

Please see the attached information pamphlet from Health Canada that includes the following statement at the center-bottom of page 2: "Health Canada does not consider that any precautionary measures are needed regarding daily exposures to EMFs at ELFs. There is no conclusive evidence of any harm caused by exposures at levels found in Canadian homes and schools, including those located just outside the boundaries of power line corridors."

Thank you, PUC Transmission LP Project Team

From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>> Sent: April 1, 2022 7:04 PM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe. Kyle McNichol writes,

Four issues I can think of immediately. I live in the 500 m radius. 1. A 230 KV line gives off radiation levels not safe for human exposure. A distance of 300 ft is considered a "safe zone". I cannot believe that a line like this is being run in a new subdivision I need to be notified of proper safety distances and what this will do to my families health and environmental well being ? 2. My home value is going to drop. I want to know what your response is to lowering home values in one of the newest subdivisions in the city. 3. I pay some of the highest taxes in the city. Will our taxes be adjusted based on this electrical exposure ? Will PUC BE REIMBURSING ME for my high tax rate when I live beside this line ? 4. Power bumps ? How much will this tie in with Algoma steel and effect our reliable power supply ?

Preferred method of contact: email Phone: Email:
 To:
 PUCQuestionsLP

 Subject:
 RE: PUC Transmission LP - response to your inquiry

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 14, 2022 4:09 PM

To:

Cc: Pariag, Jeremiah < Jeremiah.Pariag@wsp.com>; ElSetouhy, Lina <Lina.Elsetouhy@wsp.com>; Jairus Patterson < jairus.patterson@ssmpuc.com>; Squires, Callum <Callum_Squires@golder.com> Subject: PUC Transmission LP - response to your inquiry

Dear Mr. Yukich,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station.

Health Canada provides information and guidance on electric and magnetic fields (EMFs) at extremely low frequencies (ELFs) – i.e. 60 Hz. powerline frequencies – at this link; https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-emit-radiation/power-lines-electrical-appliances.html

Please see the attached information pamphlet from Health Canada that includes the following statement at the center-bottom of page 2: "Health Canada does not consider that any precautionary measures are needed regarding daily exposures to EMFs at ELFs. There is no conclusive evidence of any harm caused by exposures at levels found in Canadian homes and schools, including those located just outside the boundaries of power line corridors."

Thank you, PUC Transmission LP Project Team

From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>> Sent: April 4, 2022 12:08 PM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe. john yukich writes,

what are the health issues for this plan to people in Bayview .I see where in that circle.

Preferred method of contact: email Phone: Email:
 To:
 PUCQuestionsLP

 Subject:
 RE: 230 kV Transmission Project (puctransmissionlp.com)

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: May 11, 2022 9:53 AM

To:

Cc: Dominic Parrella <dominic.parrella@ssmpuc.com>; Pariag, Jeremiah <Jeremiah.Pariag@wsp.com> Subject: RE: 230 kV Transmission Project (puctransmissionlp.com)

Hello Mr. Witkoski,

Thank you for your inquiries and interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

In order to address each of your varied questions, we have inserted responses below in red text, in line with your original message.

For up-to-date information on open houses or the status of the project, please visit our website at www.PUCTransmissionLP.com

Thank you, PUC Transmission LP Project Team

-----Original Message-----From: Christopher Witkowski Sent: April 26, 2022 3:47 AM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>>; Jeremiah Pariag <<u>jeremiah.pariag@wsp.com</u>> Subject: 230 kV Transmission Project (puctransmissionIp.com)

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

I live at 316 Laurier Ave. which puts me about 250 meters from the proposed location of the power line. But, Wallace Terrace is not that far south of me and there are houses on the north side of Wallace Terrace. The way it's drawn on the map the power line would run along Wallace Terrace and that seems way too close to the houses. I don't know what Algoma owns just south of Wallace Terrace and, unfortunately, it's not shown on the map. Algoma property should be coloured on the map to better see what might be suitable options. Since this

is for Algoma's benefit it seems that the power line should be run as much inside Algoma's property as possible - I would think at least 100 meters south of Wallace Terrace. Some distance is also required in case towers are toppled.

If there's no way around running the power line close to houses then there's the question of whether the use of coax has been considered for those sections of the power line. Response: This project is still in the early phases and, as such, a number of route options are being considered. The location of the proposed route option along Wallace Terrace is on the south side of the roadway, south of the existing powerline. The property in that area is primarily City of Sault Ste. Marie property that was planned for industrial development. The proposed transmission line is planned as overhead construction that will meet all regulatory requirements for clearances from buildings.

I also have to wonder about the potential for RFI/EMI. How much interference can an arc furnace produce? What measures will be taken to keep it off the power line? I like to listen to AM and shortwave from time to time and I get more interference coming in on the power line than I care for. I've walked around the neighbourhood with a radio, but, haven't determined the source. About all I can be reasonably sure of is that it's being carried on the power lines. I'm probably sufficiently far away from the proposed power line that any interference on it may not affect me, but, those living closer could be.

Response: The electric arc furnaces proposed by Algoma Steel are not in the scope of this Environmental Assessment. For further information on Algoma Steel's project, please contact Brenda Stenta Manager Corporate Communications, Algoma Steel Inc. at brenda.stenta@algoma.com

The dearth of information on this project is not good. You need to disclose all the issues you are aware of and your decisions and reasons for decisions regarding those issues.

Response: As part of the Class Environmental Assessment process, several criteria will be considered and evaluated as part of this route and station options selection process. These criteria typically include natural environment, socio-economic environment, and cultural heritage environment components. These criteria will typically consider the impacts to components such as wildlife species and habitat, as well as proximity to residences and businesses. Further information on these criteria and the work being undertaken will be further discussed at Public Information Centre #1 (In person on May 26th, 2022 and virtually on May 31st, 2022) and PIC #2 (July 2022).

Christopher Witkowski

To: Subject: PUCQuestionsLP RE: 230 kV Transmission Project (puctransmissionlp.com)

-----Original Message-----From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 26, 2022 8:33 PM To: Christopher Witkowski Cc: Pariag, Jeremiah </br/>
Cermiah.Pariag@wsp.com>; Dominic Parrella </br/>
dominic.parrella@ssmpuc.com> Subject: RE: 230 kV Transmission Project (puctransmissionlp.com)

Hello Mr. Witkowski,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

This is to confirm receipt of your message. A member of our team will provide a response to you within 10 business days.

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

Thank you, PUC Transmission LP Project Team

-----Original Message-----From: Christopher Witkowski Sent: April 26, 2022 3:47 AM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>>; Jeremiah Pariag <<u>jeremiah.pariag@wsp.com</u>> Subject: 230 kV Transmission Project (puctransmissionlp.com)

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I live at 316 Laurier Ave. which puts me about 250 meters from the proposed location of the power line. But, Wallace Terrace is not that far south of me and there are houses on the north side of Wallace Terrace. The way it's drawn on the map the power line would run along Wallace Terrace and that seems way too close to the houses. I don't know what Algoma owns just south of Wallace Terrace and, unfortunately, it's not shown on the map. Algoma property should be coloured on the map to better see what might be suitable options. Since this

is for Algoma's benefit it seems that the power line should be run as much inside Algoma's property as possible - I would think at least 100 meters south of Wallace Terrace. Some distance is also required in case towers are toppled.

If there's no way around running the power line close to houses then there's the question of whether the use of coax has been considered for those sections of the power line.

I also have to wonder about the potential for RFI/EMI. How much interference can an arc furnace produce? What measures will be taken to keep it off the power line? I like to listen to AM and shortwave from time to time and I get more interference coming in on the power line than I care for. I've walked around the neighbourhood with a radio, but, haven't determined the source. About all I can be reasonably sure of is that it's being carried on the power lines. I'm probably sufficiently far away from the proposed power line that any interference on it may not affect me, but, those living closer could be.

The dearth of information on this project is not good. You need to disclose all the issues you are aware of and your decisions and reasons for decisions regarding those issues.

Christopher Witkowski

 To:
 Dominic Parrella

 Subject:
 RE: 230 KV transmission project.

From: Dominic Parrella <dominic.parrella@ssmpuc.com> Sent: April 11, 2022 9:15 AM

To: Kelvin Bordin Cc: Jairus Patterson < jairus.patterson@ssmpuc.com>; ElSetouhy, Lina <Lina.Elsetouhy@wsp.com>; Pariag, Jeremiah <Jeremiah.Pariag@wsp.com>; Squires, Callum <Callum_Squires@golder.com>

Subject: RE: 230 KV transmission project.

Hello Mr. Bordin,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

This is to confirm receipt of your message. A member of our team will be providing a response to you within 10 business days.

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

Thank you, PUC Transmission LP Project Team

From: Kelvin Bordin Sent: April 10, 2022 4:00 PM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: 230 KV transmission project.

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Hello,

I recieved the notice regarding the proposed transmission line that's said to be built directly beside my house and neighborhood.

Is this project confirmed or is it still to be determined?

Myself and neighbors are concerned. We are frustrated because there seems to be other options that can be considered, options that won't directly disrupt the community.

This Powerline should not be in such close proximity to family dwellings. That is not safe for families and their children. The area is not zoned as such. It's zoned as rural agricultural. Also, to my understanding the entire area that you are intending to build is reserved for conservation.

As hard working tax payers of this city it is disheartening that a project like this can be decided without any say from the people who will be directly effected.

Thank you for your time and I Hope to discuss this further in order to come to an alternative, less community disruptive option.

Kelvin Bordin

 To:
 PUCQuestionsLP

 Subject:
 RE: 230 KV transmission project.

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 25, 2022 9:07 PM To: Kelvin Bordin Subject: RE: 230 KV transmission project.

Hello Mr. Bordin,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

The purpose of the Class EA process is to provide the public and stakeholders the ability to engage and be consulted as part of the EA process. We value your feedback and input. As such, a Public Information Centre / Open House will be held in person late in May. A virtual information session will also be held the week after the in-person session. We will provide you with notification of the date, time, and location well in advance. More details about the project will be provided at the open houses. There will additionally be a second round of in-person and virtual engagement activities at a later stage in the study.

The powerline is proposed for construction, starting in mid-2023 and anticipated for completion by end of 2024. The PUC holds easements for a powerline corridor, 125 feet in width, across the northerly area of the city, which is adjacent to your property. The powerline is proposed to be built along the center line of those easements. In regards to zoning, please note that electricity transmission facilities are exempt from zoning restrictions.

Health Canada provides information and guidance on electric and magnetic fields (EMFs) at extremely low frequencies (ELFs) – i.e. 60 Hz. powerline frequencies – at this link; https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-emit-radiation/power-lines-electrical-appliances.html.

Please see the attached information pamphlet from Health Canada that includes the following statement at the center-bottom of page 2: "Health Canada does not consider that any precautionary measures are needed regarding daily exposures to EMFs at ELFs. There is no conclusive evidence of any harm caused by exposures at levels found in Canadian homes and schools, including those located just outside the boundaries of power line corridors."

Thank you, PUC Transmission LP Project Team

From: Kelvin Bordin Sent: April 10, 2022 4:00 PM To: Dominic Parrella dominic.parrella@ssmpuc.com Subject: 230 KV transmission project. CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe. Hello.

I recieved the notice regarding the proposed transmission line that's said to be built directly beside my house and neighborhood.

Is this project confirmed or is it still to be determined?

Myself and neighbors are concerned. We are frustrated because there seems to be other options that can be considered, options that won't directly disrupt the community.

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As hard working tax payers of this city it is disheartening that a project like this can be decided without any say from the people who will be directly effected.

Thank you for your time and I Hope to discuss this further in order to come to an alternative, less community disruptive option.

Kelvin Bordin

To: Subject:

Pariag, Jeremiah t: RE: 230 kV Transmission Project

From: Pariag, Jeremiah <Jeremiah.Pariag@wsp.com> Sent: April 19, 2022 10:32 AM To: Raimo Maenpaa Subject: RE: 230 kV Transmission Project

Hi Raimo,

Thank you for your email and for your interest in PUC's Class Environmental Assessment Study for the 230 kV Transmission Project in Sault Ste. Marie, Ontario.

Please note that in the area you noted, the transmission line is proposed to run down the East side of Allen's Side Road. This is proposed as there is a major distribution line on the West side that prevents us from situating the transmission line there.

Please let me know if you have any additional questions, and feel free to visit the project website for project information and updates.

Best regards,

Jeremiah

Jeremiah Pariag M.E.S., IAP2 Consultation and Engagement Lead (Earth & Environment)



T +1 (289) 835-2548

610 Chartwell Road, Suite 300 Oakville, Ontario L6J 4A5 Canada wsp.com Pronouns: he, him, his

From: Raimo Maenpaa Sent: Friday, April 1, 2022 6:37 PM To: Pariag, Jeremiah <<u>Jeremiah.Pariag@wsp.com</u>> Subject: 230 kV Transmission Project

Hello, Mr. Pariag,

We live at 4 Palomino Drive and the side of our property is along Allen's Side Road.

Would you please tell me which side of Allen's Side Road (east side or west side) the transmission line is proposed to run along. I look forward to hearing your response to this question.

Thank you, Mr. Raimo Maenpaa

Sent from Mail for Windows

To:	PUCQuestionsL
Subject:	RE: 230kv line

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: May 26, 2022 9:27 AM To: Dennis Gagne Subject: RE: 230kv line

Hello Mr. Gagne,

Thank you for your feedback in relation to the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV transmission line and station.

Information provided by Health Canada at this link (<u>https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-emit-radiation/power-lines-electrical-appliances.html#a</u>) includes the following:

Power lines and your home

Power lines that distribute electricity around your home emit extremely low frequency EMF. These fields are strongest at their source. This means you are exposed to stronger extremely low EMFs when you are close to a source such as:

- right beside a transformer box
- directly under a high voltage power line

As you move away, your level of exposure rapidly decreases. When you are inside your home, the electric fields from transformer boxes and high voltage power lines are often weaker than the fields from household electrical appliances.

Recommended human exposure limits

The potential health effects of extremely low frequency EMF has been studied extensively. While some people are concerned that long term exposure to extremely low frequency EMF may cause cancer, the scientific evidence does not support such claims.

The International Commission on Non-Ionizing Radiation Protection (ICNIRP) has issued <u>guidelines for limiting exposure</u> to extremely low frequency EMF. These guidelines help ensure that exposures to extremely low frequency EMF do not create electric currents that are stronger than the ones made naturally in your body. The electric signals used by your brain and nervous system make it possible for you to move, think and feel.

Extremely low frequency EMF exposures in Canadian homes, schools and offices are far below the limits recommended in the ICNIRP guidelines. You don't need to take precautions to protect yourself from these kinds of exposures.

Your comments regarding property value impacts have been noted and will be considered as part of the decision-making process.

Please note, as mentioned earlier, the property underneath the transmission line and within the limits of the easements, with the exception of where poles are being proposed, can continue to be used for agricultural purposes or any other use that does not involve permanent buildings subject to the Ontario Building Code.

Also, typically there will be negligible hum or buzz audible from the transmission line. There may be a faint hum during wet weather conditions, however any hum that may result is not expected to be noticeable within your home.

Thank you,

PUC Transmission LP Project Team

From: Dennis Gagne Sent: May 9, 2022 7:19 AM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Re: 230kv line

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Good Morning,

I have read the information you have sent and the effects or lack of effects from living near EMF/ELF sources is not 100% conclusive either way. See below.

"In the past 30 years the concern that daily exposure to extremely low-frequency magnetic fields (ELF-EMF) (1 to 300 Hz) might be harmful to human health (cancer, neurobehavioral disturbances, etc) has been the object of debate, and has become a public health concern. This has resulted in the classification of ELF-EMF into category 2B, ie, agents that are "possibly carcinogenic to humans" by the International Agency for Research on Cancer."

The placement of the 40m metal pole is also a concern and the "hum" that I mentioned earlier was not mentioned in the reply. Nor was the property value and taxes.

Thank you,

Get Outlook for Android

From: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Sent: Wednesday, May 4, 2022, 12:53 p.m. To: Dennis Gagne Subject: RE: 230kv line

Hello Mr. Gagne,

Apologies for the delay in responding, it is our objective to respond to all inquiries within 10 business days.

Thank you for your feedback in relation to the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV transmission line and station.

Health Canada provides information and guidance on electric and magnetic fields (EMFs) at extremely low frequencies (ELFs) – i.e. 60 Hz. powerline frequencies – at this link; https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-emit-radiation/power-lines-electrical-appliances.html

Please see the attached information pamphlet from Health Canada that includes the following statement at the center-bottom of page 2: "Health Canada does not consider that any precautionary measures are needed regarding daily exposures to EMFs at ELFs. There is no conclusive evidence of any harm caused by exposures at levels found in Canadian homes and schools, including those located just outside the boundaries of power line corridors."

Please note, the only restriction related to use of the easement lands is that no permanent buildings that are subject to the Ontario Building Code are permitted within the easement boundaries and that access to power poles must not be impeded.

Thank you, PUC Transmission LP Project Team To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Cc: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Re: 230kv line

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe. Good Afternoon,

I find it disconcerting that I never received a response to my concerns.

Thank you,

Get Outlook for Android

From: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Sent: Thursday, April 21, 2022, 10:45 a.m. To: Dennis Gagne Cc: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: RE: 230kv line

Hello Mr. Gagne,

I have your message and have copied the Environmental Assessment Project Team to request that they respond to your concerns.

Thank you.

Dominic Parrella, P. Eng. Executive Lead, Special Projects PUC Services Inc. C: 705-941-8386

From: Dennis Gagne Sent: April 21, 2022 10:02 AM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: 230kv line

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Good Morning,

I am writing this email today in regards to the 230kv line that is planned to go through my property at 840 Third Line West in Sault Ste Marie, Ontario. As a Father, Husband, Property owner, and resident I have the following concerns:

These are health concerns taken from epidemiological studies done on living near high voltage lines

Short Term

Headaches Fatigue Anxiety Insomnia Prickling/burning skin Rashes Muscle pain

Long Term

Leukemia Brain Tumours i.e. Glioblastoma DNA Damage Neurodegenerative Disease i.e. Alzheimers, Parkinsons Heart Arrhythmia Tinnitus

Some other concerns

Significantly reduces property value due to fear of negative health effects, unpleasant view of 40m steel post, and constant hum from 230kv line. The property will be rendered useless. I will be paying taxes on nearly 4 acres of land that I can no longer use.

I have received permits to develop that part of that land and work was done. Just last year a large section was rototilled to enhance the agriculture.

My family's quality of life is going to be affected by this

These are some of the concerns that I have.

Please reply via this email address. If there is anyone else that should be receiving this email please let me know.

Thank you,

Dennis

Get Outlook for Android

To: Subject: Dominic Parrella RE: Al Woolsey

From: Dominic Parrella <dominic.parrella@ssmpuc.com> Sent: April 6, 2022 7:31 PM To: Allen & Susan Cc: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Subject: RE: Al Woolsey

Hi Allen,

Thank you for pointing this out. I will ensure you are on the mailing list.

Regards, Dominic.



Dominic Parrella, P.Eng. Executive Lead, Special Projects

- O O

PUC Services Inc. 500 Second Line E, Sault Ste Marie, ON, Canada M: 705-941-8386 E: dominic.parrella@ssmpuc.com

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error, please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee, you should not disseminate, distribute or copy this email. Please notify the sender immediately by email if you are not the intended recipient, you are not field that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.

From: Allen & Susan Sent: April 6, 2022 6:14 PM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: Al Woolsey

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Hello

I am writing to ask you to keep us up to date via email on the expansion of lines to Algoma Steel.

We live quite near the route at 696 Third Line West.

I did try to utilize the email service from the website (<u>WWW.PUCTransmissionLP.com</u>) but it would not confirm my application so I have no idea if it worked or not. I did leave a message to that affect but have had no reply as of this date.

My email address is:

Thank you - Allen



 To:
 PUCQuestionsLP

 Subject:
 RE: Class Environment Study for 230 kv Transmission Project

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 19, 2022 10:24 AM To: Susan Lindstedt Subject: RE: Class Environment Study for 230 kv Transmission Project

Hello Ms. Lindstedt,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

This is to confirm receipt of your message. We will add you to our mailing list.

In response to your question, we can advise this project will not affect reliability of electrical service to residential customers in Sault Ste. Marie.

Thank you, PUC Transmission LP Project Team

-----Original Message-----From: Susan Lindstedt Sent: April 6, 2022 3:11 PM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: Class Environment Study for 230 kv Transmission Project

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Good Day

I just received the letter and YES I would like to be kepted in the loop during this project. Firstly what does this mean to myself; such as power interruptions? Tia.

Sent from my iPad

 To:
 PUCQuestionsLP

 Subject:
 RE: Class Environmental Assessment Study

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 26, 2022 4:08 PM To: Jack Flint Subject: RE: Class Environmental Assessment Study

Hello Mr. Flint,

Route Option 2 would be located on the east side of Allen's Side Rd. since there is already a significant distribution powerline on the west side of the roadway. The proposed new transmission line would operate at 230 kV.

With reference to the image below, taken from Google Street View, at the intersection of Allen's Side Rd and Ransome Dr - the poles are 55 foot western red cedar poles (approx. 45 feet above ground to the top of the poles). The top three wires in a triangular configuration are operating at 34.5 kV, while the six wires below that (three on each side of the pole, on standoff insulators) are operating at

Let us know if we can be of any further assistance.

Thank you, PUC Transmission LP Project Team

PUC Transmission LP Project Team

side of Allen's Side Road ?

be carrying ? Thank You

From: PUCOuestionsLP

To: Jack Flint

Hello Mr. Flint.

12.47 kV.

Sent: Monday, April 25, 2022 9:42 PM

Subject: RE: Class Environmental Assessment Study

Let us know if we can be of any further assistance.

John

From: Jack Flint Sent: April 26, 2022 5:17 AM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Re: Class Environmental Assessment Study

Thank you again for the provided information, if the Route option 2 were to be selected, would the installation of the line be installed on the east or the west

As well, what voltages will each of the seven conductors on the new line

Thank you, PUC Transmission LP Project Team
2

From: Jack Flint Sent: April 25, 2022 7:12 AM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Re: Class Environmental Assessment Study

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PUC Transmission LP Project Team

Thank you for the provided information, could you provide me with the specifications on the existing nine wire high voltage line that currently runs on the west side of Allen's Side Road, south of the Second Line ?

Thank You

John

From: PUCQuestionsLP Sent: Sunday, April 24, 2022 10:12 PM To: Jack Flint Subject: RE: Class Environmental Assessment Study

Hello Mr. Flint,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

The in-person open house will be held May 26th at the West End Community Centre, 556 Goulais Ave, from 4:30 to 7:30 pm. A virtual open house will also be held May 31st from 4:30 to 7:30 pm.

The image below, taken from GoogleStreetView, provides an example of the type of steel monopole that is planned for use on this project. This image is taken on Second Line immediately west of North Street.

The steel monopoles planned for this project are in the order of 40 m. tall and will be spaced up to 200 m. apart. They will carry 7 conductors, 3 on each side and 1 at the top of the pole, as in the image below.

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

Thank you, PUC Transmission LP Project Team



From: Jack Flint Sent: April 24, 2022 9:18 AM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: Class Environmental Assessment Study

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Mr. D. Parrella, Executive Lead, Special Projects PUC Transmission LP

Good Morning Dominic,

May I ask you to answer a couple questions on the new the new 230-kV line that will provide increased power to Algoma Steel for the new electric arc furnaces.

Type of pole or tower, number, size and height of wires, etc. that will be used ?

Have they looked at running the new line along the rail line right of way ?

When does the in-person open house take place ?

Thank you

John Flint

 To:
 PUCQuestionsLP

 Subject:
 RE: Proposed 230 kV Transmission Project route

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: May 5, 2022 8:50 AM To: John Halucha Subject: RE: Proposed 230 kV Transmission Project route

Hello Mr. Halucha,

Thank you for your inquiries and interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

In order to address each of your varied questions, we have inserted responses below in red text, in line with your original message.

Thank you, PUC Transmission LP Project Team

From: John Halucha Sent: April 25, 2022 3:10 PM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Cc: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: Re: Proposed 230 kV Transmission Project route

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Dear PUC Transmission LP Project Team,

Thank you for your response to the email I sent Mr. Parrella April 6. Thank you also for your invitation to sign up for your mailing list. Please note that I did sign up for it April 1. I would be grateful if you could send a note to verify that this address, from which I wrote to Mr. Parrella and from which I am replying today, is on that mailing list because I am interested in both the inperson and virtual information sessions. Response: By way of this email, we confirm that john.halucha@outlook.com is on the mailing list.

When you refer to "existing PUC easements that have been in place since the early 70's for eventual construction of such a powerline" are you saying this stretch is a fait accompli and is not part of the current EA? If so, I do not recall any public consultation for that section and am asking for documentation of any EA process connected to it. Response: Please note that all proposed routes are included in this EA process. The existing easements that run across the northerly area of the city comprise part of the common element route (the black lines) that are common to all coloured line options.

Since the first Public Information Centre / Open House will be held in person late in May, I would appreciate a timely response so that I can meaningfully engage and be consulted as part of the EA process.

Because time is of the essence, it would be most efficient if you could share this documentation electronically. However, if the post is your best option then you could send it to

John Halucha 95 Hood Street Sault Ste Marie, ON P6C 6E5

Your explanation that the "black line" of existing PUC easements "represents the most cost-effective way to reach the west end of the city" is puzzling. As I said in my email to Mr. Parrella, the round-about path seems to be some 1200 metres longer than a direct route. Your own web site estimates that poles will be approximately 200 metres apart, which means at least an extra six or seven towers that would need to be manufactured, installed and maintained. It also means an extra 1200 metres of multiple wires that would need to be manufactured, installed and maintained. Please explain how using the round-about proposal would be more "cost-effective". Response: In order to replace the northerly route (as represented with the black line), extensive quantities of new easements would be required. PUC's real estate representatives will work closely with directly impacted property owners to acquire easements that would affect their property. As such, the existing PUC easements provide the most feasible option at this time. This will be discussed further at PIC #1, which is planned for the end of May.

Moreover, since environmental concerns are presumably the focus of an Environmental Assessment such as this, please explain how manufacture, transport, installation and maintenance of these extra towers and lines is more environmentally friendly than a direct route. Also, please outline how much perpetual extra line loss there would in the extra 1200 metres of lines, showing how much per line and how many lines are planned for this initial 300 MW stage and how many would be needed for an additional 300 MW in the future. Such line loss seems to be a waste of energy and contrary to environmental considerations, so please explain how the round-about route is environmentally superior as well as more cost-effective. Response: The study team will consider a number of factors in assessing the preferred route, line losses will be one of those factors. This will be discussed further at PIC #1, which is planned for the end of May.

If the lines are to resemble the lines your web site cites on Lyons Avenue, why could they not run directly along Third Line west to Allens Sideroad? Does the PUC not have easements for existing PUC lines on that route? Surely a thorough Environmental Assessment should include alternatives to the existing round-about PUC easement, including along Third Line and another route through mostly undeveloped lands south of Third Line. Your response does not indicate whether such routes were considered by the PUC Transmission LP Project Team. Clarification would be appreciated. Response: PUC does not have easements along existing municipal road rights-of-way since distribution lines on the streets do not require additional building clearances to the extent that 230 kV transmission lines do. The comments above regarding the cost of acquiring such easements apply here as well.

The round-about route includes wetlands under Sault Ste Marie Region Conservation Authority (SSMRCA) Administration of Ontario Regulation 176/06, including a stream, beaver pond and beaver dam mid-way between Goulais Avenue and Allens Sideroad where the east-west portion turns south to cross Third Line. In your package for me, could you please include any SSMRCA input into the Environmental Assessment, whether in the 1970s or the current EA process or at any time between. I am confident you will expedite this information under the tight time line you described, but will contact SSMRCA directly as well. Response: Please note that electrical transmission lines are not incompatible with conservation lands or associated uses. We do not have any input that SSMRCA provided in the 1970s; however, please find attached the comments provided by SSMRCA as part of this EA. These comments will also be included as part of the Consultation Record that will be developed in the later stages of this project.

Thank you. John Halucha

From: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Sent: April 24, 2022 9:56 PM To:

Subject: FW: Proposed 230 kV Transmission Project route

Hello Mr. Halucha,

Thank you for your comments and interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station.

With reference to the attached drawing of the study area, please note the black line shown running west from the Hydro One Third Line Station to the westerly limit, where it turns south and crosses Third Line until it meets the yellow and orange alternatives, is covered by existing PUC easements that have been in place since the early 70's for eventual construction of such a powerline. Therefore, the black line represents the most cost-effective way to reach the west end of the city.

In order to reach the Algoma Steel site, south of the existing PUC easements, there are a number of alternative routes being considered, as indicated by the various coloured options on the attached study area map.

The purpose of the Class EA process is to provide the public and stakeholders the ability to engage and be consulted as part of the EA process. We value your feedback and input. As such, a Public Information Centre / Open House will be held in person late in May. A virtual information session will also be held the week after the in-person session. More details about the project will be provided at the open houses. There will additionally be a second round of in-person and virtual engagement activities at a later stage in the study.

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

From: John Halucha Sent: April 6, 2022 2:35 PM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: Proposed 230 kV Transmission Project route

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Dear Mr. Parrella,

I am curious why PUC Transmission LP has chosen a route that veers north rather than taking a more direct course to Algoma Steel: from the Third Line Hydro Station south across Third Line for perhaps 50 to 200 metres, then directly west to meet up with the published proposed route mid-way between Goulais Avenue and Allens Sideroad. By my rough reckoning, this would save some 1200 metres. Using your information that the proposed route would be approximately 14 km, this more-direct path would be about 12.8 km. Why would PUC want to add almost 10 per cent to the length of the line with commensurate extra initial construction costs, ongoing maintenance costs, and wasteful line losses for as long as these cables carry huge amounts of electricity to Algoma Steel?

The longer route is a curious choice, especially for a project whose avowed goal is environmental benefit.

In addition, it looks to me as though the more-direct route I described would affect fewer neighbouring residences largely because it does not go some 1.2 kilometres extra in a roundabout course.

I would be grateful if you could explain this to me or suggest whom I could contact for the reasoning that led to an inefficient proposal with extra costs and extra environmental impact. Thank you.

John Halucha

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 24, 2022 8:35 PM To: Harvey Benford Subject: RE: Transmission Study CEA

Dear Mr. Benford,

Thank you for your inquiries and interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

In order to address each of your varied questions, we have inserted responses below in red text, in line with your original message.

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

Thank you, PUC Transmission LP Project Team

-----Original Message-----From: Harvey Benford Sent: April 8, 2022 10:56 AM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: Transmission Study CEA

Good Morning Dominic

In regards to the PUC transmission line assembly I guess I have a few questions more than any concern.

1. Is the feed that runs from Third Line to the recently upgraded station at Gate Three not a Hydro One maintained Transmission Line?

If so would they not have rights or first dibs on the proposed circuit to Station Options 1&2?

Response: Yes, that line is a Hydro One line; however, it does not have the capacity to supply the new additional load of the new electric arc furnaces (EAFs). Also, the line cannot be upgraded while it is in service. A new 230 kV line and station are required, which PUC Transmission is proposing to build.

2. Could the Clerque HG be tied into Algoma's state of the art Co-Gen then to Sta. Option one or two? Response: Generation alone cannot address the problem. New transmission lines are required to get existing generation to the new EAFs.

3. Has or will PUC ever considered getting into the Generation Side of small Hydro Generation like single turbine reliable units ie. Sultan, Spanish River and Lake Hope. Create reliable power with small infrastructure investment tied to your owned(PUC) transmission lines.

4. The biggest question is why did the City and whatever partnership they could form not chase one of the Liberal cancelled gas plants being built in Mississauga and Oakville.

The City and their partners of the day were throwing money into a scheme to burn garbage that of course had to be trucked from the dump before converting it it through the heat/steam/turbine process to electricity. Ill fated and bogus leadership from all involved in that venture.

Now that Natural Gas is be recognized as being "Green"it would be very appropriate to advocate to all levels of Government for PUC, Corporation of SSM, Endridge (Trans Canada) and whoever else to build a plant similar to the two that ended up in Napanee and Lampton County.

All the elements are in place for a short feet to Station one or two and with ample property already designated along Baseline PUC would win by transmission to Third Line and Algoma's Trans West directly to Station Option Two.

This may never happen but a spur or future junction point in Baseline and Allen's Sideroad could've considered in this Study. Response: Please note that PUC Transmission is undertaking this new local transmission infrastructure in order to address the local area transmission system constraints. Information about other PUC undertakings can be found at https://ssmpuc.com/

Thanks for your time, sorry to bother you with rambling on.

Regards

Sent from my iPhone

-----Original Message-----From: Harvey Benford Sent: April 8, 2022 1:11 PM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: Re: Transmission Study CEA

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Thank you, guess spell correct and grammar checks not working on my phone or maybe I should have sat at the computer with my glasses on. PUC is in an envious situation even though you are not into generation but then again not too long you weren't into the Forestry/Utility Arborist side of Transmission Line maintenance either.

Take Care

Sent from my iPhone

> On Apr 8, 2022, at 11:35 AM, Dominic Parrella < dominic.parrella@ssmpuc.com > wrote:

> Hello Mr Benford,

> Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

> This is to confirm receipt of your message. A member of our team will be provide a response to you within 10 business days.

> For up-to-date information on open houses or the status of the project, please sign up for our mailing list at <a href="https://linkprotect.cudasvc.com/url?a=https://asa/2fi/asa

> Thank you,
 > PUC Transmission LP Project Team

>

>-----Original Message----

> From: Harvey Benford

> Sent: April 8, 2022 10:56 AM

> To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>>> Subject: Transmission Study CEA

> CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

> Good Morning Dominic

> In regards to the PUC transmission line assembly I guess I have a few questions more than any concern.

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>HG be tied into Algoma's state of the art Co-Gen then to Sta. Option one or two?

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>4. The biggest question is why did the City and whatever partnership they could form not chase one of the Liberal cancelled gas plants being built in Mississauga and Oakville.

> The City and their partners of the day were throwing money into a scheme to burn garbage that of course had to be trucked from the dump before converting it it through the heat/steam/turbine process to electricity. Ill fated and bogus leadership from all involved in that venture.

> Now that Natural Gas is be recognized as being "Green" it would be very appropriate to advocate to all levels of Government for PUC, Corporation of SSM, Endridge (Trans Canada) and whoever else to build a plant similar to the two that ended up in Napanee and Lampton County.

> All the elements are in place for a short feet to Station one or two and with ample property already designated along Baseline PUC would win by transmission to Third Line and Algoma's Trans West directly to Station Option Two.

> This may never happen but a spur or future junction point in Baseline and Allen's Sideroad could've considered in this Study.

> Thanks for your time, sorry to bother you with rambling on.

> Regards

>

>

> Sent from my iPhone

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 21, 2022 1:29 PM To:

Subject: RE: Website Contact Form

Dear Mr. St. Jean,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station.

Health Canada provides information and guidance on electric and magnetic fields (EMFs) at extremely low frequencies (ELFs) – i.e. 60 Hz. powerline frequencies – at this link; https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-emit-radiation/power-lines-electrical-appliances.html

Please see the attached information pamphlet from Health Canada that includes the following statement at the center-bottom of page 2: "Health Canada does not consider that any precautionary measures are needed regarding daily exposures to EMFs at ELFs. There is no conclusive evidence of any harm caused by exposures at levels found in Canadian homes and schools, including those located just outside the boundaries of power line corridors."

The various route options are not listed in any specific order or preference. The powerline is proposed to be installed overhead. The image below, taken from GoogleStreetView, provides an example of the type of steel monopole that is planned for use on this project. This image is taken on Second Line immediately west of North Street.

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

Thank you, PUC Transmission LP Project Team



From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>> Sent: April 7, 2022 2:44 PM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Steve St. Jean writes,

I live on Brookfield Ave. and I notice on the route option map as per option 4 (green) concerns me as this follows almost wholly on Conservation right of way which is directly behind my residence. The question I have is would this be an above ground (on poles) application or buried, there are currently no above ground lines on any of that proposed route and I think that if this is the plan that it would be a terrible eye sore as well as a hazard to the abundant wildlife and birds that use that area. Are the options in a preferred order by number Steve St. Jean

Preferred method of contact: email Phone: Email: From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 20, 2022 1:35 PM To: Allan Frederick Subject: RE: Website Contact Form

Hello Mr. Frederick,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

This proposed transmission project may provide benefit to PUC Distribution customers in the near future. PUC Transmission's current station design includes the ability to provide several 34.5 kV feeders for PUC Distribution. These feeders will provide new 34.5 kV source in the westerly area of the city that will facilitate the LDC's reconstruction of its existing transformer stations.

PUC Transmission is partnering with Axium Infrastructure Inc. to finance the project. However, the final debt structure is yet to be determined.

The rate of return will be determined once the OEB approves PUC Transmission's cost of service application, which is anticipated to be filed and approved prior to the in-service date of December 2024.

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

Thank you, PUC Transmission LP Project Team

From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>> Sent: April 18, 2022 11:05 AM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Allan Frederick writes,

Will there be any benefits to Puc distribution customers, to shareholders. How is debt structured What is expected rate of return on investment subject to OEB approval

Address:

Preferred method of contact: email Phone: Email:
 To:
 PUCQuestionsLP

 Subject:
 RE: Website Contact Form

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 19, 2022 10:04 AM To:

Subject: RE: Website Contact Form

Hello Sue,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

This is to confirm receipt of your message, you have been added to the mailing list. There was a problem with the input form which has been corrected.

Thank you for pointing this out. PUC Transmission LP Project Team

From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>> Sent: April 6, 2022 9:59 AM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Sue writes,

I went to the mailing list and provided my email address as requested. I then hit the subscribe button ... and nothing happened. There was no confirmation that I had been successful in my quest. Does this lack of confirmation indicate that I made an error or that this portal is not actually functioning?

Preferred method of contact: email Email:

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 18, 2022 10:31 AM

To: Subject: RE: Website Contact Form

Hello Mr. Palaro,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station.

Detailed drawings are not available yet as the project is in the early stages of planning. However, the GoogleStreetView clip below provides an example of the type of steel mono-pole that is planned for use on this project. This image is taken on Second Line immediately east of North Street. Also, attached are preliminary pole specification drawings, as contemplated at this time, for your information.

Thank you,

PUC Transmission LP Project Team



From: PUC Transmission LP <u>noreply@puctransmissionlp.com</u> Sent: April 4, 2022 5:50 PM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

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Kyle palaro writes,

Hey there, I'm very curious about the structure/tower style. Is it possible to see proposed pictures/design. Thank you.

Preferred method of contact: email Email:

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 19, 2022 10:08 AM To:

Subject: RE: Website Contact Form

Hello Mr. Cormier,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station.

The image below, taken from GoogleEarth, shows the approximate location of the proposed powerline, which is represented by the yellow line. The PUC holds easements for a powerline corridor, 125 feet in width, through this area. The yellow line is approximately along the center line of those easements.

Thank you,

PUC Transmission LP Project Team



From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>> Sent: April 6, 2022 6:53 AM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

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Robert Christopher Cormier writes,

In looking at the study map, which property are you planning to cross between Moss Road and Goulais Avenue?

Preferred method of contact: email Phone:

Email:

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 19, 2022 12:17 PM To:

Subject: RE: Website Contact Form

Dear Ms. Fleming,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

The image below, taken from Google Earth, indicates the proposed location of the "green line" option shown on the Study Map (represented here by the yellow line) which is about 330 meters west of the end of Winfield Drive.

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

Thank you,

PUC Transmission LP Project Team



From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>> Sent: April 7, 2022 4:13 PM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

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KATHRYN FLEMING writes,

It's hard to tell where this route goes on Winfield Drive, without labelling of the actual streets and lots, can you elaborate on that?

Preferred method of contact: email Phone: Email:

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 19, 2022 8:23 PM To:

Subject: RE: Website Contact Form

Hello Mr. Direnzo,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

The in-person open house will be held May 26th at the West End Community Centre, 556 Goulais Ave, from 4:30 to 7:30 pm. The virtual open house will be May 31st from 4:30 to 7:30 pm.

The powerlines are proposed to be installed overhead. The image below, taken from GoogleStreetView, provides an example of the type of steel monopole that is planned for use on this project. This image is taken on Second Line immediately west of North Street.

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

Thank you,

PUC Transmission LP Project Team



From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>> Sent: April 7, 2022 3:51 AM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

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rob direnzo writes,

What are the dates of the virtual and in-person open houses? Will the line be installed under ground or above? Can you provide an pic and description of a similar tower if applicable? thanks Rob.

Preferred method of contact: email Phone: Email:

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: April 19, 2022 8:48 PM To:

Subject: RE: Website Contact Form

Hello Mr. Truscott,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

For the potential route option along Allens Side Road within your area, the proposal would be to install new steel poles along the east side of the road within the municipal road right-of-way.

The image below, taken from GoogleStreetView, provides an example of the type of steel monopole that is planned for use on this project. This image is taken on Second Line immediately west of North Street.

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

Thank you,

PUC Transmission LP Project Team



From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>>
Sent: April 11, 2022 12:36 PM
To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>>
Subject: Website Contact Form
CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Question 1: Are the current plans to replace existing poles along the planned route on Allen's side road with the new steel poles or are there addional poles to be installed. Question 2: if the answer to #1 above is additional poles, will these poles be placed on existing right of ways

Address:

Preferred method of contact: email Phone: Email:

Geoffrey Alfred Truscott writes,

Public Information Centre #1 Notice Correspondence Record To: Subject:

John Halucha RE: Alternative common elements route

From: John Halucha Sent: July 13, 2022 1:34 PM

To: PUCQuestionsLP <Questions@PUCTransmissionLP.com>

Cc: ElSetouhy, Lina <Lina.Elsetouhy@wsp.com>; Pariag, Jeremiah <Jeremiah.Pariag@wsp.com>; Jairus Patterson <jairus.patterson@ssmpuc.com>; Skillen, Tamara <Tamara_Skillen@golder.com>; Murtada, Jad <Jad.Murtada@wsp.com>; Dominic Parrella <dominic.parrella@ssmpuc.com>

Subject: Re: Alternative common elements route

Your latest response follows the familiar pattern of evasive and partial answers, along with avoiding questions altogether.

This huge transmission line will continuously feed more than twice as much electricity to Algoma Steel as is consumed from time to time by all the rest of Sault Ste Marie - homes, businesses and other industry combined. It is a long-term project that will deliver that enormous energy for many years after all of us are gone.

If PUC planners had proper environmental awareness and concern they would have set out to find the most direct route possible as the first objective, since the longer the line is the more environmental damage it will do in multiple ways. Instead, they pounced on using a round-about route just because it had been envisaged half a century ago. They put on blinders and focused on details along that circuitous path rather than looking at the big picture. It is a classic case of failing to see the forest for the trees.

I was assured in May that the old path was not a fait accompli and was subject to change as a result of environmental assessment but as I was told later in the same session, PUC had neither examined any other route nor would it do so.

All attempts to convince the engineers that they must look at the biggest environmental flaw of their route - its unnecessary length - have been in vain. Their minds are closed.

It is a shame that a few powerful people backed by an immense budget, large staff and vast resources can force such a short-sighted choice whose environmental cost will be paid by our descendants, including their own, for many generations.

Trying to participate in this flawed environmental assessment in good faith has been an exercise in futility. Any further attempt to make PUC see reason would serve only to lend legitimacy to an "environmental assessment" process that has none.

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: July 7, 2022 9:51 AM

To:

Cc: ElSetouhy, Lina < Lina.Elsetouhy@wsp.com>; Pariag, Jeremiah < Jeremiah.Pariag@wsp.com>; Jairus Patterson < jairus.patterson@ssmpuc.com>; Skillen, Tamara < Tamara < Skillen@golder.com>; Murtada, Jad <a>Jad.Murtada@wsp.com>; Dominic Parrella <dominic.parrella@ssmpuc.com> Subject: FW: Alternative common elements route

Hello Mr. Halucha,

Thank you for your continued interest in the PUC Transmission LP Class EA and for your suggestion of alternative routes. The routes that you have suggested were considered; however, they were not carried forward as options as they were determined to be unfeasible. Some of the factors that were considered in this decision for each of those routes are below:

Alternative Route 1 (Northern route suggestion – May 27th email):

Technical factors:

Line losses: One of the benefits of this route is a shorter line; however, as discussed below, the route is not a feasible option.

Construction cost: Though this route is shorter than the Common Elements Route, the overall cost is expected to be significantly higher due to the shorter span lengths and numerous additional poles required to accommodate the additional turns in the route.

Feasibility: Due to conflict with existing development including new residential development in the area of Peoples Road and Sherbrooke Drive, we have determined that this route is not a technically viable option.

Environmental and Socio-Economic Factors: The total number of structures required to accommodate the additional turns in the route is expected to result in a more significant environmental impact. It is expected that these new residents would identify new social impacts as there is no existing easement protecting the land for such a utility corridor.

Alternative Route 2 (Most recent suggestion – June 18th email):

Technical Factors: Due to conflict with existing development including residential, commercial, and utility infrastructure, the route was determined not to be a technically viable option.

Environmental and Socio-Economic Factors: Similar to Alternative Route #1. it is expected that these new residents would identify new social impacts as there is no existing easement protecting the land for such a utility corridor.

We are pleased to provide more detailed responses to your specific comments or questions below where we have inserted our responses in red italicized text following each item.

Thank you,

PUC Transmission LP Project Team

From: John Halucha

Sent: June 18, 2022 5:51 PM

To: PUCQuestionsLP < Questions@PUCTransmissionLP.com>

Cc: Pariag, Jeremiah < Jeremiah.Pariag@wsp.com>; ElSetouhy, Lina < Lina.Elsetouhy@wsp.com>; Jairus Patterson < jairus.patterson@ssmpuc.com>; Katie Elliott <katie.elliott@ssmpuc.com>; Skillen, Tamara <<u>Tamara_Skillen@golder.com</u>>; Murtada, Jad <<u>Jad.Murtada@wsp.com</u>>; Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>>

Subject: Re: Alternative common elements route

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Thank you for addressing some of the concerns that I posted for the public record June 5, 2022 to https://puctransmissionlp.com/submit-a-question/ and emailed the same day to Jeremiah Pariag with copies to Dominic Parrella and Katie Elliott. However, several aspects of my June 5 message have been missed in your reply, perhaps because it is not to my message submitted for the record June 5 but to a partial preview I sent as a courtesy to Mr. Parrella's personal attention on May 27. Another explanation might be that PUC Transmission LP is tacitly accepting the accuracy of all points that it has ignored.

Before earlier comments and questions not yet addressed by PUC Transmission LP are itemized, has another alternative route yet been considered more or less as sketched in PUC 230 kV alternative route2.jpg, attached: following existing PUC large-line easements from the Hydro One Third Line Station south along Sackville Road to Second Line, then west along Second Line either on the south side where there are no residences (preferred) or the north side as an option, then south along Carmen's Way (either side; I have drawn it on the west side here) and across rail and industrial properties to Station Option 2 near Algoma Steel.

This direct route has many minor adjustments readily available to avoid impediments that PUC Transmission LP experts may identify. It also has so many advantages that PUC Transmission LP should be motivated to make accommodations such as expanding existing easements or acquiring new easements if needed:

a) A length of less than 7 km, roughly half the 14 km using the round-about old path plus one of the Options.

b) Very little, if any, existing residential construction encroached; certainly much less than using the old northern route.

c) No need to further explore Options 1 through 4, all of which involve encroaching on yet more existing residential construction in addition to possible future residential development. Also, the need for many new easements along any of those Option routes would be avoided, saving much time and expense.

d) Reduced compromise of aquifer safety that the old northern route threatens.

In light of these advantages, references to the 1.2 km of transmission line savings under the first alternative proposal are amended below to 7 km. It seems so obviously and vastly superior that I have no explanation why I did not propose it in the first place.

I appreciate that Mr. Parrella personally visited the Sherbrook Drive - Peoples Road site and prepared an update, but am disappointed that many of my points were not addressed despite Mr. Parrella's June 8 assurance of "thorough review and consideration of the points you raise ... We will provide a comprehensive response to your questions and comments as soon as possible." I have used a numbered format here with hope it will assist you to satisfy that assurance.

1a. Does PUC Transmission LP acknowledge that manufacturing, transporting, installing and maintaining 7 km of extra lines and poles would produce extra greenhouse gases, contrary to the stated purpose of substantial public investment in switching Algoma Steel to electric steelmaking?

Answer: Algoma Steel has committed to transitioning its manufacturing process from the integrated basic oxygen steelmaking route to electric arc steelmaking. This process change will shrink Algoma's environmental footprint dramatically, with an expected reduction in greenhouse gas emissions by up to 70%, positioning Algoma as one of the leading producers of green steel in North America. Length of the new line is a consideration and shorter lines are favored wherever possible. The Common Elements Route and alternative route options presented at the PIC #1 comprise the shortest feasible routes required to service Algoma's electric Arc Furnace Station. Other factors considered include number of infrastructure crossings (roads, residences, etc.), constraints on future capital works, existing continuous right-of-way, and other biophysical and socio-economic constraints. The full list of factors and criteria included in the evaluation process will be presented during the upcoming PIC.

1b. While environmental considerations have been termed paramount, PUC has said that cost is a factor. Does PUC Transmission LP acknowledge that manufacturing, transporting, installing and maintaining 7 km of extra lines and poles means extra costs in the immediate construction phase and for as many decades as the transmission line is in service?

Answer: The selection of the preferred route requires a combination of environmental, social and technical criteria applied to feasible route options. Factors include number of infrastructure crossings (roads, residences, etc.), constraints on future capital works, existing continuous right-of-way, and other biophysical and socio-economic constraints. The full list of factors and criteria included in the evaluation process will be presented during the upcoming PIC.

1c. Does PUC Transmission LP acknowledge that these cost savings could be applied to mitigate any costs of developing a shorter and greener route?

Answer: As mentioned, please note that route length is only one factor when determining cost, and cost is only one criterion when selecting a preferred route. Please refer to answers provided for questions 1 and 2 for further information.

2. Mr. Parrella has already acknowledged that an extra 1.2 kilometres of transmission line means extra line losses in perpetuity for every day the current flows, and those losses would be doubled if electricity use were to be doubled for future industrial development. That applies even more significantly if there is an unnecessary extra 7 km of lines. However, PUC Transmission LP has yet to detail the extent of this extra line loss. Please note that I first asked about this on April 6 and was told by you on April 24 that the answer would come at the PIC #1, planned for the end of May. When I asked Mr. Parrella about it at the May 26 meeting, he said those calculations had not been done. I would still appreciate a response to this question, since the extra line loss would be an ongoing waste of energy for generations.

Answer: The Environmental Assessment (EA) process is a comprehensive process that evaluates routes based on a number of factors such as number of infrastructure crossings (roads, residences, etc.), constraints on future capital works, existing continuous right-of-way, and other biophysical and socio-economic constraints. As such, the line losses may differ between routes, but this is not indicative of the overall environmental impact.

3a. Does PUC Transmission LP acknowledge that the 50-year-old route would encroach closely on at least 20 residences? If so, please explain precisely how the old route is superior "based on the degree of current housing development".

3b. If the satellite photo used in the draft proof of concept does not show subsequent housing development as illustrated by Mr. Parrella, perhaps it does not show subsequent housing development along the old route. Has that been investigated by PUC Transmission LP?

3c. After assertions about extra effects on existing housing were demonstrated to be incorrect, Mr. Parrella introduced two future houses plus a "future Residential Subdivision" as a consideration. Has PUC Transmission LP examined whether any future residential construction is being planned along the round-about route?

Answer: The existing PUC easements were put in place decades ago based on foresight that development would eventually necessitate additional utility infrastructure. The easements preclude any residential or commercial development within the easement limits; thereby preserving the land for the exact purpose that is now being proposed, while also protecting other lands from such a use. Furthermore, the existing easements satisfy regulatory requirements for clearances to any existing or future buildings subject to the Ontario Building Code.

4. Please address my June 5 notes about the aquifer: "It should also be noted that the old route extends largely through what the Sault Ste Marie Region Conservation Authority deems Medium Intrinsic Susceptibility of the aquifer, an important source of drinking water in the city. In fact, it either crosses or is very near a small area listed as High Intrinsic Susceptibility. The alternative southern route [including the Carmen's Way alternative] would be entirely in the Low Intrinsic Susceptibility zone. This may have bearing on drinking-water quality due to PUC maintenance of easements, particularly if herbicides or other noxious chemicals are used."

Answer: The Project Team is aware of the aquifer and is completing an assessment of groundwater impacts. Effects and mitigation measures will be noted in the draft Environmental Study Report (ESR). Mitigation measures may include avoiding designated vulnerable areas and continuous discharge monitoring. PUC will be consulting with appropriate regulators to ensure that construction and maintenance of the proposed transmission line is compatible with the city of Sault Ste. Marie's and the Sault Ste. Marie Region Conservation Authority's groundwater recharge or protection zones, and other regulatory requirements.

5a. You write, "As well, the proposed common elements route presented at PIC #1 is, to a large extent, clear of trees and vegetation that would need to be cleared to accommodate the powerline. This newly proposed route would require significantly more vegetation and tree clearing, which is one of the factors being taken into consideration in the Class Environmental Assessment (EA)." Does PUC Transmission LP acknowledge that the old route was largely cleared artificially of trees and vegetation prior to the Class Environmental Assessment? Certainly, in the satellite image much of that "clear" corridor seems to be surrounded by trees and vegetation rather than being clear in its natural state.

Answer: The Class EA considers impacts to the current existing conditions. It is preferrable to choose an option that is on previously disturbed land (i.e., on the existing right-of-way) than to disturb new lands with existing environmental features

5b. Does PUC Transmission LP acknowledge that whatever route is chosen, the vegetation will have to be controlled for the lifetime of the transmission line, whether that is half a century or a century or longer? Wouldn't maintaining a shorter easement over that extended period mitigate any extra costs of clearing a more-direct route one time? Answer: Maintaining a shorter line is preferable. The length of the line is a consideration and shorter lines are favored wherever possible; however, as mentioned, there are several other factors that determine the feasibility of routes. The options presented at the PIC #1 comprise the shortest feasible routes.

6a. Thank you for confirming that, "all of your comments will be included in the Public Information Centre #1 Summary Report and in the consultation summary of the Environmental Study Report." Can you confirm that the comments to be included will be the ones I posted and emailed for that purpose June 5, not the ones I sent in a private email to Mr. Parrella May 27?
6b. Please include your June 17 response and my June 18 reply (this note) in the Public Information Centre #1 Summary Report and in the consultation summary of the Environmental Study Report. I realize it is past your commenting period ending June 9, but it would be unfortunate if these exchanges were to be excluded due to delays not of my doing. I have generally replied to messages the next day since beginning our correspondence April 6 but the same cannot be said for PUC Transmission LP. If necessary, I can provide a dated and itemized list of our exchanges. *Answer: All correspondence to and from you in relation to this EA will form part of the public record.*

I hope that PUC Transmission LP is seriously considering the most energy-efficient route possible for crucial infrastructure that will serve Sault Ste Marie residents and industry for generations rather than relying on a wasteful round-about route proposed a half-century ago.

Thank you, John Halucha

From: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Sent: June 17, 2022 12:41 PM

To: John Halucha

Cc: Pariag, Jeremiah <<u>Jeremiah.Pariag@wsp.com</u>>; ElSetouhy, Lina <<u>Lina.Elsetouhy@wsp.com</u>>; Jairus Patterson <<u>jairus.patterson@ssmpuc.com</u>>; Katie Elliott <<u>katie.elliott@ssmpuc.com</u>>; Skillen, Tamara <<u>Tamara _Skillen@golder.com</u>>; Murtada, Jad <<u>Jad.Murtada@wsp.com</u>>; Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: RE: Alternative common elements route

Hello Mr. Halucha,

Thank you for the alternative route suggestion.

We reviewed your proposed route and have determined that it is not feasible due to property impacts and technical constraints. This is primarily because the aerial imagery on which your route was depicted is outdated and current imagery of the area looks quite different.

The image below shows the area of most concern along your alternate route. This is the area of Sherbrook Drive and Peoples Road.



To further investigate this area, D Parrella visited the site to verify the current status of residential development in the area and found that it is now almost fully developed. As such, we prepared the summary image below noting current development not shown on the map that you had provided.



As shown in the above images, based on the degree of current housing development and other restrictions, we have determined that the newly proposed alternate route is not feasible.

As well, the proposed common elements route presented at PIC #1 is, to a large extent, clear of trees and vegetation that would need to be cleared to accommodate the powerline. This newly proposed route would require significantly more vegetation and tree clearing, which is one of the factors being taken into consideration in the Class Environmental Assessment (EA).

We can confirm that all of your comments will be included in the Public Information Centre #1 Summary Report and in the consultation summary of the Environmental Study Report.

We very much appreciate your input and will be happy to answer any additional questions that you might have.

Thank you, PUC Transmission LP Project Team

From: PUCQuestionsLP Sent: June 11, 2022 2:23 PM To: John Halucha

Cc: Pariag, Jeremiah < <u>Jeremiah.Pariag@wsp.com</u>>; ElSetouhy, Lina < <u>Lina.Elsetouhy@wsp.com</u>>; Jairus Patterson < <u>jairus.patterson@ssmpuc.com</u>>; Katie Elliott < <u>katie.elliott@ssmpuc.com</u>>; Subject: RE: Alternative common elements route

Thank you for your response. We will prepare a written response to your questions.

Best regards, Dominic.



Dominic Parrella, P.Eng.

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Executive Lead, Special Projects PUC Services Inc. 500 Second Line E, Sault Ste Marie, ON, Canada M: 705-941-8386 E: dominic.parrella@ssmpuc.com

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From: John Halucha Sent: June 11, 2022 9:25 AM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Re: Alternative common elements route

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Thank you for your generous invitation to participate in a hour-long virtual meeting with you and apparently members of your team to discuss comments I submitted June 5 for the

Environmental Assessment public record. However, I am uncomfortable at the imposition on your valuable time along with the format and humbly decline.

As detailed in my June 5 note, it appears a shorter, more-direct transmission line would be better on every environmental parameter in the immediate term and in the long term. In addition, as

outlined, the direct option promises to provide net cost savings. I hope that your undertaking to do a thorough review and consideration of the points I raised will result in a shorter, greener and cheaper route being explored without further delay.

If PUC Transmission LP remains single-mindedly dedicated to the 50-year-old plan then an explanation would be welcome when you provide the comprehensive response to my questions and comments to which you committed. Since you were prepared to meet virtually on June 15, I trust it will not be a problem to send an email by then.

Respectfully, John Halucha

From: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Sent: June 10, 2022 3:48 PM To: John Halucha Subject: RE: Alternative common elements route

Hello John.

We are thinking that we can best address the comments and questions you have through a live exchange of information. We would like to do a virtual meeting with you next week, if you are agreeable. Would you be available Wednesday June 15th for an hour, from 3pm to 4pm?

We could do a Teams meeting, if that works for you. Or, if you prefer, we could do a Zoom meeting. Please let me know your preference.

Thank you. Dominic.



Dominic Parrella, P.Eng. **Executive Lead, Special Projects** PUC Services Inc. 500 Second Line E, Sault Ste Marie, ON, Canada M: 705-941-8386 E: dominic.parrella@ssmpuc.com

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From: PUCQuestionsLP Sent: June 8. 2022 1:24 PM To: John Halucha

Cc: Pariag, Jeremiah < Jeremiah.Pariag@wsp.com >; Katie Elliott < katie.elliott@ssmpuc.com > Subject: RE: Alternative common elements route

 Θ

Hello Mr. Halucha,

Thank you for your comments below and at the Public Information Centre, it was a pleasure meeting you at the PIC May 26th. I would just like to confirm that I have your email and we are doing a thorough review and consideration of the points you raise.

Our objective is to respond to all inquiries within 10 working days. We will provide a comprehensive response to your questions and comments as soon as possible.

Thank you. Dominic.

From: John Halucha Sent: May 27, 2022 11:45 AM To: Dominic Parrella < dominic.parrella@ssmpuc.com > Subject: Alternative common elements route

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Dear Mr. Parrella,

Thank you once again for your informative responses to many of my questions at the Public Information Centre / Open House on Thursday. I look forward to answers to my other questions as the Environmental Assessment process unfolds. In the meantime, I have attached a couple of Google Earth satellite images to illustrate one point that I attempted to convey regarding an alternative to the "common elements" route. These are necessarily approximate since I don't have access to your detailed images, but I submit they demonstrate proof of concept and provide a compelling argument that your team should take a closer look at the advantages.

You stressed to me that although cost is a factor, environmental considerations are paramount and encroachment on residential buildings is a major component of that. I believe you will find that the route I have shown here does not intrude on the 125-foot (38.1-metre) width of an easement at any point. The closest it comes to any residences is:

43 metres north of an isolated residence east of Peoples Road (but there is more than 125 metres between this house and residences on the south side of Third Line so considerable

flexibility)

- 61 metres between residences on the east side of Peoples Road
- 50 metres north of isolated buildings east of Moss Road

- 60 metres south of a home on the west side of Moss Road

Contrast this with the existing "common elements" route:

- 80 metres between residences on the east side of Old Goulais Bay Road
- 60 metres between residences on the west side of Old Goulais Bay Road
- 38 metres between residences on the east side of Peoples Road
- 41 metres between residences on the west side of Peoples Road
- 45 metres between a residence on the west side of Brule Road and the middle of the existing easement
- 80 metres between residences on the east side of Moss Road
- 65 metres between residences on the west side of Moss Road
- 33 metres north of an isolated residence east of Goulais Avenue
- 83 metres between residences on the east side of Goulais Avenue
- 49 metres between residences on the west side of Goulais Avenue
- 50 metres between residences on the north side of Third Line

The alternative portion through the uninhabited Fort Creek area offers a lot of flexibility. In the example offered here, it runs as close as about 65 metres behind residences on Third Line. That is about 15 metres more distant than the existing "common elements" route that is as close as 50 metres from homes north of Tallack Boulevard. especially on Kent Crescent, which you told me is not a problem. Similarly, there is a lot of flexibility in the alternative path north of Chippewa street and the rough line drawn here is about 120 metres away from the nearest residence.

Note that the straight line drawn through the industrial property on the west side of Peoples Road would actually require some shifting of transmission lines and/or buildings to abide by the 10-metre minimum clearance.

It should also be noted that the existing "common elements" route extends largely through what the Sault Ste Marie Region Conservation Authority deems Medium Intrinsic Susceptibility of the aquifer, an important source of drinking water in the city. In fact, this route either crosses or is very near to a small area listed as High Intrinsic Susceptibility. The alternative proposed route south of Third Line would be entirely in the Low Intrinsic Susceptibility area. This may have bearing on drinking-water quality due to PUC maintenance of easements, particularly if herbicides or other noxious chemicals are used.

I hope this will help convince you that exploring the more-direct route is warranted for several environmental considerations: less encroachment on existing residences, lower risk to the aquifer and drinking water, lower greenhouse gas emissions with the reduction of manufacture, transportation, installation and maintenance of about 1.25 km of line and poles, and ongoing efficiency of energy use by avoiding an extra 1.25 km of line loss. As you verified at the information centre, that perpetual line loss would be doubled if and when electricity transmission is doubled for future industrial use.

Though environmental concerns are properly paramount, you pointed out that cost is a factor. PUC Transmission LP says the proposed line would be approximately 14 km long and cost about \$100 million, which points to a cost per kilometre of \$7.1 million or \$8.9 million for the extra 1.25 km of the published "common elements" route. No doubt some project costs are not directly tied to purchase of materials and construction, so let us cut that about in half to be generous. This back-of-the envelope calculation indicates a minimum cost saving of \$4.5 million using a more-direct alternative route such as the one illustrated in the attached. Shouldn't that be taken into account for "cost effectiveness" in addition to the paramount environmental improvement?

This project will serve the people and industry of Sault Ste Marie for many decades, and it seems unconscionable to construct such a long-lasting and important project using a route that is environmentally inferior on many grounds just because it was chosen by well-meaning planners half a century ago, when knowledge and concern about the environment was not as well developed as today. It seems obvious that at the very least the alternative should be studied rather than dismissed out of hand.

Upper levels of government have given strong support to the electrification of Algoma Steel furnaces, and implicitly the transmission of more electricity, on environmental grounds including reduction of greenhouse gases. Building an extra 1.25 km of transmission lines runs contrary to that goal and is more expensive besides.

At the Thursday open house, staffer Lina ElSethony said in answer to my queries that the "common elements" route is subject to this environmental assessment but no alternatives were considered because the PUC was satisfied with existing easements. When I said that sounded as though PUC had already made up its mind and would not consider alternatives even though an extra 1.25 kilometres of line was inherently anti-environmental, she assured me that changes to the "common elements" could still be made because you are very early in the assessment process. Her colleague Jairus Patterson joined our conversation part-way through and echoed those assurances. I took their affirmations as sincere, and trust they reflect the general PUC stance.

Because of our face-to-face discussion of this topic, I feel it is only fair to bring this analysis to your personal attention before I submit it for publication on the record in a week or so. That allows some time for you and other professionals on your team to point out flaws in my reasoning. Although I am passionate about the environment and efficiency, I assure you that I have an open mind and am willing to adjust my stance when presented with compelling facts.

John Halucha

PS: At the open house, several staffers who noticed me photographing exhibits kindly informed that the placards and maps were to be posted online later Thursday. I haven't been able to find them as of 11:30 am today and would be grateful if you or one of your team could tell me where they are. Thanks yet again for your help.

To: Subject:

From: Dominic Parrella Sent: June 10, 2022 9:46 AM To: Jack Flint Subject: RE: New Algoma Steel Transmission Line

Hello John,

In relation to your first question below, we anticipate finalizing the route selection in late July to early August. A second PIC will be held at that point to advise the public of the outcome and seek input under the EA process. You will receive notice of the PIC at that time.

Regards, Dominic.

From: Jack Flint Sent: June 9, 2022 9:55 AM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: Re: New Algoma Steel Transmission Line

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Good Morning Mr. Parrella,

Would you have any idea when the new power line route selection will be made ?

Also, the application for getting the avenue of trees along the east side of Allen's Side Road, south of the Second Line, considered for A Heritage Tree Designation requires information on the property ownership. Would you have this information and if so, could you share that with me.

https://forestsontario.ca/en/program/heritage-tree

Thank You

John

From: Dominic Parrella Sent: Monday, June 6, 2022 12:13 PM To: Jack Flint Cc: Corey Gardi Subject: RE: New Algoma Steel Transmission Line

Thank you for providing this Mr. Flint. We will certainly take this into consideration in assessing the various route options.

Regards, Dominic.



Dominic Parrella, P.Eng.

Executive Lead, Special Projects PUC Services Inc. 500 Second Line E, Sault Ste Marie, ON, Canada M: 705-941-8386 E: <u>dominic.parrella@ssmpuc.com</u>



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From: Jack Flint Sent: June 6, 2022 10:23 AM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Cc: Corey Gardi <<u>c.gardi@cityssm.on.ca</u>> Subject: Re: New Algoma Steel Transmission Line

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe. Mr. Parrella.

As requested, here is an electronic copy of the Petition.

We canvassed just Allen's Side Road Residents from the Third Line south to Wallace Terrace with the vast majority signing the Petition. There were only a few that weren't home, but if required we can return this week and present the Petition to them for their consideration.

As well, if required we can certainly expand the scope of the Petition to include those who reside in the area between Allen's Side Road east to Goulais Avenue in the area from the Third Line south to the Base Line to gain a broader consensus. Please let me know if that would be helpful.

I've heard back from the Great Lakes Forestry Center and it appears that the trees in question are Eastern Cottonwood *Populus deltoides* which are apparently not common for this area.

John

PETITION

RE: Proposed PUC Transmission Line Routing

We the undersigned object to having the proposed double circuit 230 kilovolt line routed along the east side of Allen's Side Road as this would result in the removal of over three dozen mature century old trees along Allen's Side Road south of Second Line.

We hereby recommend that the Option 4 route be chosen to retain these irreplaceable trees as well as eliminating the low decibel transmission noise for Allen's Side Road residents during wet conditions.

Please print

Name	House #	Street	Signature
JACK FLINT	247	Allen's Side Road	Polint.
LORI NELSON	231	Allen's Side Road	for Helson
KANDY MARENGER	223	Allen's Side Road	Ky Marenenger
RAWA BIASUCKI	210	Allen's Side Road	Rhiasucer
LYNNE ALLEN	202	Allen's Side Road	Lynneallan
Phik ALLEN	202	Allen's Side Road	Thestel
L Carehan	239	Allen's Side Road	Arapelen
be DECOURCI	291	Allen's Side Road	Toe be berty
Joy DeCourly	291	Allen's Side Road	Jay De Courcy
MARK PARADIS	303	Allen's Side Road	OMark Parodes
ART MORRIS	323	Allen's Side Road	a Monit
JANET MORRIS	323	Allen's Side Road	Monis.
Peggy Christie	,376	Allen's Side Road	Ma Churche
Poland Jaudade	+65	Allen's Side Road	
1 BPochi	524	Allen's Side Road	What.
Ante mo Pecco	57	Allen's Side Road	A'A
TIMOTINY KING	618	Allen's Side Road	14946
Cofoff I Musco TI	601	Allen's Side Road	almas
BAIMO MAENBAA	4	Allen's Side Road	SEE PAGE 3
ALLAN CRIPPS	1136	Allen's Side Road	SEE PAGE 3
Jurgent Forsuth.	(137	Allen's Side Road	2
Maralyn Doherty	36841	Allen's Side Road	Mast

PETITION

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Please	print
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Name	House #	Street	A Signature
Shelly Graham -	368	Allen's Side Road	Mich
Deboral Basara.	380	Allen's Side Road	-
Lindsey Corboy	392	Allen's Side Road	Flashory
STACK SAN HENNESSY	535	Allen's Side Road	1 A
Richard Lacher	741	Allen's Side Road	11 A
Susan eljugo	750	Allen's Side Road	Salyyan
Faymond Knich	585	Allen's Side Road	Karnathan
DALETUCKER	345	Allen's Side Road	X
NITE ARTUSI	734	Allen's Side Road	ma
Sylva Slaw	267	Allen's Side Road	S. Slam
Kim Morrow	394'	Allen's Side Road	K. Masar
Tianna Bagnall	3962	Allen's Side Road	1 Bagnal
M. Dorod dian	525	Allen's Side Road	Ma
Jim Leacock	738	Allen's Side Road	Dim Lowger.
Pot Lento	781	Allen's Side Road	Port Linto
Joanne Grancia	752	Allen's Side Road	Joanne Grance
Mas Spiliano	789	Allen's Side Road	Routoris
Joe Giuliano	789	Allen's Side Road	Justicity
ROD ARCHIBAGO	793	Allen's Side Road	That Arulal
ELAINE FLINT	247	Allen's Side Road	Elaine Flint
-		Allen's Side Road	<i>e</i> .
		Allen's Side Road	

These Residents have side properties that are on Allen's Side Road

PETITION

RE: Proposed PUC Transmission Line Routing

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We hereby recommend that the Option 4 route be chosen to retain these irreplaceable trees as well as eliminating the low decibel transmission noise for Allen's Side Road residents during wet conditions.

Please print

Name	Address	Signature
RAIMO MAENPRA	4 PALOMINO DRIVE	Kult
ALLAN CRIPPS	1136 WAY ACE TERRACE	allan Eupps
Amy Contois	2 Ransome Drive	andCatato
MARIO BRESSAN	5 PALOMISO DRIVE	Man Brown
		N HARFERS

From: Dominic Parrella Sent: Monday, June 6, 2022 9:27 AM To: Jack Flint Cc: Corey Gardi Subject: RE: New Algoma Steel Transmission Line

Hello Mr. Flint,

Thank you for your email. Please submit the petition to my attention. An electronic copy would be sufficient for now. If we require the original hard copy, I will let you know.

Thanks, and regards, Dominic.



Dominic Parrella, P.Eng. Executive Lead, Special Projects

PUC Services Inc. 500 Second Line E, Sault Ste Marie, ON, Canada M: 705-941-8386 E: dominic.parrella@ssmpuc.com

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From: Jack Flint Sent: June 6, 2022 9:15 AM To: Dominic Parrella <a href="https://www.com/source/dominic.parrella@ssmpuc.com/source/dominic.parrella@surrella@ssmpuc.com/source/dominic.parrell

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Mr. Dominic Parrella, P.Eng. Executive Lead, Special Projects

Good Morning Dominic,

After attending the May 26, 2022 In-Person PIC #1 Details meeting, I spoke with several Allen's Side Road residents and we have decided to circulate a Petition to oppose the selection of the Allen's Side Road route and recommend that the Route #4 option be chosen.

The main concern of the Residents was that 40 large majestic trees would have to be removed along the east side of Allen's Side Road south of the Second Line as well as countless other smaller ones in order to install the new power line.

I have contacted the Great Lakes Forestry Center to acquire additional information on this unique stand of trees which have become a prominent west end community landmark for the past several decades.

Also being looked into is having these trees designated as Heritage Trees with the Ontario Urban Forest Council.

As well, following that process and in conjunction with the The Ontario Heritage Act, I have been in contact with our Ward 5 Councillor to request his assistance in having this matter presented to Council for their approval to have the trees in question protected under the Municipal Planning Act, as covered in Sections 135-141.

Please advise as to whom, where and when the above mentioned Petition should be submitted to.

I may be contacted at jif required and again thank you for providing all the requested information in such a timely fashion.

Sincerely,

John Flint







To:Dominic ParrellaSubject:RE: Poperty Ownership

From: Dominic Parrella <dominic.parrella@ssmpuc.com> Sent: June 10, 2022 9:41 AM To: Jack Flint Cc: Corey Gardi <c.gardi@cityssm.on.ca> Subject: RE: Poperty Ownership

Hello John,

We are not a liberty to disclose that information. However, you could contact Mike Kresin at Kresin Engineering, who are the consultants working for the owner in relation to this property. His contact information is listed below.

Regards, Dominic.

> Michael Kresin, P.Eng. Consulting Engineer Kresin Engineering Corporation 536 Fourth Line East, Sault Ste. Marie, ON, P6A 6J8 tei: 705-949-9965

From: Jack Flint Sent: June 10, 2022 6:26 AM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Cc: Corey Gardi <<u>c.gardi@cityssm.on.ca</u>> Subject: Poperty Ownership

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Good Morning Dominic,

As per my previous inquiry on property, do you if you be able to assist me with that information as it will be required to begin the nomination process?

Thank you,

John

From: Hands, Allison - Forests Ontario Sent: Thursday, June 9, 2022 4:56 PM To:

Subject: Welcome to the Heritage Tree Program!

Hi John,

Thank you for signing up to nominate a special tree to be considered for our Heritage Tree Program.

To begin your Heritage Tree nomination, you will need to create a password to access our secure website. To create your password, click here: https://forestsontario.ca/en/auth/password-forgot.

Once you have created your password, you can log in here: https://tools.forestsontario.ca/apps/nominator/.

Once started, you may revisit and edit your nomination as frequently as you wish simply by logging into the secure website. Once you hit "Submit", your nomination will be sent to Forests Ontario for review. Please note that once a nomination has been submitted it can no longer be edited by the nominator. If there is any additional information needed to supplement your application, we will contact you directly.

If you have any questions or require assistance with your application, please feel free contact our office at 1-877-646-1193 or email be directly at ahands@forestontario.ca

Thank you again and good luck!

Allison Hands Education Manager Forests Ontario 15 Maple Ave Unit #103 Barrie, ON, L4N 2N6 416-646-1193 x 228 ahands@forestsontario.ca www.forestrecoverycanada.ca

Be a friend of our forests with a donation to plant more trees. Ensure healthy forests for the future. Donate today!

To: Subject: Dominic Parrella RE: PUC Transmission LP - 230 kV Transmission Line - Sault Ste. Marie

From: Dominic Parrella <dominic.parrella@ssmpuc.com> Sent: June 14, 2022 10:18 AM To: Brian Jennings Subject: RE: PUC Transmission LP - 230 kV Transmission Line - Sault Ste. Marie

Hi Brian,

Sorry, I don't have a cross-section drawing, but I note that the PUC easement is 125 feet in width and that the powerline would be placed at the center of the easement width. As I mentioned, there is some latitude to move the pole location along the easement length in the area of your house. This can be considered in more detail when we get to the detailed engineering phase (over the next month or two). I can confirm however, there will not be any underground service tranches associated with this. I will discuss your request with WSP and get back to you with a more detailed drawing to discuss your preferred pole location with you in more detail.

Also, I may have already mentioned this, but the steel poles will resemble the single steel poles on Second Line east of North St. as in the GoogleEarth image below.



Let me know if I can provide anything further.

Regards, Dominic. Dominic Parrella, P. Eng. Executive Lead, Special Projects

PUC Services Inc. C: <u>705-941-8386</u>

From: Brian Jennings Sent: June 9, 2022 6:36 AM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: RE: PUC Transmission LP - 230 kV Transmission Line - Sault Ste. Marie

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe. Hi Dominic,

Thank you for the quick response and the attached link to the project. Somehow I missed that on the website.

Was hoping that the pole placement would be staggered about the centre line of Old Goulais Bay eliminating the view of the poles. (Similar to Brule Rd.)

Guessing there will be no underground service trenches on the project.

Is there a typical section of the lines at the pole locations showing number of lines and offset to property lines?

Thank you,



Brian Jennings Senior Designer

Phone: 705-949-1457 ext 229 Mobile: 705-975-5778 brian.jennings@tulloch.ca Sault Ste Marie Office | www.TULLOCH.ca

From: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Sent: June 8, 2022 9:26 PM To: Brian Jennings Subject: RE: PUC Transmission LP - 230 kV Transmission Line - Sault Ste. Marie

Caution! This message was sent from outside your organization.

Hi Brian,

Updated documentation is posted at this link: <u>https://puctransmissionlp.com/project-plan/</u>

The presentation from the virtual information session that was held May 31st, which is essentially the same as the presentation boards that were on display at the in-person session on May 26th, is posted at this link as well as all the maps that were on display at the in-person session. Please see Map 3 for proposed pole locations relative to your property (clip from Map 3 included below for reference)

The easement is identified in light yellow shading and the pole locations are shown as green dots. Let me know if you have any concerns with the proposed location. There is some latitude to move the location along the easement, but it would have to remain in the middle of the easement width.



Yes, there will be a second Public Information Session (both in-person and virtual) later this summer, around the end of July or early August. You will be notified of the date, time and location, both by mail and email.

Let me know if I can provide anything further.

Regards, Dominic.



Dominic Parrella, P.Eng. Executive Lead, Special Projects PUC Services Inc. 500 Second Line E, Sault Ste Marie, ON, Canada M: 705-941-8386 E: dominic.parrella@ssmpuc.com

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From: Brian Jennings Sent: June 8, 2022 3:09 PM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: RE: PUC Transmission LP - 230 kV Transmission Line - Sault Ste. Marie

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Hi Dominic,

Missed last weeks public information session as I was on vacation.

Checked the web site and found little.

Were there any minutes taken and or info from the meeting that you can share? Is PUC still proposing a summer information session?

Thank you



Brian Jennings Senior Designer

Phone: 705-949-1457 ext 229 Mobile: 705-975-5778 brian.jennings@tulloch.ca Sault Ste Marie Office | www.TULLOCH.ca

From: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Sent: April 7, 2022 2:27 PM To: Brian Jennings Subject: RE: PUC Transmission LP - 230 kV Transmission Line - Sault Ste. Marie

Caution! This message was sent from outside your organization.

Hi Brian,

Sorry for the delay in responding. No, drawings are not available yet. I will look into this and let you know when you can expect to see something.

Thanks, Dominic.

Dominic Parrella, P. Eng. Executive Lead, Special Projects **PUC Services Inc.** C: <u>705-941-8386</u> CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Hi Dominic,

Do you happen to know if the consultant has completed any preliminary drawings? Sent email last week, but have yet to receive a response. See email below. Thank you



Brian Jennings Senior Designer

Phone: 705-949-1457 ext 229 Mobile: 705-975-5778 brian.jennings@tulloch.ca Sault Ste Marie Office | www.TULLOCH.ca

From: Brian Jennings Sent: April 1, 2022 1:39 PM To: jeremiah.pariag@wsp.com Subject: PUC Transmission LP - 230 kV Transmission Line - Sault Ste. Marie

Hi Jeremiah, I had received a letter as per the subject above. I am 161 Old Goulais Bay Rd in Sault Ste. Marie Are there any enlarged details or plan drawings available showing property line offsets and pole placement in the area of our house? Please advise.



Brian Jennings Senior Designer

Phone: 705-949-1457 ext 229 Mobile: 705-975-5778 brian.jennings@tulloch.ca Sault Ste Marie Office | www.TULLOCH.ca
 To:
 PUCQuestionsLP

 Subject:
 RE: PUC Transmission LP

-----Original Message-----From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: June 15, 2022 10:53 PM To: mario bressan Subject: RE: PUC Transmission LP

Hello Mr. Bressan,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

The Project Team did consider an underground option. However, underground construction at 230 kV is much more expensive than overhead construction. Also, as the line would cross multiple private and public properties, there would be significant risk of unintentional damage by others. Furthermore, any failure of the underground line would be much more disruptive, requiring significantly more time and resources to repair. In addition, the environmental impact of underground construction is much more significant than overhead. Therefore, an underground option was not considered to be a viable option.

For up-to-date information on open houses or the status of the project, please visit our website at www.PUCTransmissionLP.com

Thank you, PUC Transmission LP Project Team

-----Original Message-----From: mario bressan Sent: May 29, 2022 7:56 PM To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>> Subject: PUC Transmission LP

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

I realize the overhead transmission lines are cheaper to install but has there been any considerations for a underground line. Clearly marked similar to the oil lines around Simpson street; and not exposed to weather elements; it could be a more reliable and longer life system. High voltage lines in the plant are underground feeding the blast furnace. Just a thought .Thank You

Sent from my iPad

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: June 11, 2022 2:38 PM To:

Subject: RE: Website Contact Form

Hello Mr. Schryer,

Apologies for the delay in responding, it is our objective to respond to all inquiries within 10 business days.

Further details, including the presentation that was provided during the virtual meeting on May 31st and detailed maps of the project, are provided at this link: <u>https://puctransmissionlp.com/project-plan/</u>

Map 4 provides details on the location of the proposed powerline relative to your property. An extract of Map 4 is provided below for your reference. The line is proposed approximately 18 meters north of your northmost property line. This will not impact any construction on your property under the Building Code.

With regards to your question about an access road – yes, an access road for construction and ongoing maintenance of the powerline is proposed from Peoples Road along the easement. The road is proposed to be more of a cross-country trail than a roadway. It will likely not be of any use for access to the rear lots of abutting properties.

Let us know if we can provide anything further.

Thank you,

PUC Transmission LP Project Team



From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>> Sent: May 19, 2022 8:52 PM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Gary Schryer writes,

Hello, I live on Kent Crescent and the new high voltage lines will be run behind our property. I plan to attend the Zoom session on May 31, but the two questions I have are: 1. How far away from my property line will the new power lines be constructed? I have plans to construct a garage in my back yard in the next few years and I am concerned that the location I want to build may become limited due to minimum clearance requirements to overhead power lines described in the Ontario Building Code. 2. Are there plans to construct a maintenance road or access road for the power lines? I do not have great access to my back yard to store my travel trailer in winter and I'm curious if there is an opportunity to have an access road brought in from Peoples Road that would give my neighbours and I access to our rear yards. Thanks!

Address:

Preferred method of contact: email Phone:

Email:

 To:
 PUCQuestionsLP

 Subject:
 RE: Website Contact Form sherricrosato@hotmail.com

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com>

Sent: July 21, 2022 10:20 AM To:

Subject: RE: Website Contact Form sherricrosato@hotmail.com

Hello Ms. Crosato,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie.

Health Canada provides information and guidance on electric and magnetic fields (EMFs) at extremely low frequencies (ELFs) – i.e. 60 Hz. powerline frequencies – at this link; https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-emit-radiation/power-lines-electrical-appliances.html.

Please see the attached information pamphlet from Health Canada that includes the following statement at the center-bottom of page 2: "Health Canada does not consider that any precautionary measures are needed regarding daily exposures to EMFs at ELFs. There is no conclusive evidence of any harm caused by exposures at levels found in Canadian homes and schools, including those located just outside the boundaries of power line corridors."

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

Thank you, PUC Transmission LP Project Team

From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>> Sent: July 5, 2022 1:36 PM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

SHERRI CROSATO writes,

What are the health risks of living within close distance to 230 kV transmission lines?

Address:

Preferred method of contact: email Phone: Email:
 To:
 PUCQuestionsLP

 Subject:
 RE: Website Contact Form jacob.maybe@hotmail.com

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: July 19, 2022 9:20 AM To:

Subject: RE: Website Contact Form jacob.maybe@hotmail.com

Hello Mr. McEachern,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the city of Sault Ste. Marie.

We have noted your preference for any route other than Route 5, and your comments have been noted and will be taken into consideration in completing this study.

With regards to health concerns, Health Canada provides information and guidance on electric and magnetic fields (EMFs) at extremely low frequencies (ELFs) – i.e. 60 Hz. powerline frequencies – at this link; https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-emit-radiation/power-lines-electrical-appliances.html.

Please see the attached information pamphlet from Health Canada which states at the bottom-center of page 2 ... "Health Canada does not consider that any precautionary measures are needed regarding daily exposures to EMFs at ELFs. There is no conclusive evidence of any harm caused by exposures at levels found in Canadian homes and schools, including those located just outside the boundaries of power line corridors".

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at www.PUCTransmissionLP.com

Thank you, PUC Transmission LP Project Team

From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>> Sent: July 5, 2022 7:56 PM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

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Jacob McEachern writes,

Hi there, I was out of town during the appropriate window for open houses and emailing questions - my apologies! After reviewing the information, I am cautiously optimistic about the PUC Transmission project and what the electric arc furnaces may mean for local air quality. That said, I would like to express my preference for "any option other than route option 5". I assume, since I've provided my address, that my reasoning is clear enough. While I do appreciate the efficiency of route 3, I'd love to see a combination of route options 1 and 2, which would keep the lines further from St. Francis school. (My kid does NOT attend this school, but I still believe we should shield children from health risks, even if they are moderate risks.) Thank you for your time. -Jacob

Address:

Preferred method of contact: email Phone: Email:
 To:
 PUCQuestionsLP

 Subject:
 RE: Website Contact Form dandirocco@shaw.ca

From: PUCQuestionsLP <Questions@PUCTransmissionLP.com> Sent: July 20, 2022 4:24 PM To:

Subject: RE: Website Contact Form dandirocco@shaw.ca

Hello Mr. Di Rocco,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the city of Sault Ste. Marie.

Your residence is approximately 400 meters south of the proposed powerline. The minimum horizontal clearance requirement is 10 meters. Applicable clearance standards are prescribed under the Ontario Building Code, the Ontario Electrical Safety Code and by the Canadian Standards Association. The proposed line will comply with all of these requirements.

The proposed line is planned to cross Old Goulais Bay Road between civics 184 and 160. A map of the proposed layout can be viewed at this link: https://puctransmissionlp.com/documents/assets/uploads/files/en/property_maps_3.pdf.

Thank you for your recommendation regarding the location of the substation. This will be taken into consideration as part of the decision-making process when assessing the options for the station location.

Thank you, PUC Transmission LP Project Team

From: PUC Transmission LP <<u>noreply@puctransmissionlp.com</u>> Sent: July 4, 2022 1:39 PM To: PUCQuestionsLP <<u>Questions@PUCTransmissionLP.com</u>> Subject: Website Contact Form

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe. Dan Di Rocco writes,

Based on the drawing our home appears to be a safe distance from the line. What are the recommended distances for power line of this voltage and where can I find the regulations. I would also like to know exactly where the line will cross Old Goulais Bay Rd. I assume this is the center of the gas pipeline right of way. I strongly believe locating the the substation on Algoma Steel property may have repercussions in the future, say a new owner or creditor takes possession of the property. Please put this on publicly owned land so control is guaranteed. Thank you

Preferred method of contact: email Phone:

Email:

Notice of Completion and Public Information Centre #2 Correspondence Record _____

Hello Mr. Thompson,

Thank you for your interest in the Minor Transmission Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV transmission line and station.

Please note that your residence is approx. 450 m. away from the proposed powerline. There will be no impact to your residence.

Health Canada provides information and guidance on electric and magnetic fields (EMFs) at extremely low frequencies (ELFs) – i.e. 60 Hz. powerline frequencies – at this link; https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-

emit-radiation/power-lines-electrical-appliances.html

Please see the attached information pamphlet from Health Canada that includes the following statement at the center-bottom of page 2: *"Health Canada does not consider that any precautionary measures are needed regarding daily exposures to EMFs at ELFs. There is no conclusive evidence of any harm caused by exposures at levels found in Canadian homes and schools, including those located just outside the boundaries of power line corridors."*

For up-to-date information on open houses or the status of the project, please sign up for our mailing list at <u>www.PUCTransmissionLP.com</u>

Thank you, PUC Transmission LP Project Team

From: PUC Transmission LP <noreply@puctransmissionlp.com>
Sent: August 5, 2022 3:02 PM
To: PUCQuestionsLP <Questions@PUCTransmissionLP.com>
Subject: Website Contact Form Mike.thompson77777@outlook.com

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Mike Thompson writes,

Will the new transmission lines to Algoma Steel raise the magnetic fields in our house at 527 Moss Road?

Preferred method of contact: email Phone: 7059420505 Email: Mike.thompson77777@outlook.com Hi Lori,

Yes, we will be arranging for one-on-one meetings with property owners along the entire final route. A member of our team will be in touch with you shortly after the Public Information Centre being held this week to arrange a site visit with you and address your concerns.

Thank you, PUC Transmission LP Project Team

From: PUC Transmission LP <noreply@puctransmissionlp.com>
Sent: August 9, 2022 3:16 PM
To: PUCQuestionsLP <Questions@PUCTransmissionLP.com>
Subject: Website Contact Form

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Lori Trus writes,

I am wondering if there will be individual discussions being held with property owners along the powerline route to hear our individual concerns and provide satisfactory resolution to any such concerns. Being that the power lines are proposed to run the entire length of my property I have concerns I would like to have addressed. L. Trus

Preferred method of contact: phone Phone: Email: From: Murtada, Jad Sent: Monday, August 29, 2022 9:57 AM To: Robert Cohen

Subject: RE: SSM PUC Webinar questions

Hello Mr. Cohen,

Thank you for your interest in the Class Environmental Assessment for PUC Transmission LP's proposed new 230 kV Transmission line and station in the City of Sault Ste. Marie. We are happy to hear your support for the project.

We are glad you were able to attend a portion of the online PIC. If you would like to review the material that you missed, a video recording of the session will be posted online at https://puctransmissionlp.com/ in the next week.

Notices for the PICs were mailed to all properties in or around the Study Area, see the project maps for reference:

https://puctransmissionlp.com/documents/assets/uploads/files/en/puc_transmission_ea_pic_2_pr operty_maps.pdf. If you own multiple properties within this area, you would have received multiple notices.

You are correct that your property at is not directly impacted but was included as part of the Study Area. You are also correct that your second property at will be impacted since the preferred alternative crosses some of those lots. Dominic Parrella, from PUC will

be reaching out directly to impacted property owners and provide additional details within the next couple of weeks.

If you have any additional questions, please do not hesitate to reach out.

Best Regards,

Jad Murtada, *He/Him/His* Enviornmental Planner – Ontario Earth and Environment

T+ 1 905-829-6262



From: Robert Cohen
Sent: Thursday, August 18, 2022 7:57 PM
To: Murtada, Jad <<u>Jad.Murtada@wsp.com</u>>
Subject: SSM PUC Webinar questions

Hi Jad;

I missed over 50% of the Webinar tonight as I just got back from Ottawa at 6:30. I also have not been able to attend any of the open house meetings. Therefore, I did not want to jump in and pose a question. I do think this is a great project both for Algoma Steel, and the Community of SSM. I am getting 2 notices in the mail, and just want to clarify why.

- The first one is a property at in the Industrial Park. This is far away from the new line, I believe, but I suspect we are getting notices because we are in a larger catchment area around the new 3rd line substation?
- The second property is at , owned by Northern Fluid Power Inc. I have gone on the website and tried with difficulty to print the new transmission line, relative to this property. From what I can tell, the favoured option is over some lots at 55 Goulais Avenue. I know someone from PUC will be calling to meet at a later date, assuming this is true, but I wanted to confirm that I have this location correct. I am sure at the open house there would be larger maps. I was unavailable to attend on all previous dates.

Thank you in advance for answering these questions.

Robert Cohen Soo Foundry & Machine (1980) Limited ------ Original message ------From: Dominic Parrella <dominic.parrella@ssmpuc.com> Date: 2022-09-09 12:20 p.m. (GMT-05:00) To: Michael Kresin Subject: RE: PUC Transmission LP - Class EA for 230kV line

Hi Mike,

Sorry for the oversight. No it's not too late. Please submit your comments as soon as possible to me.

Let me know if you have any questions.

Thanks Dominic

Sent from my Bell Samsung device over Canada's largest network.

------ Original message ------From: Michael Kresin Date: 2022-09-09 12:05 p.m. (GMT-05:00) To: Dominic Parrella <dominic.parrella@ssmpuc.com> Subject: RE: PUC Transmission LP - Class EA for 230kV line

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Hi Dominic.

I visited the project website today and I see that there were public meetings in August and that the ESR is now complete.

In my letter of May 5th, (copied to yourself and Jeremiah) I requested that I be added to the consultation list. I did not receive notice of the open houses or the posting of the ESR. Is it too late to submit comments?

Thanks, Mike

From: Dominic Parrella [mailto:dominic.parrella@ssmpuc.com] Sent: Monday, May 09, 2022 2:30 PM To: Michael Kresi Subject: RE: PUC Transmission LP - Class EA for 230kV line

Hi Mike, I meant to tell you as well, that the poles will be 40 m tall, not 40 feet as you mentioned in your memo.

Thanks, Dominic.

From: Michael Kresin Sent: May 9, 2022 1:48 PM
To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>>
Subject: RE: PUC Transmission LP - Class EA for 230kV line

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe. Thanks Dominic.

From: Dominic Parrella [mailto:dominic.parrella@ssmpuc.com]
Sent: Monday, May 09, 2022 8:12 AM
To: Michael Kresin
Cc: 'Uzma'; 'jeremiah.pariag@wsp.com' <jeremiah.pariag@wsp.com'
Subject: RE: PUC Transmission LP - Class EA for 230kV line

Hi Mike,

Thank you for your submission, we will take your comments and concerns into consideration in evaluating a final preferred route.

Also, we will add you and your client to the mailing list.

Regards, Dominic.



Dominic Parrella, P.Eng. Executive Lead, Special Projects PUC Services Inc. 500 Second Line E, Sault Ste Marie, ON, Canada M: 705-941-8386 E: dominic.parrella@ssmpuc.com



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From: Michael Kresin
Sent: May 5, 2022 2:37 PM
To: Dominic Parrella <<u>dominic.parrella@ssmpuc.com</u>>; 'jeremiah.pariag@wsp.com' <<u>jeremiah.pariag@wsp.com</u>>
Cc: 'Uzma'
Subject: PUC Transmission LP - Class EA for 230kV line

CAUTION: This email originated outside of PUC. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Hello Dominic and Jeremiah. Attached is a letter in response to the Notice of Study Commencement for the above project. We look forward to being involved in this EA process.

Thanks, Mike

Michael Kresin, P.Eng. Consulting Engineer

Kresin Engineering Corporation 536 Fourth Line East, Sault Ste. Marie, ON, P6A 6J8 tel: 705-949-4900, fax: 705-949-9965

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