

## PUBLIC MEETING MINUTES

February 2, 2023 – Mooretown Sports Complex

Enbridge held its third Public Meeting for the Tecumseh Farm Battery Power Storage and Petrolia Battery Power Storage projects at 7:30pm-9pm on March 30<sup>th</sup>, 2023. The first public meeting was held virtually and, at the request of community members, the second and third meetings were held in-person at the Mooretown Sports Complex in St. Clair Township, Ontario.

The meeting was attended by approximately 75 people and opened at 7:30pm and adjourned at 9:40pm. Enbridge opened by covering the slides posted on the project websites (below) and by highlighting that the next public meeting will be in-person in the Fall, with more to come:

[www.enbridge.com/tecumsehfarm](http://www.enbridge.com/tecumsehfarm)

[www.enbridge.com/petrolia](http://www.enbridge.com/petrolia)

Enbridge fielded questions and comments throughout the session, a summary is below.

### Questions and comments

Q1. After provincial approval, do the projects come back to the municipality for approval or building permits?

Answer

Enbridge has met with municipal staff to discuss what is needed for the site plan application and building permits and is completing the last couple studies needed for the package, which we will be submitting next month for staff's approval. This process is taking place alongside the Class EA environmental review process with the Province.

Q2. What are the setbacks in the plan and what if someone decides to build a house close to the batteries on neighbouring properties, will Enbridge prevent him from doing so?

Answer

Enbridge is not going to prevent anyone from building on their own property. The nearest house to either project is over 600 meters away, and the batteries comply with the Township's property line setbacks. If someone wants to build on their property, that is their choice.

Q3. Did Enbridge submit the projects on February 16<sup>th</sup>?

Answer

Enbridge is not disclosing details of our bids, but anything that is unsuccessful in this first stage of the LT1 RFP will be bid into the upcoming second stage, due in November/December.

Q4. Why can't the substation for Tecumseh Farm be built on Enbridge's property?

Answer

In that case we would require a high voltage line from the batteries along the property to the south which would require a lot of poles on that property, so the way we have proposed is better for farming the property where we can bury the cables.

Q5. How close are the batteries to an underground pipeline?

Answer

The battery fence line is 50 meters from the gas pipelines on the properties and the batteries themselves are further setback within the fenced area.

Q6. What if there is a fire, how will that affect underground storage?

Answer

It will not affect the underground gas storage. The gas stored underground is held in porous rock, which itself is under an impermeable seal created after centuries of geological activity. The impermeable geological seal is more than 500 meters underground, so nothing that happens on the surface above will impact that storage.

Q7. What are the setback requirements related to the substation?

Answer

There are no specific setbacks related to the substation, apart from the Township's standard property setbacks.

Q8. What is the green area north of Petrolia?

Answer

The green area north of the batteries in the site plan is a placeholder for vegetation that we are planning to install post-construction to limit the aesthetic impact of the project. We are open to discussing similar installations along other sides of the project and at Tecumseh as necessary. Please reach out to me at [power.operations@enbridge.com](mailto:power.operations@enbridge.com) if you'd like to discuss.

Q9. What are you doing with the tile drains at Petrolia, there are clay pipes? If there is a spill at the batteries the tiles could be damaged.

Answer

A borehole survey was conducted and daylighting will take place. We are also working with local tilers who are most familiar with the land. We will replace and/or otherwise address anything that is impacted during construction.

Also, a spill is very unlikely as these batteries have a different composition than standard lead acid batteries. They are made of a gel that cannot leak. Anywhere that we may use fuel, like at the substation, we will build containment around the equipment to capture any spills.

Q10. Is the life expectancy of the battery seven years? Do you see the project footprint growing?

Answer

The technology we are using has a life of longer than seven years. However, it is correct that batteries degrade over time, even if not used, and degrade the number of times they are charged and discharged, so we will need to add new batteries to the site over time. We have left space in our current site plan to install these batteries, so that the project footprint does not need to change.

Q11. What is the abandonment plan for the batteries and how much have you put aside to pay for it?

Answer

When the batteries reach their end of life and the 22-year contract with IESO has expired, we may remove the batteries and replace them with new batteries, subject to a new consultation and contract. We may also remove the site entirely. In this case, the batteries will be sent to a recycling facility, of which there are growing numbers in North America, and the concrete and access roads will be removed and recycled. The vast majority of the battery is recyclable – we have been told all of the battery is recyclable. We will then work with the farmers to discuss how best to return the land to its original state. We are not disclosing commercial details of our project – we have budgeted for decommissioning but are not sharing those details as we continue to be in a competitive bid process.

Q12. What is the capacity in megawatt hours?

Answer

Petrolia is 100 MW and must run for 4 hours, so 400 MWh. Tecumseh is twice that size.

Q13. Will Enbridge be in charge of the batteries the entire time or will you sell the batteries like you sold your Kincardine wind project?

Answer

Enbridge's plan is to own and operate the batteries throughout the 22-year contract though we can't comment for sure on what changes the company may make to its portfolio. To clarify, we did not sell the Kincardine wind project, we sold a portion of it to Canadian Pension Plan Investment Board, but we

still own a majority of the project and operate it. We sold the share to free up capital to invest in further renewable energy projects in North America and Europe.

Q14. Do the batteries need to be kept cool? If so, how are they cooled and is it noisy?

Answer

Yes, the batteries do need to be cooled, and there are internal sensors to make sure that is true. We will be using a liquid cooling system which is more efficient than forced air. It is also much quieter than forced air. We will provide more information on the particular coolant in the next public meeting.

Q15. Why couldn't use stack the batteries to limit space needed?

Answer

In the event that there is a fault in the system that starts creating gas, there are deflagration panels on the top of the batteries that would be released to help vent the gas to avoid creating pressure and heat that could cause a fire.

Q16. What company did you buy your batteries from?

Answer

We have not signed the final contract yet and are currently subject to confidentiality agreements, so are not disclosing the manufacturer yet. We will provide more details once we are awarded a contract from IESO and well before we bring any batteries into the community.

Q17. Will there be increased traffic in the area during operation?

Answer

There will be traffic during construction and later in the project life there will be very occasional (once per year or less) trucks bringing in new batteries, but for the most part, there should not be any noticeable increase in traffic.

Q18. How is Enbridge making money on these projects?

Answer

Enbridge will sign a contract with IESO for the projects if selected. We will be paid a fee to be ready to provide up to four hours of power everyday. We will pay for the power we use to charge overnight. The Province is already paying for this power via curtailment agreements, so this will actually help ratepayers recover some value from that power. We will then be paid for the power we provide, but the

prices do not vary from day to night as dramatically as you might think. In fact, these battery projects – whether built by us or others – will help keep power prices lower than they might otherwise be in southwestern Ontario because the batteries will limit electricity scarcity events where there is too much demand for the supply.

Q19. Is the government providing funding for these projects?

Answer

The federal government has announced that it will provide 30% investment tax credits to help with the construction cost.

Q20. How many charges to these batteries take – I heard 400-500?

Answer

The batteries we will be installing take thousands of charges.

Q21. Are there exposed wires at the projects, and how are you keeping out wildlife?

Answer

The wires will be in metal conduits and will otherwise be protected. We are installing a fence around the project intended to be high enough to keep out most wildlife.

Q22. Do the inverters make noise?

Answer

Yes, they inverters make noise but we have aimed all the inverters inward in our project design to help direct the sound back at the batteries instead of the surrounding community. We have also moved the batteries more than 600 meters from the nearest homes. And, we are completing our noise studies to ensure that we are within the provincial requirements for the area with respect to noise, and if necessary we will install noise walls or other protections.

Q23. It is my understanding that you cannot put these fires out with water, so it is safe for the Fire Department to put out the fires?

Answer

It is correct that you cannot put out the fires with water, or by other means. The Fire Department knows that they are not going to try to put out the fire. They will stay a safe distance away and aim their fire hoses at the surrounding cubes to douse the neighbouring battery cubes, but no one will be getting too close.

Q24. What is the response time for someone to respond?

Answer

We have staff working within a 10 minute drive from the batteries. We have our remote monitoring site which will be monitoring the batteries 24/7 and can dispatch people if necessary. In the event of an emergency, we have staff in the area, which is one of the reasons we selected this area to build.

Q25. Have you factored in extreme weather events?

Answer

Yes, there will be lightning protections in place at the site. These batteries are very heavy, in the case of tornados. They are built to be outdoors all year and have been designed for use in Sarnia's climate. They have been installed in California and Texas where the extreme heat is much more intense and prevalent than in this area.

Q26. How long would the battery burn in the event of a fire?

Answer

Less than 24 hours

Q27. What are the chemical compounds and/or gases being vented in the event of a gas venting and/or fire?

Answer

We are working through those details with the battery maker at this time and will have more detailed info in the fall public meeting, which will still be several months before any batteries are brought into this area. We can confirm that, based on information provided by the battery maker and by an independent third party report they provided, neighbouring homes are well outside the anticipated area of impact and/or potential evacuations. We will have details on the distances in the next meeting but they are indicating the area is tens of meters and the nearest home is over 600 meters from the batteries.

Q28. Will Enbridge have a community fund and why aren't you signing agreements with the Township like other developers?

Answer

We are following the Township's process for these projects. We always have community investment funds for each of our projects. We have invested in everything from equipment the local fire departments need, to youth environment corps programs, to removal of invasive species and wetland

restoration. We will work with Council, landowners, and community organizations providing great services and programs in the Township to find services we can support out of our community fund. As we are still in the bidding process for these projects we are not disclosing any commercial information but we will have more info at the Fall public meeting.

Q29. Will Enbridge pay municipal taxes on the battery projects?

Answer

We will take our direction from the Township but our expectation is that we will.

Q30. Will the Fire Department really just watch the fire burn? They won't do that when they respond to fires on farms or residential properties. Will you provide their training?

Answer

Yes, they will watch it burn as it is not possible to put out the fire and their safety is key. Yes, we will be providing any training and equipment they need to safely address any potential fires.

Q31. One fire in Australia burned for four days and do you need a sprinkler system?

Answer

We don't have details on what technology that fire in Australia may have been using but the technology we are using will burn out in less than 24 hours. We will not have a sprinkler system but the Fire Department will aim their hoses – from a safe distance – at the neighbouring batteries to keep them cool.

Q32. Will the battery fires be similar to an electric vehicle battery fire, because the Fire Department is already being trained on how to respond to those?

Answer

The key difference is that it is far less likely that our batteries will catch on fire because the chemistry of our batteries is the most stable form of lithium ion battery. However, yes, the principle is the same in that once they catch fire, there is nothing to do but let them burn themselves out.

Q33. For the questions you couldn't answer today, when will you provide the details?

Answer

As discussed previously, we are engaging with the community to get your feedback as we develop the projects. The positive here is that you can influence the project design and I can assure you that you

already have done so. The downside is that we do not always have all the answers, but we will provide more detail again in our Fall meeting, which is months before any batteries will be coming into the community.

Q34. Will Enbridge provide insurance and/or other liability protection for livestock in the area in the event of a fire?

Answer

It is our understanding from local landowners that farms can obtain insurance protection for this sort of unlikely event and we are discussing internally what we may be able to do to help.

Q35. Have you considered cybersecurity and the risk of someone hacking the batteries and getting them really hot?

Answer

Enbridge owns and operates the largest pipeline infrastructure network in North America and dozens of large energy infrastructure projects in North America and Europe. We take cybersecurity very seriously and have excellent protections in place to keep our assets operating safely. The batteries will benefit from those same programs and expertise to maximize protections against attacks.

Enbridge thanked everyone for coming and the meeting ended.