

Enbridge

Proposed Battery Energy Storage Systems in St. Clair Township (Lambton County) Ontario
March 30, 2023



Agenda for today's meeting

- Process Updates

- Updates related to key questions from the February 2, 2023 meeting
 - Updated site plans
 - Safety features
 - Technology selected
 - Fire prevention and mitigation
 - Look at gas storage on the properties
 - Sound
 - Archeology & Natural Heritage
 - Aesthetic impact management

- Next Steps in Consultation

Land Acknowledgement

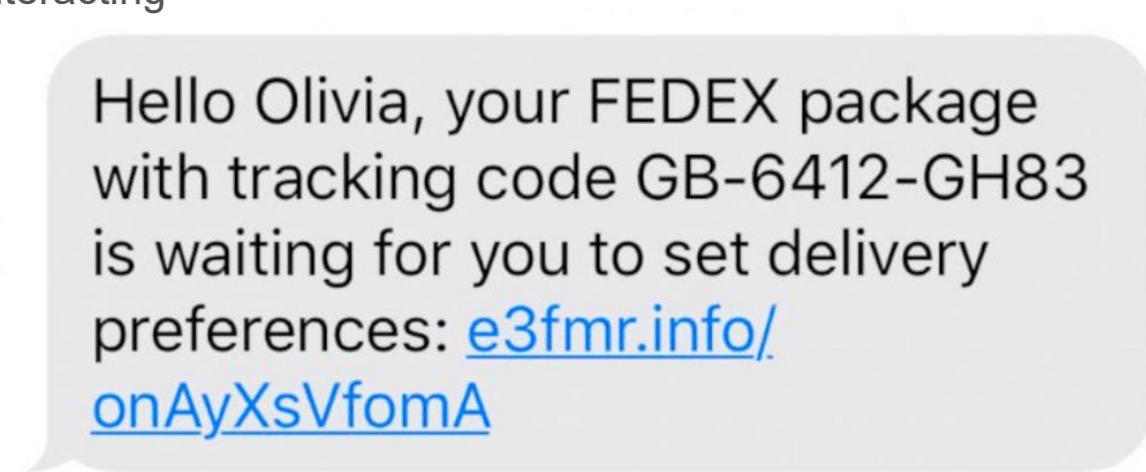


We would like to take a moment to acknowledge that the land where we are all joining this meeting from has been inhabited, and cared for, by the people Indigenous to Turtle Island since time immemorial.

We recognize and respect the historic connection to and harmonious stewardship by the Indigenous peoples over this shared land and, as such, we have a responsibility to preserve and care for the land, learn from the original inhabitants, and move forward together in the spirit of healing, reconciliation, and partnership.

Smishing (SMS/Text Phishing)

- 95% of cyber security breaches are caused by human error (World Economic Forum)
- Smishing is a phishing cyber-attack that is sent via SMS/Text messaging
- Cybercriminals use emotional manipulation to lure you into interacting with malicious SMS/Text messages
- Look for these smishing warning signs:
 - unfamiliar sender
 - use of emotion (sense of urgency, curiosity, etc.)
 - unexpected/unusual requests
 - strange content or tone
 - unfamiliar/unverified links
- Popular smishing tactics:
 - impersonation of friends/family/coworkers/businesses/government bodies
 - fake shipping/delivery notifications
 - offers that are 'too good to be true'
- Do not interact with SMS/Text messages unless you are 100% sure they are safe



Hello Olivia, your FEDEX package with tracking code GB-6412-GH83 is waiting for you to set delivery preferences: e3fmr.info/onAyXsVfomA

Report suspicious SMS/Text messages to 7726 (SPAM)

Process Updates

IESO process



- Independent Electricity System Operator (IESO) is holding a Long-Term 1 RFP process in two stages:
 - Expedited Long-Term 1 for projects aiming to enter operation in May 2025 and that must enter operation by May 2026
 - Regular Long-Term 1 for projects aiming to enter operation in May 2025 and that must enter operation by May 2027
- The bids under Expedited Long-Term 1 were submitted February 16, 2023 and winners are anticipated to be announced May 2023.
- IESO confirmed all projects, and completed development and consultation work, will be eligible to be bid under Regular Long-Term 1; bids due in December 2023 with winners announced in early 2024.
- We are continuing to proceed with all permitting, environmental and interconnection approvals, and site plan submissions in support of the May 2025 target in-service date

Environmental Assessment



Environmental Assessment & Permitting

Class EA for Minor Transmission Facilities to be undertaken

Environmental Activity and Sector Registry (EASR) for noise to be obtained from the MECP

Municipal Site Plan approval and building permits

Other permits and approvals as determined by desktop screening and field surveys



Construction

Implement construction mitigation practices (Traffic Control Plan, adhere to local noise bylaw, etc.)

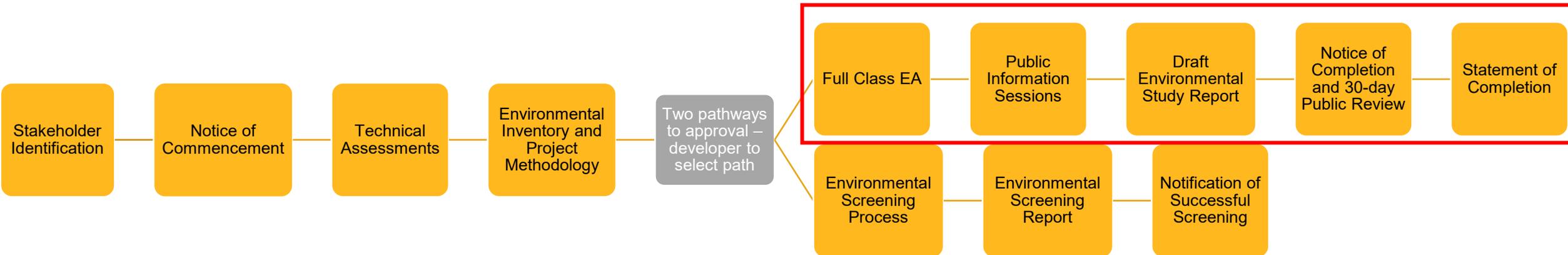


Operation

Continued compliance with EASR requirements

MTF Class EA – Process Flowchart

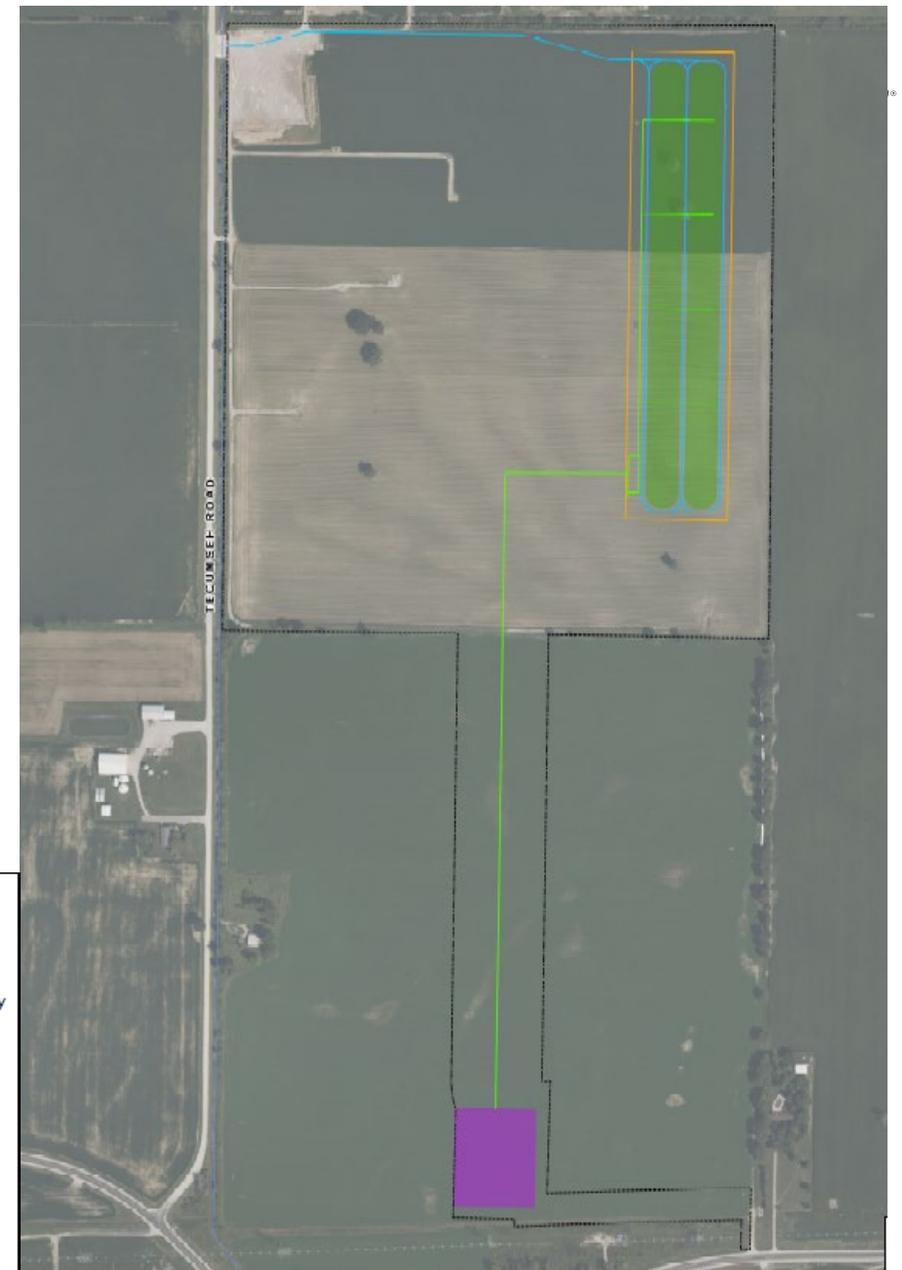
While not mandated, Enbridge has chosen the Full Class EA



Battery Projects - Updates

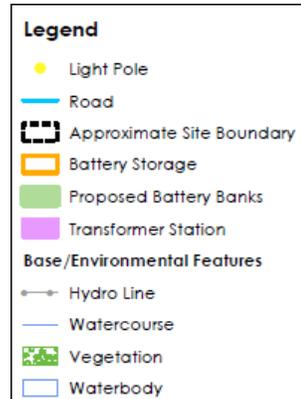
Site Plan Update – Tecumseh Farm

- Tecumseh Farm was moved much farther back on the property,
 - More than doubled the distance from the nearest home
 - Will significantly reduce noise impact on surrounding area
 - Substation will remain in the same place, near transmission

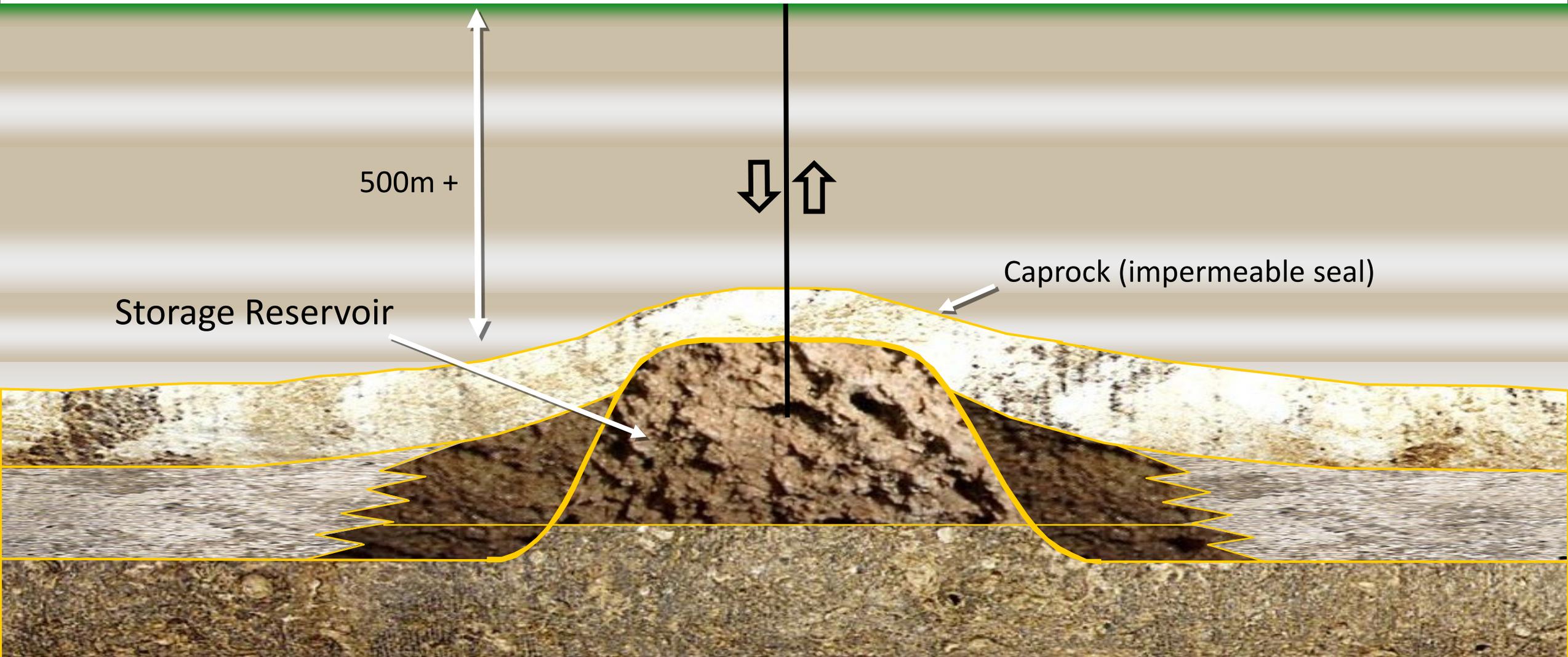


Site Plan Update – Petrolia

- Petrolia is located very close to the original position,
 - Moved slightly further from existing infrastructure
 - Takes up less space than anticipated due to the final technology selected



Natural Gas Storage



Technology Update – Tecumseh Farm



View: from the North within Enbridge's property line, looking Southwest

Technology Update – Tecumseh Farm



View: from the North within Enbridge's property line, looking Southwest

Technology Update – Tecumseh Farm



View: from the Northwest on Tecumseh Road looking southeast

Technology Update – Petrolia



View: from the Southeast looking North

Technology Update – Petrolia



View: from the Northeast within Enbridge's property, looking South

Sound Assessment & Mitigation



- Noise assessments are in progress but preliminary results are already informing design considerations
- Results of the noise assessment will support Enbridge in finalizing the Site Plans.

Mitigation Measures

- Construction
 - Adhere to local noise bylaws
 - Conduct work during business hours
- Operation
 - Sound barriers will be implemented as necessary to ensure compliance with the MECP Environmental Noise Guideline

Archaeology

- A desktop review of the Ministry of Citizenship and Multiculturalism (MCM) Ontario Archaeological Site Database was undertaken to determine if any registered archaeological sites are located in and around the Project locations.
- There are no registered archaeological sites in the boundary of the Tecumseh Farm Site or the Petrolia Site.
- A Stage 1-2 archaeological assessment is recommended for portions of both the Tecumseh Farm Site and the Petrolia Site.

Mitigation Measures

- Review and comment on the Stage 1-2 archaeological assessment by MCM
- Any unknown archaeological, paleontological or historical resources uncovered, or suspected of being uncovered, during excavation will be reported

Natural Heritage

- A desktop review was conducted to determine the potential for natural heritage features at the Sites.
- A field program will be undertaken to confirm the presence of and/or delineate boundaries of habitat for grassland breeding birds.

Mitigation Measures

- Construction
 - Complete tree removal outside of migratory bird windows (April 1 – August 31), to the extent possible
 - Clearly mark the construction area to avoid accidental damage
 - Secure any necessary permits and follow any conditions of approval
- Operation
 - Fencing will keep animals outside of the facility area

Community Impact & Visual Landscape

- Preliminary lighting assessment, and landscape assessment, are in progress.
- Results of the assessments will support Enbridge in finalizing the Site Plans.

Mitigation Measures

- Construction
 - Implement dust suppression and control measures
 - Control site access
 - Develop and implement a Traffic Control Plan
- Operation
 - Implement recommendations of the Lighting Design Study
 - Plant and maintain vegetation



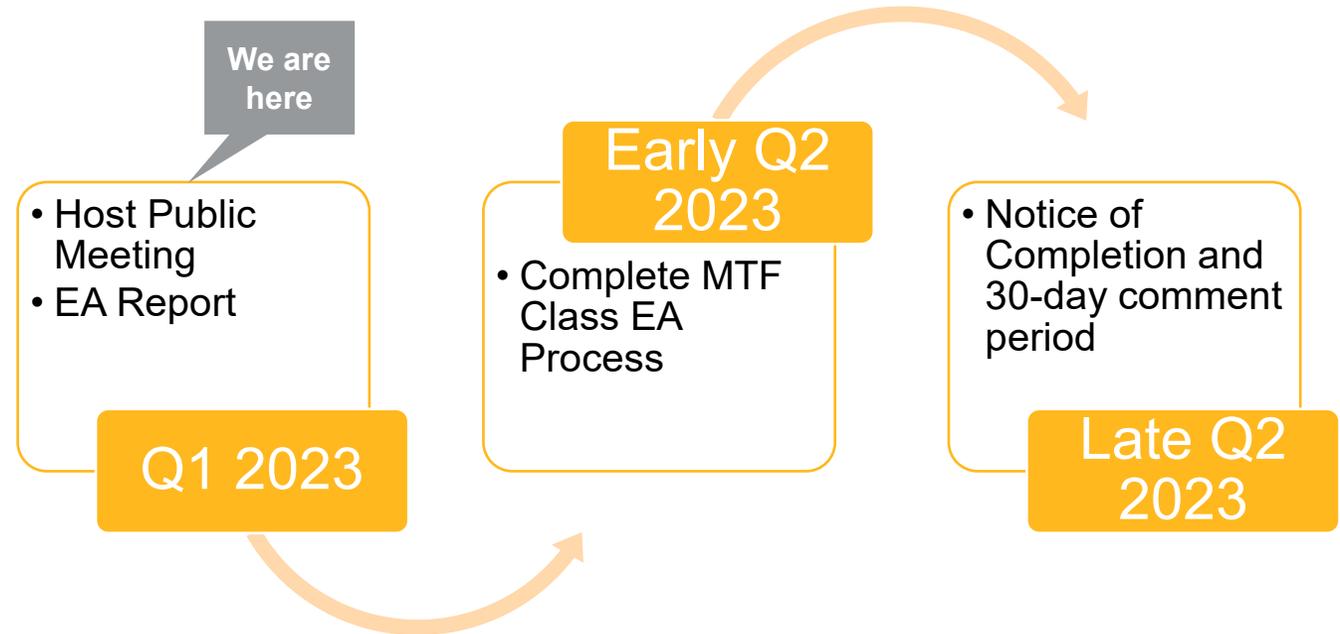
Community Engagement

Next Steps – Class EA

Project Activity Status

Project Initiation	
Determine Project locations	✓
Preliminary Designs	In progress
Issue Project notifications	✓
Baseline Character Characterization	
Sound Impact Assessments	In progress
Stage 1-2 Archaeological Assessments	Begin in Q2
Natural Heritage Assessments	Begin in Q2
Community Impact & Visual Landscape	In progress

Project Activity Timeline



Next Steps - Engagement



- Your input is important to Enbridge and to the development of these proposed projects.
- We encourage you to reach out with any questions or comments at the email address on the next slide (also on the project websites). As always, we will endeavour to provide answers to all your questions and to address your feedback.
- Please also complete the questionnaires provided today and send them to us at the email address listed on the forms.
- IESO will select winning projects under Expedited Long-Term 1 in May 2023. In the event we will update the project website with the applicable information, and anticipate holding another pre-consultation public meeting to discuss construction plans and to provide further safety updates.
- We are undertaking consultations directly with Indigenous communities and will continue those in line with the above.

Questions?

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