Welcome to our project meeting

A8K/A9K Transmission Line Refurbishment Project

www.HydroOne.com/A8KA9K

August 25, 2021

How to participate tonight

- Have a question or comment?
  - Option 1 – Please type your question into the Q&A function
  - Option 2 – Participate in the live Question and Answer period at the end of the presentation by using the ‘raise my hand’ tool
  - Option 3 – following tonight’s meeting please email your questions to Community.Relations@HydroOne.com
- Please be respectful of the presenters and fellow participants.

Tonight's agenda

- Introductions
- Project overview, location and schedule
- Indigenous Engagement
- Update on Class Environmental Assessment process
- Evaluation on Feasible Alternatives
- Live Q&A Session

Project overview

Undertaking this project will ensure the continued reliability and integrity of the transmission lines and electricity supply to homes and businesses in the region.

The refurbishment would involve:

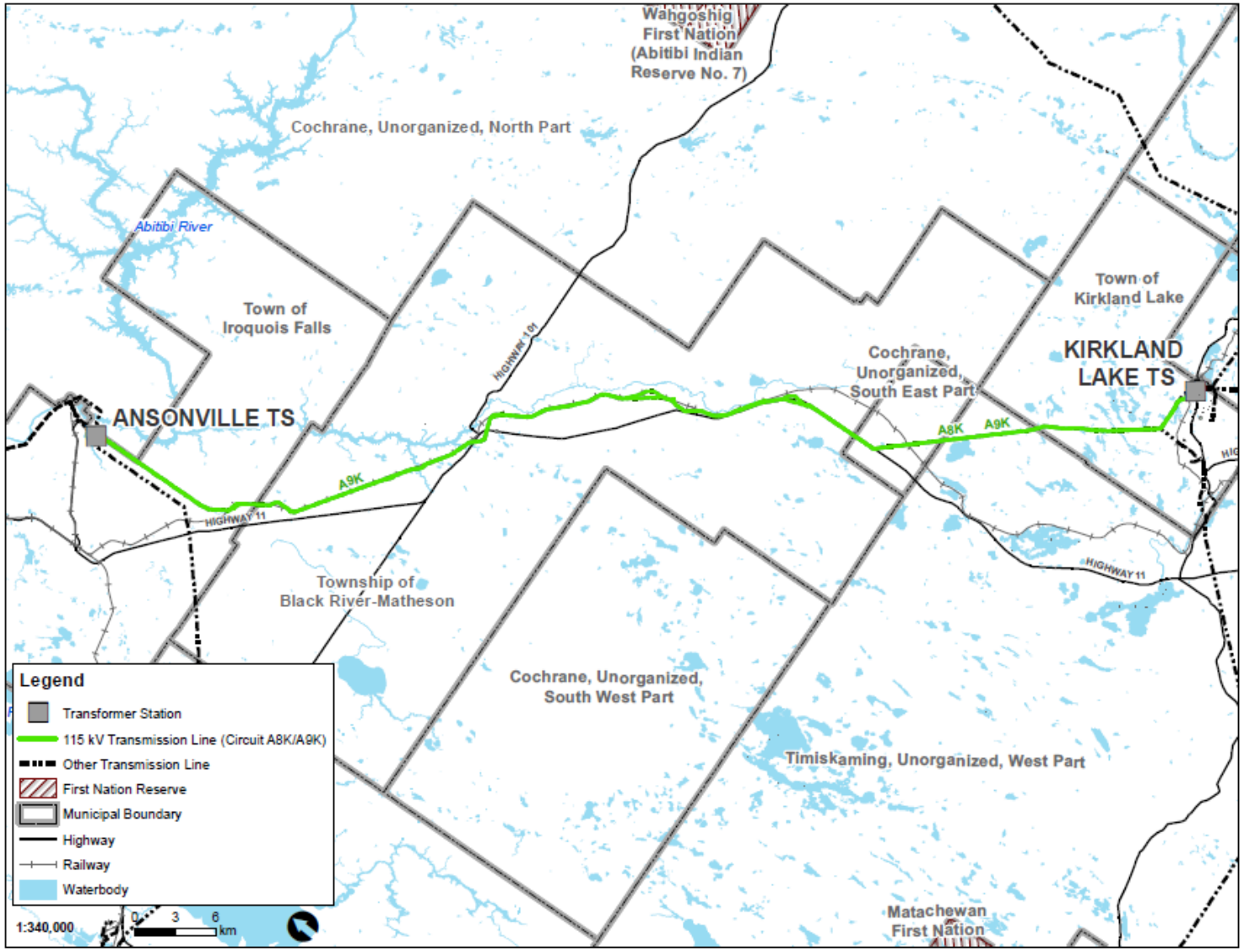
- Replacement and/or modification of aging/damaged wood pole structures
- Modification of aging/damaged steel lattice structures
- Replacement of the conductor (wire) along the existing right-of-way
- Replacement of overhead shield wire

These refurbishment activities are required to replace equipment that is nearing its end-of-life and to increase the ampacity (current) traveling through the conductors (wires).

Project location

The project area spans from Ansonville Transmission Station (TS) in the Town of Iroquois Falls to Kirkland Lake TS in the Town of Kirkland Lake

The transmission line parallels Highway 11 for the majority of the expanse with some areas in remote locations



Project schedule and approvals

Consultation with Indigenous Communities, Public and Agency Stakeholders

June 2021	• Notice of project change*
July/Aug 2021	• Environmental Field Studies • Community Information Centre
October 2021	• Environmental Study Report 30 Day public review
November 2021	• Final Environmental Study Report released
December 2021	• Leave to Construction approval from OEB
Q1 2022	• Construction Start
Q2 2023	• Construction Complete

**The proposed transmission line refurbishment is subject to the Class Environmental Assessment for Minor Transmission Facilities (Hydro One, 2016), in accordance with the Ontario Environmental Assessment Act.*

Indigenous engagement

Hydro One recognizes the importance of engagement with Indigenous communities.

Hydro One is committed to:

- Providing timely project information
- Meeting with community representatives and hosting project information sessions
- Engaging with communities to address project-specific concerns
- Supporting participating in project work such as monitoring in archaeological assessments

Hydro One is committed to supporting Indigenous participation on this project

- Contractor has been directed to provide procurement opportunities to Indigenous communities and businesses in the project area

Hydro One will continue to work with communities to address any outstanding project concerns beyond the conclusion of the EA

Class Environmental Assessment process

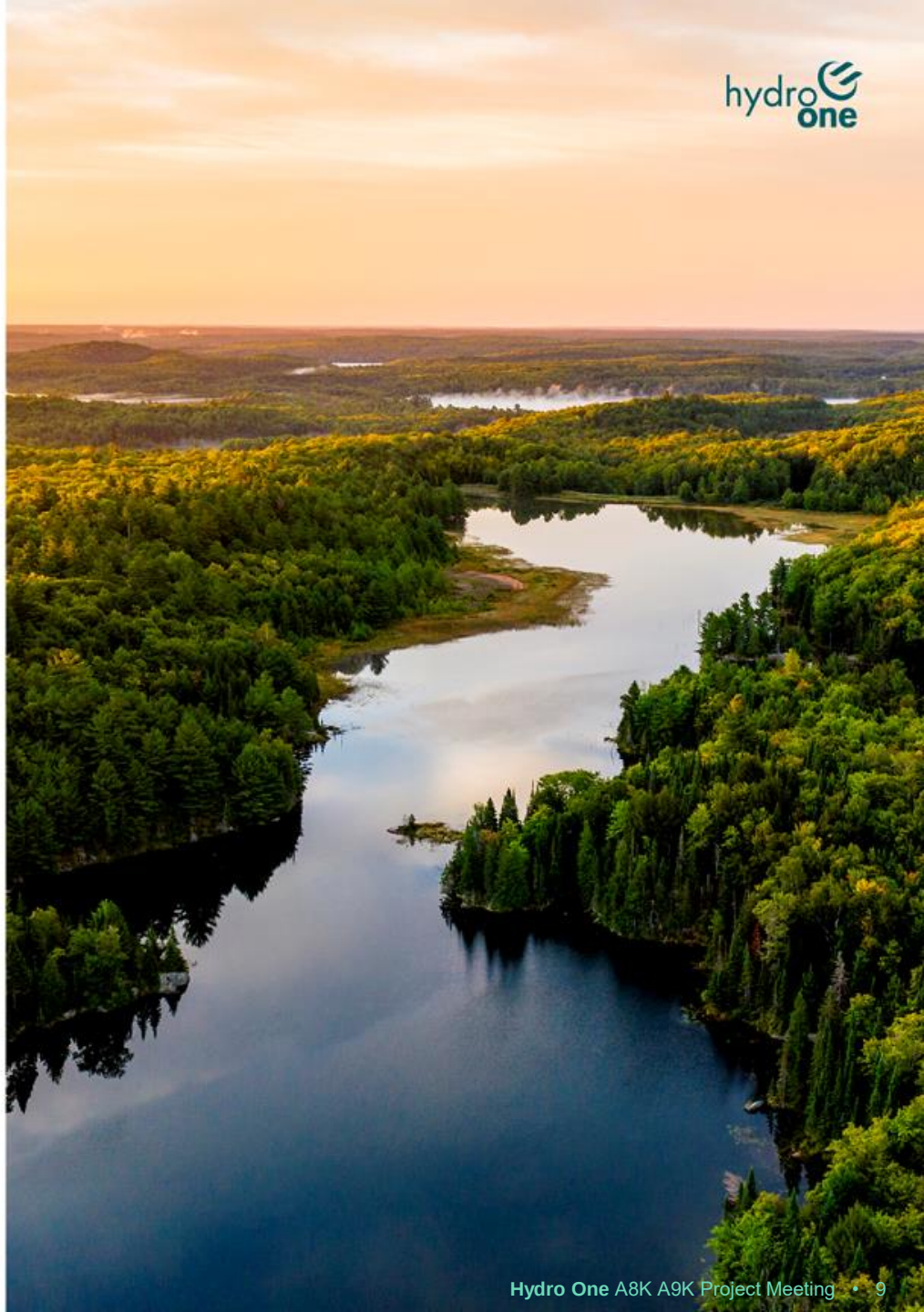
The Class Environmental Assessment (Class EA) for Minor Transmission Facilities sets out a planning and decision-making process for projects with predictable environmental effects that can be mitigated.

Environmental investigations and studies

- Desktop studies
- Field surveys in the study area to understand:
  - Existing conditions
  - Identify potential impacts associated with the project
  - Develop avoidance/mitigation measures

Studies Being Completed:

- Natural Environmental Background Reviews and Field Investigations (complete):
  - Bat Surveys
  - Breeding Bird Surveys
  - Targeted Species at Risk Surveys
  - Significant Wildlife Habitat Observations
  - Incidental wildlife observations
  - Stage 1 & 2 Archaeological Assessment
- Socio-Economic existing conditions background review



How has this shaped the process?

The information captured has informed the Class Environmental Assessment process by:

- Expanding overall knowledge and understanding of the local areas
- Identifying a potential list of measures to avoid, mitigate and/or restore environmental effects when completing the work
- Inform the decision-making process to select a preferred feasible alternative to the undertaking

As part of the Full Class EA process, potential feasible alternatives were identified and include:

- undertaking the refurbishment along the existing right-of-way,
- not undertaking the refurbishment, or
- building a new 115 kV transmission line parallel to the existing.

Evaluation of feasible alternatives

Based on the project need, the “Not undertaking the refurbishment” alternative is not considered feasible. Not undertaking the project does not resolve the aging infrastructure, line ampacity and conductor condition concerns for continued reliability and integrity of the transmission lines.

To evaluate the remaining two alternatives a reasoned argument evaluation method was used. The reasoned argument method uses reasoned judgements to assess advantages and disadvantages for each alternative based on a range of factors and criteria established to identify potential project impacts. For this project, three factor areas were identified with 14 specific criteria:

Natural Environment

- Species at risk
- Significant wildlife habitat
- Designated natural areas
- Effects to fish and aquatic habitat
- Effects to vegetation

Socio-Economic Environment

- Existing and future land use
- Cultural and Archaeological resources
- Forestry Resources
- Mining and Mineral rights
- Effects to residential, commercial and industrial operations
- Source water protection

Technical and Cost

- Overall constructability
- Property requirements
- Cost

Evaluation of feasible alternatives

Factor Area	Alternative 1 Refurbish the existing transmission line within the existing right-of-way	Alternative 2 Construct a new 115 kV transmission line parallel to the existing line
Natural Environment	✓ • Existing vegetation is compatible with and managed for existing transmission line • Minimizes potential for impacts to SAR and SAR habitat	✘ • Encroachment to naturalized habitats creates potential for SAR and SAR habitat impacts • Requires more vegetation removal for new right-of-way
Socio-Economic Environment	✓ • Use of existing corridor is previously disturbed minimizing potential for archaeological resources • Minimizes potential impacts to adjacent operations by minimizing footprint impacts	✘ • Potential for impacts to Forestry Management Unit operations • Adjacent operations impacted by widening right-of-way footprint • Archaeological potential exists on previously undisturbed lands
Technical and Cost	✓ • Re-uses the existing right-of-way • Minimizes property requirements	✘ • Requires significant property to widen existing right-of-way
Summary	✓ Overall Alternative 1 has less potential for project impacts because it utilizes existing rights-of-way, limits infringement on adjacent vegetation and natural communities and minimizes potential impacts to existing adjacent residential, commercial or industrial operations	✘ Overall, Alternative 2 requires expansion of the right-of-way limit through property acquisition, disturbs existing natural communities by widening and maintaining a larger right-of-way and creates new impacts to adjacent property owners and their operations

Based on the evaluation, Hydro One's preferred alternative is to undertake the refurbishment along the existing right-of-way

Next steps

- Review Natural Environmental Report (Desktop/field studies)
- Input from CIC and ongoing consultation
- Draft and release Environmental Study Report (ESR)

August 2021	Virtual community meeting and public input
October 2021	Draft ESR published for 30 day public review
December 2021	Final ESR released to public and filed with MECP

Question period

Panelists

Moderator: Melissa Rozycki
Community Relations

Kevin Bros
Hydro One Real Estate

Sarah Cole
Environmental Planner

Devi Shantilal
Manager, Indigenous Relations

Guillermo Zambrano
Project Manager

For any additional questions or comments please contact us:

community.relations@HydroOne.com
1-877-345-6799

to view the presentation and other project information visit:
www.HydroOne.com/A8KA9K

Thank you

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