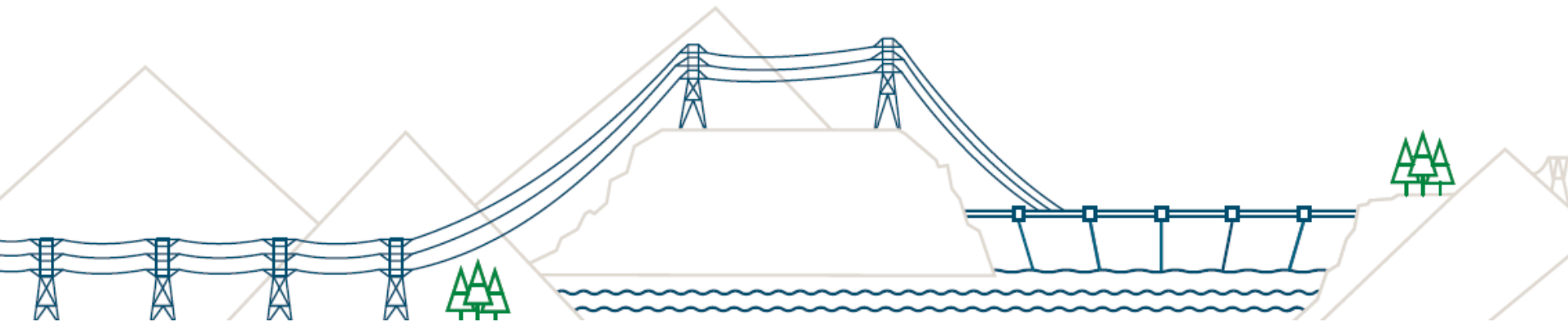


West Kelowna Transmission Project update

December 8, 2020

City of West Kelowna



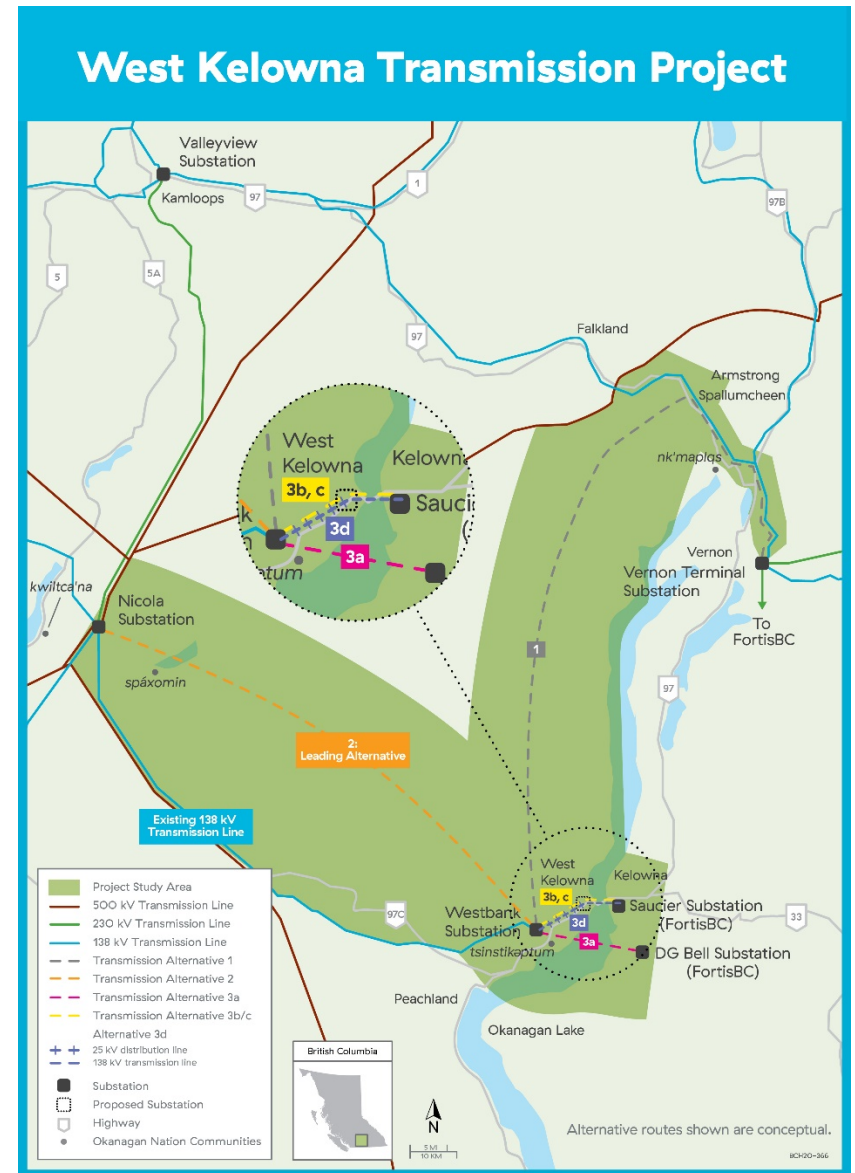
Rachelle Trent, Project Manager
Sarah McKinney, Stakeholder Engagement Lead

Agenda

- Introductions
- Alternatives review
- Recap of 2020 activities
- Next steps
- Timeline moving forward
- Questions

Project alternatives

- Project goal: to provide electrical supply redundancy to the communities served by Westbank Substation.
- Resiliency is not being studied at this time.
- Alternative 2 remains the leading alternative.
- Studying new alternative, 3d, to Saucier Substation in Kelowna.



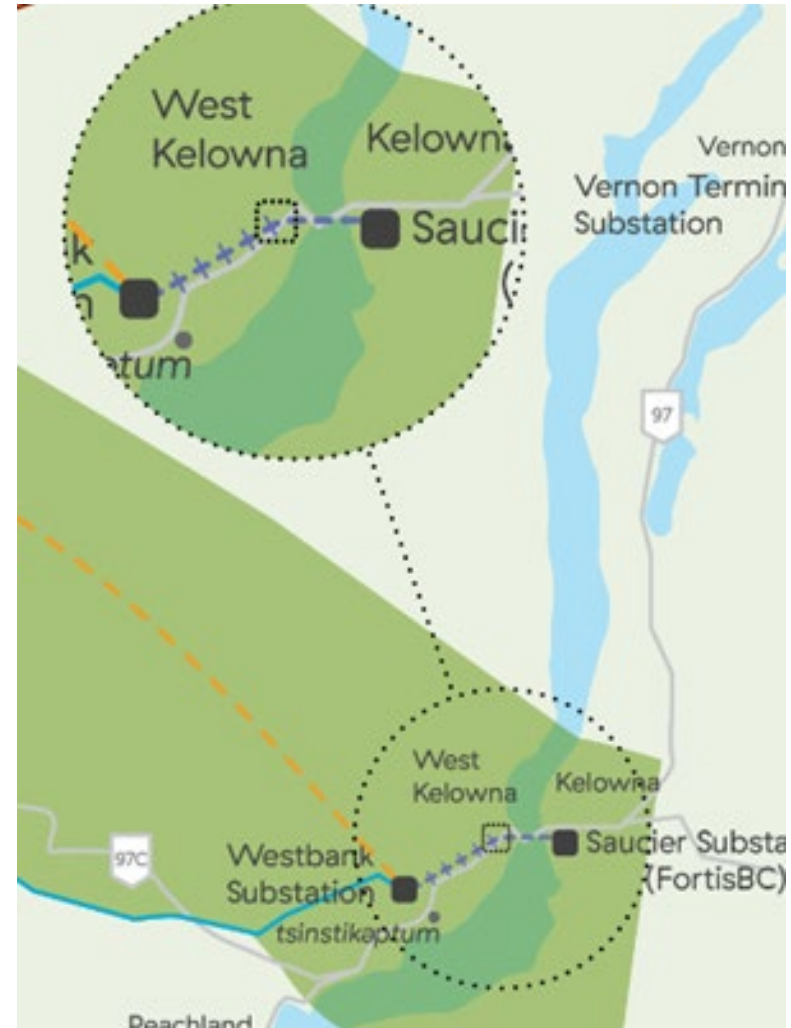
Alternative 2

- Involves building a new transmission line from the Westbank Substation to the Nicola Substation using a different route than the existing transmission line.
- Alternative 2 currently remains the leading alternative for the project.



Alternative 3d

- Similar to previous FortisBC alternatives except it uses distribution rather than transmission connections.
- Alternative 3d would include:
 - **A new BC Hydro above-ground substation** within Westbank First Nation or the City of West Kelowna.
 - **New BC Hydro underground and submarine transmission cables** crossing Okanagan Lake to FortisBC's Saucier Substation.
 - **New underground BC Hydro distribution cables** from Westbank Substation to the new substation.



2020 in review

Work this past year has focused on studying Alternative 3d.

- We're working towards a design and cost estimate for Alternative 3d conceptual design.
- Several tasks were completed in 2020 to support this:
 - Engagement with FortisBC.
 - Engagement with Westbank First Nation.
 - Engagement with City of Kelowna staff.
 - Conceptual-level desktop Environmental and Archeological Assessments.

Next steps in early 2021

| Task | Timeframe |
|---|------------|
| Engagement and collaboration with First Nations | Ongoing |
| Online public consultation | Early 2021 |
| Share our structured decision making | Early 2021 |
| Confirm leading alternative | Early 2021 |

Timeline

| Task | Timeframe |
|---|--|
| Feasibility design phase: <ul style="list-style-type: none"> Update cost estimate to +50%/-15%. Feasibility level design. Field studies as required. | Initiate in mid-2021. |
| Definition phase: <ul style="list-style-type: none"> Update cost estimate to +15%/-10%. Detailed design. Focused field studies as required. | <i>Timing to be updated once preferred alternative selected.</i> |
| Certificate of Public Convenience and Necessity (CPCN) <ul style="list-style-type: none"> Prepare application (6 months). Review/approval process by BCUC (12 months). | <i>Timing to be updated once preferred alternative selected.</i> |
| Implementation phase – construction begins. | <i>Timing to be updated once preferred alternative selected.</i> |

First Nations consultation and stakeholder engagement will be ongoing throughout all stages of the project.

Discussion and questions