Feedback Form

North & East of Sudbury Regional Electricity Planning – March 15, 2023

Feedback Provided by:

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Title:

Organization:

Email: [redacted]

Date: 5th April 2023

To promote transparency, feedback submitted will be posted on the North & East of Sudbury electricity planning engagement webpage unless otherwise requested by the sender.

Proposed Recommendations

Topic	Feedback
What feedback is there to the proposed recommendations?	
What information needs to be considered in these recommendations?	

Ongoing Engagement

Topic	Feedback
How can the IESO continue to engage with communities and stakeholders as these recommendations are implemented, or to help prepare for the next planning cycle?	

General Comments/Feedback

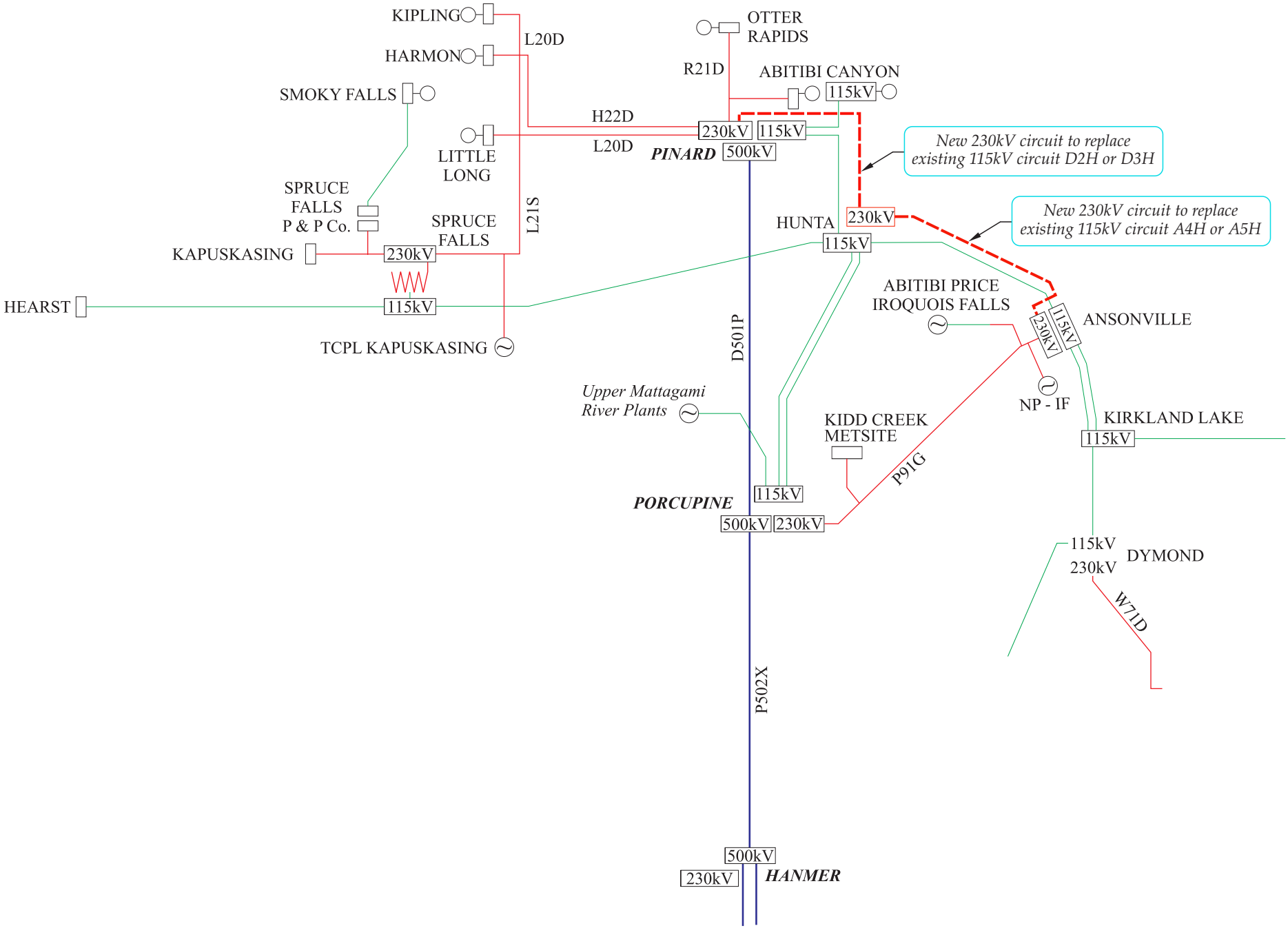
I'm disappointed that the study recommends the replacement of circuits D2H & D3H (Pinard TS to Hunt SS) and circuits A4H & A5H (Ansonville TS to Hunter SS) with like-for-like ***115kV*** facilities. This will only perpetuate the 115kV system and its inferior contribution to the security of the system in north-eastern Ontario.

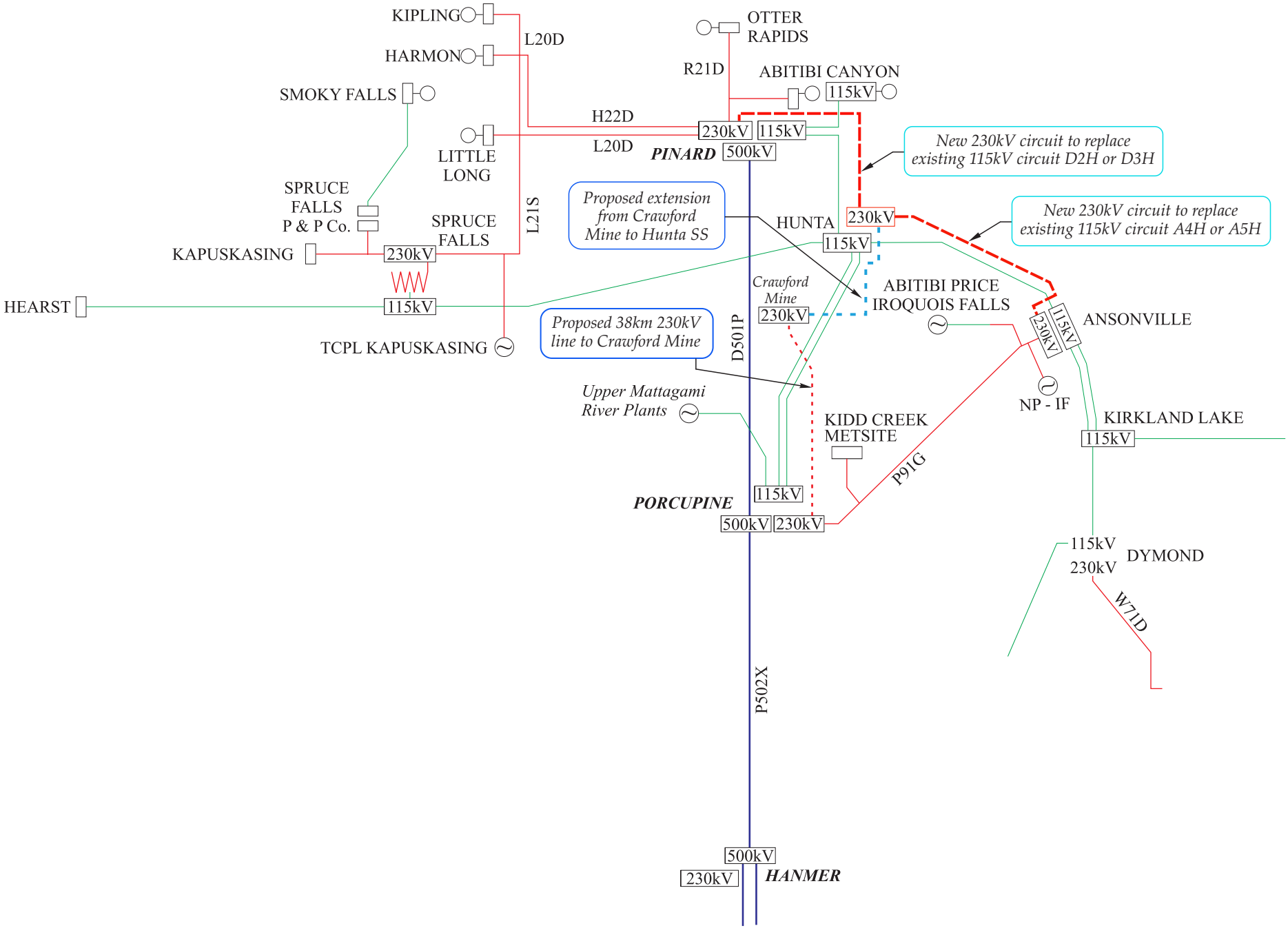
Since these four circuits collectively provide a direct link between Ansonville TS (in Iroquois Falls) and Pinard TS (in Fraserdale), via Hunta SS, it would appear that there is a unique opportunity to replace one circuit of each of these pairs of circuits with new circuits rated at 230kV. This would allow the existing 230kV facilities at Ansonville TS to be interconnected directly with the existing 230kV system at Pinard TS.

Together with the existing 230kV circuit P91G between Porcupine TS and Ansonville TS, this would provide a direct 230kV link between Porcupine TS and Pinard TS. This would address the majority of the concerns related to load supply during protracted outages to the 500kV circuit D501P, both planned and ***forced,*** that were raised on Slide 24 of the presentation.

If additional 230/115kV transformation facilities were also to be installed at Pinard TS then they would further enhance the supply capability of the 115kV system north of Pinard TS by allowing critical voltage support to be provided to this system from the 230kV-connected units at Abitibi Canyon GS and at the Mattagami River plants. This would be particularly beneficial during periods when neither of the 115kV-connected units at Abitibi Canyon is in-service. Should these additional transformation facilities be installed at Pinard TS, then there would appear to be little justification for replacing the entire length of the *remaining* 115kV circuit between Pinard TS and Hunta SS. To allow the existing Northland Power generating facilities, that are presently connected to circuit D2H, to remain radially connected into Hunta SS, it would however still be necessary to replace just the 4km section between these facilities and Hunta SS.

Although not mentioned in the presentation, it would appear that the 38km 230kV line that Canada Nickel Company Inc. is planning to build from Porcupine TS to supply their Crawford Mine, directly north of Timmins, should be an integral part of any review of the future development of the system in the north-east. Extending this line through to Hunta SS, to interconnect with the proposed 230kV connection between Ansonville TS and Pinard TS, would not only secure the supply to the Crawford Mine, but would further enhance the system north of Timmins. Installing additional 230/115kV transformation facilities at Hunta SS, would also allow the issues presented by the low-rated circuits H6T & H7T (between Hunta SS & Timmins TS) to be addressed.


KIPLING
HARMON
SMOKY FALLS
L20D
LITTLE LONG
H22D
L20D
OTTER RAPIDS
R21D
ABITIBI CANYON
115kV
230kV
115kV
PINARD
500kV
New 230kV circuit to replace existing 115kV circuit D2H or D3H
SPRUCE FALLS P & P Co.
SPRUCE FALLS
L21S
KAPUSKASING
230kV
HUNTA
230kV
115kV
New 230kV circuit to replace existing 115kV circuit A4H or A5H
HEARST
115kV
TCPL KAPUSKASING
ABITIBI PRICE IROQUOIS FALLS
ANSONVILLE
115kV
230kV
D501P
Upper Mattagami River Plants
NP - IF
KIDD CREEK METSITE
KIRKLAND LAKE
115kV
P91G
PORCUPINE
115kV
500kV
230kV
115kV
230kV
DYMOND
W71D
P502X
500kV
230kV
HANMER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Proposed extension from Crawford Mine to Hunta SS
HUNTA
230kV
115kV
New 230kV circuit to replace existing 115kV circuit A4H or A5H
Crawford Mine
230kV
ABITIBI PRICE
IROQUOIS FALLS
ANSONVILLE
115kV
230kV
Proposed 38km 230kV line to Crawford Mine
D501P
Upper Mattagami River Plants
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