

1 Q. **Re: CBA, Rev. 1, vol. II, Wabush Terminal Station Upgrades**

- 2 a. Please provide a high-level overview of a) major works carried out in Labrador West since  
3 the Labrador City Distribution Upgrade and voltage conversion works in the last decade, and  
4 b. the works proposed in the present CBA, as well as those foreseen therein.

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7 A.

8 a. The major works carried out in Labrador West since the Labrador City Distribution Upgrade  
9 and voltage conversion works in the last decade include the following:

- 10 • Connection of the Wabush Terminal Station Supervisory Control and Data Acquisition  
11 (“SCADA”) to the Newfoundland and Labrador Hydro system;
- 12 • Replacement of 230 kV circuit breakers: 230-2, 230-3 and 230-4;
- 13 • Replacement and protection upgrades of 46 kV circuit breakers: 46-33 and L33  
14 protection, 46-32 and L32 protection, 46-36 and L36 protection;
- 15 • Replacement 46 kV circuit breakers: 46-14 (IOC)<sup>1</sup>, 46-15 (IOC), 46-17, 46-30  
16 Replacement of disconnect switches: 11B14, 33B15, 11B15, 32-1, 34-1, 36B15, 5B15, 29-  
17 1, 14B11 (IOC), 14T13 (IOC), 15B15 (IOC) and 15T13 (IOC);
- 18 • Replacement of Wabush Terminal Station station service transformer SST2;
- 19 • Inspections of synchronous condensers SC1 and SC2;
- 20 • Installation of transformer T6 at Wabush Substation;
- 21 • Transposition modification for transformer T4 at Wabush Substation;

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<sup>1</sup> Iron Ore Company of Canada (“IOC”).

- 1                   • Reconfiguration of distribution feeders at Wabush Substation; and
- 2                   • Installation of a new feeder from Wabush Substation.
- 3           **b.** The upgrades proposed in the 2021 Capital Budget Application include projects at Wabush
- 4           Substation and at Wabush Terminal Station.

5           The project at Wabush Terminal Station involves the replacement of two power

6           transformers, T4 and T5, with 125 MVA units and the installation of a 23 MVAR capacitor

7           bank and associated equipment. To ensure firm supply for all customers, the system

8           additions listed above will be supplemented by capacity made available by either IOC's

9           synchronous condenser SC3 and reactor or the purchase of a 60 MVAR capacitor bank and

10          27 MVAR reactor. A final decision and cost determination on this item is expected in the

11          near term.

12          The project at Wabush Substation involves the addition of a new 26.7 MVA power

13          transformer, the installation of SCADA equipment, the replacement of the control building,

14          and distribution system upgrades.