

1 **IN THE MATTER OF**  
2 the *Electrical Power Control Act, 1994*,  
3 SNL 1994, Chapter E-5.1 (the “*EPCA*”)  
4 and the *Public Utilities Act, RSNL 1990*,  
5 Chapter P-47 (the “*Act*”), as amended,  
6 and regulations thereunder; and  
7

8 **IN THE MATTER OF** an application by  
9 Newfoundland and Labrador Hydro for approval  
10 of certain capital projects necessary for the continued  
11 operation of the Holyrood Thermal Generation Station  
12 pursuant to subsection 41(3) of the *Act*.  
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**PUBLIC UTILITIES BOARD  
REQUESTS FOR INFORMATION**

**PUB-NLH-001 to PUB-NLH-006**

**Issued: April 17, 2020**

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- 1 **PUB-NLH-001** Item 9 of the Application states that the schedule may be impacted by the  
2 COVID-19 pandemic and that Hydro will advise the Board, and provide  
3 plans for mitigation, should all or part of the proposed projects not be  
4 completed on schedule. Has Hydro completed or undertaken any risk  
5 analyses at addressing how Hydro would ensure the reliability of the Island  
6 Interconnected system should any of the four requested projects not be  
7 completed during the 2020 outage? If so, please provide any analyses  
8 undertaken to date.  
9
- 10 **PUB-NLH-002** For the four projects for which Hydro seeks approval has Hydro determined  
11 that all equipment parts required have been procured or that the supply chain  
12 for procurement of the parts has not been adversely impacted by the  
13 COVID-19 pandemic? Please detail the steps that Hydro has taken to ensure  
14 the delivery of the required equipment and materials.  
15
- 16 **PUB-NLH-003** Item 16 of the Application states that the turbine valves are critical to the  
17 unit operation. Please discuss the importance of the valves from both a  
18 production perspective and a safety perspective.  
19
- 20 **PUB-NLH-004** The COVID-19 pandemic has resulted in restricted movement of the general  
21 population.  
22 i. How has this restriction impacted Hydro’s ability to maintain its  
23 electrical plant within the Island Interconnected system where  
24 distancing may not be practical?  
25 ii. What physical distancing and other COVID-19 safeguards does Hydro  
26 plan to implement for the projects identified within the Application  
27 and do they differ from those implemented for the entire Island  
28 Interconnected system?  
29 iii. Does Hydro foresee any problems with obtaining expertise from the  
30 OEMs or third-party consultants in the work described in the  
31 Application as a result of travel restrictions and self-isolation  
32 requirements? If so, how does Hydro plan to mitigate these risks?  
33
- 34 **PUB-NLH-005** Section 2.3 of Appendix C states that the last boiler feed pump overhaul in  
35 2013 used a refurbished volute impeller cartridge. The impeller cartridge  
36 that was removed at that time was refurbished and is now planned to be used  
37 in this current proposed overhaul. Section 4.1 of Appendix C further states  
38 that “the volute impeller cartridge which is removed from the pump [during  
39 the overhaul proposed within the Application] would then be refurbished  
40 and returned to inventory as a critical spare to support both of the Unit 3  
41 boiler feed pumps prior to the next winter operating season.”  
42 i. How confident is Hydro that the continued use of refurbished parts for  
43 this critical item is appropriate?  
44 ii. Has Hydro completed an economic and/or reliability analysis that  
45 recommends the continued refurbishment of this critical piece of  
46 equipment as opposed to purchasing a new impeller cartridge? If so,  
47 please provide the analysis(es).  
48

- 1 **PUB-NLH-006** Page 2 of 7 (Unit 2 Generator Overhaul) within Attachment 1 of the  
2 Application states that “Based on review of the GE inspection reports since  
3 2011, Wood recommends that the scope of proposed work should be  
4 executed in 2020 to ensure continued reliable and safe operation until end of  
5 baseload production and afterwards, which may include operation as a  
6 synchronous condenser.”
- 7 i. Has Hydro provided information to Wood Canada Limited that might  
8 lead them to believe that Holyrood Unit 2 may be used as a  
9 synchronous condenser at any point in the future? If so, please provide  
10 the correspondence and/or report(s).
- 11 ii. Please confirm that Wood Canada Limited would still endorse all of  
12 the work proposed in the Unit 2 Generator Overhaul project given that  
13 Hydro’s submitted Holyrood future plan includes Unit 3 only (i.e., not  
14 Unit 2) as being used as a synchronous condenser.

**DATED** at St. John’s, Newfoundland this 17<sup>th</sup> day of April, 2020.

**BOARD OF COMMISSIONERS OF PUBLIC UTILITIES**

Per

  
Cheryl Blundon  
Board Secretary