



NEWFOUNDLAND AND LABRADOR  
**BOARD OF COMMISSIONERS OF PUBLIC UTILITIES**  
120 Torbay Road, P.O. Box 21040, St. John's, Newfoundland and Labrador, Canada, A1A 5B2

2017-05-04

Ms. Tracey Pennell  
Senior Counsel  
Newfoundland and Labrador Hydro  
P.O. Box 12400  
St. John's, NL A1B 4K7

Dear Ms. Pennell:

**Re: Newfoundland and Labrador Hydro - 2017 Capital Budget Supplemental Application - Reliability Improvements at the Holyrood Thermal Generating Station - RFIs PUB-NLH-001 to PUB-NLH-007**

Enclosed are Requests for Information PUB-NLH-001 to PUB-NLH-007 regarding the above-noted application.

If you have any questions, please do not hesitate to contact the Board's Legal Counsel, Ms. Jacqui Glynn, by email, [jglynn@pub.nl.ca](mailto:jglynn@pub.nl.ca) or telephone (709) 726-6781.

Yours truly,

Cheryl Blundon  
Board Secretary

CB/cj

Enclosure

ecc **Newfoundland & Labrador Hydro**  
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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, and  
6 regulations thereunder; and  
7

8 **IN THE MATTER OF**  
9 an application by Newfoundland and Labrador  
10 Hydro for approval to undertake Reliability  
11 Improvements at the Holyrood Thermal  
12 Generating Station.

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**PUBLIC UTILITIES BOARD  
REQUESTS FOR INFORMATION**

**PUB-NLH-001 to PUB-NLH-007**

**Issued: May 4, 2017**

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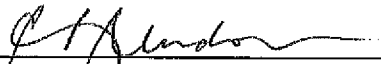
- 1     **PUB-NLH-001**     Please provide a detailed cost breakdown of items 1-3 listed on page i.  
2
- 3     **PUB-NLH-002**     Page 1, lines 16-20: *“It is anticipated that completion of this work will  
4     increase the current de-rated capacity of Units 1 and 2 by 10 MW per  
5     unit. In addition, the boiler air heaters serving Unit 3 will also be  
6     refurbished to improve reliability. Boiler fouling, another contributor to  
7     unit de-rating, is already scheduled to be addressed this summer as part of  
8     the 2017 boiler maintenance work.”*  
9
- 10           (a)    What impact does Hydro anticipate the boiler fouling will have on  
11                    the de-rating of Units 1 and 2?  
12
- 13           (b)    Please confirm the expected de-ratings of Units 1 and 2 for the  
14                    winter of 2017/18 if Hydro completes the boiler fouling but does not  
15                    complete the proposed supplemental capital project.  
16
- 17     **PUB-NLH-003**     Page 8, lines 2-4: *“Based on the condition assessment completed by  
18     Howden and B&W, refurbishment of boiler air heaters and replacement of  
19     expansion joints must be completed to ensure reliability and availability of  
20     the capacity of Units 1, 2 and 3.”*  
21
- 22           The condition assessments of Howden and B&W were completed in 2016.  
23           Prior to 2016, when was the last condition assessment performed on the  
24           air heaters and expansion joints?  
25
- 26     **PUB-NLH-004**     Page 13, lines 4-9: Please confirm that the use of the contingency for this  
27                    project will be limited to additional components within the scope of items  
28                    1 – 3 listed on page i and not for unrelated equipment or projects within  
29                    the Holyrood Terminal Station. Please provide examples of the type of  
30                    replacements the contingency would cover and detail the circumstances in  
31                    which a separate supplemental capital budget application would be filed.  
32
- 33     **PUB-NLH-005**     Page 21, lines 10-12: Please provide the most recent P90 Peak Demand  
34                    Forecast for the winter of 2017/18 and a comparison of available capacity,  
35                    including and excluding the capacity improvements expected from the  
36                    proposed project.  
37
- 38     **PUB-NLH-006**     Please provide details of any cost benefit analysis conducted by Hydro as  
39                    justification for this project. In the response, please discuss the cost  
40                    effectiveness of the proposed project in relation to the winter 2017/18  
41                    demand forecast and available capacity.  
42
- 43     **PUB-NLH-007**     Appendix A, pages 2-7: The Howden report stated that a number of  
44                    incorrect welds in the rotor structure and incorrect seals in the sealing  
45                    system were identified during the Unit 1 air heater inspection.  
46
- 47           (a)    Please confirm if these items contributed to the unit derating.

1  
2

(b) Please confirm if the cost to correct these items is included in this project, and if so, identify the amount.

**DATED** at St. John's, Newfoundland this 4<sup>th</sup> day of May 2017.

**BOARD OF COMMISSIONERS OF PUBLIC UTILITIES**

Per   
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Cheryl Blundon  
Board Secretary