

## 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

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2013-11-06

Mr. Geoffrey Young Senior Legal Counsel Newfoundland and Labrador Hydro P.O. Box 12400 St. John's, NL A1B 4K7

Dear Mr. Young:

Re: Newfoundland and Labrador Hydro - 2013 General Rate Application

Enclosed are Information Requests PUB-NLH-284 to PUB-NLH-350 regarding the above-noted application.

If you have any questions, please do not hesitate to contact the Board's Legal Counsel, Ms. Jacqui Glynn, via jgylnn@pub.nl.ca or (709) 726-6781.

Yours truly,

Cheryl Blundon

Board Secretary

/bt Encl.

e.c.c.

Newfoundland & Labrador Hydro

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Newfoundland Power Inc.

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Mr. Thomas Johnson, E-mail: tjohnson@odeaearie@nf.ca

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Corner Brook Pulp and Paper Limited. North Atlantic Refining Limited and Teck Resources

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Yvonne Jones, MP Labrador

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1	III IIII WAAT I EAR 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	•
7	IN THE MATTER OF a General Rate
8	Application (the "Application") by
9	Newfoundland and Labrador Hydro to
10	establish customer electricity rates for 2014

## PUBLIC UTILITIES BOARD REQUESTS FOR INFORMATION

PUB-NLH-284 to PUB-NLH-350

Issued: November 6, 2013

PUB-NLH-284

PUB-NLH-285

PUB-NLH-287

PUB-NLH-288

**PUB-NLH-286** 

Further to the response to V-NLH-1 in relation to the 2013 RSP proceeding, is Hydro aware of any utilities in North America that utilize a hydraulic variation component within their rate stabilization plans or fuel adjustment charges? If the answer is yes, provide the name of each utility and describe the provisions of each such hydraulic load variation, including a comparison of each to Hydro's current provisions which outlines the similarities and the differences with Hydro's hydraulic variation component.

Further to the response to V-NLH-1 in relation to the 2013 RSP proceeding, is Hydro aware of any utilities in North America that utilize a fuel variation component within their rate stabilization plan or fuel adjustment charge? If the answer is yes, provide the name of each utility and describe the provision of each such fuel variation, including a comparison of each to Hydro's current provisions which outlines the similarities and the differences with Hydro's fuel variation component.

Further to the response to CA-NLH-7 in relation to the 2013 RSP proceeding, provide a table comparing actual revenues obtained (in total dollars and on an average \$/kWh basis) to revenues that would have been generated had the Industrial customer rates not been frozen from January 1, 2008 to August 31, 2013, applying fully the current RSP rules. Show revenues each year since 2007 for each Industrial customer and include NP actual revenue on a \$/kWh basis for comparison purposes.

Further to the response to CA-NLH-7 in relation to the 2013 RSP proceeding, provide a table for the period 2007 to 2012 comparing actual revenues obtained (in total dollars and on an average \$/kWh basis) to revenues that would have been received had only the hydraulic and fuel variation provisions of the RSP been applied during the period, that is, no load variation adjustments to revenues. Show the revenue for each year for each Industrial customer and for NP and the resulting net income for Hydro each year.

Further to the response to CA-NLH-7 in relation to the RSP proceeding, provide a table for the period 2007 to 2012 comparing actual revenues obtained (in total dollars and on an average \$/kWh basis) to revenues that would have been received if only the hydraulic variation provision of the RSP had been applied and the variation in actual fuel costs from the test year fuel costs was recovered over the subsequent year, rather than as in the current RSP fuel variation provision. Show the revenue for each year for each Industrial customer and for NP and the resulting net income for Hydro each year.

Explain in detail the advantages and disadvantages for Hydro and for 1 PUB-NLH-289 2 customers of the ability to recover variations from the test year in each of: 3 4 (i) 5 (ii) hydraulic production; and 6 (iii) fuel price and volume 7 8 and explain why, in Hydro's opinion, all three components should be 9 included in the RSP. 10 11 PUB-NLH-290 Further to the response to CA-NLH-17 in relation to the 2013 RSP 12 proceeding, describe in detail the "significant value" the RSP provides to 13 customers. In the response also outline any disadvantages that the RSP 14 presents for customers. 15 16 PUB-NLH-291 Further to the response to CA-NLH-17 in relation to the 2013 RSP 17 proceeding, did Hydro perform any analysis or review to support its conclusion that the RSP is of "significant value" to customers? If yes, 18 19 provide a copy of such analysis or review. If no analysis was completed, 20 why not? 21 22 PUB-NLH-292 Further to the response to CA-NLH-17 in relation to the 2013 RSP 23 proceeding, explain in detail the "value" the RSP provides to Hydro. 24 Include in the response, all the advantages and disadvantages for Hydro 25 arising from the RSP. 26 27 PUB-NLH-293 Further to the response to PUB-NLH-18 in relation to the 2013 RSP 28 proceeding, in which Hydro stated that it had not considered the 29 introduction of a cap on the variations in the load component of the RSP 30 while maintaining the current treatment of both the revenue and fuel 31 components of the load variation component, what, in Hydro's opinion, 32 are the advantages and disadvantages of such a cap for customers and for 33 Hydro? 34 35 PUB-NLH-294 Further to the response to PUB-NLH-19 in relation to the 2013 RSP 36 proceeding, in which Hydro states that "...ideally, the RSP methodology 37 would have been able to handle these load variations, as variations of 38 even greater magnitude have historically occurred in Hydraulic and Fuel 39 Cost components of the RSP", provide the details on these variations of 40 "greater magnitude" referred to in the response. Why, in Hydro's opinion, 41 were such variations adequately dealt with by the RSP but the load 42 variations were not? 43 44 PUB-NLH-295 Further to the response to CA-NLH-027 does Hydro consider the rural 45 subsidy to be a true cost to be reflected in the Cost of Service revenue to cost ratio? 46

PUB-NLH-296 1 Further to the response to CA-NLH-027 has Hydro considered other 2 possible ways of presenting the revenue to cost ratio to better reflect the 3 impact of the inclusion of the rural subsidy on the rates of the customers of 4 Hydro and of Newfoundland Power Inc.? If so, which possibilities have 5 been considered? 6 7 PUB-NLH-297 Further to the response to CA-NLH-053, provide details of the treatment 8 in the Cost of Service of a fully contributed asset, including ownership, 9 O&M, and any other relevant factors. 10 11 PUB-NLH-298 Further to the response to CA-NLH-098, Attachment 1, page 30 of 63. 12 identify the plant that is associated with each rating in the table provided 13 in Note 17(d). 14 15 PUB-NLH-299 Further to the response to CA-NLH-105 were any positions upgraded to higher pay grades in the period 2009 to 2012, in addition to receiving the 16 17 increases outlined in the responses? If yes, list the positions and describe 18 the upgrade given for each position. 19 20 PUB-NLH-300 Further to the responses to PUB-NLH-05 and PUB-NLH-092 which 21 describe non-regulated services performed by Hydro for Nalcor, provide a 22 revised Exhibit 7 Non-Regulated Operations to reflect these non-regulated 23 operations and any other additions, deletions or changes to such services 24 so that Exhibit 7 accurately reflects current non-regulated operations of 25 Hydro. 26 27 Further to the response to PUB-NLH-021 which outlines action Hydro has PUB-NLH-301 28 taken to improve the accuracy of capital budget project cost estimates and 29 its ability to complete capital projects on schedule, explain in detail any additional action Hydro intends to take given the percent complete 30 31 decreased in 2012 (response to NP-NLH-016) and the variance from 32 budget increased (2012 Annual Financial Review by Grant Thornton, page 33 64-65). 34 35 PUB-NLH-302 Further to the response to PUB-NLH-023 and Chart 2.4, page 2.17 of the 36 Application, in which wages/salaries from Alberta, Hebron and Vale are 37 shown, what comparator or peer group does Hydro consider in assessing 38 whether its wages, salaries and benefits are reasonable and competitive? 39 Describe in detail the criteria used in the selection of the comparator group 40 and whether there are different groups used for various positions or 41 classifications, including the executive and senior management. 42 43 PUB-NLH-303 Further to the responses to PUB-NLH-028 and CA-NLH-105 provide a 44 copy of the review completed by Mercer on non-union compensation.

1 PUB-NLH-304 Further to the response to PUB-NLH-032 does the 2013 Test Year 2 Revenue Requirement include any amount for incentive compensation 3 payments? If yes, state the 2013 forecast amount and the actual amounts 4 5 6 each year from 2007 to 2012. Further to the response to PUB-NLH-032 does the 2013 Test Year PUB-NLH-305 7 Revenue Requirement include any amount for the merit-based, re-earnable cash payments for employees referred to in footnote 1 of the response? If 8 9 yes, state the 2013 forecast amount and the actual amounts of such 10 payments each year from 2007 to 2012. 11 Further to the response to PUB-NLH-037 explain where the expense 12 PUB-NLH-306 adjustments/additions made for 2007 and 2008 in Table 1 in the response 13 14 were reflected in the 2007 actuals in Table 2.4, page 2.21 of the Application and whether any other adjustments are required to Table 2.4 15 16 17 to reflect the response given in PUB-NLH-037. Further to the responses to PUB-NLH-052 and NP-NLH-027 does Hydro 18 PUB-NLH-307 19 intend to file a revised 2013 Test Year Revenue Requirement to reflect the updated financial forecast for 2013? If yes, when will it be filed? If no, 20 21 22 why not? 23 Further to the responses to PUB-NLH-054 and PUB-NLH-056 what is the PUB-NLH-308 increase in the 2013 Revenue Requirement if the return on equity is 24 Hydro's marginal cost of debt, 4.138% (response to PUB-NLH-053) and 25 26 27 rural assets are included in rate base? 28 PUB-NLH-309 The responses to the following sets out certain increases in the 2013 Test 29 Year Revenue Requirement: 30 31 1) PUB-NLH-062 - \$5.1 million increase due to the 100 million equity contribution by the Government in 2009; and 32 2) PUB-NLH-056 - \$20.9 million increase due to the Government 33 direction to allow the same return on equity as allowed for 34 Newfoundland Power and to include rural assets in the 35 calculation of rate base. 36 37 38 What are the benefits and disadvantages to Hydro and to rate payers flowing from these increases in revenue requirement? 39 40 41 PUB-NLH-310 Further to the response to PUB-NLH-078 explain in detail how each rural rate listed in the response differs from the standard rate for the same type 42 43 of service. 44 Further to the responses to PUB-NLH-093 and PUB-NLH-094 provide a 45 PUB-NLH-311 revised Attachment 1 that lists each deferral and recovery element in the 46 47 existing RSP and the additional deferral and recovery elements Hydro proposes be added in this Application. 48

1 PUB-NLH-312 Further to the response to PUB-NLH-095 where Hydro listed recovery 2 mechanisms in other jurisdictions, provide for each deferral mechanism 3 listed as existing in other Canadian jurisdictions a comparison, including 4 all similarities and differences, with Hydro's equivalent mechanism. 5 6 PUB-NLH-313 Further to the responses to NP-NLH-105 and to IN-NLH-010, provide the 7 reports from all reviews that have been undertaken by Hydro to evaluate 8 the effectiveness of any CDM programs after they have been put in place. 9 10 PUB-NLH-314 Further to the response to PUB-NLH-139 and PUB-NLH-147 how does Hydro ensure that there is effective corporate governance given the 11 12 percentage of time shown in PUB-NLH-147 that the officers of the 13 company are engaged in Hydro's regulated operations? 14 15 PUB-NLH-315 Further to the responses to PUB-NLH-139 and NP-NLH-058 given that 16 Hydro and Nalcor have the same Boards of Directors and the same 17 officers, explain in detail the policies, procedures and practices which are in place to ensure that the best interests of Hydro are considered and 18 19 dominant in any decision making process. In the response include the 20 policies, procedures and practices which are followed where there are 21 potential conflicts of interest between Hydro and Nalcor. 22 23 PUB-NLH-316 Further to the response to PUB-NLH-141 which states that all analyses 24 relating to the organizational structure for Hydro and its relationship with 25 Nalcor were completed internally, provide copies of all such internal 26 analyses, studies, reports and memoranda. 27 28 PUB-NLH-317 Further to the response to PUB-NLH-141, page 2, lines 13-14, provide a 29 copy of the guiding principles adopted by the Nalcor Leadership Team as 30 part of the organizational review. 31 32 PUB-NLH-318 Further to the response to PUB-NLH-145 did Hydro or its external 33 consultant complete a review or survey of practices of others to determine 34 industry standards regarding intercompany transactions? If yes, provide all 35 information and documentation on such review or survey, including the 36 companies reviewed and the information provided by such companies. 37 38 PUB-NLH-319 Further to the response to PUB-NLH-146, provide the list of senior, single 39 incumbent roles in various departments and selected senior leads in the 40 Controller's department that were transferred to Nalcor and the amount of 41 time spent by each position on work for Hydro and for Nalcor since the 42 date of transfer of each position. 43 44 PUB-NLH-320 Update the response to PUB-NLH-147 to provide a forecast for 2013 of the time to be allocated to Hydro by the positions listed on Attachment 1. 45

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	PUB-NLH-321	Further to the response to PUB-NLH-165 explain the basis for sharing annual report and annual meeting expenses among the lines of business and the basis for allocating such costs on a case-by-case basis.
	PUB-NLH-322	Further to the response to PUB-NLH-222 explain why, beginning in 2010, billable hours are used in the calculation of the bill rate, rather than total hours as previously.
	PUB-NLH-323	Further to the response to PUB-NLH-226 does Hydro have a written policy on the recording of time by employees through timesheets? If yes, provide a copy of such policy.
	PUB-NLH-324	Further to the response to PUB-NLH-231 explain why the administrative fully loaded cost was increased from 42% to 57% in 2009 and provide the details of the calculation supporting the 57% currently used.
	PUB-NLH-325	Further to the response to PUB-NLH-252 given the hours charged by the Nalcor Rates and Financial Planning Analyst to Hydro each year, explain why it is considered appropriate that the position is a Nalcor one.
	PUB-NLH-326	Further to the response to NP-NLH-024, Attachment 1, page 24, in which information is provided on other utilities' practices for intercompany transactions for shared services, describe in detail for each utility the types of services shared and compare them to those shared by Nalcor and Hydro.
	PUB-NLH-327	Further to the response to NP-NLH-024, Attachment 1, page 24, in which information is provided on intercompany transactions of certain utilities, state whether corporate executive services such as the Chief Executive Officer and Vice President of Finance are shared in the utilities that participated in the review, other than Hydro. If yes, describe in detail the executive services shared, the basis for sharing and the percentage of time of each executive spent annually on the business of the regulated utility.
	PUB-NLH-328	Further to the response to NP-NLH-058, page 2, line 34, who attends each of the monthly meetings of the senior management group for Nalcor and for Hydro?
	PUB-NLH-329	Further to the response to NP-NLH-058, page 2, describe in detail the process used to monitor the impact on Hydro resources of services performed for and by Nalcor and the criteria used to determine whether an adjustment is to be made in Hydro's resources.

Further to the response to NP-NLH-131, page 4, lines 6-8, what company 1 PUB-NLH-330 owns, operates and maintains the four 38.35 MVar capacitor banks and 2 associate equipment at the Come By Chance Terminal Station installed in 3 4 2011/2012? Are these assets assigned either specifically or as common 5 assets by Hydro in its 2013 Cost of Service Study? 6 7 Further to the response to IC-NLH-030, page 6 of 10, provide an PUB-NLH-331 8 explanation of the table, including the source of the information provided, an indication of which numbers are actual (as of the date of preparation of 9 the table) and which are forecast, the significance of the line labeled 10 "WABUSH MINES" and the composition of the line labeled "NLH 11 LABRADOR INTERNAL REQ'D (at CF)". 12 13 14 PUB-NLH-332 Further to the response to IC-NLH-034, provide details of the derivation 15 of \$217,000 shown as the IOC cost recovery. 16 17 Further to the response to IC-NLH-072, why, given the differences PUB-NLH-333 between Newfoundland Power Inc.'s curtailable load and Newfoundland 18 Power In.'s generation capacity, would consideration be given to treating 19 20 the curtailable load in the same manner as Newfoundland Power Inc.'s 21 generation capacity? 22 23 PUB-NLH-334 Further to the response to IN-NLH-052, confirm that the numbers for SAIFI and SAIDI in this response include planned and unplanned outages 24 and, if planned and unplanned outages are included, restate the 25 information separating the planned and unplanned numbers. 26 27 28 Further to the response to V-NLH-003, Attachment 1, page 2 of 2, provide PUB-NLH-335 29 an explanation of why the ecoenergy wind credit is greater than the \$620,850 noted in the response to PUB-NLH-017 and in NP-NLH-059. 30 31 32 PUB-NLH-336 Adjust the 2013 Test Year Revenue Requirement showing details of the 33 impact to reflect a reduction in the Industrial Customers' total load equal to the total 2013 forecast load of Corner Brook Pulp & Paper Limited, 34 North Atlantic Refining Limited and Teck Resources. 35 36 37 PUB-NLH-337 Provide a detailed calculation, showing a separate adjustment to the 2013 38 Test Year Revenue Requirement for the impact of the change in load of each customer, to reflect a reduction in the Industrial Customers' total load 39 equal to the 2013 forecast load of each of the following Industrial 40 Customers: Corner Brook Pulp & Paper Limited, North Atlantic Refining 41 Limited and Teck Resources. 42

1 PUB-NLH-338 Does Hydro participate in an association of utilities that serves customers 2 through diesel powered generation? If yes, how long has Hydro been a 3 member and what are the practices of such group relating to the sharing of 4 information? 5 6 PUB-NLH-339 Hydro filed, as part of its 2003 GRA, a Discussion Paper for the Minister 7 of Mines and Energy on the Rural Deficit which included information on 8 the comparative practices in other jurisdictions on the subsidization of 9 certain rates, and Hydro further updated this information in response to an 10 information request during the hearing (NP-58). Provide a copy of this 11 Discussion Paper and update the information provided in the 2003 GRA 12 relating to comparative practices in other jurisdictions. 13 14 PUB-NLH-340 Further to the response to PUB-NLH-100, provide the data sources, 15 calculations and workpapers used to derive 0.18675 "Estimated Tail Block 16 Rate based upon 2013 Test Year (\$/kWh)" as shown on the table provided 17 in the response. 18 19 PUB-NLH-341 Explain in detail why the Coincident Peak at Generation for the Island 20 Interconnected System (1,376,994 kW) as shown on "System Load 21 Factor," Schedule 4.2, Exhibit 13 differs from the Coincident kW at 22 Generation Grand Total (1,341,001 kW) shown on "Summary of Demand 23 and Energy Factors" in the supporting file "Load2013TY," provided with 24 the Cost of Service model. 25 Further to the response to PUB-NLH-137, explain in detail if the Wabush 26 PUB-NLH-342 Terminal Station 3<sup>rd</sup> and 4<sup>th</sup> expansion is an energy source and provide the 27 28 capacity available to Hydro, monthly quantity supplied and the average 29 unit costs (demand and energy). Also, explain why these power purchases 30 should be allocated 100% to Distribution Demand rather than to 31 production demand or energy. 32 33 PUB-NLH-343 In Exhibit 3, Section 1.2 – Labrador Interconnected, it is indicated that 34 "Virtually all power and energy is purchased from Churchill Falls 35 Corporation Ltd." Specify capacity charges and energy charges for this 36 purchased power.

1 PUB-NLH-344 In the GRA Application, Section 2.6.2 Labrador Interconnected System it 2 is stated that the majority of energy consumed is purchased from 3 CF(L)Co, with the exception of gas and diesel generation from Happy 4 Valley-Goose Bay when needed for outages or system support. However, 5 in the same section there is also reference to other power purchase expense 6 for the Labrador Interconnected System related to TwinCo Wabush 7 Terminal Station. Explain in detail how, if the energy from CF(L)Co and 8 gas and diesel generation from Happy Valley-Goose Bay is the only 9 energy consumed in the Labrador Interconnected System, there is also a 10 power purchase expense related to TwinCo Wabush Terminal. If TwinCo 11 Wabush represents additional energy supplied to the system, describe in 12 detail this purchase, how many KWs and kwhs are delivered to the 13 Labrador Interconnected System, and the frequency of these deliveries. 14 15 PUB-NLH-345 Identify the gas and diesel plants in Labrador Interconnected System, and 16 for each of them, indicate when they are dispatched and what the output 17 (MWh) is. 18 19 PUB-NLH-346 Provide a detailed description of the \$863,434 Revenue Credit associated 20 with CFB - Goose Bay Secondary, including workpapers showing how it 21 is calculated. 22 23 PUB-NLH-347 In reference to the RSP Adjustment of (1.101) cents per kWh presented in 24 the Monthly Rates of the Utility Rate Schedule provided with the GRA 25 Application (page 3 of 47), provide all related data and workpapers and 26 explain in detail how this rate was calculated and the elements of the RSP 27 balance that it is intended to cover. 28 29 PUB-NLH-348 Table 4.4 "Comparison of Revenues and RSP at Existing and Proposed 30 Rates" in Section 4.5 of the GRA Application shows a change of 31 -\$91,410,862 in the RSP for Newfoundland Power. Is this negative change 32 part of the RSP Surplus refund plan referred in Section 3.8.2 Rate 33 Stabilization Plan, or is it part of the RSP adjustment of (1.101) cents per 34 kWh? If it is neither of these RSP elements, explain what portion of the 35 RSP it pertains to and provide as much detail as possible in your explanation. 36 37 38 PUB-NLH-349 Further to response to IN-NLH-106, provide a full description of precisely 39 what is meant in each instance where it is indicated that the rate is 40 "Indexed based on NP's average rate change to this rate class". Also, 41 provide examples of how these rates are set. 42 43 PUB-NLH-350 Provide a detailed description of each component of the CDM program 44 labeled "Install" as shown on table 6 of Section 4.1.2 of Exhibit 9: Report 45 to Newfoundland & Labrador Hydro. This program represents 58.61% of the actual CDM Portfolio Spending in 2012. 46

**DATED** at St. John's, Newfoundland this 6<sup>th</sup> day of November, 2013.

## **BOARD OF COMMISSIONERS OF PUBLIC UTILITIES**

Cheryl Blandon

Cheryl Blundon
Board Secretary