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JAN 28 2022

The Island Regulatory  
and Appeals Commission

January 28, 2022

Ms. Cheryl Mosher  
Island Regulatory & Appeals Commission  
PO Box 577  
Charlottetown PE C1A 7L1

Dear Ms. Mosher:

**UE20604 – Application for an ECAM Rate Adjustment  
Response to Interrogatories from Mr. John te Raa**

Please find attached the Company's responses to interrogatories from Mr. John te Raa with respect to the Company's Application for an Order to Approve an ECAM Rate Adjustment effective March 1, 2022 filed with the Commission on December 17, 2021.

Yours truly,

MARITIME ELECTRIC

A handwritten signature in blue ink that reads "Gloria Crockett". The signature is written in a cursive style.

Gloria Crockett, CPA, CA  
Manager, Regulatory & Financial Planning

GCC05  
Enclosure

All our energy.  
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Via email: [johnteraa@gmail.com](mailto:johnteraa@gmail.com)

January 28, 2022

Mr. John te Raa  
1848 Hardy Mill Rd – Rte 220  
York PE C0A 1P0

Dear Mr. te Raa:

**UE20644 – Application for an ECAM Rate Adjustment  
Response to Interrogatories**

Please find attached the Company's response to your interrogatories with respect to the Company's Application for an Order to Approve an ECAM Rate Adjustment effective March 1, 2022 filed with the Commission on December 17, 2021.

Yours truly,

MARITIME ELECTRIC

A handwritten signature in blue ink that reads "Gloria Crockett".

Gloria Crockett, CPA, CA  
Manager, Regulatory & Financial Planning

GCC04  
Enclosure

**RESPONSE TO  
INTERROGATORIES  
FROM  
MR. JOHN TE RAA**

**Docket UE20604  
ECAM Rate Increase**

**Submitted January 28, 2022**

IR-1 What was the actual date that Point Lepreau returned to full service generation?

***Response:***

Point Lepreau ramped-up its output to 97 per cent on January 10, 2022 in anticipation of high electrical loads in New Brunswick for January 11 and 12. NB Power considers an output of 97 per cent to be high power output.

IR-2 What are the actual number of MWh that Maritime Electric obtained from Point Lepreau during 2020 and 2021 respectively?

***Response:***

Maritime Electric received 218,053 megawatt hours (“MWh”) in 2020 and 204,193 MWh in 2021 at the point of delivery (“POD”) at Point Lepreau, NB, which was Maritime Electric’s share of the total output of the Point Lepreau Nuclear Generating Station in accordance with the Participation Agreement.

IR-3 Referring to Section 6.1 Table 2 Point Lepreau – Unscheduled Outages.

For each time period indicated under ‘Full Outage Days’ and ‘De-rated Outage Days’.

What is the corresponding ISO New England ‘Day-Ahead’ price at the New Brunswick/Maine interface?

***Response:***

The attached spreadsheet IR-3 – Attachment 1 shows the dates that Point Lepreau had either no output (i.e., an outage day) or partial output (i.e., a derate day). It also includes Day-Ahead pricing information that has been sourced from ISO New England’s website for the ‘NB External Node’<sup>1</sup>, which can be found at: <https://www.iso-ne.com/isoexpress/web/reports/pricing/-/tree/lmp-by-node>.

Note: The daily values provided are averages of 24 hours of hourly data, and are expressed in US dollars and do not include the following price adders:

1. New Brunswick transmission service charges;
2. New Brunswick system losses;
3. New Brunswick Open Access Transmission Tariff (“OATT”) ancillary service charges for Regulation, Load Following, Spinning Reserve Charges, Control and System Dispatch, and Reactive Power Supply & Voltage Control (NB OATT Schedules 1, 2, 3, and 5);
4. Scheduling and tagging charges;
5. ISO-NE energy exit fees, in the event that the replacement energy is sourced from ISO-NE-based generation; and
6. Energy marketer markup.

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<sup>1</sup> Location ID number is 4010; location name is “.I.SALBRYNB345 1”, where the 345 indicates a voltage of 345 kilovolt.

IR-4 In addition to the replacement energy cost of \$4,995,650 the increased maintenance and repair cost was \$1,700,000 as identified in Section 6.3 line #301 of the evidence submitted.

This is a cost equivalent to \$23,300 per day for each of the 73 days of full outage.

What is the breakdown of these costs?

**Response:**

NB Power indicates that \$1,200,000 of the \$1,700,000 of increased maintenance and repair costs identified in Section 6.3 (line #301) of the evidence submitted were attributable to the three unplanned Point Lepreau outages that occurred in 2021. The remaining difference is attributed to increases in costs for hired services, material requirements and labour costs.

A breakdown of the monthly variances is provided in the following table.

Month	Budget	Actual <sup>2</sup>	Difference
January 2021	\$ 861,400	\$ 782,522	\$ (78,878)
February 2021	871,700	1,081,936	210,236
March 2021	876,200	1,182,821	306,621
April 2021	858,500	1,019,381	160,881
May 2021	841,600	1,091,009	249,409
June 2021	868,000	855,434	(12,566)
July 2021	862,900	934,319	71,419
August 2021	864,000	998,367	134,367
September 2021	859,100	883,872	24,772
October 2021	840,000	941,990	101,990
November 2021	865,300	935,231	69,931
December 2021	890,300	1,270,259	379,959
<b>TOTAL</b>	<b>\$ 10,359,000</b>	<b>\$ 11,977,141</b>	<b>\$ 1,618,141</b>

<sup>2</sup> The Point Lepreau maintenance and repair costs provided in Section 6.3 on page 13 of the Application were based on actual costs incurred to the end of November 2021 and a forecast for December, 2021. The latter has been updated in this table to reflect the actual costs incurred for December 2021.



**Attachment IR-3**

**Attachment 1**



Date	Outage Day	Partial Output Day (Derate)	ISO-NE Day Ahead Price @ NB External Node (USD\$/MWh)
<b>OUTAGE 1</b>			
16-Jan-21	Outage		\$30.87
17-Jan-21	Outage		\$27.92
18-Jan-21	Outage		\$26.21
19-Jan-21	Outage		\$37.43
20-Jan-21	Outage		\$41.59
21-Jan-21	Outage		\$44.14
22-Jan-21	Outage		\$31.33
23-Jan-21	Outage		\$43.92
24-Jan-21	Outage		\$43.20
25-Jan-21	Outage		\$44.36
26-Jan-21	Outage		\$48.82
27-Jan-21	Outage		\$49.48
28-Jan-21	Outage		\$65.65
29-Jan-21	Outage		\$85.19
30-Jan-21	Outage		\$83.85
31-Jan-21	Outage		\$87.49
01-Feb-21	Outage		\$66.74
02-Feb-21	Outage		\$61.51
03-Feb-21	Outage		\$101.90
04-Feb-21	Outage		\$114.14
05-Feb-21	Outage		\$82.92
06-Feb-21	Outage		\$70.44
07-Feb-21	Outage		\$79.43
08-Feb-21	Outage		\$97.95
09-Feb-21	Outage		\$100.35
10-Feb-21	Outage		\$90.73
11-Feb-21	Outage		\$90.44
12-Feb-21	Outage		\$93.04
13-Feb-21	Outage		\$79.46
14-Feb-21	Outage		\$72.77
15-Feb-21	Outage		\$70.38
16-Feb-21	Outage		\$74.27
17-Feb-21	Outage		\$91.36
18-Feb-21	Outage		\$99.55
19-Feb-21	Outage		\$88.07
20-Feb-21	Outage		\$62.12
21-Feb-21	Outage		\$60.88
22-Feb-21	Outage		\$69.33
23-Feb-21	Outage		\$50.95

Date	Outage Day	Partial Output Day (Derate)	ISO-NE Day Ahead Price @ NB External Node (USD\$/MWh)
24-Feb-21	Outage		\$29.63
25-Feb-21	Outage		\$27.21
26-Feb-21		Derate	\$31.66
27-Feb-21		Derate	\$30.64
28-Feb-21		Derate	\$31.64
01-Mar-21		Derate	\$37.12
<b>OUTAGE 2</b>			
17-Apr-21	Outage		\$29.71
18-Apr-21	Outage		\$30.11
19-Apr-21	Outage		\$27.18
20-Apr-21	Outage		\$23.27
21-Apr-21	Outage		\$23.68
22-Apr-21	Outage		\$22.90
23-Apr-21	Outage		\$19.36
24-Apr-21	Outage		\$13.68
25-Apr-21	Outage		\$24.83
26-Apr-21	Outage		\$17.84
27-Apr-21	Outage		\$21.25
28-Apr-21	Outage		\$26.09
29-Apr-21	Outage		\$28.92
30-Apr-21		Derate	\$23.63
<b>OUTAGE 3</b>			
05-Nov-21		Derate	\$64.49
06-Nov-21		Derate	\$56.46
07-Nov-21		Derate	\$60.93
08-Nov-21		Derate	\$55.04
09-Nov-21		Derate	\$53.33
10-Nov-21		Derate	\$51.64
11-Nov-21		Derate	\$46.02
12-Nov-21		Derate	\$46.42
13-Nov-21	Outage		\$44.11
14-Nov-21	Outage		\$45.06
15-Nov-21	Outage		\$50.97
16-Nov-21	Outage		\$45.76
17-Nov-21	Outage		\$52.74
18-Nov-21	Outage		\$44.30
19-Nov-21	Outage		\$45.64
20-Nov-21	Outage		\$53.13
21-Nov-21	Outage		\$47.08

Date	Outage Day	Partial Output Day (Derate)	ISO-NE Day Ahead Price @ NB External Node (USD\$/MWh)
22-Nov-21	Outage		\$48.05
23-Nov-21	Outage		\$65.87
24-Nov-21	Outage		\$54.99
25-Nov-21	Outage		\$50.42
26-Nov-21	Outage		\$67.04
27-Nov-21	Outage		\$56.54
28-Nov-21	Outage		\$73.76
29-Nov-21	Outage		\$103.06
30-Nov-21	Outage		\$86.55
01-Dec-21		Derate	\$91.11
02-Dec-21		Derate	\$66.23
03-Dec-21		Derate	\$54.59
04-Dec-21		Derate	\$64.43
05-Dec-21		Derate	\$55.59
06-Dec-21		Derate	\$46.67
07-Dec-21		Derate	\$51.75
08-Dec-21		Derate	\$112.79
09-Dec-21		Derate	\$89.94
10-Dec-21		Derate	\$61.09
11-Dec-21		Derate	\$38.07
12-Dec-21		Derate	\$31.31
13-Dec-21		Derate	\$34.64
14-Dec-21		Derate	\$36.38
15-Dec-21		Derate	\$39.70
16-Dec-21		Derate	\$35.12
17-Dec-21		Derate	\$35.23
18-Dec-21		Derate	\$86.99
19-Dec-21		Derate	\$128.88
20-Dec-21		Derate	\$137.97
21-Dec-21		Derate	\$82.77
22-Dec-21		Derate	\$82.52
23-Dec-21		Derate	\$101.85
24-Dec-21		Derate	\$67.75
25-Dec-21		Derate	\$64.45
26-Dec-21		Derate	\$52.62
27-Dec-21		Derate	\$80.52
28-Dec-21		Derate	\$63.25
29-Dec-21		Derate	\$50.91
30-Dec-21		Derate	\$43.92
31-Dec-21		Derate	\$38.86
01-Jan-22		Derate	\$33.71

Date	Outage Day	Partial Output Day (Derate)	ISO-NE Day Ahead Price @ NB External Node (USD\$/MWh)
02-Jan-22		Derate	\$38.90
03-Jan-22		Derate	\$75.17
04-Jan-22		Derate	\$91.68
05-Jan-22		Derate	\$91.26
06-Jan-22		Derate	\$91.34
07-Jan-22		Derate	\$138.93
08-Jan-22		Derate	\$142.59
09-Jan-22		Derate	\$133.45
10-Jan-22		Derate	\$138.90