

1 Q. (Evidence Introduction page 1.15, lines 1 to 3)

2 Please show how the RSP has reduced short-term volatility in rates. Provide a table  
3 showing for NP and each IC for each year the RSP has been in existence the base  
4 rate, the RSP rate adjustment, the total rate and the year-over-year change in the  
5 total rate. Show average rates in cents/kWh.

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9 A. The reference on row 1 above changes to "Evidence Introduction page 1.22, lines 3  
10 to 5" in Hydro's Amended Application.

11

12 Please see CA-NLH-010 Attachments 1 (Revision 1) and 2 (Revision 1), which shows  
13 the rates for each year since the RSP has been in existence, and illustrates the  
14 relative stability of rates with the RSP in place.

15

16 The response to NP-NLH-072 shows No. 6 fuel production costs over the 1993-2006  
17 period, and Regulated Activities evidence Schedule V provides the same  
18 information for 2007-2015. This data is reproduced below, and is illustrative of the  
19 relative volatility in customer rates that would have occurred had a fuel rider been  
20 in place instead of the RSP.

Year	No. 6 Fuel Production Cost (\$000)	Change from Prior Year (\$000)	Change from Prior Year (%)
1993	39,541	-	-
1994	20,167	(19,374)	-49%
1995	49,687	29,520	146%
1996	50,952	1,265	3%
1997	54,819	3,867	8%
1998	37,431	(17,388)	-32%
1999	28,970	(8,461)	-23%
2000	49,252	20,282	70%
2001	98,459	49,207	100%
2002	112,534	14,075	14%
2003	114,801	2,267	2%
2004	80,485	(34,316)	-30%
2005	80,305	(180)	0%
2006	63,180	(17,125)	-21%
2007	107,369	44,189	70%
2008	123,734	16,365	15%
2009	80,585	(43,149)	-35%
2010	100,674	20,089	25%
2011	135,136	34,462	34%
2012	164,001	28,865	21%
2013	171,786	7,785	5%
2014	255,841	84,055	49%
2015	244,913	(10,928)	-4%

**NEWFOUNDLAND AND LABRADOR HYDRO**  
**Historical Rate Changes**  
**Newfoundland Power Rates (Base Energy and RSP Write-off)**

Date	Component	¢/kWh		
		Previous	New	Increase / (Decrease)
Jul. 1, 1987	Base Rate	4.20	4.20	
	RSP Adjustment	<u>0.00</u>	<u>0.00</u>	
	Total Energy Rate	<u>4.20</u>	<u>4.20</u>	0.00
Jul. 1, 1988	Base Rate	4.20	4.20	
	RSP Adjustment	<u>0.00</u>	<u>0.04</u>	
	Total Energy Rate	<u>4.20</u>	<u>4.24</u>	0.04
Jul. 1, 1989	Base Rate	4.20	4.20	
	RSP Adjustment	<u>0.04</u>	<u>(0.31)</u>	
	Total Energy Rate	<u>4.24</u>	<u>3.88</u>	(0.35)
Jul. 1, 1990	Base Rate	4.20	4.53	
	RSP Adjustment	<u>(0.31)</u>	<u>(0.13)</u>	
	Total Energy Rate	<u>3.88</u>	<u>4.40</u>	0.52
Jul. 1, 1991	Base Rate	4.53	4.53	
	RSP Adjustment	<u>(0.13)</u>	<u>(0.06)</u>	
	Total Energy Rate	<u>4.40</u>	<u>4.47</u>	0.07
Jul. 1, 1992	Base Rate	4.53	4.53	
	RSP Adjustment	<u>(0.06)</u>	<u>(0.03)</u>	
	Total Energy Rate	<u>4.47</u>	<u>4.50</u>	0.02
Jul. 1, 1993	Base Rate	4.53	4.53	
	RSP Adjustment	<u>(0.03)</u>	<u>0.01</u>	
	Total Energy Rate	<u>4.50</u>	<u>4.54</u>	0.04
Jul. 1, 1994	Base Rate	4.53	4.53	
	RSP Adjustment	<u>0.01</u>	<u>0.03</u>	
	Total Energy Rate	<u>4.54</u>	<u>4.56</u>	0.03
Jul. 1, 1995	Base Rate	4.53	4.53	
	RSP Adjustment	<u>0.03</u>	<u>(0.05)</u>	
	Total Energy Rate	<u>4.56</u>	<u>4.49</u>	(0.08)
Jul. 1, 1996	Base Rate	4.53	4.53	
	RSP Adjustment	<u>(0.05)</u>	<u>0.06</u>	
	Total Energy Rate	<u>4.49</u>	<u>4.59</u>	0.10
Jul. 1, 1997	Base Rate	4.53	4.53	
	Flat Rate Reduction - 1997 9 months	<u>0.00</u>	<u>(0.03)</u>	
	Energy Rate Before RSP Adjustment	4.53	4.51	
	RSP Adjustment	<u>0.06</u>	<u>0.17</u>	
	Total Energy Rate	<u>4.59</u>	<u>4.67</u>	0.09
Jul. 1, 1998	Base Rate	4.53	4.53	

Date	Component	¢/kWh		
		Previous	New	Increase / (Decrease)
Jul. 1, 1999	Flat Rate Reduction - 1998 12 months	<u>(0.03)</u>	<u>(0.04)</u>	
	Energy Rate Before RSP Adjustment	4.51	4.50	
	RSP Adjustment	<u>0.17</u>	<u>0.21</u>	
	Total Energy Rate	<u>4.67</u>	<u>4.71</u>	0.04
	Base Rate	4.53	4.53	
Jul. 1, 2000	Flat Rate Reduction - 1999 12 months	<u>(0.04)</u>	<u>(0.04)</u>	
	Energy Rate Before RSP Adjustment	4.50	4.49	
	RSP Adjustment	<u>0.21</u>	<u>0.27</u>	
	Total Energy Rate	<u>4.71</u>	<u>4.76</u>	0.05
	Base Rate	4.53	4.53	
Jul. 1, 2001	Flat Rate Reduction - 2000 12 months	<u>(0.04)</u>	<u>(0.04)</u>	
	Energy Rate Before RSP Adjustment	4.49	4.50	
	RSP Adjustment	<u>0.27</u>	<u>0.18</u>	
	Total Energy Rate	<u>4.76</u>	<u>4.67</u>	(0.09)
	Base Rate	4.53	4.53	
Jul. 1, 2001	Flat Rate Reduction - 2001 12 & 13 months	<u>(0.04)</u>	<u>(0.04)</u>	
	Energy Rate Before RSP Adjustment	4.50	4.49	
	RSP Adjustment	<u>0.18</u>	<u>0.18</u>	
	Total Energy Rate	<u>4.67</u>	<u>4.67</u>	0.00
	Base Rate	4.53	4.53	
Sep. 1, 2002	Flat Rate Reduction - 2002 13 months	<u>(0.04)</u>	<u>0.00</u>	
	Energy Rate Before RSP Adjustment	4.49	4.79	
	RSP Adjustment	<u>0.18</u>	<u>0.18</u>	
	Total Energy Rate	<u>4.67</u>	<u>4.97</u>	0.29
	Base Rate	4.53	4.79	
Jul. 1, 2003	RSP Adjustment	<u>0.18</u>	<u>0.32</u>	
	Total Energy Rate	<u>4.97</u>	<u>5.11</u>	0.15
	Base Rate	4.79	4.79	
Jul. 1, 2004	RSP Adjustment	<u>0.32</u>	<u>0.69</u>	
	Total Energy Rate	<u>5.11</u>	<u>5.92</u>	0.81
	Base Rate	4.79	5.23	
Jan. 1, 2005 (1)	Base Rates:			
	First Block Energy Rate	5.23	3.59	
	End Block Energy Rate	N/A	4.70	
	Weighted Average Energy Rate	N/A	4.06	
	Total Energy Rate	<u>5.92</u>	<u>4.74</u>	N/A
Jul. 1, 2005	Base Rates:			
	First Block Energy Rate	3.59	3.59	
	End Block Energy Rate	4.70	4.70	
	Weighted Average Energy Rate	4.06	3.89	
	Total Energy Rate	<u>4.74</u>	<u>5.04</u>	0.29
Jan. 1, 2006 (2)	Base Rates:			
	First Block Energy Rate	3.59	3.17	
	End Block Energy Rate	4.70	4.70	
Weighted Average Energy Rate	3.89	3.79		

Date	Component	¢/kWh		
		Previous	New	Increase / (Decrease)
Jul. 1, 2006	RSP Adjustment	<u>1.15</u>	<u>1.15</u>	
	Total Energy Rate	<u>5.04</u>	<u>4.94</u>	(0.10)
Jul. 1, 2006	Base Rates:			
	First Block Energy Rate	3.17	3.17	
	End Block Energy Rate	4.70	4.70	
	Weighted Average Energy Rate	3.79	3.60	
	RSP Adjustment	<u>1.15</u>	<u>1.62</u>	
	Total Energy Rate	<u>4.94</u>	<u>5.22</u>	0.28
Jan. 1, 2007 (3)	Base Rates:			
	First Block Energy Rate	3.17	3.25	
	End Block Energy Rate	4.70	8.81	
	Weighted Average Energy Rate	3.60	5.81	
	RSP Adjustment	<u>1.62</u>	<u>0.43</u>	
	Total Energy Rate	<u>5.22</u>	<u>6.23</u>	1.02
Jul. 1, 2007	Base Rates:			
	First Block Energy Rate	3.25	3.25	
	End Block Energy Rate	8.81	8.81	
	Weighted Average Energy Rate	5.81	5.47	
	RSP Adjustment	<u>0.43</u>	<u>0.17</u>	
	Total Energy Rate	<u>6.23</u>	<u>5.64</u>	(0.59)
Jul. 1, 2008	Base Rates:			
	First Block Energy Rate	3.25	3.25	
	End Block Energy Rate	8.81	8.81	
	Weighted Average Energy Rate	5.47	5.45	
	RSP Adjustment	<u>0.17</u>	<u>0.75</u>	
	Total Energy Rate	<u>5.64</u>	<u>6.20</u>	0.56
Jul. 1, 2009	Base Rates:			
	First Block Energy Rate	3.25	3.25	
	End Block Energy Rate	8.81	8.81	
	Weighted Average Energy Rate	5.45	5.54	
	RSP Adjustment	<u>0.75</u>	<u>0.04</u>	
	Total Energy Rate	<u>6.20</u>	<u>5.59</u>	(0.61)
Jul. 1, 2010	Base Rates:			
	First Block Energy Rate	3.25	3.25	
	End Block Energy Rate	8.81	8.81	
	Weighted Average Energy Rate	5.54	5.56	
	RSP Adjustment	<u>0.04</u>	<u>0.22</u>	
	Total Energy Rate	<u>5.59</u>	<u>5.78</u>	0.20
Jul. 1, 2011	Base Rates:			
	First Block Energy Rate	3.25	3.25	
	End Block Energy Rate	8.81	8.81	
	Weighted Average Energy Rate	5.56	5.71	
	RSP Adjustment	<u>0.22</u>	<u>0.93</u>	
	Total Energy Rate	<u>5.78</u>	<u>6.64</u>	0.86
Jul. 1, 2012	Base Rates:			
	First Block Energy Rate	3.25	3.25	
	End Block Energy Rate	8.81	8.81	

Date	Component	¢/kWh		
		Previous	New	Increase / (Decrease)
	Weighted Average Energy Rate	5.71	5.74	
	RSP Adjustment	<u>0.93</u>	<u>1.56</u>	
	Total Energy Rate	<u>6.64</u>	<u>7.30</u>	0.65
Jul. 1, 2013 [ ]	Base Rates:			
	First Block Energy Rate	3.25	3.25	
	End Block Energy Rate	8.81	8.81	
	Weighted Average Energy Rate	5.74	5.98	
	RSP Adjustment	<u>1.56</u>	<u>0.53</u>	
	Total Energy Rate	<u>7.30</u>	<u>6.51</u>	(0.78)
Jul. 1, 2014 (4)	Base Rates:			
	First Block Energy Rate	3.25	3.25	
	End Block Energy Rate	8.81	8.81	
	Weighted Average Energy Rate	5.98	N/A	
	RSP Adjustment	<u>0.53</u>	<u>0.98</u>	
	Total Energy Rate	<u>6.51</u>	<u>N/A</u>	N/A

(1) Demand Rate was implemented as of January 1, 2005. Energy Rates are not comparable.

(2) Demand Rate increased; First Block Energy Rate decreased.

(3) Demand Rate decreased; First Block Energy Rate increased.

(4) The new Weighted Average Energy Rate is not available until the next rate change for comparison to the previous rate.

**NEWFOUNDLAND AND LABRADOR HYDRO**  
**Historical Rate Changes**  
**Island Industrial (Base Energy and RSP Write-off)**

Date	Component	¢/kWh		
		Previous	New	Increase / (Decrease)
Jan. 1, 1988	Base Rate	2.17	2.17	
	RSP Adjustment	<u>0.00</u>	<u>0.06</u>	
	Total Energy Rate	2.17	2.23	0.06
Jan. 1, 1989	Base Rate	2.17	2.17	
	RSP Adjustment	<u>0.06</u>	<u>0.09</u>	
	Total Energy Rate	2.23	2.26	0.03
Jan. 1, 1990	Base Rate	2.17	2.47	
	RSP Adjustment	<u>0.09</u>	<u>(0.05)</u>	
	Total Energy Rate	2.26	2.42	0.16
Jan. 1, 1991	Base Rate	2.47	2.54	
	RSP Adjustment	<u>(0.05)</u>	<u>0.02</u>	
	Total Energy Rate	2.42	2.56	0.14
Jan. 1, 1992	Base Rate	2.54	2.54	
	RSP Adjustment	<u>0.02</u>	<u>0.02</u>	
	Total Energy Rate	2.56	2.56	0.00
Jan. 1, 1993	Base Rate	2.54	2.28	
	RSP Adjustment	<u>0.02</u>	<u>0.05</u>	
	Total Energy Rate	2.56	2.33	(0.23)
Jan. 1, 1994	Base Rate	2.28	2.20	
	RSP Adjustment	<u>0.05</u>	<u>0.14</u>	
	Total Energy Rate	2.33	2.33	0.00
Jan. 1, 1995	Base Rate	2.20	2.20	
	RSP Adjustment	<u>0.14</u>	<u>0.07</u>	
	Total Energy Rate	2.33	2.27	(0.07)
Jan. 1, 1996	Base Rate	2.20	2.20	
	RSP Adjustment	<u>0.07</u>	<u>0.12</u>	
	Total Energy Rate	2.27	2.32	0.06
Jan. 1, 1997	Base Rate	2.20	2.20	
	RSP Adjustment	<u>0.12</u>	<u>0.21</u>	
	Total Energy Rate	2.32	2.40	0.08
Jan. 1, 1998	Base Rate	2.20	2.20	
	RSP Adjustment	<u>0.21</u>	<u>0.32</u>	
	Total Energy Rate	2.40	2.51	0.11
Apr. 1, 1998 (1)	Base Rate	2.20	2.17	
	RSP Adjustment	<u>0.32</u>	<u>0.32</u>	
	Total Energy Rate	2.51	2.48	(0.03)
Jan. 1, 1999	Base Rate	2.17	2.17	
	RSP Adjustment	<u>0.32</u>	<u>0.49</u>	
	Total Energy Rate	2.48	2.65	0.17

Date	Component	¢/kWh		
		Previous	New	Increase / (Decrease)
Jan. 1, 2000	Base Rate	2.17	1.93	
	RSP Adjustment	<u>0.49</u>	<u>0.35</u>	
	Total Energy Rate	2.65	2.28	(0.37)
Jan. 1, 2001	Base Rate	1.93	1.93	
	RSP Adjustment	<u>0.35</u>	<u>0.28</u>	
	Total Energy Rate	2.28	2.21	(0.07)
Jan. 1, 2002	Base Rate	1.93	1.93	
	RSP Adjustment	<u>0.28</u>	<u>0.51</u>	
	Total Energy Rate	2.21	2.45	0.23
Sep. 1, 2002 (2)	Base Rate	1.93	2.39	
	RSP Adjustment	<u>0.51</u>	<u>0.28</u>	
	Total Energy Rate	2.45	2.67	0.22
Jan. 1, 2003	Base Rate	2.39	2.39	
	RSP Adjustment	<u>0.28</u>	<u>0.42</u>	
	Total Energy Rate	2.67	2.81	0.14
Jan. 1, 2004	Base Rate	2.39	2.39	
	RSP Adjustment	<u>0.42</u>	<u>0.79</u>	
	Total Energy Rate	2.81	3.18	0.36
Jul. 1, 2004 (3)	Base Rate	2.39	2.68	
	RSP Adjustment	<u>0.79</u>	<u>0.79</u>	
	Total Energy Rate	3.18	3.46	0.29
Jan. 1, 2005	Base Rate	2.68	2.68	
	RSP Adjustment	<u>0.79</u>	<u>1.22</u>	
	Total Energy Rate	3.46	3.89	0.43
Jan. 1, 2006	Base Rate	2.68	2.68	
	RSP Adjustment	<u>1.22</u>	<u>1.55</u>	
	Total Energy Rate	3.89	4.22	0.33
Oct. 1, 2006	Base Rate	2.68	2.68	
	RSP Adjustment	<u>1.55</u>	<u>1.22</u>	
	Total Energy Rate	4.22	3.90	(0.32)
Jan. 1, 2007 (4)	Base Rate	2.68	3.68	
	RSP Adjustment	<u>1.22</u>	<u>(0.79)</u>	
	Total Energy Rate	3.90	2.89	(1.01)
Jan. 1, 2007 - Aur Resources Only (5)	Base Rate	N/A	3.68	
	RSP Adjustment	<u>N/A</u>	<u>(2.00)</u>	
	Total Energy Rate	0.00	1.68	N/A
Jan. 1, 2008	Base Rate	3.68	3.68	
	RSP Adjustment	<u>(0.79)</u>	<u>(0.79)</u>	
	Total Energy Rate	2.89	2.89	0.00
Jan. 1, 2008 - Aur Resources Only	Base Rate	3.68	3.68	
	RSP Adjustment	<u>(2.00)</u>	<u>(2.00)</u>	
	Total Energy Rate	1.68	1.68	0.00
Jul. 1, 2008	Base Rate	3.68	3.68	



Date	Component	¢/kWh		
		Previous	New	Increase / (Decrease)
Jul. 1, 2008 - Aur Resources Only	RSP Adjustment	<u>(0.79)</u>	<u>(0.79)</u>	
	Total Energy Rate	2.89	2.89	0.00
	Base Rate	3.68	3.68	
Jan. 1, 2009	RSP Adjustment	<u>(2.00)</u>	<u>(2.00)</u>	
	Total Energy Rate	1.68	1.68	0.00
	Base Rate	3.68	3.68	
Jan. 1, 2009 - Aur Resources Only	RSP Adjustment	<u>(0.79)</u>	<u>(0.79)</u>	
	Total Energy Rate	2.89	2.89	0.00
	Base Rate	3.68	3.68	
Jul. 1, 2012	RSP Adjustment	<u>(2.00)</u>	<u>(2.00)</u>	0.00
	Total Energy Rate	1.68	1.68	
	Base Rate	3.68	3.68	
Jul. 1, 2012 - Aur Resources and Vale (6)	RSP Adjustment	<u>(0.79)</u>	<u>(0.79)</u>	
	Total Energy Rate	2.89	2.89	0.00
	Base Rate	3.68	3.68	
Jun. 1, 2013	RSP Adjustment	<u>(2.00)</u>	<u>(2.00)</u>	
	Total Energy Rate	1.68	1.68	0.00
	Base Rate	3.68	3.68	
Jun. 1, 2013 - Aur Resources, Vale and Praxair (7)	RSP Adjustment	<u>(0.79)</u>	<u>(0.79)</u>	
	Total Energy Rate	2.89	2.89	0.00
	Base Rate	3.68	3.68	
Sep. 1, 2013 (8)	RSP Adjustment	<u>(2.00)</u>	<u>(2.00)</u>	
	Total Energy Rate	1.68	1.68	0.00
	Base Rate	3.68	3.68	
Sep. 1, 2013 - Aur Resources only (8)	RSP Adjustment	<u>(0.79)</u>	<u>0.00</u>	
	Total Energy Rate	2.89	3.68	0.79
	Base Rate	3.68	3.68	
	RSP Adjustment	<u>(2.00)</u>	<u>(1.11)</u>	
	Total Energy Rate	1.68	2.57	0.89
	Base Rate	3.68	3.68	

(1) On April 1, 1998 HST was implemented causing an adjustment to the base rate.

(2) On September 1, 2002 the Board approved rates following Hydro's GRA.

(3) On July 1, 2004 the Board approved rates following Hydro's GRA. The RSP included a fuel rider effective January 1, 2005.

(4) On January 1, 2007 the Board approved rates for Hydro's GRA.

(5) Aur Resources (now Teck) became a customer on January 1, 2006 and was not charged for the Historical portion of the RSP.

(6) New customer Vale Newfoundland and Labrador Limited was not charged for the Historical portion of the RSP.

(7) New customer Praxair will not immediately be charged for the Historical portion of the RSP.