

1 Q. **Reference: Application**

2 With respect to Hydro’s distribution business, excluding isolated systems:

3 a) Please provide a table showing for the past 15 years Hydro’s total revenue requirement  
4 broken down by generation, transmission and distribution (excluding isolated systems).

5 Please provide this information for the Island and Labrador interconnected systems  
6 separately and combined.

7 b) Please provide a table showing frequency and average duration of customer outages owing  
8 to outages on each of the generation, transmission and distribution systems (excluding  
9 isolated systems) for the past 15 years. Please provide this information for the Island and  
10 Labrador interconnected systems separately and combined.

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13 A. a) Please refer to CA-NLH-020, Attachment 1 for the functional classification of revenue  
14 requirement for the Island and Labrador Interconnected Systems separately and combined.

15 b) Newfoundland and Labrador Hydro (“Hydro”) gathers the outage data and conducts analysis  
16 related to this request using Electricity Canada Service Continuity Index guidelines. As such,  
17 distribution customer outages due to generation or transmission systems are recorded  
18 under the common classification of Loss of Supply. Please refer to CA-NLH-020, Attachment  
19 2 for the requested information for all distribution business outages, excluding outages to  
20 isolated systems.

Newfoundland and Labrador Hydro  
 Functional Classification of Revenue Requirement  
 Island Interconnected System (Rural)  
 (\$000)

Year	Generation	Transmission	Distribution	Customer Accounting	Revenue Related	Total
2007	20,202	12,733	18,808	2,899	949	<b>55,591</b>
2008	20,202	12,733	18,808	2,899	949	<b>55,591</b>
2009	20,202	12,733	18,808	2,899	949	<b>55,591</b>
2010	20,202	12,733	18,808	2,899	949	<b>55,591</b>
2011	20,202	12,733	18,808	2,899	949	<b>55,591</b>
2012	20,202	12,733	18,808	2,899	949	<b>55,591</b>
2013	20,202	12,733	18,808	2,899	949	<b>55,591</b>
2014	34,137	14,509	24,780	2,714	1,299	<b>77,439</b>
2015	25,132	13,771	26,520	3,033	1,420	<b>69,876</b>
2016	25,414	13,733	26,484	3,059	1,420	<b>70,110</b>
2017	26,913	13,665	26,374	3,057	1,420	<b>71,429</b>
2018	25,674	12,135	26,187	3,190	1,402	<b>68,588</b>
2019	29,456	12,251	26,633	3,291	1,402	<b>73,033</b>
2020	29,456	12,251	26,633	3,291	1,402	<b>73,033</b>
2021	29,456	12,251	26,633	3,291	1,402	<b>73,033</b>

**Newfoundland and Labrador Hydro  
 Functional Classification of Revenue Requirement  
 Labrador Interconnected System (Rural)  
 (\$000)**

<b>Year</b>	<b>Generation</b>	<b>Transmission</b>	<b>Distribution</b>	<b>Customer Accounting</b>	<b>Revenue Related</b>	<b>Total</b>
2007	3,276	1,679	4,622	1,260	315	<b>11,152</b>
2008	3,276	1,679	4,622	1,260	315	<b>11,152</b>
2009	3,276	1,679	4,622	1,260	315	<b>11,152</b>
2010	3,276	1,679	4,622	1,260	315	<b>11,152</b>
2011	3,276	1,679	4,622	1,260	315	<b>11,152</b>
2012	3,276	1,679	4,622	1,260	315	<b>11,152</b>
2013	3,276	1,679	4,622	1,260	315	<b>11,152</b>
2014	3,008	1,004	10,981	1,574	459	<b>17,026</b>
2015	2,624	2,149	10,603	1,651	501	<b>17,528</b>
2016	2,624	2,238	10,623	1,664	501	<b>17,650</b>
2017	2,621	2,233	10,568	1,664	501	<b>17,587</b>
2018	2,582	2,485	10,041	1,809	540	<b>17,457</b>
2019	2,607	2,715	10,378	1,882	540	<b>18,122</b>
2020	2,607	2,715	10,378	1,882	540	<b>18,122</b>
2021	2,607	2,715	10,378	1,882	540	<b>18,122</b>

**Newfoundland and Labrador Hydro**  
**Functional Classification of Revenue Requirement**  
**Island and Labrador Interconnected Systems (Rural)**  
**(\$000)**

<b>Year</b>	<b>Generation</b>	<b>Transmission</b>	<b>Distribution</b>	<b>Customer Accounting</b>	<b>Revenue Related</b>	<b>Total</b>
2007	23,478	14,412	23,430	4,159	1,264	<b>66,743</b>
2008	23,478	14,412	23,430	4,159	1,264	<b>66,743</b>
2009	23,478	14,412	23,430	4,159	1,264	<b>66,743</b>
2010	23,478	14,412	23,430	4,159	1,264	<b>66,743</b>
2011	23,478	14,412	23,430	4,159	1,264	<b>66,743</b>
2012	23,478	14,412	23,430	4,159	1,264	<b>66,743</b>
2013	23,478	14,412	23,430	4,159	1,264	<b>66,743</b>
2014	37,145	15,513	35,761	4,288	1,758	<b>94,465</b>
2015	27,756	15,920	37,123	4,684	1,921	<b>87,404</b>
2016	28,038	15,971	37,107	4,723	1,921	<b>87,760</b>
2017	29,534	15,898	36,942	4,721	1,921	<b>89,016</b>
2018	28,256	14,620	36,228	4,999	1,942	<b>86,045</b>
2019	32,063	14,966	37,011	5,173	1,942	<b>91,155</b>
2020	32,063	14,966	37,011	5,173	1,942	<b>91,155</b>
2021	32,063	14,966	37,011	5,173	1,942	<b>91,155</b>

Newfoundland and Labrador Hydro  
 Distribution Statistics For All Systems, Excluding Isolated Systems

Year	NLH Total		Loss of Supply		Distribution		Island		Island Loss of Supply		Island Distribution		Labrador		Labrador Loss of Supply		Labrador Distribution	
	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI	SAIDI
2007	5.28	7.66	3.02	2.72	2.26	4.94	2.44	4.75	1.23	1.26	1.21	3.49	2.83	2.91	1.79	1.46	1.04	1.45
2008	5.24	9.55	2.86	3.48	2.38	6.07	3.51	8.35	1.89	3.40	1.62	4.95	1.73	1.20	0.96	0.08	0.77	1.12
2009	3.70	9.89	1.94	5.04	1.76	4.85	1.79	3.33	0.59	0.59	1.21	2.75	1.91	6.55	1.35	4.45	0.56	2.10
2010	2.72	5.56	0.58	1.53	2.14	4.03	1.57	3.86	0.45	1.16	1.12	2.71	1.15	1.70	0.13	0.38	1.03	1.32
2011	4.97	16.23	2.61	6.61	2.36	9.62	2.75	13.16	1.14	4.61	1.61	8.55	2.21	3.07	1.47	2.00	0.75	1.07
2012	3.53	7.19	1.43	1.71	2.11	5.49	2.01	4.63	0.70	1.01	1.31	3.62	1.52	2.56	0.72	0.70	0.80	1.86
2013	5.17	18.41	1.33	4.45	3.84	13.96	2.70	10.36	0.90	2.58	1.80	7.78	2.47	8.05	0.43	1.87	2.04	6.18
2014	5.60	16.90	2.37	4.82	3.23	12.08	2.79	8.23	1.08	3.52	1.71	4.71	2.81	8.67	1.29	1.30	1.52	7.37
2015	6.14	16.70	2.93	9.55	3.21	7.15	3.06	7.81	1.35	4.57	1.70	3.24	3.08	8.89	1.57	4.98	1.51	3.91
2016	5.97	14.95	4.23	11.42	1.75	3.53	4.41	11.63	3.13	8.68	1.28	2.95	1.57	3.32	1.10	2.74	0.47	0.58
2017	5.10	19.20	2.80	12.92	2.29	6.28	2.19	10.72	0.86	5.36	1.33	5.36	2.90	8.47	1.94	7.56	0.96	0.92
2018	7.01	23.35	4.33	15.27	2.69	8.08	3.46	14.02	1.57	7.46	1.89	6.56	3.55	9.33	2.75	7.81	0.80	1.52
2019	4.71	14.53	2.77	9.65	1.94	4.87	3.01	8.55	1.58	4.69	1.43	3.86	1.70	5.97	1.19	4.96	0.51	1.01
2020	3.90	17.33	2.15	10.89	1.75	6.44	2.69	12.03	1.45	7.85	1.25	4.19	1.21	5.30	0.70	3.04	0.50	2.26
2021	5.56	20.51	2.38	11.00	3.19	9.52	2.95	7.66	1.11	2.67	1.85	4.99	2.61	12.86	1.27	8.33	1.34	4.53