

- 1 **Q. Pages 6-7, Feeder Additions for Load Growth Project. On page 7,**
2 **Newfoundland Power indicates that a net-present value analysis was**
3 **conducted considering Newfoundland and Labrador Hydro's additional costs.**
4 **The results of this analysis are provided in Table 3 on Page 8 of 1.1 Feeder**
5 **Additions for Load Growth. Please provide the net-present value analysis for**
6 **the two alternatives for this project, including any associated calculations.**
7
8 **A. See Attachment A.**



ATTACHMENT A:

Detailed Present Value Analysis of Feeder Additions for Load Growth Project

Table 1 provides the Present Value Analysis of Alternative 1: Upgrade Single-Phase Section to Three-Phase, from 2026 to 2079.

Table 1 Present Value Analysis of Alternative 1					
Year	Distribution 52.9 yrs 8% CCA	Capital Revenue Requirement	Net Benefit	Present Value Benefit	Cumulative Present Value Benefit
2026	1,195,568	113,413	-113,413	-113,413	-113,413
2027	2,319,145	345,004	-345,004	-323,371	-436,784
2028	0	363,597	-363,597	-319,427	-756,211
2029	0	352,312	-352,312	-290,106	-1,046,317
2030	0	341,511	-341,511	-263,579	-1,309,895
2031	0	331,156	-331,156	-239,560	-1,549,455
2032	0	321,210	-321,210	-217,795	-1,767,250
2033	0	311,642	-311,642	-198,057	-1,965,307
2034	0	302,420	-302,420	-180,145	-2,145,451
2035	0	293,518	-293,518	-163,878	-2,309,329
2036	0	284,909	-284,909	-149,097	-2,458,426
2037	0	276,570	-276,570	-135,657	-2,594,084
2038	0	268,479	-268,479	-123,431	-2,717,515
2039	0	260,617	-260,617	-112,304	-2,829,819
2040	0	252,965	-252,965	-102,171	-2,931,990
2041	0	245,507	-245,507	-92,941	-3,024,931
2042	0	238,227	-238,227	-84,530	-3,109,461
2043	0	231,110	-231,110	-76,863	-3,186,324
2044	0	224,144	-224,144	-69,872	-3,256,196
2045	0	217,317	-217,317	-63,496	-3,319,691
2046	0	210,618	-210,618	-57,679	-3,377,371
2047	0	204,035	-204,035	-52,373	-3,429,744
2048	0	197,561	-197,561	-47,531	-3,477,275
2049	0	191,185	-191,185	-43,113	-3,520,388
2050	0	184,902	-184,902	-39,082	-3,559,470
2051	0	178,702	-178,702	-35,403	-3,594,872
2052	0	172,579	-172,579	-32,046	-3,626,918
2053	0	166,528	-166,528	-28,983	-3,655,901
2054	0	160,542	-160,542	-26,189	-3,682,091
2055	0	154,616	-154,616	-23,641	-3,705,732
2056	0	148,746	-148,746	-21,317	-3,727,049
2057	0	142,927	-142,927	-19,199	-3,746,248
2058	0	137,154	-137,154	-17,268	-3,763,516
2059	0	131,425	-131,425	-15,509	-3,779,026
2060	0	125,735	-125,735	-13,908	-3,792,933
2061	0	120,082	-120,082	-12,449	-3,805,383
2062	0	114,462	-114,462	-11,123	-3,816,505
2063	0	108,874	-108,874	-9,916	-3,826,422
2064	0	103,313	-103,313	-8,820	-3,835,241
2065	0	97,779	-97,779	-7,824	-3,843,065
2066	0	92,269	-92,269	-6,920	-3,849,985
2067	0	86,781	-86,781	-6,100	-3,856,086
2068	0	81,314	-81,314	-5,358	-3,861,443
2069	0	75,865	-75,865	-4,685	-3,866,128
2070	0	70,434	-70,434	-4,077	-3,870,205
2071	0	65,018	-65,018	-3,527	-3,873,733
2072	0	59,617	-59,617	-3,032	-3,876,764
2073	0	54,229	-54,229	-2,585	-3,879,349
2074	0	48,854	-48,854	-2,183	-3,881,532
2075	0	43,490	-43,490	-1,821	-3,883,353
2076	0	38,136	-38,136	-1,497	-3,884,849
2077	0	32,792	-32,792	-1,206	-3,886,056
2078	0	121,097	-121,097	-4,175	-3,890,231
2079	0	197,439	-197,439	-6,381	-3,896,612

Table 2 provides the Present Value Analysis of Alternative 2: Load Transfer to Hydro's WDL-L1, from 2026 to 2079.

Table 2 Present Value Analysis of Alternative 2					
Year	Distribution 52.9 yrs 8% CCA	Capital Revenue Requirement	Net Benefit	Present Value Benefit	Cumulative Present Value Benefit
2026	659,000	62,514	-62,514	-62,514	-62,514
2027	1,839,457	243,397	-243,397	-228,135	-290,649
2028	0	259,087	-259,087	-227,614	-518,263
2029	0	251,038	-251,038	-206,713	-724,976
2030	0	243,336	-243,336	-187,807	-912,783
2031	0	235,952	-235,952	-170,689	-1,083,471
2032	0	228,861	-228,861	-155,178	-1,238,649
2033	0	222,040	-222,040	-141,112	-1,379,761
2034	0	215,467	-215,467	-128,348	-1,508,109
2035	0	209,122	-209,122	-116,758	-1,624,867
2036	0	202,987	-202,987	-106,226	-1,731,093
2037	0	197,045	-197,045	-96,651	-1,827,743
2038	0	191,281	-191,281	-87,940	-1,915,684
2039	0	185,681	-185,681	-80,013	-1,995,696
2040	0	180,230	-180,230	-72,794	-2,068,490
2041	0	174,919	-174,919	-66,219	-2,134,709
2042	0	169,734	-169,734	-60,227	-2,194,936
2043	0	164,667	-164,667	-54,765	-2,249,701
2044	0	159,708	-159,708	-49,785	-2,299,486
2045	0	154,847	-154,847	-45,243	-2,344,729
2046	0	150,078	-150,078	-41,100	-2,385,829
2047	0	145,393	-145,393	-37,320	-2,423,150
2048	0	140,785	-140,785	-33,872	-2,457,021
2049	0	136,248	-136,248	-30,725	-2,487,746
2050	0	131,777	-131,777	-27,853	-2,515,599
2051	0	127,365	-127,365	-25,232	-2,540,831
2052	0	123,009	-123,009	-22,841	-2,563,672
2053	0	118,704	-118,704	-20,660	-2,584,332
2054	0	114,445	-114,445	-18,670	-2,603,002
2055	0	110,230	-110,230	-16,854	-2,619,856
2056	0	106,054	-106,054	-15,199	-2,635,055
2057	0	101,915	-101,915	-13,690	-2,648,745
2058	0	97,809	-97,809	-12,315	-2,661,060
2059	0	93,734	-93,734	-11,061	-2,672,121
2060	0	89,687	-89,687	-9,920	-2,682,041
2061	0	85,667	-85,667	-8,881	-2,690,923
2062	0	81,670	-81,670	-7,936	-2,698,859
2063	0	77,696	-77,696	-7,077	-2,705,935
2064	0	73,742	-73,742	-6,295	-2,712,231
2065	0	69,807	-69,807	-5,586	-2,717,816
2066	0	65,889	-65,889	-4,942	-2,722,758
2067	0	61,986	-61,986	-4,357	-2,727,115
2068	0	58,099	-58,099	-3,828	-2,730,943
2069	0	54,224	-54,224	-3,349	-2,734,292
2070	0	50,363	-50,363	-2,915	-2,737,207
2071	0	46,512	-46,512	-2,523	-2,739,731
2072	0	42,672	-42,672	-2,170	-2,741,901
2073	0	38,841	-38,841	-1,851	-2,743,752
2074	0	35,019	-35,019	-1,564	-2,745,316
2075	0	31,206	-31,206	-1,307	-2,746,623
2076	0	27,400	-27,400	-1,075	-2,747,698
2077	0	23,600	-23,600	-868	-2,748,567
2078	0	21,422	-21,422	-743	-2,750,010
2079	0	156,601	-156,601	-5,061	-2,755,071