

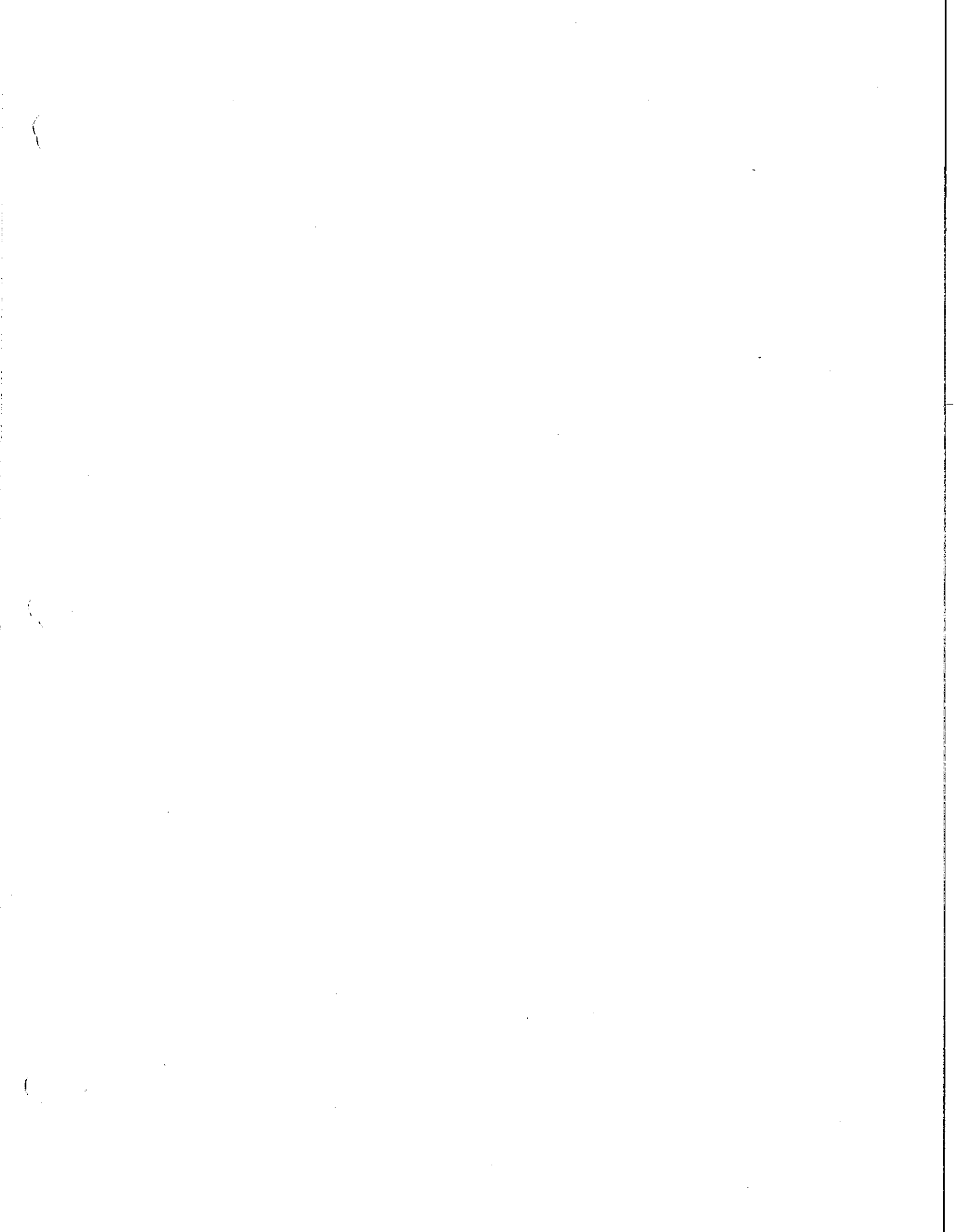
Manitoba Hydro 2012/13 & 2013/14 General Rate Application

Supporting Materials

CAC Manitoba

December 18, 2012

Public Interest Law Centre
of Legal Aid Manitoba
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Appendix 5.7
Electric Depreciation Rates

A summary of the depreciation rates effective April 1, 2007 as compared to the depreciation rates effective April 1, 2011 and April 1, 2013 may be found in the tables on page 5-10, followed by a letter from Gannett Fleming, Inc. containing the depreciation rates to be used under GAAP, and by the full IFRS compliant Depreciation Study.

The following table provides a summary of the estimated changes to depreciation expense for electric operations for the 3 year period between 2012 and 2014:

	<u>Depreciation Expense (\$ 000's)</u>		
	<u>2012</u>	<u>2013</u>	<u>2014</u>
Change in service life - PP&E (net of contributions)	(35,433)	(38,429)	(40,663)
Change in Methodology (ELG)			32,307
Removal of Asset Retirement Costs from Depreciation			(55,574)
Net Impact	<u>(35,433)</u>	<u>(38,429)</u>	<u>(63,930)</u>

The significant changes in the depreciation study are discussed in the sections below.

Componentization & Change in Service Lives

In preparation for conversion to IFRS, Manitoba Hydro undertook a comprehensive review of existing depreciable component groupings, to determine whether IFRS requirements were met. IFRS is more rigorous than GAAP in terms of identifying separate components. As a result of this review, Manitoba Hydro determined that further componentization was required, primarily for generation and distribution assets. With the assistance of its depreciation consultant, Manitoba Hydro has established new component groupings consistent with the requirements of IFRS, and has completed a depreciation study based on these new component groupings.

Normally a depreciation study process is routine and involves updating the retirement experience of existing asset classes and reviewing operational factors to assess what new considerations are warranted. However, because of the new component groupings required under IFRS, an extensive effort involving accounting and operational personnel was required to research historical records and to assess operational factors of all new, existing and modified component groupings in order to establish account balances and to estimate service lives.

In addition, subject matter experts from the operational areas were able to provide information that has been developed through enhanced asset condition assessment processes that was not available in the 2005 depreciation study. This has resulted in less

Appendix 5.7
Electric Depreciation Rates

reliance on statistical developed asset lives and more reliance on the enhanced operational information. This is particularly the case with respect to distribution plant where the increased reliance on operational information has significantly extended the service lives and resulted in the majority of the reduction in depreciation expense. For example, the extension in estimated service lives for Poles and Fixtures from 33 to 55 years is due, in part, to the introduction of bar-coding and the ability to specifically track the service lives of individual poles. Further, enhancements in the use of pole preservatives and other technologies in recent years have resulted in extended service lives for these and other plant assets.

The estimated impact of these changes for Manitoba Hydro electric operations is a decrease to depreciation expense (net of contributions) of \$35.4 million in 2011/12, \$38.4 million in 2012/13 and \$40.7 million in 2013/14.

Change in methodology to Equal Life Group

There are two main methods used by utilities for calculating group depreciation -- the Average Service Life (ASL) procedure and the Equal Life Group (ELG) procedure.

An IFRS requirement is that any gains and losses on the disposal/retirement of an asset must be recognized immediately in income. This is different than the current North American regulatory practice of recording gains and losses in accumulated depreciation and this has resulted in the need to change the depreciation methodology to better match the recording of depreciation with the actual service life of the underlying assets.

The ASL procedure, which has been used by Manitoba Hydro in the past, calculates depreciation expense based upon the average life of all assets within each class. Although accepted for utility accounting under current Canadian accounting standards, this method is viewed as problematic from an IFRS perspective because, except for those assets which have a life exactly equal to the average service life of that group, assets are being depreciated over a longer or shorter timeframe than their expected service life.

The ELG procedure addresses this issue by developing depreciation rates with specific consideration of the expected retirement pattern for each asset within each class. Every asset in the class is depreciated over its own expected service life and therefore is expected to be fully depreciated (not over or under depreciated) when it is removed from service. The resulting depreciation expense calculations are in full compliance with IFRS and minimize retirement gains or losses that must be recognized in current income.

requirements and implementation of IFRS are generally aligned with the appropriate and reasonable depreciation practices and procedures commonly used for regulatory purposes.

In the view of Gannett Fleming, the use of an Iowa curve in the estimation of average service life and retirement expectations of a group of homogenous assets meets the requirements of IAS 16. However, the account structure of the utility must be analyzed to ensure that the assets included in each group are like in nature and service of the asset to the utility is similar. In this manner, it can be expected that any one of the assets in the group are equally likely to be subjected to any of the forces of retirement to which the group of assets are subjected.

In order to better meet the componentization requirements as discussed above, and to continue to use group accounting and depreciation practices, the company reviewed the type of physical assets included in all plant accounts. As a result of this review, Manitoba Hydro has developed a significant number of new accounts, particularly with regard to electric generation plant. Also as part of this development of new accounts, the company has recreated a database of aged plant accounting retirements and balances. Gannett Fleming used this database to perform a detailed retirement rate analysis as described previously in the report. In a limited number of accounts, Manitoba Hydro was not able to develop aged retirement balances. In these circumstances, Gannett Fleming statistically aged the unaged transactions in order that the retirement rate analysis could be completed for all accounts.

Survivor Curve Judgments. The survivor curve estimates were based on judgment which considered a number of factors. The primary factors were the statistical

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provides a consistent method of estimating depreciation for electric plant. Iowa type survivor curves were used to depict the estimated survivor curves.

The estimates of net salvage were based on judgment which incorporated analyses of available historical data, a review of policies and outlook with management, a general knowledge of the electric utility industry, and comparisons of the salvage estimates from studies of other electric utilities. The estimates of net salvage are expressed as the average net salvage percent of the investment to be incurred or recovered upon its retirement.

RECOMMENDATIONS

The calculated annual depreciation accrual rates set forth herein apply specifically to electric plant in service as of March 31, 2005. Continued surveillance and periodic revisions are required to maintain use of appropriate depreciation rates. The survivor curves, amortization periods and net salvage percents determined in this study should be the basis for annual recalculations of the accrual rates. Complete depreciation studies, which re-evaluate these parameters, should be performed every three to five years.

RECOMMENDATIONS

The calculated annual depreciation accrual rates set forth herein apply specifically to plant in service as of March 31, 2010. Continued surveillance and periodic revisions are normally required to maintain continued use of appropriate depreciation rates, and to comply with the standards as set out in International Accounting Standard ("IAS") 16 of IFRS.

The depreciation rates should be reviewed periodically to reflect the changes that result from plant and reserve account activity. A depreciation reserve deficiency or surplus will develop if future capital expenditures vary significantly from those anticipated in this study.

SCHEDULE 2. CALCULATED ACCRUED DEPRECIATION, BOOK ACCUMULATED DEPRECIATION AND DETERMINATION OF ANNUAL PROVISION FOR TRUE-UP FOR THE TWELVE MONTHS ENDED MARCH 31, 2010

ACCOUNT	DESCRIPTION (1)	SURVIVING ORIGINAL COST AS OF MARCH 31, 2010 (2)	CALCULATED ACCRUED DEPRECIATION (3)	BOOK ACCUMULATED DEPRECIATION (4)	ACCUMULATED DEPRECIATION AMOUNT (5) = (3)-(4)	ACCUMULATED DEPRECIATION VARIANCE (6) = (5)/(7)	PERCENT (8) = (5)/(3)	PROBABLE REMAINING LIFE (7)	ANNUAL PROVISION FOR TRUE-UP (9) = (5)/(7)
5000B	COMMUNICATION	4,154,458	699,804	574,811	124,993	17.86	12.92	50.9	2,456
5000C	BUILDINGS	2,741,652	887,750	773,028	114,722	12.92	18.01	12.7	9,033
5000D	BUILDING RENOVATIONS	13,967,686	2,970,157	2,435,337	534,820	49.9	27.51	40.4	10,718
5000G	BUILDING - SYSTEM CONTROL CENTRE	8,733,929	1,827,718	1,324,984	502,734	40.92	30.83	22.0	12,444
5000H	COMMUNICATION TOWERS	117,999,925	25,692,882	15,180,344	10,512,538	40.92	18.14	7.4	477,843
5000J	FIBRE OPTIC AND METALLIC CABLE	119,230,804	53,498,641	37,005,633	16,493,008	30.83	12.92	2.5	2,226,785
5000K	CARRIER EQUIPMENT	2,191,496	1,401,781	1,220,632	181,149	12.92	12.92	5.1	72,460
5000M	OPERATIONAL IT EQUIPMENT	22,085,412	15,627,104	13,607,649	2,019,455	12.92	12.92	5.4	395,972
5000N	MOBILE RADIO, TELEPHONE AND VIDEO CONFERENCING	8,530,284	2,447,746	2,131,429	316,317	12.92	12.92	5.4	58,577
5000R	OPERATIONAL DATA NETWORK	7,739,280	5,228,135	4,181,570	1,046,565	13.90	13.90	4.1	253,796
	POWER SYSTEM CONTROL								
	TOTAL COMMUNICATION	309,269,905	110,281,718	78,441,398	31,840,320	28.87			3,522,083
6000E	MOTOR VEHICLES	1,304,413	524,561	279,987	245,574	46.82	3.33	4.0	61,394
6000F	PASSENGER VEHICLES	52,298,249	23,436,917	22,656,047	780,870	4.7	15.06	7.4	1,693,143
6000G	LIGHT TRUCKS	61,004,014	25,444,402	21,812,533	3,631,869	15.06	16.40	7.5	517,820
6000H	HEAVY TRUCKS	17,016,205	6,026,089	5,037,993	988,096	16.40	32.21	11.5	131,746
6000I	CONSTRUCTION EQUIPMENT	13,146,265	4,170,185	2,827,041	1,343,144	14.88	14.88	23.7	116,795
6000J	LARGE SOFT-TRACK EQUIPMENT	15,996,331	3,513,147	4,034,578	(521,431)	(14.88)			(22,001)
6000K	TRAILERS	5,724,654	2,591,307	2,945,366	(414,059)	(16.35)		5.1	(81,189)
	MISCELLANEOUS VEHICLES								
	TOTAL MOTOR VEHICLES	166,491,131	65,646,608	59,392,546	6,254,062	9.53			890,708
8000B	BUILDINGS	88,797,107	25,336,746	26,367,552	(1,030,806)	(4.07)	53.26	44.7	(23,091)
8000C	BUILDINGS - GENERAL	46,779,609	17,543,869	8,199,948	9,343,920	53.26	(5.19)	11.1	841,795
8000D	BUILDING RENOVATIONS	207,292,785	3,134,499	3,297,099	(162,600)	(1.75)	26.78	92.8	(1,752)
8000E	BUILDING - 360 PORTAGE - ELECTROMECHANICAL	65,988,981	2,864,820	2,097,639	767,181	26.78		31.2	24,599
	TOTAL BUILDINGS	408,757,981	48,879,934	39,962,233	8,917,701	18.24			841,572
9000H	GENERAL EQUIPMENT	78,461,837	32,286,768	25,609,471	6,687,297	20.63	7.9	7.9	842,696
9000K	TOOLS, SHOP AND GARAGE EQUIPMENT	46,379,758	21,246,665	10,308,698	10,937,967	51.48	16.6	2.5	4,375,187
9000L	COMPUTER EQUIPMENT	21,726,896	4,008,883	4,688,826	(680,943)	(16.99)		16.6	(41,021)
9000M	OFFICE FURNITURE AND EQUIPMENT	4,511,783	3,821,910	2,226,719	1,595,191	41.74		2.1	759,815
	HOT WATER TANKS								
	TOTAL GENERAL EQUIPMENT	153,080,275	61,344,226	42,834,715	18,509,511	30.47			5,936,477
A100A	EASEMENTS	50,612,345	10,261,639	9,974,853	286,786	2.79		52.5	5,463
	TOTAL EASEMENTS	50,612,345	10,261,639	9,974,853	286,786	2.79			5,463
A200G	COMPUTER SOFTWARE AND DEVELOPMENT	100,990,015	51,486,494	46,927,029	4,559,465	3.03	4.8	4.8	324,889
A200H	COMPUTER DEVELOPMENT - MAJOR SYSTEMS	42,827,602	20,884,256	22,172,434	(1,288,178)	(6.17)	3.5	5.8	(6,171)
A200J	COMPUTER DEVELOPMENT - SMALL SYSTEMS	5,076,404	1,964,607	1,978,619	(115,012)	(1.77)	2.9	3.5	(1,770)
A200K	COMPUTER SOFTWARE - GENERAL	3,638,540	2,483,317	2,089,432	423,885	17.07		1.7	146,167
A200L	COMPUTER SOFTWARE - COMMUNICATION/OPERATIONAL	6,016,817	4,636,876	3,655,008	981,868	21.18		1.7	577,570
	OPERATIONAL SYSTEM MAJOR SOFTWARE - EMIS/SCADA								
	TOTAL COMPUTER SOFTWARE AND DEVELOPMENT	158,540,378	81,365,550	79,793,523	1,562,027	1.92			1,048,625
	TOTAL DEPRECIABLE ASSETS	12,067,737,939	3,815,828,705	4,410,288,464	(594,459,759)	(15.58)			(6,791,243)

*The account has no balance as of March 31, 2010 and rate will be used on a go-forward basis for future additions.
 ** On amortized account any true-up of less than 10% is not considered significant.
 *** True-up was deemed as not significant or has been limited to the annual depreciation expenses.

SCHEDULE 2. CALCULATED ACCRUED DEPRECIATION, BOOK ACCUMULATED DEPRECIATION AND DETERMINATION OF ANNUAL PROVISION FOR TRUE-UP FOR THE TWELVE MONTHS ENDED MARCH 31, 2010

ACCOUNT	DESCRIPTION (1)	SURVIVING ORIGINAL COST AS OF MARCH 31, 2010 (2)	CALCULATED ACCRUED DEPRECIATION (3)	BOOK ACCUMULATED DEPRECIATION (4)	ACCUMULATED DEPRECIATION AMOUNT VARIANCE (5) = (3)-(4)	PERCENT (6) = (5)/(3)	PROBABLE REMAINING LIFE (7)	ANNUAL PROVISION FOR TRUE-UP (8) = (5)/(7)
2000F	TRANSMISSION							
2000G	ROADS, TRAILS AND BRIDGES	4,045,718	1,118,735	937,453	181,282	16.20	28.5	6,361
2000J	METAL TOWERS AND CONCRETE POLES	340,022,220	90,153,172	99,791,962	(9,638,790)	(10.66)	59.8	(161,184)
2000K	POLES AND FIXTURES	104,983,312	31,982,039	37,079,666	(5,417,427)	(17.11)	36.6	(148,017)
2000L	GROUND LINE TREATMENT	1,410,002	406,695	384,224	22,461	5.52	7.1	3,155
2000M	OVERHEAD CONDUCTOR AND DEVICES	304,577,152	101,223,234	131,135,662	(29,912,628)	(29.55)	44.1	(678,291)
	UNDERGROUND CABLE AND DEVICES	1,167,763	688,351	669,421	(1,070)	(0.18)	19.5	(55)
	TOTAL TRANSMISSION	756,206,167	226,232,216	269,938,388	(44,766,172)	(19.86)		(981,186)
	SUBSTATIONS							
3000B	BUILDINGS	109,491,690	43,169,830	48,643,362	(5,473,532)	(12.66)	39.1	(139,968)
3000C	ROADS, STEEL STRUCTURES AND CIVIL SITE WORK	32,047	13,582	15,351	(1,769)	(13.03)	11.5	(154)
3000F	POLES AND FIXTURES	109,211,425	30,704,401	36,248,752	(5,544,351)	(18.06)	36.0	(154,010)
3100R	POWER TRANSFORMERS	7,810,315	2,169,493	2,630,995	(471,502)	(21.83)	26.4	(18,563)
3100S	OTHER TRANSFORMERS	287,449,387	81,301,746	84,754,364	(3,452,618)	(4.25)	31.1	(111,017)
3100T	INTERRUPTING EQUIPMENT	72,153,356	28,485,678	31,244,518	(2,758,840)	(9.69)	20.2	(136,576)
3100U	OTHER STATION EQUIPMENT	166,214,257	57,460,867	62,510,255	(5,049,388)	(8.79)	26.8	(188,410)
3200M	ELECTRONIC EQUIPMENT AND BATTERIES	503,404,372	177,009,144	190,927,472	(13,918,328)	(7.86)	26.0	(535,320)
3200N	SYNCHRONOUS CONDENSERS AND UNIT TRANSFORMERS	151,238,104	72,646,527	79,225,503	(6,578,976)	(9.06)	11.2	(587,409)
3200P	SYNCHRONOUS CONDENSER OVERHAULS	111,737,981	39,137,448	40,432,632	(1,295,184)	(3.31)	38.9	(33,295)
3200Q	HYDC CONVERTER EQUIPMENT	11,320,594	2,820,878	2,861,817	(40,939)	(1.44)	9.8	(4,157)
3200R	HYDC SERIALIZED EQUIPMENT	214,991,687	114,636,506	138,795,432	(24,158,926)	(21.07)	14.4	(1,877,103)
3200U	HYDC ACCESSORY STATION EQUIPMENT	646,219,985	325,860,262	367,310,621	(41,450,369)	(12.72)	14.1	(2,939,742)
3200V	HYDC ELECTRONIC EQUIPMENT AND BATTERIES	55,177,090	23,419,465	29,083,976	(5,664,511)	(24.18)	25.2	(224,782)
	TOTAL SUBSTATIONS	10,407,883	6,589,238	7,206,990	(617,752)	(9.38)	8.6	(71,832)
	DISTRIBUTION							
4000A	UNDERGROUND DUCT AND CONDUIT - CONCRETE	63,964,331	11,217,533	12,951,513	(1,733,980)	(15.46)	67.9	(25,537)
4000B	UNDERGROUND DUCT - ROOF	2,908,307	145,836	153,212	(7,376)	(5.06)	41.0	(180)
4000C	METAL TOWERS	4,571,448	1,173,035	2,356,633	(1,182,798)	(100.83)	37.0	(31,968)
4000D	POLES AND FIXTURES	566,174,558	127,369,666	264,136,510	(138,786,654)	(107.38)	40.3	(3,393,713)
4000E	OVERHEAD CONDUCTOR AND DEVICES	33,145,019	15,894,039	16,746,766	(852,727)	(5.37)	5.7	(2,758,926)
4000F	UNDERGROUND CABLE AND DEVICES - 66 KV	613,820,471	134,801,042	245,433,977	(110,632,935)	(82.07)	40.1	(2,459)
4000G	UNDERGROUND CABLE AND DEVICES - PRIMARY	19,523,432	2,161,937	2,297,161	(135,224)	(6.25)	55.0	(2,459)
4000P	UNDERGROUND CABLE AND DEVICES - SECONDARY	255,063,759	51,410,314	59,472,977	(8,082,663)	(15.88)	46.0	(175,275)
4000Q	SERIALIZED EQUIPMENT - OVERHEAD	193,755,072	48,230,367	55,906,148	(7,678,751)	(15.92)	33.1	(231,986)
4000R	DSC - HIGH VOLTAGE TRANSFORMERS	175,924,348	60,006,665	82,981,927	(22,975,282)	(38.29)	23.9	(961,308)
4000S	SERIALIZED EQUIPMENT - UNDERGROUND	5,415,940	509,582	705,487	(196,935)	(38.65)	34.8	(5,659)
4000V	ELECTRONIC EQUIPMENT	174,049,772	43,003,841	58,998,471	(15,914,630)	(36.94)	29.3	(543,161)
4000W	SERVICES	123,228,795	44,884,752	59,460,620	(14,575,868)	(32.47)	18.6	(783,649)
4000X	STREET LIGHTING	147,121,573	61,545,017	72,706,967	(11,163,950)	(18.14)	21.1	(529,097)
	TOTAL DISTRIBUTION	2,378,666,825	602,433,616	934,313,358	(331,879,742)	(65.09)		(9,442,919)
	METERS							
4900V	METERS - ELECTRONIC	16,111,185	5,320,309	1,490,413	3,829,896	71.99	11.1	345,036
4900Y	METERS - ANALOG	22,469,156	18,981,536	5,931,142	10,930,394	64.82	4.4	2,484,180
4900Z	METERING TRANSFORMERS	6,984,899	3,313,905	3,413,836	(100,931)	(3.03)	22.6	(4,448)
	TOTAL METERS	47,565,240	25,495,150	10,835,391	14,659,759	57.50		2,824,768

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SCHEDULE 2 CALCULATED ACCRUED DEPRECIATION, BOOK ACCUMULATED DEPRECIATION AND DETERMINATION OF ANNUAL PROVISION FOR TRUE-UP FOR THE TWELVE MONTHS ENDED MARCH 31, 2010

ACCOUNT	DESCRIPTION	(1)	(2)	(3)	(4)	(5) = (3)-(4)	(6) = (5)/(3)	(7)	(8) = (5)/(7)
		SURVIVING ORIGINAL COST AS OF MARCH 31, 2010	CALCULATED ACCRUED DEPRECIATION	BOOK ACCUMULATED DEPRECIATION	ACCUMULATED DEPRECIATION AMOUNT	VARIANCE	PERCENT	PROBABLE REMAINING LIFE	ANNUAL PROVISION FOR TRUE-UP
11700	LONG SPRUCE								
1170A	DAMS, DYKES AND WEIRS	64,744,494	17,136,124	18,797,519	(1,661,395)	(0.10)	85.2	(19,500)	
1170B	POWERHOUSE	143,780,355	36,082,455	41,787,059	(3,684,604)	(0.10)	85.2	(43,364)	
1170C	POWERHOUSE RENOVATIONS								
1170D	WATER CONTROL SYSTEMS	42,273,617	18,296,252	17,142,264	1,153,988	0.06	41.0	28,146	
1170E	SPILLWAY	57,946,281	37,207,115	41,448,762	(4,242,647)	(0.11)	17.5	(242,437)	
1170F	ROADS AND SITE IMPROVEMENTS	1,172,867	657,477	687,609	(30,432)	(0.05)	22.0	(1,383)	
1170G	TURBINES AND GENERATORS	143,326,643	72,028,075	77,103,787	(5,075,712)	(0.07)	30.7	(165,333)	
1170H	GOVERNORS AND EXCITATION SYSTEM	145,944	20,097	21,732	(1,635)	(0.08)	40.7	(40)	
1170L	LICENCE RENEWAL								
1170P	A/C ELECTRICAL POWER SYSTEMS	30,503,528	17,655,095	18,542,547	(887,452)	(0.05)	21.3	(41,664)	
1170Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS	4,409,200	3,518,195	3,373,611	144,584	0.04	6.9	20,949	
1170R	AUXILIARY STATION PROCESSES	12,199,119	6,909,582	7,135,875	(226,293)	(0.03)	17.9	(12,642)	
1170X	SUPPORT BUILDINGS	160,484	18,662	18,618	44	0.00	50.4	1	
1170W	SUPPORT BUILDING RENOVATIONS								
	TOTAL LONG SPRUCE	500,664,431	211,538,790	226,060,384	(14,521,594)	(0.07)		(477,266)	
11750	LIMESTONE								
1175A	DAMS, DYKES AND WEIRS	33,258,073	5,378,081	5,756,238	(378,157)	(0.07)	96.8	(3,907)	
1175B	POWERHOUSE	461,430,334	74,282,785	79,465,351	(5,222,566)	(0.07)	96.9	(53,896)	
1175C	POWERHOUSE RENOVATIONS								
1175D	SPILLWAY	201,240,773	56,703,974	49,241,598	7,462,376	0.13	47.6	156,773	
1175E	WATER CONTROL SYSTEMS	116,224,392	44,988,138	48,919,806	(3,931,668)	(0.09)	29.6	(132,827)	
1175F	ROADS AND SITE IMPROVEMENTS	17,184,432	6,795,781	6,832,303	(36,522)	(0.01)	28.5	(1,281)	
1175G	TURBINES AND GENERATORS	403,825,745	124,076,655	130,029,479	(5,952,824)	(0.05)	42.0	(141,734)	
1175H	GOVERNORS AND EXCITATION SYSTEM	16,584,271	6,439,021	6,847,507	(408,486)	(0.06)	29.2	(13,988)	
1175L	LICENCE RENEWAL								
1175P	A/C ELECTRICAL POWER SYSTEMS	144,317,307	57,149,653	57,457,004	(307,351)	(0.01)	28.5	(10,784)	
1175Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS	8,333,373	5,237,449	4,778,386	459,063	0.09	9.1	50,445	
1175R	AUXILIARY STATION PROCESSES	36,054,205	16,111,470	15,631,104	480,366	0.03	21.2	22,659	
1175X	SUPPORT BUILDINGS	5,703,494	1,625,607	1,616,130	9,477	0.01	42.6	222	
1175W	SUPPORT BUILDING RENOVATIONS								
	TOTAL LIMESTONE	1,444,136,399	398,768,614	406,594,917	(7,826,303)	(0.02)		(128,319)	
11800	WUSKWAATIM								
1180A	DAMS, DYKES AND WEIRS								
1180B	POWERHOUSE								
1180C	POWERHOUSE RENOVATIONS								
1180D	SPILLWAY								
1180E	WATER CONTROL SYSTEMS								
1180F	ROADS AND SITE IMPROVEMENTS								
1180G	TURBINES AND GENERATORS								
1180H	GOVERNORS AND EXCITATION SYSTEM								
1180P	A/C ELECTRICAL POWER SYSTEMS								
1180Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS								
1180R	AUXILIARY STATION PROCESSES								
1180X	SUPPORT BUILDINGS								
1180W	SUPPORT BUILDING RENOVATIONS								
	TOTAL WUSKWAATIM	0	0	0	0	0	0.00	0	
11990	INFRASTRUCTURE SUPPORTING GENERATION								
1199F	PROVINCIAL ROADS	25,380,938	14,256,798	13,691,986	564,812	0.04	21.8	25,909	
1199V	TOWN SITE BUILDINGS	63,280,714	21,821,338	18,850,678	2,970,660	0.14	38.2	77,766	
1199W	TOWN SITE BUILDINGS RENOVATIONS	13,502,581	2,082,389	803,439	1,272,950	0.61	16.0	79,558	
1199Y	TOWN SITE OTHER INFRASTRUCTURE	26,527,464	6,785,574	6,187,988	597,586	0.09	30.3	19,722	
	TOTAL INFRASTRUCTURE SUPPORTING GENERATION	128,691,696	44,946,079	39,540,091	5,405,988	0.12		202,555	
	TOTAL HYDRAULIC GENERATION	4,716,487,183	1,387,638,329	1,535,957,058	(149,418,730)	(0.11)		(3,303,866)	

Based on the retirement rate analysis, and on the expectations of operational staff, Gannett Fleming recommends an Iowa 43-R2 curve.

Account 3100V – Electronic Equipment and Batteries, represents 6% of the substations assets and 1% of the depreciable assets studied. Comparable utilities within the electric industry have lives ranging from 15 and 25 years. The retirement pattern as shown at page IV-103 shows modest retirements starting about year five and increasing thereafter. Based on the retirement rate analysis, and on the expectations of operational staff, Gannett Fleming recommends an Iowa curve of 20-R2.

Account 3200P – HVDC Converter Equipment, represents 9% of the substations assets and 2% of the depreciable assets studied. The retirement pattern as shown on page IV-108 shows modest retirements starting about year nine and slowly increasing until about age 25 and increasing at a faster rate thereafter. Based on the retirement rate analysis, and on the expectations of operational staff, Gannett Fleming recommends an Iowa 25-R3 curve.

Account 3200S – HVDC Serialized Equipment, represents 26% of the substations assets and 5% of the depreciable assets studied. The retirement pattern as shown on page IV-110 shows retirements starting at year two and then increasing thereafter. Based on the retirement rate analysis, and on the expectations of operational staff, Gannett Fleming recommends an Iowa 25-R2 curve.

DISTRIBUTION ACCOUNTS

Account 4000J – Poles and Fixtures, represents 24% of the distribution assets and 5% of the depreciable assets studied. The poles are a mix of pine and cedar with wood poles making up about 99.5% of the poles in service. Typical industry lives for

10

wood poles range from 38 to 55 years. The retirement rate analysis as shown on pages IV-122 and IV-123 has indicated a preliminary average service life estimate of the Iowa 34-R3, which was at the short end of the range of peer industry comparable companies.

Manitoba Hydro operational staff confirmed the Gannett Fleming view that the statistically developed 34-year average service life estimate was too short for this account, and should have an average service life of at least 55 to 60 years. Based on all factors, Gannett Fleming recommends an Iowa 55-R3 curve, which maintains the retirement dispersion shape from the retirement rate analysis, conforms to the view of the Manitoba Hydro operational staff, and is within the range of industry peers.

Account 4000L – Overhead Conductor and Devices, represents 26% of the distribution assets and 5.1% of the depreciable assets studied. The retirement rate analysis as shown on pages IV-125 and IV-126 has indicated a preliminary average service life estimate of the Iowa 32-R2, which was at the short end of the range of peer industry comparable companies. Typical industry averages show lives ranging from 45 to 60 years, which is longer than the statistically developed life estimate of 32 years.

Operational staff indicated they are seeing no major issues with conductors and they would expect lives to be longer than the 55-year life estimate recommended for the poles account as the conductor is not always replaced when poles are retired. Based on all factors, Gannett Fleming recommends an Iowa 60-R2 curve, which maintains the retirement dispersion shape from the retirement rate analysis, conforms to the view of the Manitoba Hydro operational staff, and is within the range of industry peers.

Account 4000N – Underground Cable and Devices – Primary, represents 11% of the distribution assets and 2% of the depreciable assets studied. Operational staff

PUB/MH I-82**Reference: Tab 5.0/Appendix 5.7/Gannett Fleming****e) Life span estimates of distribution (GF – P. II-34)****Please explain the rationale for increasing the service life of distribution assets to 55-60 years from MH's previous statistically developed 34 years.****ANSWER:**

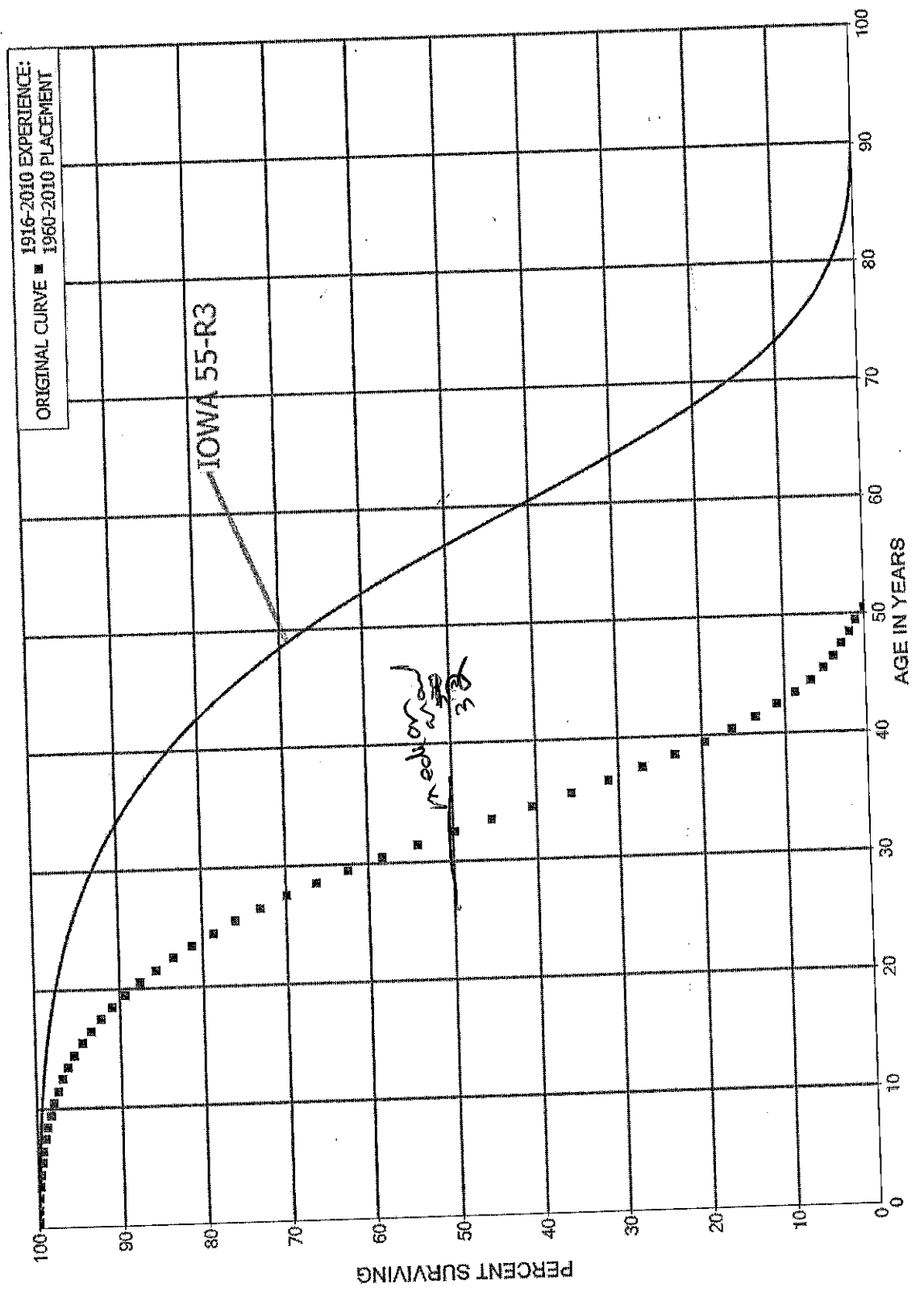
The following response was prepared by Gannett Fleming.

In the current depreciation study, the average service life estimates for the two largest Distribution Accounts (4000J – Poles and Fixtures and 4000L – Overhead Conductors and Devices) have increased dramatically. In the 2005 study these assets were formally in the Distribution – Poles, Conductor and Attachments accounts for Distribution (with a 31-year life) and Sub-Transmission (with a 38-year life). The average service life estimates in the 2005 depreciation study were based predominantly on the results of a study where the original installation years of retirements were not known, but rather were statistically developed using the computed mortality method. The interviews with Manitoba Hydro operational staff in 2005 did not provide an indication that the lives were materially short. The peer group analysis undertaken for the 2005 study indicated average service life estimates from 30 to 52 years.

However, in the current study, the Manitoba Hydro operational staff were confident that the life estimate for Poles should be materially lengthened from the life estimates as determined in the statistical retirement study. Gannett Fleming has also witnessed a trend to longer average service life estimates among the peer group analyzed. Additionally, the Province of Ontario has recently released the results of a depreciation study related to electric distribution assets that have indicated average service life estimates much longer than the currently used Manitoba life estimates. While the statistically generated studies have only indicated a small increase in life estimates, Gannett Fleming placed an increased amount of reliance on the industry trends and comments received from the Manitoba Hydro operational staff. Gannett Fleming notes that a significant amount of review of life characteristics has been undertaken by the MH operational staff over the past 18 month period. During the operational interviews the Manitoba Hydro operational staff was able to provide empirical evidence that the results of the life study were resulting in life estimates that were too short for the plant currently in service. Gannett Fleming feels that it is prudent at this time to place greater relevance on the comments of the MH operational staff than on the results of the mortality

study for these two accounts. Based on these factors, Gannett Fleming viewed that the use of a life estimate no longer than the longest of the peer group was appropriate.

MANITOBA HYDRO
ACCOUNT 4000J - POLES AND FIXTURES
ORIGINAL AND SMOOTH SURVIVOR CURVES



MANITOBA HYDRO

ACCOUNT 4000J - POLES AND FIXTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1960-2010			EXPERIENCE BAND 1916-2010		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	640,302,274	161,906	0.0003	0.9997	100.00
0.5	609,761,195	375,907	0.0006	0.9994	99.97
1.5	576,567,933	462,125	0.0008	0.9992	99.91
2.5	548,125,828	563,046	0.0010	0.9990	99.83
3.5	522,264,045	669,927	0.0013	0.9987	99.73
4.5	496,987,564	793,823	0.0016	0.9984	99.60
5.5	469,904,027	927,817	0.0020	0.9980	99.44
6.5	440,102,196	1,066,411	0.0024	0.9976	99.25
7.5	393,251,723	1,165,684	0.0030	0.9970	99.01
8.5	370,972,791	1,324,158	0.0036	0.9964	98.71
9.5	349,527,336	1,501,496	0.0043	0.9957	98.36
10.5	324,397,893	1,647,860	0.0051	0.9949	97.94
11.5	292,467,078	1,772,685	0.0061	0.9939	97.44
12.5	262,987,600	1,876,403	0.0071	0.9929	96.85
13.5	242,899,446	2,008,133	0.0083	0.9917	96.16
14.5	217,749,581	2,111,967	0.0097	0.9903	95.36
15.5	199,746,647	2,233,780	0.0112	0.9888	94.44
16.5	181,525,566	2,308,134	0.0127	0.9873	93.38
17.5	164,385,453	2,422,722	0.0147	0.9853	92.20
18.5	147,210,072	2,550,206	0.0173	0.9827	90.84
19.5	135,706,010	2,629,010	0.0194	0.9806	89.26
20.5	126,090,036	2,729,219	0.0216	0.9784	87.53
21.5	114,969,094	2,782,703	0.0242	0.9758	85.64
22.5	104,461,117	2,849,021	0.0273	0.9727	83.57
23.5	94,584,155	2,918,701	0.0309	0.9691	81.29
24.5	84,216,420	2,920,508	0.0347	0.9653	78.78
25.5	74,340,118	2,922,194	0.0393	0.9607	76.05
26.5	65,411,749	2,917,845	0.0446	0.9554	73.06
27.5	56,105,577	2,833,015	0.0505	0.9495	69.80
28.5	48,391,317	2,774,021	0.0573	0.9427	66.27
29.5	41,311,092	2,669,644	0.0646	0.9354	62.48
30.5	34,483,495	2,530,869	0.0734	0.9266	58.44
31.5	28,796,064	2,333,014	0.0810	0.9190	54.15
32.5	23,740,269	2,127,395	0.0896	0.9104	49.76
33.5	17,645,785	1,853,768	0.1051	0.8949	45.30
34.5	12,807,327	1,523,847	0.1190	0.8810	40.54
35.5	9,296,076	1,181,665	0.1271	0.8729	35.72
36.5	6,828,335	890,887	0.1305	0.8695	31.18
37.5	5,067,957	728,380	0.1437	0.8563	27.11
38.5	3,663,916	564,738	0.1541	0.8459	23.21

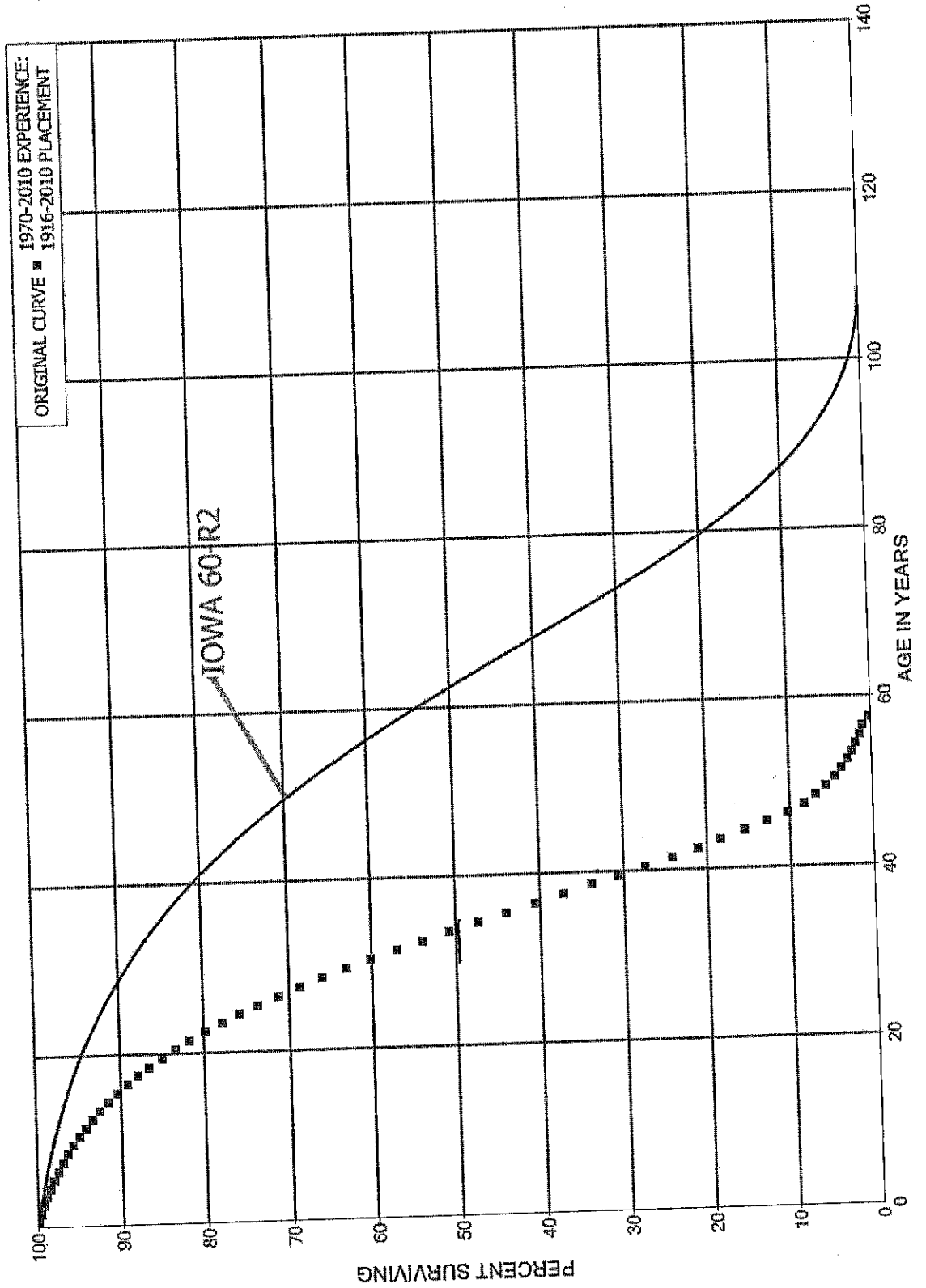
MANITOBA HYDRO

ACCOUNT 4000J - POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1960-2010			EXPERIENCE BAND 1916-2010			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
39.5	2,631,352	437,363	0.1662	0.8338	19.64	
40.5	1,858,717	330,611	0.1779	0.8221	16.37	
41.5	1,274,391	240,883	0.1890	0.8110	13.46	
42.5	846,515	174,642	0.2063	0.7937	10.92	
43.5	555,136	125,899	0.2268	0.7732	8.66	
44.5	348,467	83,727	0.2403	0.7597	6.70	
45.5	202,143	50,808	0.2513	0.7487	5.09	
46.5	110,860	28,075	0.2532	0.7468	3.81	
47.5	59,795	20,340	0.3402	0.6598	2.85	
48.5	21,103	9,296	0.4405	0.5595	1.88	
49.5	1,439	1,439	1.0000		1.05	
50.5						

MANITOBA HYDRO
ACCOUNT 4000L - OVERHEAD CONDUCTOR AND DEVICES
ORIGINAL AND SMOOTH SURVIVOR CURVES



MANITOBA HYDRO

ACCOUNT 4000L - OVERHEAD CONDUCTOR AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1916-2010			EXPERIENCE BAND 1970-2010		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	680,302,669	999,865	0.0015	0.9985	100.00
0.5	649,714,090	2,052,258	0.0032	0.9968	99.85
1.5	614,887,051	2,158,731	0.0035	0.9965	99.54
2.5	585,242,617	2,278,794	0.0039	0.9961	99.19
3.5	557,871,658	2,367,474	0.0042	0.9958	98.80
4.5	530,779,166	2,486,640	0.0047	0.9953	98.38
5.5	501,441,421	2,586,868	0.0052	0.9948	97.92
6.5	468,959,768	2,664,137	0.0057	0.9943	97.42
7.5	421,532,147	2,631,021	0.0062	0.9938	96.86
8.5	398,451,287	2,715,963	0.0068	0.9932	96.26
9.5	375,811,202	2,805,286	0.0075	0.9925	95.60
10.5	349,050,733	2,842,387	0.0081	0.9919	94.89
11.5	314,737,182	2,835,785	0.0090	0.9910	94.12
12.5	283,518,795	2,814,215	0.0099	0.9901	93.27
13.5	262,393,569	2,832,006	0.0108	0.9892	92.34
14.5	237,667,918	2,814,991	0.0118	0.9882	91.35
15.5	220,132,761	2,853,354	0.0130	0.9870	90.26
16.5	203,846,819	2,890,540	0.0142	0.9858	89.09
17.5	186,412,988	2,901,064	0.0156	0.9844	87.83
18.5	169,282,392	2,916,231	0.0172	0.9828	86.46
19.5	156,372,680	2,930,161	0.0187	0.9813	84.97
20.5	145,502,171	2,984,642	0.0205	0.9795	83.38
21.5	132,848,949	2,981,806	0.0224	0.9776	81.67
22.5	121,510,131	2,982,564	0.0245	0.9755	79.84
23.5	110,702,841	2,966,113	0.0268	0.9732	77.88
24.5	100,232,486	2,938,146	0.0293	0.9707	75.79
25.5	89,576,170	2,890,848	0.0323	0.9677	73.57
26.5	80,005,396	2,840,953	0.0355	0.9645	71.20
27.5	70,632,502	2,773,334	0.0393	0.9607	68.67
28.5	62,788,727	2,731,227	0.0435	0.9565	65.97
29.5	55,911,792	2,638,335	0.0472	0.9528	63.10
30.5	49,313,544	2,525,359	0.0512	0.9488	60.12
31.5	43,398,386	2,365,921	0.0545	0.9455	57.05
32.5	37,674,627	2,248,758	0.0597	0.9403	53.94
33.5	31,541,675	2,111,691	0.0669	0.9331	50.72
34.5	26,308,363	1,892,165	0.0719	0.9281	47.32
35.5	22,033,182	1,691,048	0.0768	0.9232	43.92
36.5	18,437,918	1,545,495	0.0838	0.9162	40.55
37.5	15,565,308	1,389,209	0.0893	0.9107	37.15
38.5	13,106,740	1,251,677	0.0955	0.9045	33.83

MANITOBA HYDRO

ACCOUNT 4000L - OVERHEAD CONDUCTOR AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1916-2010			EXPERIENCE BAND 1970-2010		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	11,082,936	1,167,122	0.1053	0.8947	30.60
40.5	9,202,728	1,095,223	0.1190	0.8810	27.38
41.5	7,554,361	949,743	0.1257	0.8743	24.12
42.5	6,226,544	843,551	0.1355	0.8645	21.09
43.5	4,882,498	753,402	0.1543	0.8457	18.23
44.5	3,734,952	678,595	0.1817	0.8183	15.42
45.5	2,720,057	527,442	0.1939	0.8061	12.62
46.5	1,973,992	380,724	0.1929	0.8071	10.17
47.5	1,441,361	262,389	0.1820	0.8180	8.21
48.5	992,105	182,838	0.1843	0.8157	6.71
49.5	628,310	119,039	0.1895	0.8105	5.48
50.5	399,939	74,582	0.1865	0.8135	4.44
51.5	250,630	50,224	0.2004	0.7996	3.61
52.5	151,751	29,767	0.1962	0.8038	2.89
53.5	115,716	24,568	0.2123	0.7877	2.32
54.5	71,656	22,598	0.3154	0.6846	1.83
55.5	25,216	6,979	0.2768	0.7232	1.25
56.5	4,990	3,959	0.7933	0.2067	0.91
57.5					0.19

the AC system due to the technology used. The selected Iowa 32-R3 Iowa curve reflects this increased retirement activity and is considered appropriate for this account.

Distribution systems comprise 16% of the depreciable plant studied. Of this investment, Account 3996 – Poles, Conductors, and Attachments constitutes 47% of the surviving plant. The retirements, additions and other plant transactions through 2005 were studied for these accounts. The Company had a previously approved life estimate of 28 years for this account. It is anticipated that the current trend of slightly decreasing retirements will continue over the next few years. Therefore, the 31-R2 Iowa curve, which was developed based on the retirement history of this account is appropriate.

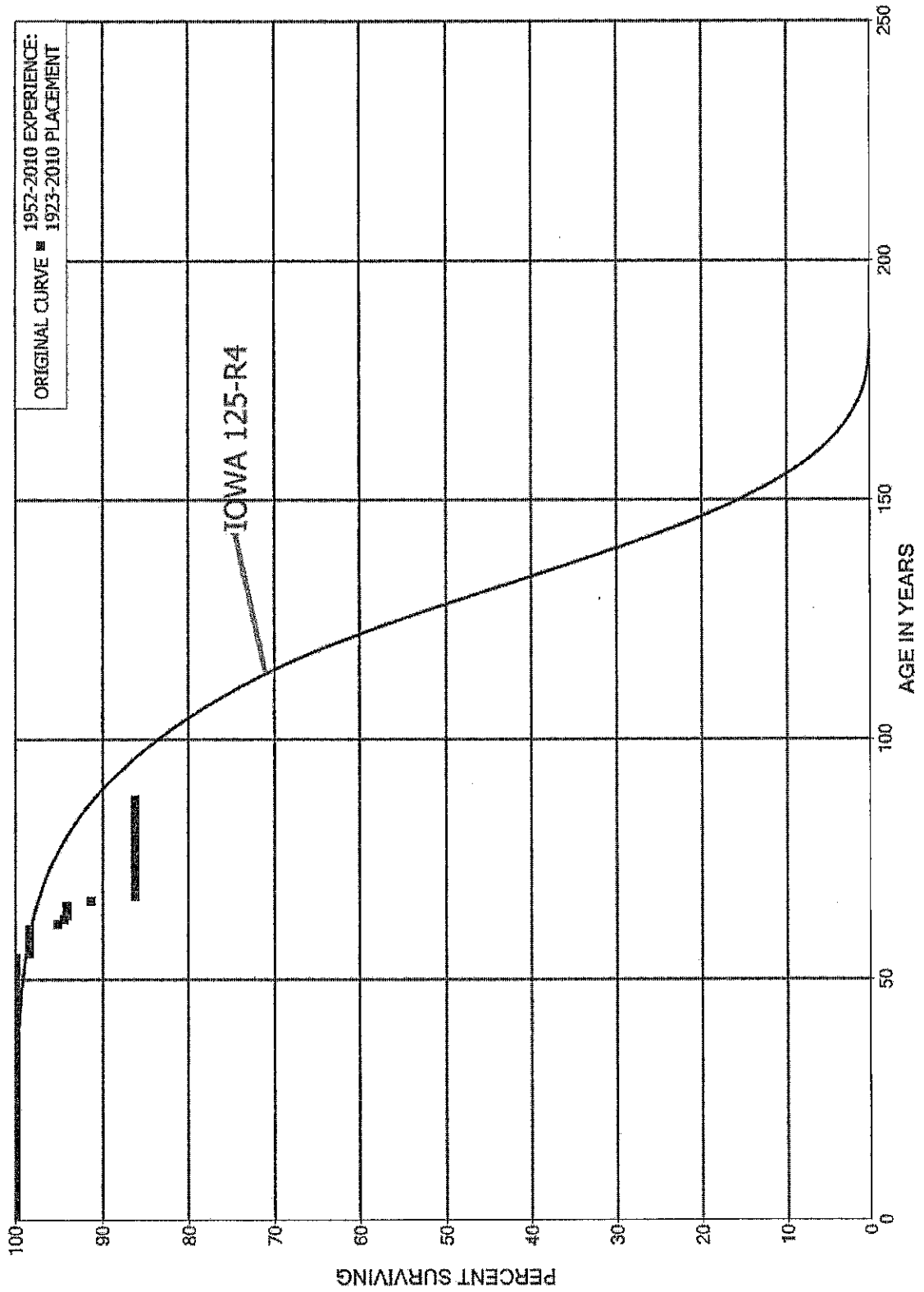
The survivor curves for the remaining electric utility accounts were based on similar considerations of historical analysis, management outlook and estimates for this Company and other electric utilities.

SALVAGE ESTIMATION

The estimates of salvage were based, in part, on the analysis of historical data for the years 1998 through 2005, and in larger part, on consideration of several factors including the net salvage characteristics of other electric utility properties, a knowledge of management's plans, review of accounting policies and procedures, and interviews held with operating personnel.

Continued use of the currently approved net salvage percentages for Manitoba Hydro's generation accounts is recommended. The net salvage rates used in the development of the annual depreciation accrual rates in this study represent an estimate of the costs of removal for the on-going retirement of plant that will be required prior to the

MANITOBA HYDRO
ACCOUNT 000A - DAMS, DYKES AND WEIRS
ORIGINAL AND SMOOTH SURVIVOR CURVES



MANITOBA HYDRO

ACCOUNT 000A - DAMS, DYKES AND WEIRS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2010			EXPERIENCE BAND 1952-2010		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	508,421,790		0.0000	1.0000	100.00
0.5	501,643,055		0.0000	1.0000	100.00
1.5	500,090,101		0.0000	1.0000	100.00
2.5	488,484,477		0.0000	1.0000	100.00
3.5	487,761,872		0.0000	1.0000	100.00
4.5	478,998,844		0.0000	1.0000	100.00
5.5	475,383,219		0.0000	1.0000	100.00
6.5	466,850,659		0.0000	1.0000	100.00
7.5	463,706,748		0.0000	1.0000	100.00
8.5	461,332,887		0.0000	1.0000	100.00
9.5	460,509,752		0.0000	1.0000	100.00
10.5	457,434,195		0.0000	1.0000	100.00
11.5	457,229,039		0.0000	1.0000	100.00
12.5	454,512,895		0.0000	1.0000	100.00
13.5	454,162,200		0.0000	1.0000	100.00
14.5	454,162,200		0.0000	1.0000	100.00
15.5	454,162,200		0.0000	1.0000	100.00
16.5	454,108,717		0.0000	1.0000	100.00
17.5	447,052,369		0.0000	1.0000	100.00
18.5	433,780,115		0.0000	1.0000	100.00
19.5	420,254,749		0.0000	1.0000	100.00
20.5	417,016,933	13,954	0.0000	1.0000	100.00
21.5	417,002,979		0.0000	1.0000	100.00
22.5	418,403,378		0.0000	1.0000	100.00
23.5	418,403,378		0.0000	1.0000	100.00
24.5	405,403,073		0.0000	1.0000	100.00
25.5	403,856,291		0.0000	1.0000	100.00
26.5	384,193,841		0.0000	1.0000	100.00
27.5	384,003,089		0.0000	1.0000	100.00
28.5	385,373,616		0.0000	1.0000	100.00
29.5	385,373,616		0.0000	1.0000	100.00
30.5	385,373,616		0.0000	1.0000	100.00
31.5	323,857,324		0.0000	1.0000	100.00
32.5	106,855,187		0.0000	1.0000	100.00
33.5	106,855,187		0.0000	1.0000	100.00
34.5	106,855,187		0.0000	1.0000	100.00
35.5	106,855,187		0.0000	1.0000	100.00
36.5	106,855,187		0.0000	1.0000	100.00
37.5	62,267,931		0.0000	1.0000	100.00
38.5	62,267,931		0.0000	1.0000	100.00

MANITOBA HYDRO

ACCOUNT 000A - DAMS, DYKES AND WEIRS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2010			EXPERIENCE BAND 1952-2010		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	62,265,107		0.0000	1.0000	100.00
40.5	62,265,107		0.0000	1.0000	100.00
41.5	61,796,000		0.0000	1.0000	100.00
42.5	61,796,000		0.0000	1.0000	100.00
43.5	61,796,000		0.0000	1.0000	100.00
44.5	20,881,841		0.0000	1.0000	100.00
45.5	20,881,841		0.0000	1.0000	100.00
46.5	20,881,841		0.0000	1.0000	100.00
47.5	20,881,841		0.0000	1.0000	100.00
48.5	20,881,841		0.0000	1.0000	100.00
49.5	17,244,716		0.0000	1.0000	100.00
50.5	17,244,716		0.0000	1.0000	100.00
51.5	17,235,876		0.0000	1.0000	100.00
52.5	11,635,572		0.0000	1.0000	100.00
53.5	11,635,572		0.0000	1.0000	100.00
54.5	11,635,572	192,434	0.0165	0.9835	100.00
55.5	8,809,810		0.0000	1.0000	98.34
56.5	8,809,810		0.0000	1.0000	98.34
57.5	8,807,519		0.0000	1.0000	98.34
58.5	5,973,735		0.0000	1.0000	98.34
59.5	5,962,152		0.0000	1.0000	98.34
60.5	5,513,012	175,771	0.0319	0.9681	98.34
61.5	5,337,241	44,894	0.0084	0.9916	95.21
62.5	5,292,347	19,841	0.0037	0.9963	94.41
63.5	5,272,506		0.0000	1.0000	94.05
64.5	5,272,506		0.0000	1.0000	94.05
65.5	5,272,506	155,106	0.0294	0.9706	94.05
66.5	5,117,399	283,771	0.0555	0.9445	91.29
67.5	4,833,629		0.0000	1.0000	86.22
68.5	4,833,629		0.0000	1.0000	86.22
69.5	4,833,629		0.0000	1.0000	86.22
70.5	4,833,629		0.0000	1.0000	86.22
71.5	4,833,629		0.0000	1.0000	86.22
72.5	4,833,629		0.0000	1.0000	86.22
73.5	4,833,629		0.0000	1.0000	86.22
74.5	4,833,629		0.0000	1.0000	86.22
75.5	4,833,629		0.0000	1.0000	86.22
76.5	4,833,629		0.0000	1.0000	86.22
77.5	4,833,629		0.0000	1.0000	86.22
78.5	2,211,109		0.0000	1.0000	86.22

MANITOBA HYDRO

ACCOUNT 000A - DAMS, DYKES AND WEIRS

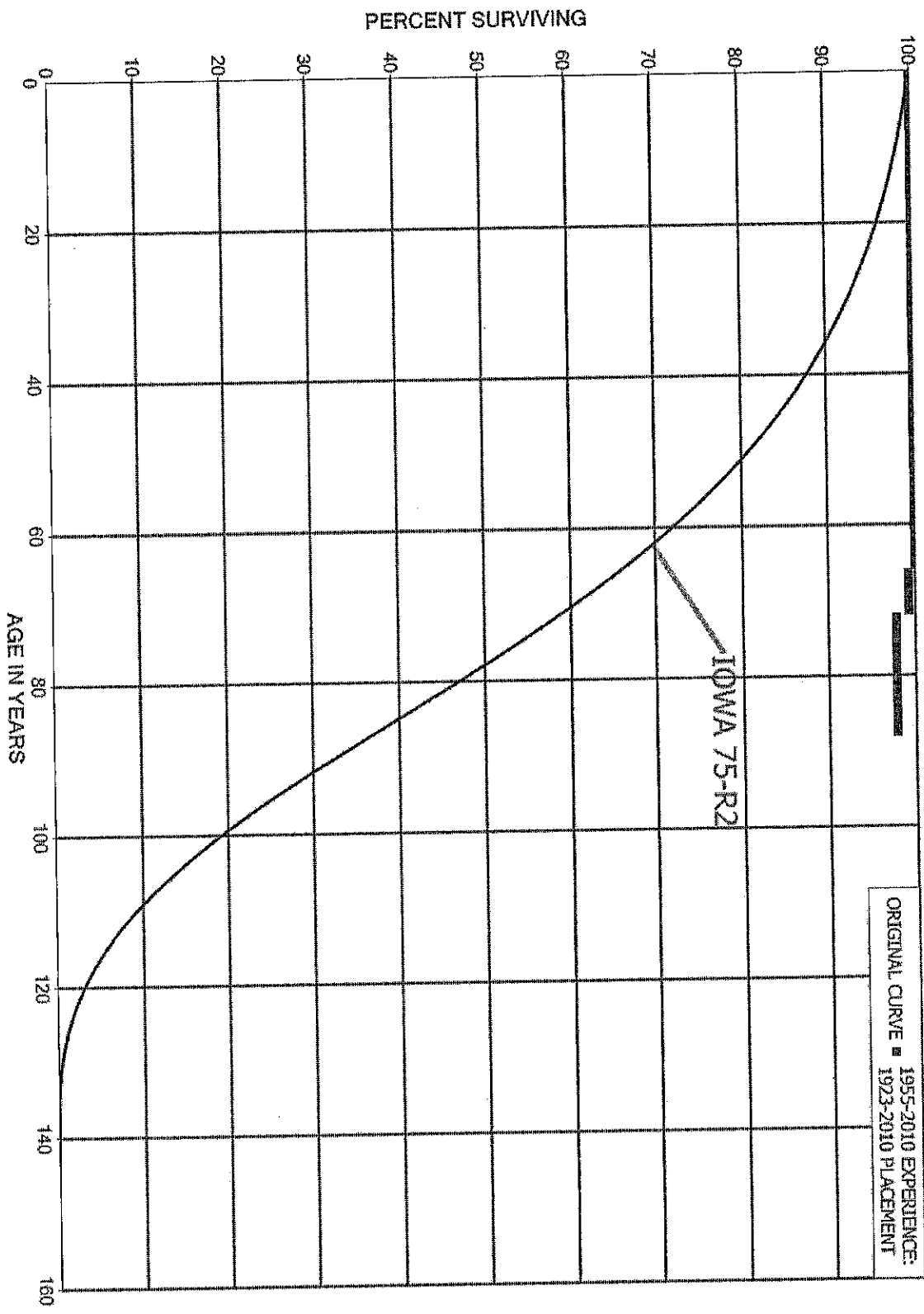
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2010

EXPERIENCE BAND 1952-2010

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	2,211,109		0.0000	1.0000	86.22
80.5	2,211,109		0.0000	1.0000	86.22
81.5	986,481		0.0000	1.0000	86.22
82.5	986,481		0.0000	1.0000	86.22
83.5	967,520		0.0000	1.0000	86.22
84.5	967,520		0.0000	1.0000	86.22
85.5	967,520		0.0000	1.0000	86.22
86.5	931,651		0.0000	1.0000	86.22
87.5					86.22

MANITOBA HYDRO
ACCOUNT 000D - SPILLWAY
ORIGINAL AND SMOOTH SURVIVOR CURVES



MANITOBA HYDRO

ACCOUNT 000D - SPILLWAY

ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2010

EXPERIENCE BAND 1955-2010

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	369,552,576		0.0000	1.0000	100.00
0.5	369,506,280		0.0000	1.0000	100.00
1.5	366,978,483		0.0000	1.0000	100.00
2.5	366,762,400		0.0000	1.0000	100.00
3.5	366,644,866		0.0000	1.0000	100.00
4.5	365,995,189		0.0000	1.0000	100.00
5.5	365,386,540		0.0000	1.0000	100.00
6.5	365,386,540		0.0000	1.0000	100.00
7.5	365,386,540		0.0000	1.0000	100.00
8.5	365,386,540	1,838	0.0000	1.0000	100.00
9.5	365,384,702		0.0000	1.0000	100.00
10.5	365,384,702		0.0000	1.0000	100.00
11.5	365,384,702		0.0000	1.0000	100.00
12.5	365,355,774		0.0000	1.0000	100.00
13.5	364,377,188		0.0000	1.0000	100.00
14.5	364,377,188		0.0000	1.0000	100.00
15.5	363,467,145		0.0000	1.0000	100.00
16.5	363,207,008		0.0000	1.0000	100.00
17.5	322,517,032		0.0000	1.0000	100.00
18.5	242,086,562		0.0000	1.0000	100.00
19.5	161,656,093		0.0000	1.0000	100.00
20.5	161,656,093		0.0000	1.0000	100.00
21.5	161,656,093		0.0000	1.0000	100.00
22.5	162,728,053		0.0000	1.0000	100.00
23.5	162,728,053		0.0000	1.0000	100.00
24.5	153,113,204		0.0000	1.0000	100.00
25.5	153,130,509		0.0000	1.0000	100.00
26.5	152,492,998		0.0000	1.0000	100.00
27.5	152,492,998		0.0000	1.0000	100.00
28.5	152,492,998		0.0000	1.0000	100.00
29.5	152,492,998		0.0000	1.0000	100.00
30.5	152,492,998		0.0000	1.0000	100.00
31.5	110,724,015		0.0000	1.0000	100.00
32.5	39,517,819		0.0000	1.0000	100.00
33.5	39,517,819		0.0000	1.0000	100.00
34.5	39,517,819		0.0000	1.0000	100.00
35.5	39,517,819		0.0000	1.0000	100.00
36.5	39,517,819		0.0000	1.0000	100.00
37.5	14,110,860		0.0000	1.0000	100.00
38.5	14,110,860		0.0000	1.0000	100.00

MANITOBA HYDRO

ACCOUNT 000D - SPILLWAY

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2010

EXPERIENCE BAND 1955-2010

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	14,110,860		0.0000	1.0000	100.00
40.5	14,110,860		0.0000	1.0000	100.00
41.5	12,809,593		0.0000	1.0000	100.00
42.5	12,809,593		0.0000	1.0000	100.00
43.5	12,809,593		0.0000	1.0000	100.00
44.5	8,802,525		0.0000	1.0000	100.00
45.5	8,802,525		0.0000	1.0000	100.00
46.5	8,802,525		0.0000	1.0000	100.00
47.5	8,802,525		0.0000	1.0000	100.00
48.5	8,802,525		0.0000	1.0000	100.00
49.5	3,470,596		0.0000	1.0000	100.00
50.5	3,470,596		0.0000	1.0000	100.00
51.5	3,470,596		0.0000	1.0000	100.00
52.5	3,470,596		0.0000	1.0000	100.00
53.5	3,470,596		0.0000	1.0000	100.00
54.5	3,470,596		0.0000	1.0000	100.00
55.5	1,119,158		0.0000	1.0000	100.00
56.5	1,119,158		0.0000	1.0000	100.00
57.5	1,119,158		0.0000	1.0000	100.00
58.5	1,119,158		0.0000	1.0000	100.00
59.5	1,119,158		0.0000	1.0000	100.00
60.5	1,119,158		0.0000	1.0000	100.00
61.5	1,119,158		0.0000	1.0000	100.00
62.5	1,119,158		0.0000	1.0000	100.00
63.5	1,119,158		0.0000	1.0000	100.00
64.5	1,119,158		0.0000	1.0000	100.00
65.5	1,119,158	9,446	0.0084	0.9916	100.00
66.5	1,109,711		0.0000	1.0000	99.16
67.5	1,109,711		0.0000	1.0000	99.16
68.5	1,109,711		0.0000	1.0000	99.16
69.5	1,109,711		0.0000	1.0000	99.16
70.5	1,109,711		0.0000	1.0000	99.16
71.5	1,109,711	16,317	0.0147	0.9853	99.16
72.5	1,093,394		0.0000	1.0000	97.70
73.5	1,093,394		0.0000	1.0000	97.70
74.5	1,093,394		0.0000	1.0000	97.70
75.5	1,093,394		0.0000	1.0000	97.70
76.5	1,093,394		0.0000	1.0000	97.70
77.5	1,093,394		0.0000	1.0000	97.70
78.5	21,434		0.0000	1.0000	97.70

MANITOBA HYDRO

ACCOUNT 000D - SPILLWAY

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2010

EXPERIENCE BAND 1955-2010

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	21,434		0.0000	1.0000	97.70
80.5	21,434		0.0000	1.0000	97.70
81.5	13,575		0.0000	1.0000	97.70
82.5	13,575		0.0000	1.0000	97.70
83.5	13,575		0.0000	1.0000	97.70
84.5	13,575		0.0000	1.0000	97.70
85.5	13,575		0.0000	1.0000	97.70
86.5	13,575		0.0000	1.0000	97.70
87.5					97.70

SCHEDULE 1 - ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENTS, ORIGINAL COST AND ANNUAL ACCRUALS FOR THE TWELVE MONTHS ENDED MARCH 31, 2010 (USE OF THE ASL PROCEDURE)

ACCOUNT	DEPRECIABLE WORK (1)	LIFE SPAN DATE	SURVIVOR CURVE (2)	NET SALVAGE (3)	SURVIVING ORIGINAL COST AS OF MARCH 31, 2010 (4)	CALCULATED ANNUAL ACCRUAL AMOUNT (5)	RATE (%) (6)=(5)/(4)	ANNUAL PROVISION FOR TRUE-UP (7)	TOTAL DEPRECIATION EXPENSE (8)=(5)+(7)	RATE (%) (9)=(8)/(4)
10000	GENERATION									
11000	HYDRAULIC GENERATION									
11050	GREAT FALLS	2063	125-R4	(10)	17,302,772	238,985	1.38	(18,829)	222,156	1.28
1105B	DAMS, DYKES AND WEIRS	2063	125-R4	(10)	7,990,993	109,555	1.37	(8,306)	101,250	1.27
1105C	POWERHOUSE	2063	25-SQ	(10)	9,676,327	163,925	1.69	(33,000)	153,433	1.59
1105D	SPILLWAY	2063	75-R2	(10)	24,245,253	535,198	2.21	(29)	502,198	2.07
1105E	WATER CONTROL SYSTEMS	2063	50-R3	(10)	213,964	5,020	2.35	(20,626)	4,991	2.33
1105F	ROADS AND SITE IMPROVEMENTS	2063	50-R3	(10)	25,126,789	475,951	1.90	(548)	456,355	1.82
1105G	TURBINES AND GENERATORS	2063	50-R4	(10)	462,218	10,949	2.22	(12,083)	10,401	2.11
1105H	GOVERNORS AND EXCITATION SYSTEM	2063	50-SQ	0	9,463,088	211,271	2.23	(46,393)	199,188	2.10
1105P	LICENCE RENEWAL	2063	50-R3	(10)	19,271,956	899,389	4.67	(13,147)	853,966	4.43
1105Q	A/C ELECTRICAL POWER SYSTEMS	2063	23-L2	(10)	8,345,798	228,886	2.74	(1,875)	215,839	2.59
1105R	INSTRUMENTATION, CONTROL AND D/C SYSTEMS	2063	40-R2.5	(10)	1,485,253	27,670	1.85		25,795	1.73
1105X	AUXILIARY STATION PROCESSES	2063	65-R3	(10)						5.50 %**
1105Y	SUPPORT BUILDINGS	2063	65-R3	(10)						5.50 %**
1105W	SUPPORT BUILDING RENOVATIONS	2063	20-SQ	(10)						2.22
	TOTAL GREAT FALLS				123,656,412	2,907,929	2.35	(162,327)	2,745,602	
11100	POINTE DU BOIS									
1110A	DAMS, DYKES AND WEIRS	2031	125-R4	(10)	11,263,332	491,508	4.36	(62,462)	409,046	3.63
1110B	POWERHOUSE	2031	125-R4	(10)	6,242,749	286,076	4.77	(24,130)	273,946	4.39
1110C	POWERHOUSE RENOVATIONS	2031	25-SQ	(10)	3,104,842	344,107	11.08	(85,021)	259,086	8.34
1110D	SPILLWAY - ORIGINAL	2017	75-R2	0	4,027,603	166,173	4.18	(266)	132,552	3.29
1110E	WATER CONTROL SYSTEMS	2031	50-S4	(10)	28,533	1,206	4.23	(138,078)	942	3.30
1110F	ROADS AND SITE IMPROVEMENTS	2031	50-R3	(10)	24,610,324	1,123,496	4.57	(20,819)	885,418	4.00 *
1110G	TURBINES AND GENERATORS	2031	65-S3	(10)	6,057,709	286,661	4.90	(2,381)	275,842	4.76
1110H	GOVERNORS AND EXCITATION SYSTEM	2031	50-R4	0	365,559	20,419	5.74	(10,107)	18,038	5.07
1110I	LICENCE RENEWAL	2031	50-SQ	0	1,377,014	65,027	4.72	(28,103)	54,920	3.99
1110P	A/C ELECTRICAL POWER SYSTEMS	2031	50-R3	(10)	2,616,290	103,919	3.97		74,816	2.86 %**
1110Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS	2031	23-L2	(10)						5.50 *
1110R	AUXILIARY STATION PROCESSES	2031	40-R2.5	(10)						1.47 *
1110X	SUPPORT BUILDINGS	2031	65-R3	(10)						4.16
1110Y	SUPPORT BUILDING RENOVATIONS	2031	20-SQ	(10)						4.16
1110W	SPILLWAY - NEW	2031	75-R2	(10)						4.16
	TOTAL POINTE DU BOIS				59,683,956	2,912,594	4.88	(427,989)	2,484,605	
11150	SEVEN SISTERS									
1115A	DAMS, DYKES AND WEIRS	2072	125-R4	(10)	31,487,995	386,480	1.23	(60,803)	325,687	1.03
1115B	POWERHOUSE	2072	125-R4	(10)	13,853,945	157,769	1.16	(34,219)	123,550	0.90
1115C	POWERHOUSE RENOVATIONS	2072	25-SQ	(10)	2,841,355	40,970	1.44	(7,812)	33,158	1.17
1115D	SPILLWAY	2072	75-R2	(10)	4,296,891	94,567	2.20	(17,127)	77,440	1.80
1115E	WATER CONTROL SYSTEMS	2072	50-S4	(10)	201,701	4,456	2.21	(744)	3,712	1.84
1115F	ROADS AND SITE IMPROVEMENTS	2072	50-R3	(10)	41,208,963	737,500	1.79	(62,065)	675,415	1.64
1115G	TURBINES AND GENERATORS	2072	65-S3	(10)	6,860	151	2.20	(379)	(228)	2.00 %**
1115H	GOVERNORS AND EXCITATION SYSTEM	2072	50-R4	(10)						2.00 %**
1115L	LICENCE RENEWAL	2072	50-SQ	0	10,848,619	234,601	2.20	(31,151)	203,450	1.81
1115P	A/C ELECTRICAL POWER SYSTEMS	2072	50-R3	(10)	3,821,416	182,855	4.79	(40,389)	142,467	3.73
1115Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS	2072	23-L2	(10)	5,224,958	134,972	2.58	(23,517)	111,455	2.13
1115R	AUXILIARY STATION PROCESSES	2072	40-R2.5	(10)	608,294	11,185	1.84	(628)	10,557	1.74
1115X	SUPPORT BUILDINGS	2072	65-R3	(10)						5.50 %**
1115Y	SUPPORT BUILDING RENOVATIONS	2072	20-SQ	(10)						5.50 %**
	TOTAL SEVEN SISTERS				114,010,998	1,985,516	1.74	(278,855)	1,706,661	

SCHEDULE 1 - ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENTS, ORIGINAL COST AND ANNUAL ACCRUALS FOR THE TWELVE MONTHS ENDED MARCH 31, 2010 (USE OF THE ASL PROCEDURE)

ACCOUNT	DEPRECIABLE WORK (1)	LIFE SPAN DATE	SURVIVOR CURVE (2)	NET SALVAGE (3)	SURVIVING ORIGINAL COST AS OF MARCH 31, 2010 (4)	CALCULATED ANNUAL ACCRUAL AMOUNT (5)	RATE (%) (6)=(5)/(4)	ANNUAL PROVISION FOR TRUE-UP (7)	TOTAL DEPRECIATION EXPENSE (8)=(5)+(7)	RATE (%) (9)=(8)/(4)
11200	SLAVE FALLS									
1120A	DAMS, DYKES AND WEIRS	2072	125-R4	(10)	854,684	16,233	1.70	(84)	16,149	1.69
1120B	POWERHOUSE	2072	125-R4	(10)	45,892,194	729,914	1.60	(9,268)	720,646	1.58
1120C	POWERHOUSE RENOVATIONS	2072	25-SQ	(10)						4.40 y**
1120D	SPILLWAY	2072	75-R2	(10)	760,201	14,295	1.88	(103)	14,192	1.87
1120E	WATER CONTROL SYSTEMS	2072	50-S4	(10)	318,833	7,022	2.20	(59)	6,963	2.18
1120F	ROADS AND SITE IMPROVEMENTS	2072	50-R3	(10)	769,508	17,098	2.22	(177)	16,921	2.20
1120G	TURBINES AND GENERATORS	2072	65-S3	(10)	11,630,909	211,168	1.82	(3,143)	208,025	1.79
1120H	GOVERNORS AND EXCITATION SYSTEM	2072	50-R4	(10)						2.20 *
1120I	LICENCE RENEWAL	2072	50-SQ	0						2.00 y**
1120P	A/C ELECTRICAL POWER SYSTEMS	2072	50-R3	(10)	21,815,741	486,981	2.23	(4,334)	481,647	2.21
1120Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS	2072	23-L2	(10)	786,382	37,628	4.78	(491)	37,137	4.72
1120R	AUXILIARY STATION PROCESSES	2072	40-R2.5	(10)	2,201,466	80,540	2.75	(440)	80,100	2.73
1120X	SUPPORT BUILDINGS	2072	65-R3	(10)	3,724,095	68,422	1.84	(1,005)	67,417	1.81
1120W	SUPPORT BUILDING RENOVATIONS	2072	20-SQ	(10)						5.50 y**
	TOTAL SLAVE FALLS				88,654,109	1,648,301	1.86	(19,103)	1,629,198	1.84
11250	PINE FALLS									
1125A	DAMS, DYKES AND WEIRS	2092	125-R4	(10)	14,110,589	170,023	1.20	(4,444)	165,579	1.17
1125B	POWERHOUSE	2092	125-R4	(10)	10,060,843	94,485	0.94	(11,302)	83,183	0.83
1125C	POWERHOUSE RENOVATIONS	2092	25-SQ	(10)						4.40 y**
1125D	SPILLWAY	2092	75-R2	(10)	93,376	1,505	1.61	(6)	1,499	1.60
1125E	WATER CONTROL SYSTEMS	2092	50-S4	(10)	3,564,106	78,410	2.20	(9,007)	69,403	1.95
1125F	ROADS AND SITE IMPROVEMENTS	2092	50-R3	(10)	1,178,575	25,929	2.20	(4,557)	21,372	1.81
1125G	TURBINES AND GENERATORS	2092	65-S3	(10)	9,464,220	160,333	1.69	(21,435)	138,898	1.47
1125H	GOVERNORS AND EXCITATION SYSTEM	2092	50-R4	(10)						2.20 *
1125I	LICENCE RENEWAL	2092	50-SQ	0						2.00 y**
1125P	A/C ELECTRICAL POWER SYSTEMS	2092	50-R3	(10)	5,071,108	111,564	2.20	(6,896)	104,668	2.06
1125Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS	2092	23-L2	(10)	2,156,586	103,193	4.79	(11,485)	91,708	4.25
1125R	AUXILIARY STATION PROCESSES	2092	40-R2.5	(10)	3,790,230	104,231	2.75	(7,987)	96,244	2.54
1125X	SUPPORT BUILDINGS	2092	65-R3	(10)	336,412	5,899	1.69	(269)	5,480	1.61
1125W	SUPPORT BUILDING RENOVATIONS	2092	20-SQ	(10)						5.50 y**
1125Z	COMMUNITY DEVELOPMENT COSTS	2092	81-SQ	0	4,425,543	54,434	1.23	(2,471)	51,963	1.17 **
	TOTAL PINE FALLS				54,251,587	909,806	1.68	(79,858)	829,948	1.53
11300	MCARTHUR FALLS									
1130A	DAMS, DYKES AND WEIRS	2095	125-R4	(10)	3,578,068	35,150	0.98	(2,509)	32,541	0.91
1130B	POWERHOUSE	2095	125-R4	(10)	9,523,798	88,239	0.93	(8,742)	79,497	0.83
1130C	POWERHOUSE RENOVATIONS	2095	25-SQ	(10)						4.40 y**
1130D	SPILLWAY	2095	75-R2	(10)	2,351,438	34,402	1.46	(6,451)	27,951	1.19
1130E	WATER CONTROL SYSTEMS	2095	50-S4	(10)	11,703,203	257,470	2.20	(16,879)	240,591	2.06
1130F	ROADS AND SITE IMPROVEMENTS	2095	50-R3	(10)	234,820	5,166	2.20	(489)	4,677	1.99
1130G	TURBINES AND GENERATORS	2095	65-S3	(10)	5,086,387	86,332	1.69	(32,214)	54,118	1.06
1130H	GOVERNORS AND EXCITATION SYSTEM	2095	50-R4	(10)	119,315	2,525	2.20	(121)	2,504	2.10
1130I	LICENCE RENEWAL	2095	50-SQ	0						2.00 y**
1130P	A/C ELECTRICAL POWER SYSTEMS	2095	50-R3	(10)	2,480,539	54,572	2.20	(7,535)	47,037	1.90
1130Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS	2095	23-L2	(10)	1,245,885	59,616	4.79	(6,197)	53,419	4.29
1130R	AUXILIARY STATION PROCESSES	2095	40-R2.5	(10)	3,440,197	94,605	2.75	(5,940)	88,665	2.58
1130X	SUPPORT BUILDINGS	2095	65-R3	(10)	227,212	3,849	1.69	(156)	3,693	1.63
1130W	SUPPORT BUILDING RENOVATIONS	2095	20-SQ	(10)						5.50 y**
	TOTAL MCARTHUR FALLS				40,000,842	722,026	1.81	(87,333)	634,693	1.59

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SCHEDULE 1. ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENTS, ORIGINAL COST AND ANNUAL ACCRUALS FOR THE TWELVE MONTHS ENDED MARCH 31, 2010 (USE OF THE ASL PROCEDURE)

ACCOUNT	DEPRECIABLE WORK (1)	LIFE SPAN DATE	SURVIVOR CURVE (2)	NET SALVAGE (3)	SURVIVING ORIGINAL COST AS OF MARCH 31, 2010 (4)	CALCULATED ANNUAL ACCRUAL AMOUNT (5)	RATE (%) (6)=(5)/(4)	ANNUAL PROVISION FOR TRUE-UP (7)	TOTAL DEPRECIATION EXPENSE (8)=(5)+(7)	RATE (%) (9)=(8)/(4)
11350 KELSEY										
1135A DAMS, DYKES AND WEIRS		2101	125-R4	(10)	11,066,409	118,604	1.07	(2,046)	116,558	1.05
1135B POWERHOUSE		2101	125-R4	(10)	27,569,817	256,025	0.93	(11,217)	244,808	0.89
1135C POWERHOUSE RENOVATIONS		2101	25-SQ	(10)						4.40 %**
1135D SPILLWAY		2101	75-R2	(10)	5,531,929	78,006	1.46	(6,786)	71,220	1.34
1135E WATER CONTROL SYSTEMS		2101	50-S4	(10)	11,792,566	259,436	2.20	(12,855)	246,581	2.09
1135F ROADS AND SITE IMPROVEMENTS		2101	65-S3	(10)	6,442,528	141,744	2.20	(9,348)	132,396	2.05
1135G TURBINES AND GENERATORS		2101	65-S3	(10)	130,323,693	2,207,663	1.69	(12,933)	2,194,750	1.68
1135H GOVERNORS AND EXCITATION SYSTEM		2101	50-R4	(10)	88,651	1,950	2.20	(56)	1,895	2.14
1135L LICENCE RENEWAL		2101	50-SQ	0						2.00 %**
1135P A/C ELECTRICAL POWER SYSTEMS		2101	50-R3	(10)	5,751,610	126,535	2.20	(9,565)	116,970	2.03
1135Q INSTRUMENTATION, CONTROL AND D/C SYSTEMS		2101	23-L2	(10)	3,595,490	172,044	4.78	(7,271)	164,773	4.58
1135R AUXILIARY STATION PROCESSES		2101	40-R2.5	(10)	7,788,815	214,192	2.75	(9,235)	204,957	2.83
1135X SUPPORT BUILDINGS		2101	65-R3	(10)	9,953,977	168,520	1.69	(2,711)	165,809	1.87
1135W SUPPORT BUILDING RENOVATIONS		2101	20-SQ	(10)						5.50 %**
TOTAL KELSEY					219,705,886	3,744,839	1.70	(84,022)	3,660,817	1.67
11400 GRAND RAPIDS										
1140A DAMS, DYKES AND WEIRS		2091	125-R4	(10)	53,468,974	555,421	1.04	(30,489)	524,932	0.98
1140B POWERHOUSE		2091	125-R4	(10)	24,506,522	240,399	0.98	(16,737)	223,662	0.91
1140C POWERHOUSE RENOVATIONS		2091	25-SQ	(10)						4.40 %**
1140D SPILLWAY		2091	75-R2	(10)	5,308,334	77,804	1.47	(8,835)	68,969	1.30
1140E WATER CONTROL SYSTEMS		2091	50-S4	(10)	15,982,492	351,615	2.20	(65,570)	286,045	1.79
1140F ROADS AND SITE IMPROVEMENTS		2091	65-S3	(10)	2,581,475	56,792	2.20	(13,491)	43,301	1.68
1140G TURBINES AND GENERATORS		2091	65-S3	(10)	113,066,160	1,920,457	1.70	(61,682)	1,858,775	1.64
1140H GOVERNORS AND EXCITATION SYSTEM		2091	50-R4	(10)	42,718	940	2.20	(32)	908	2.13
1140L LICENCE RENEWAL		2091	50-SQ	0						2.00 %**
1140P A/C ELECTRICAL POWER SYSTEMS		2091	50-R3	(10)	8,240,545	181,282	2.20	(10,702)	170,580	2.07
1140Q INSTRUMENTATION, CONTROL AND D/C SYSTEMS		2091	23-L2	(10)	4,674,247	223,663	4.79	(32,854)	190,809	4.08
1140R AUXILIARY STATION PROCESSES		2091	40-R2.5	(10)	5,600,506	154,014	2.75	(7,004)	147,010	2.82
1140X SUPPORT BUILDINGS		2091	65-R3	(10)	6,190,376	105,181	1.70	(2,599)	102,582	1.66
1140W SUPPORT BUILDING RENOVATIONS		2091	20-SQ	(10)						5.50 %**
1140Z COMMUNITY DEVELOPMENT COSTS		2091	80-SQ	0	101,442,997	1,268,037	1.25	(90,628)	1,177,409	1.16 **
TOTAL GRAND RAPIDS					341,105,346	5,135,585	1.51	(340,623)	4,794,972	1.41
11450 KETTLE										
1145A DAMS, DYKES AND WEIRS		2111	125-R4	(10)	45,280,663	414,201	0.91	(23,299)	390,902	0.86
1145B POWERHOUSE		2111	125-R4	(10)	146,207,420	1,340,586	0.92	(74,373)	1,266,213	0.87
1145C POWERHOUSE RENOVATIONS		2111	25-SQ	(10)						4.40 %**
1145D SPILLWAY		2111	75-R2	(10)	25,406,960	371,704	1.46	(34,043)	337,661	1.33
1145E WATER CONTROL SYSTEMS		2111	50-S4	(10)	17,834,945	392,369	2.20	(115,814)	276,555	1.55
1145F ROADS AND SITE IMPROVEMENTS		2111	65-S3	(10)	10,591	233	2.20	(7)	226	2.14
1145G TURBINES AND GENERATORS		2111	65-S3	(10)	70,740,028	1,198,336	1.69	(154,283)	1,044,053	1.48
1145H GOVERNORS AND EXCITATION SYSTEM		2111	50-R4	(10)	3,304,326	72,695	2.20	(17,965)	54,710	1.68
1145L LICENCE RENEWAL		2111	50-SQ	0						2.00 %**
1145P A/C ELECTRICAL POWER SYSTEMS		2111	50-R3	(10)	6,771,761	148,979	2.20	(10,563)	138,416	2.04
1145Q INSTRUMENTATION, CONTROL AND D/C SYSTEMS		2111	23-L2	(10)	12,001,279	574,261	4.78	(81,473)	492,788	4.11
1145R AUXILIARY STATION PROCESSES		2111	40-R2.5	(10)	15,361,985	422,455	2.75	(47,109)	375,347	2.44
1145X SUPPORT BUILDINGS		2111	65-R3	(10)	3,908,404	66,208	1.69	(9,217)	56,991	1.46
1145W SUPPORT BUILDING RENOVATIONS		2111	20-SQ	(10)						5.50 %**
TOTAL KETTLE					346,828,362	5,002,027	1.44	(568,166)	4,433,861	1.28

SCHEDULE 1. ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENTS, ORIGINAL COST AND ANNUAL ACCRUALS FOR THE TWELVE MONTHS ENDED MARCH 31, 2010 (USE OF THE ASL PROCEDURE)

ACCOUNT	DEPRECIABLE WORK (1)	LIFE SPAN DATE	SURVIVOR CURVE (2)	NET SALVAGE (3)	SURVIVING ORIGINAL COST AS OF MARCH 31, 2010 (4)	CALCULATED ANNUAL ACCRUAL AMOUNT (5)	RATE (%) (6)=(5)/(4)	ANNUAL PROVISION FOR TRUE-UP (7)	TOTAL DEPRECIATION EXPENSE (8)=(5)+(7)	RATE (%) (9)=(8)/(4)
11500 LAURIE RIVER										
1150A	DAMS, DYKES AND WEIRS	2032	125-R4	(10)	355,538	8,898	2.50	3,446	12,344	3.47
1150B	POWERHOUSE	2032	125-R4	(10)	7,864,146	289,315	3.77	36,468	325,771	4.25
1150C	POWERHOUSE RENOVATIONS	2032	25-SQ	(10)						5.00 **
1150D	SPILLWAY	2032	75-R2	(10)	870,000	26,605	3.06	7,180	33,785	3.88
1150E	WATER CONTROL SYSTEMS	2032	50-S4	(10)	468,033	14,062	3.07	3,543	17,605	3.84
1150F	ROADS AND SITE IMPROVEMENTS	2032	50-R3	(10)	1,441,914	45,615	3.16	12,143	57,758	4.01
1150G	TURBINES AND GENERATORS	2032	65-S3	(10)	4,603,136	191,600	4.16	15,121	206,721	4.49
1150H	GOVERNORS AND EXCITATION SYSTEM	2032	50-R4	(10)	882,653	39,660	4.49	1,827	41,487	4.70
1150L	LICENCE RENEWAL	2032	50-SQ	0						4.55 **
1150P	A/C ELECTRICAL POWER SYSTEMS	2032	50-R3	(10)	1,441,945	48,391	3.36	10,498	58,889	4.08
1150Q	INSTRUMENTATION, CONTROL AND DIC SYSTEMS	2032	23-L2	(10)	1,220,047	60,217	4.94	27,960	88,177	7.23
1150R	AUXILIARY STATION PROCESSES	2032	40-R2.5	(10)	308,504	10,635	3.45	2,623	13,258	4.30
1150X	SUPPORT BUILDINGS	2032	65-R3	(10)	355,919	10,178	2.86	3,181	13,360	3.75
1150W	SUPPORT BUILDING RENOVATIONS	2032	20-SQ	(10)						5.50 **
	TOTAL LAURIE RIVER				19,601,835	745,177	3.80	123,978	869,155	4.43
11550 JENEPG										
1155A	DAMS, DYKES AND WEIRS	2118	125-R4	(10)	15,285,318	142,827	0.93	(1,830)	140,997	0.92
1155B	POWERHOUSE	2118	125-R4	(10)	76,905,294	696,306	0.91	(12,006)	684,300	0.89
1155C	POWERHOUSE RENOVATIONS	2118	25-SQ	(10)						4.40 **
1155D	SPILLWAY	2118	75-R2	(10)	14,942,733	218,620	1.46	(6,081)	212,539	1.42
1155E	WATER CONTROL SYSTEMS	2118	50-S4	(10)	16,782,099	368,766	2.20	(30,152)	338,614	2.02
1155F	ROADS AND SITE IMPROVEMENTS	2118	50-R3	(10)	1,563,205	34,391	2.20	(1,238)	33,153	2.12
1155G	TURBINES AND GENERATORS	2118	65-S3	(10)	79,641,550	1,348,128	1.69	(50,285)	1,298,843	1.63
1155H	GOVERNORS AND EXCITATION SYSTEM	2118	50-R4	(10)						2.20 *
1155L	LICENCE RENEWAL	2118	50-SQ	0						2.00 **
1155P	A/C ELECTRICAL POWER SYSTEMS	2118	50-R3	(10)	19,308,049	424,777	2.20	(28,106)	396,671	2.05
1155Q	INSTRUMENTATION, CONTROL AND DIC SYSTEMS	2118	23-L2	(10)	3,943,800	160,001	4.79	(8,517)	151,484	4.63
1155R	AUXILIARY STATION PROCESSES	2118	40-R2.5	(10)	9,786,258	289,397	2.75	(9,392)	281,005	2.86
1155X	SUPPORT BUILDINGS	2118	65-R3	(10)	7,885,397	133,579	1.69	(2,282)	131,297	1.67
1155W	SUPPORT BUILDING RENOVATIONS	2118	20-SQ	(10)						5.50 **
	TOTAL JENEPG				245,443,703	3,797,792	1.55	(148,888)	3,648,903	1.49
11600 LAKE WINNIPEG REGULATION										
1160A	DAMS, DYKES AND WEIRS		125-R4	(10)	96,807,065	851,902	0.88	(62,478)	789,424	0.82
1160L	LICENCE RENEWAL		50-SQ	0						2.00 **
1160Z	COMMUNITY DEVELOPMENT COSTS		100-SQ	0	387,802,871	3,878,029	1.00	(223,323)	3,654,706	0.94 **
	TOTAL LAKE WINNIPEG REGULATION				484,609,937	4,729,931	0.98	(285,800)	4,444,131	0.92
11650 CHURCHILL RIVER DIVERSION										
1165A	DAMS, DYKES AND WEIRS		125-R4	(10)	114,716,213	1,009,520	0.88	976	1,010,496	0.88
1165D	SPILLWAY		75-R2	(10)	56,442,246	825,750	1.46	1,355	827,105	1.47
1165E	WATER CONTROL SYSTEMS		50-S4	(10)	17,583,551	386,838	2.20	1,954	388,792	2.21
1165F	ROADS AND SITE IMPROVEMENTS		50-R3	(10)	6,798,023	149,578	2.20	578	150,156	2.21
1165L	LICENCE RENEWAL		50-SQ	0						2.00 **
1165P	A/C ELECTRICAL POWER SYSTEMS		50-R3	(10)	1,586,593	35,125	2.20	136	35,261	2.21
1165Q	INSTRUMENTATION, CONTROL AND DIC SYSTEMS		23-L2	(10)	1,417,862	67,845	4.79	479	68,324	4.82
1165R	AUXILIARY STATION PROCESSES		40-R2.5	(10)	1,798,312	49,481	2.75	43	49,524	2.75
1165X	SUPPORT BUILDINGS		65-R3	(10)	28,361	480	1.69	0	480	1.69
1165W	SUPPORT BUILDING RENOVATIONS		20-SQ	(10)						5.50 **
1165Z	COMMUNITY DEVELOPMENT COSTS		100-SQ	0	305,036,524	3,050,366	1.00	(228,014)	2,822,351	0.93 **
	TOTAL CHURCHILL RIVER DIVERSION				505,421,684	5,574,982	1.10	(222,493)	5,352,489	1.06

SCHEDULE 1. ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENTS, ORIGINAL COST AND ANNUAL ACCRUALS
FOR THE TWELVE MONTHS ENDED MARCH 31, 2010
(USE OF THE ASL PROCEDURE)

ACCOUNT	DEPRECIABLE WORK (1)	LIFE SPAN DATE	SURVIVOR CURVE (2)	NET SALVAGE (3)	SURVIVING ORIGINAL COST AS OF MARCH 31, 2010 (4)	CALCULATED ANNUAL ACCRUAL AMOUNT (5)	ANNUAL ACCRUAL RATE (%) (6)=(5)/(4)	ANNUAL PROVISION FOR TRUE-UP (7)	TOTAL DEPRECIATION EXPENSE (8)=(5)+(7)	TOTAL DEPRECIATION RATE (%) (9)=(8)/(4)
11700	LONG SPRUCE									
1170A	DAMS, DYKES AND WEIRS	2118	125-R4	(10)	64,744,494	592,929	0.92	(8,709)	68,453,403	0.90
1170B	POWERHOUSE	2118	125-R4	(10)	143,780,355	1,317,441	0.92	(19,381)	1,457,221,736	0.90
1170C	POWERHOUSE RENOVATIONS	2118	25-SQ	(10)						4.40 %**
1170D	SPILLWAY	2118	75-R2	(10)	42,273,817	618,463	1.46	(14,770)	603,693	1.43
1170E	WATER CONTROL SYSTEMS	2118	50-S4	(10)	57,946,281	1,274,818	2.20	(92,134)	1,182,684	2.04
1170F	ROADS AND SITE IMPROVEMENTS	2118	50-R3	(10)	1,172,887	25,803	2.20	(1,173)	24,630	2.10
1170G	TURBINES AND GENERATORS	2118	65-S3	(10)	143,328,643	2,427,987	1.69	(93,123)	2,334,864	1.63
1170H	GOVERNORS AND EXCITATION SYSTEM	2118	50-R4	(10)	145,844	3,209	2.20	(21)	3,188	2.19
1170I	LICENCE RENEWAL	2118	50-SQ	0						2.00 %**
1170P	A/C ELECTRICAL POWER SYSTEMS	2118	50-R3	(10)	30,503,528	671,078	2.20	(32,833)	638,245	2.09
1170Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS	2118	23-L2	(10)	4,409,200	210,960	4.78	(18,309)	192,651	4.37
1170R	AUXILIARY STATION PROCESSES	2118	40-R2.5	(10)	12,199,119	335,476	2.75	(14,985)	320,491	2.63
1170X	SUPPORT BUILDINGS	2118	65-R3	(10)	180,484	2,719	1.69	(13)	2,706	1.69
1170W	SUPPORT BUILDING RENOVATIONS	2118	20-SQ	(10)						5.50 %**
	TOTAL LONG SPRUCE				560,864,431	7,480,903	1.49	(295,451)	7,185,452	1.44
11750	LIMESTONE									
1175A	DAMS, DYKES AND WEIRS	2131	125-R4	(10)	33,258,073	302,205	0.91	(1,269)	300,936	0.90
1175B	POWERHOUSE	2131	125-R4	(10)	461,430,334	4,194,364	0.91	(17,501)	4,176,863	0.91
1175C	POWERHOUSE RENOVATIONS	2131	25-SQ	(10)						4.40 %**
1175D	SPILLWAY	2131	75-R2	(10)	201,240,773	2,944,153	1.46	(18,950)	2,925,203	1.45
1175E	WATER CONTROL SYSTEMS	2131	50-S4	(10)	116,224,992	2,556,937	2.20	(35,306)	2,521,631	2.17
1175F	ROADS AND SITE IMPROVEMENTS	2131	50-R3	(10)	17,164,432	377,618	2.20	(4,776)	372,840	2.17
1175G	TURBINES AND GENERATORS	2131	65-S3	(10)	403,825,745	6,840,808	1.69	(63,305)	6,777,503	1.68
1175H	GOVERNORS AND EXCITATION SYSTEM	2131	50-R4	(10)	16,584,271	364,854	2.20	(4,880)	359,974	2.17
1175I	LICENCE RENEWAL	2131	50-SQ	0						2.00 %**
1175P	A/C ELECTRICAL POWER SYSTEMS	2131	50-R3	(10)	144,317,307	3,174,981	2.20	(40,184)	3,134,797	2.17
1175Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS	2131	23-L2	(10)	8,333,373	388,752	4.79	(9,553)	389,199	4.67
1175R	AUXILIARY STATION PROCESSES	2131	40-R2.5	(10)	36,054,205	981,491	2.75	(14,354)	977,137	2.71
1175X	SUPPORT BUILDINGS	2131	65-R3	(10)	5,703,494	96,617	1.69	(751)	95,866	1.68
1175W	SUPPORT BUILDING RENOVATIONS	2131	20-SQ	(10)						5.50 %**
	TOTAL LIMESTONE				1,444,136,339	22,242,770	1.54	(210,830)	22,031,940	1.53
11800	WUSKWATIM									
1180A	DAMS, DYKES AND WEIRS	2152	125-R4	(10)						0.86 *
1180B	POWERHOUSE	2152	125-R4	(10)						0.88 *
1180C	POWERHOUSE RENOVATIONS	2152	25-SQ	(10)						4.40 %**
1180D	SPILLWAY	2152	75-R2	(10)						1.47 *
1180E	WATER CONTROL SYSTEMS	2152	50-S4	(10)						2.20 *
1180F	ROADS AND SITE IMPROVEMENTS	2152	50-R3	(10)						2.20 *
1180G	TURBINES AND GENERATORS	2152	65-S3	(10)						1.69 *
1180H	GOVERNORS AND EXCITATION SYSTEM	2152	50-R4	(10)						2.20 *
1180P	A/C ELECTRICAL POWER SYSTEMS	2152	50-R3	(10)						2.20 *
1180Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS	2152	23-L2	(10)						4.78 *
1180R	AUXILIARY STATION PROCESSES	2152	40-R2.5	(10)						2.75 *
1180X	SUPPORT BUILDINGS	2152	65-R3	(10)						1.69 *
1180W	SUPPORT BUILDING RENOVATIONS	2152	20-SQ	(10)						5.50 %**
	TOTAL WUSKWATIM				0	0	0	0	0	0
11900	INFRASTRUCTURE SUPPORTING GENERATION									
1190F	PROVINCIAL ROADS	(10)	50-R3	(10)	25,380,938	568,381	2.20	24,833	593,214	2.30
1190V	TOWN SITE BUILDING	(7)	65-L3	(7)	1,042,740	1,042,740	1.65	41,341	1,084,081	1.71
1190W	TOWN SITE BUILDINGS RENOVATIONS	(6)	20-SQ	(6)	13,502,581	715,319	5.30	87,367	802,686	5.94 **
1190Y	TOWN SITE OTHER INFRASTRUCTURE	(10)	45-R3	(10)	26,527,484	646,258	2.44	14,107	660,365	2.49
	TOTAL INFRASTRUCTURE SUPPORTING GENERATION				128,891,696	2,962,698	2.30	167,648	3,130,346	2.43
11950	TOTAL HYDRAULIC GENERATION				4,716,467,183	72,502,866	1.54	(2,920,113)	69,582,773	1.48

SCHEDULE 1. ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENTS, ORIGINAL COST AND ANNUAL ACCRUALS FOR THE TWELVE MONTHS ENDED MARCH 31, 2010 (USE OF THE ASL PROCEDURE)

ACCOUNT	DEPRECIABLE WORK (1)	LIFE SPAN DATE	SURVIVOR CURVE (2)	NET SALVAGE (3)	SURVIVING ORIGINAL COST AS OF MARCH 31, 2010 (4)	CALCULATED ANNUAL ACCRUAL AMOUNT (5)	ANNUAL ACCRUAL RATE (%) (6)=(5)/(4)	ANNUAL PROVISION FOR TRUE-UP (7)	TOTAL DEPRECIATION EXPENSE (8)=(5)+(7)	ANNUAL ACCRUAL RATE (%) (9)=(8)/(6)
12000	THERMAL GENERATION									
12050	BRANDON UNIT 5 (COAL)									
1205B	POWERHOUSE	2020	65-R4	0	11,729,518	426,044	3.63	27,804	453,848	3.87
1205C	POWERHOUSE RENOVATIONS	2020	25-SQ	0						10.00 %**
1205E	ROADS AND SITE IMPROVEMENTS	2020	50-R3	0	4,012,331	174,507	4.35	8,310	182,817	4.56
1205G	THERMAL TURBINES AND GENERATORS	2020	50-S3	0	19,811,168	948,751	4.84	37,117	986,868	5.03
1205H	GOVERNORS AND EXCITATION SYSTEM	2020	50-R4	0	2,343,861	114,616	4.89	4,246	118,861	5.07
1205J	STEAM GENERATOR AND AUXILIARIES	2020	65-R2.5	0	14,827,183	548,058	3.70	34,152	582,210	3.93
1205L	LICENCE RENEWAL	2020	50-SQ	0				0		10.00 %**
1205P	A/C ELECTRICAL POWER SYSTEMS	2020	50-R3	0	8,009,703	305,876	3.82	18,931	324,807	4.06
1205Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS	2020	23-L2	0	26,389,775	1,343,471	5.09	85,022	1,428,493	5.41
1205R	AUXILIARY STATION PROCESSES	2020	40-R2.5	0	47,306,417	2,102,919	4.45	105,137	2,208,056	4.67
1205X	SUPPORT BUILDINGS	2020	65-R3	0	7,253,889	282,642	4.03	15,562	308,204	4.25
1205W	SUPPORT BUILDING RENOVATIONS	2020	20-SQ	0						10.00 %**
	TOTAL BRANDON UNIT 5 (COAL)				141,483,855	6,257,883	4.42	336,081	6,593,964	4.66
12100	BRANDON UNITS 6 AND 7									
1210B	POWERHOUSE		65-R4	(10)	14,925,029	252,830	1.69	(6,757)	246,073	1.65
1210C	POWERHOUSE RENOVATIONS		25-SQ	(10)						4.40 %**
1210G	THERMAL TURBINES AND GENERATORS		50-S3	(10)	9,823,758	216,123	2.20	(7,827)	208,296	2.12
1210H	GOVERNORS AND EXCITATION SYSTEM		50-R4	(10)						2.20 *
1210K	COMBUSTION TURBINE		25-R3	(10)	143,284,091	6,304,500	4.40	(494,364)	5,810,136	4.05
1210L	LICENCE RENEWAL		50-SQ	0				0		2.00 %**
1210M	COMBUSTION TURBINE OVERHAULS		10-SQ	(10)	6,252,586	137,557	2.20	(4,779)	132,778	11.00 %**
1210P	A/C ELECTRICAL POWER SYSTEMS		50-R3	(10)	1,114,338	53,321	4.78	(2,322)	50,999	2.12
1210Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS		23-L2	(10)	10,639,560	282,588	2.75	(12,177)	280,411	4.58
1210R	AUXILIARY STATION PROCESSES		40-R2.5	(10)						2.84
	TOTAL BRANDON UNITS 6 AND 7				186,039,362	7,256,919	3.90	(628,226)	6,728,693	3.82
12150	SELKIRK									
1215B	POWERHOUSE		65-R4	0	6,808,812	104,856	1.54	(41,751)	63,105	0.93
1215C	POWERHOUSE RENOVATIONS		25-SQ	0						4.00 %**
1215F	ROADS AND SITE IMPROVEMENTS		50-R3	0	1,630,443	32,609	2.00	(10,650)	21,959	1.35
1215G	THERMAL TURBINES AND GENERATORS		50-S3	0	22,750,003	455,000	2.00	(123,633)	331,367	1.46
1215H	GOVERNORS AND EXCITATION SYSTEM		50-R4	0	17,307	346	2.00	0	346	2.00
1215J	STEAM GENERATOR AND AUXILIARIES		65-R2.5	0	48,630,259	748,905	1.54	(97,831)	651,075	1.34
1215L	LICENCE RENEWAL		50-SQ	0				0		2.00 %**
1215P	A/C ELECTRICAL POWER SYSTEMS		50-R3	0	3,171,700	63,434	2.00	(25,163)	38,281	1.21
1215Q	INSTRUMENTATION, CONTROL AND D/C SYSTEMS		23-L2	0	6,267,468	228,700	4.35	(101,900)	126,900	2.41
1215R	AUXILIARY STATION PROCESSES		40-R2.5	0	13,791,022	344,776	2.50	(118,947)	225,829	1.64
1215X	SUPPORT BUILDINGS		65-R3	0	1,033,229	15,912	1.54	(4,951)	10,961	1.06
1215W	SUPPORT BUILDING RENOVATIONS		20-SQ	0						5.00 %**
	TOTAL SELKIRK				103,090,244	1,994,539	1.93	(624,716)	1,469,823	1.43
	TOTAL THERMAL GENERATION				430,613,460	15,509,341	3.60	(716,861)	14,792,480	3.44
	TOTAL GENERATION				5,147,060,643	88,012,227	1.71	(3,636,974)	84,375,263	1.64
1300B	DIESEL GENERATION									
1300C	BUILDINGS		30-R3	(5)	9,191,362	321,376	3.50	(85,396)	235,980	2.57
1300M	BUILDING RENOVATIONS		15-SQ	0	17,885	1,180	6.67	(271)	909	5.14 **
1300N	ENGINES AND GENERATORS - OVERHAULS		5-SQ	0						20.00 %**
1300Q	ENGINES AND GENERATORS		25-R2	0	18,152,912	726,116	4.00	(385,026)	341,090	1.88
1300Q	ACCESSORY STATION EQUIPMENT		20-R3	(5)	13,457,225	706,504	5.25	(293,123)	413,381	3.07
1300T	FUEL STORAGE AND HANDLING		30-R2	(5)	3,803,695	132,986	3.50	(46,327)	86,669	2.28
	TOTAL DIESEL GENERATION				44,622,878	1,888,472	4.23	(810,143)	1,078,029	2.42

SCHEDULE 1. ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENTS, ORIGINAL COST AND ANNUAL ACCRUALS FOR THE TWELVE MONTHS ENDED MARCH 31, 2010 (USE OF THE ASL PROCEDURE)

ACCOUNT	DEPRECIABLE WORK (1)	LIFE SPAN DATE	SURVIVOR CURVE (2)	NET SALVAGE (3)	SURVIVING ORIGINAL COST AS OF MARCH 31, 2010 (4)	CALCULATED ANNUAL ACCRUAL AMOUNT (5)	ANNUAL ACCRUAL RATE (%) (6)=(5)/(4)	PROVISION FOR TRUE-UP (7)	TOTAL DEPRECIATION (8)=(5)+(7)	ANNUAL DEPRECIATION RATE (%) (9)=(8)/(4)
TRANSMISSION										
2000F	ROADS, TRAILS AND BRIDGES		45-R2.5	(10)	4,045,718	96,675	2.44	2,845	101,520	2.51
2000G	METAL TOWERS AND CONCRETE POLES		85-R4	(25)	340,022,220	5,015,328	1.48	102,289	5,117,617	1.51
2000H	POLES AND FIXTURES		55-R3	(35)	104,983,312	2,579,440	2.46	32,383	2,611,823	2.49
2000K	GROUND LINE TREATMENT		10-SQ	0	1,410,002	141,000	10.00	0	141,000	10.00
2000L	OVERHEAD CONDUCTOR AND DEVICES		65-R4	(15)	304,577,152	5,390,077	1.77	(450,334)	4,939,743	1.62
2000M	UNDERGROUND CABLE AND DEVICES		45-R3	(5)	1,167,763	27,221	2.33	(1,127)	26,094	2.23
	TOTAL TRANSMISSION				756,206,167	13,251,741	1.75	(313,944)	12,937,797	1.71
SUBSTATIONS										
3000B	BUILDINGS		65-R4	(5)	109,481,690	1,770,481	1.62	(134,112)	1,636,369	1.49
3000C	BUILDING RENOVATIONS		20-SQ	0	32,047	1,602	5.00	0	1,602	5.00
3000F	ROADS, STEEL STRUCTURES AND CIVIL SITE WORK		50-R4	(10)	109,211,425	2,402,651	2.20	(109,645)	2,293,006	2.10
3000J	POLES AND FIXTURES		40-R2	(35)	7,810,315	293,598	3.37	(9,626)	253,972	3.25
3100R	POWER TRANSFORMERS		50-R2	(15)	287,449,387	6,611,336	2.30	(249,808)	6,361,528	2.21
3100S	OTHER TRANSFORMERS		35-R2	(15)	72,153,356	2,373,124	3.29	(146,970)	2,226,154	3.09
3100T	INTERRUPTING EQUIPMENT		45-R2	(15)	156,214,257	3,988,150	2.55	(220,981)	3,767,169	2.41
3100U	OTHER STATION EQUIPMENT		43-R2	(15)	503,404,372	13,488,405	2.68	(594,114)	12,794,291	2.54
3100V	ELECTRONIC EQUIPMENT AND BATTERIES		20-R2	(10)	151,238,104	7,871,119	5.20	(671,348)	7,199,771	4.76
3200M	SYNCHRONOUS CONDENSERS AND UNIT TRANSFORMERS		65-R2	(15)	111,737,981	1,978,880	1.77	(99,142)	1,879,738	1.68
3200N	SYNCHRONOUS CONDENSER OVERHAULS		15-R2	(15)	11,320,594	868,346	7.67	(26,912)	841,534	7.43
3200P	HVDC CONVERTER EQUIPMENT		25-R3	(15)	214,981,687	9,889,158	4.60	(999,716)	8,889,442	4.13
3200S	HVDC SERIALIZED EQUIPMENT		25-R2	(15)	646,219,985	29,726,119	4.60	(2,696,220)	27,029,899	4.18
3200U	HVDC ACCESSORY STATION EQUIPMENT		37-R4	(15)	56,177,090	1,713,249	3.11	(139,657)	1,573,592	2.85
3200V	HVDC ELECTRONIC EQUIPMENT AND BATTERIES		20-R2	(10)	10,401,893	572,104	5.50	(87,428)	484,676	4.96
	TOTAL SUBSTATIONS				2,446,844,172	83,518,322	3.41	(6,285,579)	77,232,743	3.16
DISTRIBUTION										
4000A	UNDERGROUND DUCT AND CONDUIT - CONCRETE		75-R4	(5)	63,964,331	1,516,031	2.37	(52,744)	1,463,287	2.29
4000C	UNDERGROUND DUCT - ROOF		50-R3	(5)	2,906,307	81,074	2.10	(455)	60,619	2.08
4000G	METAL TOWERS		50-R4	(25)	4,571,448	114,296	2.50	(23,451)	90,835	1.99
4000J	POLES AND FIXTURES		55-R3	(38)	566,174,558	14,220,040	2.51	(2,354,944)	11,865,096	2.10
4000K	GROUND LINE TREATMENT		10-SQ	0	33,145,019	3,175,787	9.58	0	3,175,787	9.58
4000L	OVERHEAD CONDUCTOR AND DEVICES		60-R2	(38)	813,820,471	14,146,107	2.30	(1,969,809)	12,176,298	1.98
4000M	UNDERGROUND CABLE AND DEVICES - 66 KV		70-R3	(5)	19,523,432	293,144	1.50	(5,164)	287,980	1.48
4000N	UNDERGROUND CABLE AND DEVICES - PRIMARY		60-R4	(5)	255,063,759	4,472,543	1.75	(172,361)	4,300,182	1.69
4000P	UNDERGROUND CABLE AND DEVICES - SECONDARY		45-R4	(5)	193,755,072	4,516,431	2.33	(225,377)	4,291,054	2.21
4000Q	SERIALIZED EQUIPMENT - OVERHEAD		35-R3	(15)	175,924,348	5,782,518	3.29	(759,709)	5,022,810	2.86
4000R	DSC - HIGH VOLTAGE TRANSFORMERS		50-R2	(15)	5,415,940	124,567	2.30	(6,204)	118,363	2.19
4000S	SERIALIZED EQUIPMENT - UNDERGROUND		40-R3	(15)	174,049,772	5,003,931	2.88	(439,888)	4,564,043	2.62
4000V	ELECTRONIC EQUIPMENT		10-SQ	0	123,228,795	5,744,926	4.66	(345,986)	5,398,940	4.38
4000W	SERVICES		30-R2	(40)	147,121,573	4,836,929	3.29	(962,891)	4,475,938	3.04
4000X	STREET LIGHTING		35-R3	(15)						
	TOTAL DISTRIBUTION				2,376,666,825	64,010,224	2.69	(6,715,984)	57,294,240	2.41
METERS										
4900V	METERS - ELECTRONIC		20-R1.5	0	16,111,185	805,559	5.00	176,517	982,076	6.10
4900Y	METERS - ANALOG		25-R3	0	22,469,156	858,893	3.82	2,183,720	3,042,613	13.54
4900Z	METERING TRANSFORMERS		40-R1.5	0	8,984,898	224,619	2.50	(27,381)	197,238	2.20
	TOTAL METERS				47,565,240	1,889,071	3.97	2,332,847	4,221,918	8.88

SCHEDULE 1. ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENTS, ORIGINAL COST AND ANNUAL ACCRUALS FOR THE TWELVE MONTHS ENDED MARCH 31, 2010 (USE OF THE ASL PROCEDURE)

ACCOUNT	DEPRECIABLE WORK (1)	LIFE SPAN DATE	SURVIVOR CURVE (2)	NET SALVAGE (3)	SURVIVING ORIGINAL COST AS OF MARCH 31, 2010 (4)	CALCULATED ANNUAL ACCRUAL AMOUNT (5)	RATE (%) (5)/(4)	ANNUAL PROVISION FOR TRUE-UP (7)	TOTAL DEPRECIATION EXPENSE (8)=(5)*(7)	RATE (%) (9)=(8)/(4)
COMMUNICATION										
5000B	BUILDINGS		65-R4	(5)	4,154,458	67,178	1.62	2,171	66,349	1.67
5000C	BUILDING RENOVATIONS		20-SQ	(5)	2,741,652	142,649	5.20	12,831	155,480	5.67 **
5000D	BUILDING - SYSTEM CONTROL CENTRE		65-R4	(5)	15,857,686	256,419	1.62	9,369	265,788	1.68
5000G	COMMUNICATION TOWERS		60-R2.5	(5)	8,733,929	153,149	1.75	5,543	158,662	1.82
5000H	FIBRE OPTIC AND METALLIC CABLE		35-R1.5	(4)	117,999,925	3,509,799	2.97	105,202	3,614,992	3.06
5000J	CARRIER EQUIPMENT		15-S0.5	(5)	119,230,804	8,341,929	7.00	819,002	9,160,931	7.68
5000K	OPERATIONAL IT EQUIPMENT		5-SQ	(5)	2,197,495	385,045	17.52	119,637	504,662	22.97 **
5000M	MOBILE RADIO, TELEPHONE AND VIDEO CONFERENCING		8-SQ	(5)	22,085,412	1,483,447	6.72	778,002	2,261,449	10.24 **
5000N	OPERATIONAL DATA NETWORK		8-SQ	(5)	8,530,264	1,119,597	13.12	82,774	1,202,371	14.10 **
5000R	POWER SYSTEM CONTROL		10-R2	(5)	7,738,280	647,840	8.37	215,478	863,318	11.16
	TOTAL COMMUNICATION				309,268,905	16,107,043	5.21	2,150,010	18,257,063	5.90
MOTOR VEHICLES										
6000E	PASSENGER VEHICLES		9-L2	20	1,304,413	115,836	8.89	28,779	144,715	11.09
6000F	LIGHT TRUCKS		10-L3	15	52,289,249	4,445,436	8.50	(337,385)	4,108,053	7.85
6000G	HEAVY TRUCKS		15-L2	10	61,004,014	3,662,071	6.00	(104,256)	3,557,815	5.83
6000H	CONSTRUCTION EQUIPMENT		15-L2	20	17,016,205	907,885	5.34	(10,557)	897,428	5.27
6000I	LARGE SOFT-TRACK EQUIPMENT		22-L2.5	15	13,148,265	508,432	3.87	54,308	562,740	4.28
6000J	TRAILERS		35-R3	25	15,986,331	343,063	2.14	(32,096)	310,967	1.94
6000K	MISCELLANEOUS VEHICLES		10-L1.5	15	5,724,654	486,596	8.50	(147,394)	339,202	5.93
	TOTAL MOTOR VEHICLES				166,491,131	10,469,519	6.29	(548,599)	9,920,920	5.96
BUILDINGS										
8000B	BUILDINGS - GENERAL		65-R4	(5)	88,787,107	1,434,342	1.62	(24,357)	1,409,985	1.59
8000C	BUILDING RENOVATIONS		20-SQ	(5)	46,779,508	2,385,884	5.10	955,245	3,341,129	7.14 **
8000D	BUILDING - 360 PORTAGE - CIVIL		100-R4	0	207,292,785	2,072,928	1.00	(3,463)	2,069,465	1.00
8000E	BUILDING - 360 PORTAGE - ELECTRO/MECHANICAL		45-R2	0	65,888,581	1,462,726	2.22	(4,971)	1,457,755	2.21
	TOTAL BUILDINGS				408,757,981	7,355,890	1.80	922,453	8,278,333	2.03
GENERAL EQUIPMENT										
9000H	TOOLS, SHOP AND GARAGE EQUIPMENT		15-SQ	0	78,461,637	5,233,405	6.67	842,696	6,076,101	7.74 **
9000K	COMPUTER EQUIPMENT		5-SQ	0	48,379,753	9,401,982	19.43	4,375,187	13,777,169	28.48 **
9000L	OFFICE FURNITURE AND EQUIPMENT		20-SQ	0	21,726,896	1,086,345	5.00	(41,021)	1,045,324	4.81 **
9000M	HOT WATER TANKS		6-SQ	0	4,511,783	197,108	4.37	759,615	956,723	21.20 **
	TOTAL GENERAL EQUIPMENT				153,080,275	15,918,840	10.40	5,936,477	21,855,317	14.28
EASEMENTS										
A100A	EASEMENTS		75-R3	0	50,612,345	673,144	1.33	(26,607)	646,337	1.28
	TOTAL EASEMENTS				50,612,345	673,144	1.33	(26,607)	646,337	1.28
COMPUTER SOFTWARE AND DEVELOPMENT										
A200G	COMPUTER DEVELOPMENT - MAJOR SYSTEMS		10-R3	0	100,880,015	10,098,002	10.00	(537,161)	9,560,841	9.47
A200H	COMPUTER DEVELOPMENT - SMALL SYSTEMS		10-SQ	0	42,827,902	4,282,760	10.00	4,282,760	4,282,760	10.00 **
A200J	COMPUTER SOFTWARE - GENERAL		5-SQ	0	5,076,404	1,002,927	19.76	146,167	1,002,927	19.76 **
A200K	COMPUTER SOFTWARE - COMMUNICATION/OPERATIONAL		5-SQ	0	3,639,540	360,800	9.91	417,942	508,967	13.93 **
A200L	OPERATIONAL SYSTEM MAJOR SOFTWARE - EMS/SCADA		6-R3	0	6,016,617	987,000	16.40	417,942	1,404,942	23.35
	TOTAL COMPUTER SOFTWARE AND DEVELOPMENT				158,540,378	16,731,489	10.55	26,948	16,758,437	10.57
	TOTAL DEPRECIABLE ASSETS				12,067,737,939	319,825,672	2.65	(6,969,295)	312,856,377	2.59

* The account has no balance as of March 31, 2010 and rate will be used on a go-forward basis for future additions.

** On amortized accounts any true-up of less than 10% is not considered significant.

*** True-up was deemed as not significant.

PART II. METHODS USED IN THE ESTIMATION OF DEPRECIATION

DEPRECIATION

Depreciation, in public utility regulation, is the loss in service value not restored by current maintenance, incurred in connection with the consumption or prospective retirement of utility plant in the course of service from causes which are known to be in current operation and against which the utility is not protected by insurance. Among causes to be given consideration are wear and tear, deterioration, action of the elements, inadequacy, obsolescence, changes in the art, changes in demand, and the requirements of public authorities.

Depreciation, as used in accounting, is a method of distributing fixed capital costs, less net salvage, over a period of time by allocating annual amounts to expense. Each annual amount of such depreciation expense is part of that year's total cost of providing electric utility service. Normally, the period of time over which the fixed capital cost is allocated to the cost of service is equal to the period of time over which an item renders service, that is, the item's service life. The most prevalent method of allocation is to distribute an equal amount of cost to each year of service life. This method is known as the straight-line method of depreciation.

The calculation of annual and accrued depreciation based on the straight line method requires the estimation of survivor curves and the selection of group depreciation procedures. These subjects are discussed in the sections that follow.

MANITOBA HYDRO

2012/13 & 2013/14 ELECTRIC GENERAL RATE APPLICATION

**MANITOBA INDUSTRIAL POWER USERS GROUP ("MIPUG") PRE-ASK
QUESTIONS OF MANITOBA HYDRO**

MIPUG/MH/PRE-ASK-5

Question:

Please confirm that the rates shown at page III-8 of the Gannett Fleming study are not correct for the first year of depreciating Wuskwatim once in-service under an ELG approach (they appear to be rates related to an ASL approach absent net salvage). If the rates shown are incorrect for the ELG approach, please provide the correct year 1 ELG depreciation rates for Wuskwatim.

ANSWER:

The following response was prepared by Gannett Fleming.

The referenced depreciation rates were calculated in accordance with the ASL procedure. The ELG procedure is dependent upon a vintage surviving cost distribution, with varying annual accrual rates applicable to each vintage. Given that the Wuskwatim generation plant was not yet in service and was expected to have large amounts of investment prior to the next depreciation study, and further given the precise amounts of investment by account and year were not known at the time, Gannett Fleming viewed that the use of an Average Service Life (ASL) depreciation rate would be reasonable for the period of time until the next depreciation study is completed.

Gannett Fleming understood that the Wuskwatim plant was expected to be placed into service prior to the next review of depreciation rates. Manitoba Hydro will require depreciation rates once the plant is in service, therefore depreciation rates for this plant were requested in this study. At the time of the next study, the plant will have been placed into service, and an appropriate depreciation rate will be calculated in accordance with the ELG procedure. However, for the 2010 Depreciation Study, given that the ELG procedure weights depreciation rates on the investment by vintage, Gannett Fleming views that use of a forecast depreciation rate based on the ASL procedure is appropriate for this account.

Furthermore, given the very long life estimates and Life Spans for the Wuskwatim plant, the variance in the accumulated depreciation account that will require adjustment over the remaining life of the facilities will not be material on an annual basis.

Notwithstanding the above, if the ELG procedure was to be used in the first year of service, the following depreciation rates would have been recommended:

Account 1180A – Dams, Dykes and Weirs	– 0.87%
Account 1180B – Powerhouse	– 0.87%
Account 1180C – Powerhouse Renovations	– 4.00%
Account 1180D – Spillway	– 2.06%
Account 1180E – Water Control Systems	– 2.07%
Account 1180F – Roads and Site Improvements	– 2.36%
Account 1180G – Turbines and Generators	– 1.65%
Account 1180H – Governors and Excitation Systems	– 2.13%
Account 1180P – A/C Electrical Power Systems	– 2.36%
Account 1180Q – Instrumentation, control and D/C Systems	– 5.50%
Account 1180R – Auxiliary Station Processes	– 3.33%
Account 1180X – Support Buildings	– 1.82%
Account 1180W – Support Building Renovations	– 5.00%

As a supplement to the above response, Manitoba Hydro has included the following table which provides a comparison between the depreciation rates proposed in the 2010 Depreciation Study and the ELG based depreciation rates provided by Gannett Fleming, Inc. in the above response:

Depreciation Rates Calculated Without Net Salvage:

<u>Account</u>	<u>Depreciable Work</u>	<u>ASL¹</u> <u>(%)</u>	<u>ELG</u> <u>(%)</u>
1180A	Dams, Dykes & Weirs	0.80	0.87
1180B	Powerhouse	0.80	0.87
1180C	Powerhouse Renovations	4.00	4.00
1180D	Spillway	1.33	2.06
1180E	Water Control Systems	2.00	2.07
1180F	Roads & Site Improvements	2.00	2.36
1180G	Turbines & Generators	1.54	1.65
1180H	Governors & Excitation System	2.00	2.13
1180P	A/C Electrical Power Systems	2.00	2.36
1180Q	Instrumentation, Control & D/C Systems	4.35	5.50
1180R	Auxiliary Station Processes	2.50	3.33
1180X	Support Buildings	1.54	1.82
1180W	Support Building Renovations	5.00	5.00

¹ Appendix 5.7 - 2010 Depreciation Study, page III-8

MIPUG/MH 1-16

Subject: Appendix 5.7 Depreciation Study re: Wuskwatim

- d) Please indicate if the values in IFF11-2 pages 31 and 32 for “non-controlling interest” would be affected by adoption of alternative depreciation rates as per part (a) above. If so, please provide the values for each approach.

ANSWER:

“Non-controlling interest” in IFF11-2 represents dividends paid under an assumed NCN preferred equity investment. A change to depreciation rates does not impact non-controlling interest under this assumption.

MIPUG/MH II-9

Subject: MIPUG/MH I-15(a), Gannett Fleming

- c) For each study in part (b) above, please indicate if the study is:
- i. intended to be compliant with IFRS;
 - ii. makes use of the ASL procedure, the ELG procedure, or some other procedure (please specify);
 - iii. includes net salvage in the depreciation rates or some other form of amortization over the useful life of the asset in question.

ANSWER:

The following response was prepared by Gannett Fleming.

Northwest Territories Power Corporation (NWTPC) – 2012 Study

- i. Study was prepared giving consideration to IFRS implementation issues
- ii. Study was prepared using the ASL procedure
- iii. Study includes net salvage within the depreciation calculations

Manitoba Hydro – 2010 Study

- i. Study was prepared giving consideration to IFRS implementation issues
- ii. Study was prepared using the ELG procedure
- iii. Study does not include net salvage within the depreciation calculations.

Yukon Energy Corporation – 2004 Study

- i. Study was prepared prior to IFRS
- ii. Study was prepared using the ASL procedure
- iii. Study includes net salvage within the depreciation calculations

The City of Red Deer Electric system – 2011 Study

- i. Study was not prepared giving consideration to IFRS
- ii. Study was prepared using the ELG procedure
- iii. Study includes net salvage within the depreciation calculations

British Columbia Transmission Corporation – 2005 Study

- i. Study was prepared prior to IFRS
- ii. Study was prepared using the ASL procedure
- iii. Study does not include net salvage within the depreciation calculations

BC Hydro – 2006 Study

- i. Study was prepared prior to IFRS
- ii. Study was prepared using the ASL procedure
- iii. Study does not include net salvage within the depreciation calculations

City of Lethbridge Electric System – 2008 Study

- i. Study was not prepared giving consideration to IFRS
- ii. Study was prepared using the ELG procedure
- iii. Study includes net salvage within the depreciation calculations

SaskPower – 2011 Study

- i. Current study was prepared giving consideration to IFRS implementation issues
- ii. Study was prepared using the ASL procedure
- iii. Study does not include net salvage within the depreciation calculations.

Quilliq Energy Corporation – 2011 Study

- i. Study was not prepared giving consideration to IFRS
- ii. Study was prepared using the ASL procedure
- iii. Study does not include net salvage within the depreciation calculations

CAC/MH I-47

Subject: Depreciation

Reference: Tab 4, Page 5 Lines 6 & 7

Preamble: Manitoba Hydro states "... partially offset by the change to the Equal Life Group methodology for calculating depreciation rates (as required with the transition to IFRS)."

- a) Provide specific cites in IFRS pronouncements that require the use of Equal Life Group methodology and provide a copy of the cited references, together with copies of the pages containing those cites.

ANSWER:

IAS 16 does not require that the Equal Life Group (ELG) method be used for determining depreciation rates as both the Average Service Life (ASL) and ELG method are acceptable methods for determining depreciation rates under IFRS.

The specific references from the IFRS pronouncements that MH considered regarding the change to the ELG methodology are as follows:

IFRS section IAS 16 Property, Plant & Equipment paragraphs:

- 50 The depreciable amount of an asset shall be allocated on a systematic basis over its useful life.
- 57 The useful life of an asset is defined in terms of the asset's expected utility to the entity. . . ., The estimation of the useful life of the asset is a matter of judgement based on the experience of the entity with similar assets.
- 60 The depreciation method used shall reflect the pattern in which the asset's future economic benefits are expected to be consumed by the entity.
- 68 The gain or loss arising from the de-recognition of an item of property, plant and equipment shall be included in profit and loss when the item is derecognized (unless IAS 17 requires otherwise on a sale and leaseback). Gains shall not be classified as revenue."

(Please note that MH is not in a position to provide copies of the pages containing the particular reference due to copyright laws.)

Under the ASL method, the depreciation rate is based on the average life of all assets within the overall component class. The calculation of the ELG depreciation rate is more robust and is based on the expected retirement pattern for similar asset groups within the overall asset component class. Rather than determining a depreciation rate using an overall average life of the entire asset component class, the ELG method breaks the larger class into sub-components groups with similar lives and factors the different service lives of the sub-components into the overall depreciation rate for the larger component class. As such, the ELG method provides a better matching of depreciation expense with the expected consumption of the asset, which complies with the requirements of IAS 16.

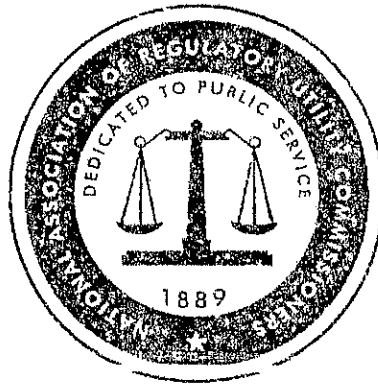
The IAS 16 requirement to recognize gains and losses on asset retirements immediately in net income is significantly different than the existing GAAP accounting practice that permits the recognition of annual gains and losses in accumulated depreciation. Differences in how depreciation rates are calculated under the ASL and ELG methods will influence the extent of annual asset retirement gains and losses that will be required to be recognized in net income under IFRS and will thus, influence the method to be chosen by an entity.

Since most assets are removed from service either before or after the average service life of the overall component class, it is expected that the extent of material gains and losses to be recognized in net income under IFRS would be higher when using the ASL method. The ELG calculated rate is expected to more accurately reflect the service life of the individual assets within the larger component class and thus, assets are more likely to be fully depreciated when they are removed from service under the ELG method; reducing any gain or loss.

The ELG method will minimize the amount of gains and losses recognized on retirement of assets, and will reduce net income volatility. As a result, the ELG method is the preferred approach for rate-regulated utilities as it is expected to promote rate stability for customers.

Public Utility Depreciation Practices

August 1996



National Association of
Regulatory Utility Commissioners
1101 Vermont Avenue, N.W., Suite 200
Washington, DC 20005

Price: \$60.00

Comparison of ELG and VG Procedures

In comparison with the VG procedure, the ELG procedure results in annual accruals that are higher during the early years of a vintage's life, thereby causing an increase in depreciation expense and revenue requirements during these years. In 1981, when the FCC began to permit use of ELG for new plant additions for the telephone industry, it chose a 3-year phase-in period to reduce the immediate impact on both depreciation expense and revenue requirements.

The difference between the two procedures is the timing of depreciation accruals. The VG procedure treats each unit as if its life is equal to the average-life of the group, where the group is all investment placed into service in a specific year (vintage) for a particular plant account. Using the ELG procedure, the investment in each vintage is further divided into subgroups. All of the property in a subgroup is expected to have the same life. For example, the items within a vintage which are expected to live one year are grouped together; the items expected to live two years are grouped together... In Table 12-7, three equally priced items of plant (A, B, and C) are placed in the vintage year and expected to live one, two, and three years, respectively. The average service life of the three units under the VG procedure is two years.

TABLE 12-7

<i>Unit</i>	<i>Expected Life</i>	<i>Life Weight</i>
<i>a</i>	<i>b (Years)</i>	<i>c = a + b</i>
<i>A</i>	<i>1</i>	<i>1</i>
<i>B</i>	<i>2</i>	<i>2</i>
<i>C</i>	<i>3</i>	<i>3</i>
<i>Average/Total</i>	<i>2</i>	<i>6</i>

Using the ELG procedure, item A which has a life of one year, will have a depreciation rate of 100%. Item B has a depreciation rate of 50% for each of two years and item C has a depreciation rate of 33.3% for each of three years. Under the VG procedure, the average-life of two years is used to develop the composite vintage depreciation rate of 50% which is used each year. Table 12-8 provides a comparison of the depreciation accruals under each procedure: