

Q. Reference: Volume II, Wood Pole Line Management Program - Various, Tab 11, Appendix A, page A-1

Please provide the service life estimates for transmission and distribution poles used in each of Hydro's depreciation studies completed since 2004. Please identify and describe any change in service life estimates from study to study.

A. Please refer to Table 1 for the service life estimates for transmission and distribution poles used in the depreciation studies completed since 2004.¹

Table 1: Service Life Estimates

Unit of Property		2005	2009	2011	2016	
					Deemed Rate	Whole Life
Transmission	P05: Pole Structures - Wood	1.59–3.39%	1.39–4.83%	3.03%	2.43%	1.75%
Distribution	P07: Poles - Wood	2.63–3.21%	1.73–4.14%	3.44%	2.42%	2.33%

Please refer to Table 2 for the summary of service life estimates² based upon the survivor curves from each depreciation study from 2005 to 2016.

Table 2: Survivor Curves – Service Life Estimates

Unit of Property	2005	2009	2011	2016
P05: Pole Structures – Wood	50-R3	46-R4	53-R4	57-R3
P07: Poles – Wood	35-R2	35-R3	37-R3	43-R1

The service life estimates for transmission and distribution poles are reasonably consistent through the 2005 to 2011 studies. Additional details regarding the history of account P05 and P07 are included in Newfoundland and Labrador Hydro's ("Hydro") response to NP-NLH-048,

¹ In the 2005 and 2009 depreciation studies there were 23 types of "Pole Structures – Wood" Unit of Property's ("UOP") ranging from 1.59% to 3.39% (2005) and 1.39% to 4.83% (2009). In addition, there were 9 "Poles – Wood" UOPs ranging from 2.63% to 3.21% (2005) and 1.73% to 4.14% (2009). Whereas, in the 2011 and 2016 depreciation study there was just one UOP for 'pole structures – wood' and one UOP for 'poles – wood'.

² The first number in the IOWA curve descriptor (i.e., 50 in the 50-R3 curve) represents the estimated service life of the asset.

1 Attachment 1 at pp.II-15 to II-17. Additional details regarding the analysis performed using
2 IOWA Curves is included in NP-NLH-048, Attachment 1, Appendix 2.

3
4 For P05: Pole Structures – Wood (wood poles ≥ 46 kV), updated data for the 2016 study
5 indicated that through the period of 1965 through 2015 the experiences included a widely
6 dispersed range of ages. The 2011 approved Iowa 53-R4 “. . . did not provide a good fit to the
7 observed data.”³ Concentric Advisors, the authors of the 2016 Depreciation Study prepared for
8 Hydro which is included as NP-NLH-048, Attachment 1, noted that the Iowa 57-R3 provided a
9 better fit to the observed data and recommended a new service life for P05 of 57 years. This is
10 described further in NP-NLH-048, Attachment 1, p. II-15.

11
12 Similarly, Concentric Advisors noted that for P07: Poles – Wood (wood poles ≤ 25 kV), updated
13 data for the 2016 study showed that the “. . . currently approved Iowa 37-R3 provided a poor fit
14 on the observed data.”⁴ IOWA 43-R1 was considered to be a more appropriate fit, providing a
15 P07 service life of 43 years. Further discussion is contained in to NP-NLH-048, Attachment 1 at p.
16 II-16.

³ NP-NLH-048, Attachment 1, p. II-16.

⁴ NP-NLH-048, Attachment 1, p. II-16.

NEWFOUNDLAND AND LABRADOR HYDRO
ST. JOHN'S, NEWFOUNDLAND

2016 DEPRECIATION STUDY
CALCULATED ANNUAL DEPRECIATION
ACCRUAL RATES APPLICABLE
TO PLANT IN SERVICE
AS OF DECEMBER 31, 2015

Revised: September 19, 2017

Prepared by:



Calgary. Alberta



September 15, 2017

Newfoundland and Labrador Hydro
Hydro Place, 500 Columbus Drive
P.O. Box 12400
St. John's, NL
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Attention: Mr. Michael Conway, CA, CPA
Manager Regulatory Finance

Ladies and Gentlemen:

Pursuant to your request, we have conducted a review and assessment of the electric generation, transmission and distribution systems of Newfoundland and Labrador Hydro ("NL Hydro") as of December 31, 2015. Our report presents a description of the methods used in the estimation of depreciation, the statistical analyses of service life and net salvage percentages and, the summary and detailed tabulations of annual and accrued depreciation.

We gratefully acknowledge the assistance of NL Hydro personnel in the completion of the review.

Respectfully submitted,

CONCENTRIC ADVISORS CANADA ULC

A handwritten signature in blue ink, appearing to read "LEK", is positioned above the name of the signatory.

LARRY E. KENNEDY
Vice President

LEK/
Project: 061170

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NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

EXECUTIVE SUMMARY

Pursuant to Newfoundland and Labrador Hydro's ("NL Hydro" or "Company") request, Concentric Advisors Canada ULC ("Concentric Advisors") conducted a depreciation study related to generation, transmission, distribution, and general plant accounts as of December 31, 2015.

Concentric Advisors is proposing changes from NL Hydro's last approved depreciation study. The first change is applicable to 2015 investment only. For all vintages up to and including 2014, depreciation rates are based on the straight line method using the Average Service Life (ASL) group procedure and applied on a remaining life basis consistent with the previous depreciation study. For current plant (i.e. 2015 vintage) the depreciation rates are based on the straight line method using the Equal Life Group (ELG) procedure and were applied on a remaining life basis. The calculations were based on attained ages and estimated average service life.

Secondly, this study makes provision for the recovery of the original cost of investment (net of anticipated gross salvage proceeds) and for the cost of removal¹ to be collected through depreciation expense, as compared to the current collection of cost of removal in the year of occurrence.

Third, to recognize the early and complete retirement of a large portion of the Holyrood Generating Station assets, the assets that are anticipated to be retired have been identified by NL Hydro and have been subjected to a truncation date of March 31, 2021. The truncation date results in a corresponding increase in each account's depreciation rate to reflect the complete recovery of the Holyrood assets that will be retired by the recommended truncation date of March 31, 2021. This change and results are shown in Table 1A and 1B.

Fourth, to recognize that NL Hydro utilizes deemed cost in its accounting systems for financial disclosure purposes, Concentric Advisors has developed deemed cost

¹ Does not include the expected costs of retirement that are included in Asset Retirement Obligation calculations

accrual rates for each depreciable account as shown on Tables 1A and 1B. For post 2015 additions Concentric Advisors recommends and has provided whole life accrual rates that do not reflect the booked depreciation deficiency or surplus position as of December 31, 2015. These deemed cost accrual rates will then ensure the accurate recovery of NL Hydro's deemed cost investment as of December 31, 2015.

Fifth, in this report Concentric Advisors recommends the conversion to a more traditional group accounting concept. This recommendation is in response to a PUB directive resulting from the last depreciation study and negotiated settlement application relating to the historical NL Hydro departure from the use of typical regulated group depreciation accounting. Concentric Advisors has prepared a report titled "Evidence of Larry E. Kennedy Related To The Conversion To Group Accounting Methods" which is attached as Appendix 1 to this report. This evidence discusses the issues and concepts related to Group Depreciation and provides a recommendation to convert to Group Depreciation accounting. Under Group Depreciation no gain or loss on disposal is recognized since the accumulated depreciation relates to the entire group rather than to specific assets within the group. This recommendation was used in the development of the depreciation rates that are determined in the Concentric Advisors Depreciation Study.

The effect of the proposed partial incorporation of the ELG procedure, the changes to the average service lives, the introduction of the recovery of cost of removal related to the final retirement of assets and the elimination of losses on retirements², when applied to 2015 original cost is an approximate \$0.8M increase in annual depreciation expense as detailed below.

	<u>Expense</u>	<u>Change</u>
Previous Parameters	\$60,623,582	
Life Parameter Change	\$56,736,099	-\$3,887,483
Net Salvage Change	\$64,912,188	\$8,176,089
ELG Change	\$66,402,637	\$1,490,449
Losses on Retirements ³		<u>-\$4,969,000</u>

² Includes costs associated with loss on retirement, disposal costs, and salvage proceeds that were previously charged to NL Hydro's income statement.

³ For the period 2012 to 2015.

Total Change

\$ 810,055

Concentric Advisors recommends the calculated annual depreciation accrual rates set forth herein as summarized by Tables 1A and 1B of the study by account detail. Supporting data and calculations are provided in Parts V and VI in the Supporting Documents.

PART I. INTRODUCTION



NEWFOUNDLAND AND LABRADO HYDRO
DEPRECIATION STUDY
PART I. INTRODUCTION

SCOPE

This report sets forth the results of the depreciation study for NL Hydro to determine the annual depreciation accrual rates and amounts for book purposes applicable to the original cost of NL Hydro's generation, transmission, distribution, and general plant assets as of December 31, 2015. The rates and amounts are based on the straight line remaining life method of depreciation. This report also describes the concepts, methods and judgments which underlie the recommended annual depreciation accrual rates related to the electric plant in service.

The service life and net salvage estimates resulting from the study were based on: consideration of current practice in the electric generation, transmission and distribution industry, including knowledge of service lives used for other electric utilities; a review of company practice and outlook as they relate to plant operation and retirement; a review of the company's upcoming capital and retirement projects; and informed professional judgment which incorporated analyses of historical plant retirement data as recorded through December 31, 2015.

PLAN OF REPORT

Part I. Introduction, contains statements with respect to the plan of the report, and the basis of the study. Part II. Development of Depreciation Parameters, presents descriptions of the methods used and factors considered in the service life and net salvage studies. Part III. Calculation of Annual and Accrued Depreciation presents the methods and procedures used in the calculation of depreciation. Part IV. Results of Study, presents summaries by depreciable group of annual and accrued depreciation. The Additional Evidence of Larry Kennedy Related to the Conversion to Group Accounting Methods is presented in Appendix 1. An overview of Iowa curves and the Retirement Rate Analysis are set forth in Appendix 2 of the report. Parts V and VI of this report are found in the Supporting Documents. Part V presents the results of the Retirement Rate

and Service Life Statistics and detailed tabulations of annual and accrued depreciation are presented in Part VI.

BASIS OF THE STUDY

Depreciation

As mentioned in the Executive Summary, Concentric Advisors is proposing a change in procedure for current plant from the ASL procedure to the ELG procedure. Concentric Advisors is proposing a gradual phased in approach to the ELG procedure which will result in a more accurate alignment of the depreciation expense to the consumption of the service value of the assets providing utility service. The Board of Commissioners of Public Utilities Board (the “Board”) has long accepted the better accuracy of ELG depreciation rates for Newfoundland Power. In the circumstances of Newfoundland Power, the Board first accepted ELG rates for new plant in their 1978 general rate hearing. Following the 1982 general rate hearing, the Board accepted that ELG rates would be used for all plant, and since 1983 the procedure has been in place for Newfoundland Power. Concentric Advisors recommends a similar gradual phased in process as described above in order to minimize the impact to current customers while implementing a change that will benefit future customers.

Other jurisdictions in Canada and the United States have also concluded that ELG procedure is the most appropriate depreciation procedure⁴. In the United States, more utilities use ASL, although ELG is still used in some states. However, in Canada the use of ELG is much more pronounced. The ELG procedure is widely accepted for depreciation rates in Canada, and is the long-standing practice of Newfoundland Power. Its use for more than three decades by Newfoundland Power provides a net benefit to current customers and the transition of NL Hydro to ELG provides a net benefit for future customers for NL Hydro as well.

The incorporation of ELG procedure in the depreciation rate calculation is in compliance with the International Financial Reporting Standards (IFRS) when using group

⁴ In Canada, this includes most utilities in Alberta and Saskatchewan, in addition to Gaz Metro and Yukon Electrical Company Limited

accounting methods. External Auditors have generally been very accepting of the group accounting process when the ELG procedure is used by utilities reporting under the IFRS. The acceptance is based on the better and proper matching of the depreciation expense to the consumption of service value of the assets with the ELG procedure. Both the ASL and ELG procedures will result in 100% recovery of original costs. However, the ASL procedure utilizes an averaging principle which under recovers the original cost on assets that retire prior to the average service life while over recovering the original cost on assets that retire after the average service life. This inherent assumption results in an under recovery during the early years of a fixed asset account (or UOP) compensated by an over recovery in the later years but still reflecting complete recovery over the fixed asset account's life. The ELG procedure, however, recognizes that some assets retire before and after the average service. By recognizing the actual physical life retirements through its inherent calculations, the ELG procedure more accurately reflects each asset's original cost recovery to its physical life.

To recognize the early and complete retirement of a large portion of the Holyrood Generating Station assets, the assets that are anticipated to be retired have been identified by NL Hydro and have been subjected to a truncation date of March 31, 2021. This represents a small update from the previous Depreciation study where a truncation date of 2020 was identified. The current truncation date results in a corresponding increase in each account's depreciation rate to reflect the complete recovery of the Holyrood assets that will be retired by the recommended truncation date of March 31, 2021. This change and results are shown in Table 1A and 1B.

For most accounts, the annual and accrued depreciation were calculated by the straight line method ASL procedure for all vintages up to and including 2014 and the straight line method ELG procedure for 2015 vintages. For certain General Plant accounts, the annual and accrued depreciation are based on amortization accounting. Amortization accounting is used for certain General Plant accounts because of the disproportionate plant accounting effort required to track small assets in these accounts. Many regulated utilities in North America have received approval to adopt amortization accounting for these accounts. All the calculations were based on original cost, attained ages, and estimates of service lives and salvage.

This study also recommends the incorporation of the anticipated cost of removal within the depreciation rate calculations. However, the cost of removal percentage recommendations were moderated to ensure continuity of the past practices of NL Hydro. NL Hydro policy is to capitalize site preparation costs to the new assets in replacement projects. NL Hydro has indicated that they will continue with this practice which results in a less cost of removal percentage as compared to a number of the industry peers including Newfoundland Power. The NL Hydro policy reflects the IFRS view that the replacement of an asset is dependent upon the removal of the existing asset and thus should be capitalized to the new replacement asset. However, if there are no replacement assets (i.e. meaning replacement in the exact same location), NL Hydro currently records the removal costs to an income statement account in the year occurred. This practice has required that the removal entries be forecast for all test periods which requires estimation and inclusion in the test year's revenue requirement. Given the current practices requirement to estimate forecast removal costs, there exists a potential of material over or under recovery of NL Hydro's net income. Therefore Concentric Advisors recommends that cost of removal be charged to accumulated depreciation. The inclusion of an allowance for cost of removal in this manner provides for the proper matching of expenses to revenues, without any double counting of the estimates in revenue requirement request. The recovery of cost of removal in the depreciation rates is widely accepted throughout North America⁵, including Newfoundland Power for many decades. Delaying collection until such costs are incurred results in a charge to customers for plant from which they did not receive service and, as a result of the delay in recovery, also results in higher revenue requirements related to cost of removal. The appropriateness and accuracy of including cost of removal into NL Hydro's rates should be reviewed during each depreciation study to ensure they reflect that the most up to date information has been incorporated into net salvage rate development.

Gross salvage (i.e. proceeds upon retirement) have been incorporated into the Life component of depreciation rates (i.e. Table 1A-Life) and cost of removal (i.e. removal

⁵ For example, Canadian jurisdictions such as Alberta, British Columbia, Saskatchewan, Manitoba, Ontario, Quebec, Northwest Territories, Nova Scotia, and many jurisdictions in the United States.

expenditures upon retirement) into the Cost of Removal component of depreciation rates (i.e. Table 1B-Cost of Removal). This delineation of gross salvage and cost of removal is consistent with financial disclosure requirements of IFRS.

Service Life and Cost of Removal Estimates

The service life and cost of removal estimates used in the depreciation and amortization calculations were based on informed professional judgment which incorporated a review of management's plans, policies and outlook, a general knowledge of the electric utility industry, and comparisons of the service life and cost of removal estimates from our studies of other electric utilities. The use of survivor curves to reflect the expected dispersion of retirement provides a consistent method of estimating depreciation for electric plant. Iowa type survivor curves were used to depict the estimated survivor curves for the plant accounts not subject to amortization accounting.

The procedure for estimating service lives consisted of compiling historical data for the plant accounts or depreciable groups, analyzing this history through the use of widely accepted techniques, and forecasting the survivor characteristics for each depreciable group on the basis of interpretations of the historical data analyses and the probable future, which included reviews of detailed upcoming project business cases and operational staff interviews. Additionally, detailed asset retirement information (where known) for upcoming retirement projects was incorporated into the data files for the analysis of average service life. The combination of the historical experience and the estimated future yielded estimated survivor curves from which the average service lives were derived.

The procedure for estimating cost of removal considered to a large extent the approved cost of removal parameters for Newfoundland Power's 2015 depreciation study. However, due to differing accounting policies related to cost of removal between NL Hydro and Newfoundland Power, adjustments to NL Hydro's recommended cost of removal were required. Since at least the early 1980's, Newfoundland Power charges all cost of removal to accumulated depreciation (in accordance with Newfoundland Power's financial disclosure under Canadian and USGAAP) whereas NL Hydro's policy is to capitalize cost of removal to the new assets in replacement projects (in accordance with the IFRS requirements) and NL Hydro has indicated that they will continue with this

practice. This reflects NL Hydro's view that the replacement of an asset is dependent upon the removal of the existing asset and thus should be capitalized to the new replacement asset. However, if there are no replacement assets (i.e. meaning replacement in the exact same location), then Concentric Advisors recommends that cost of removal will be charged to accumulated depreciation. The effect of this policy is a reduced cost of removal expectation as NL Hydro is capitalizing a portion of the removal costs. NL Hydro does not have account specific cost of removal results however corporate removal costs are available and have been provided for the past four years. To reflect this recent corporate cost of removal experience, Concentric Advisors has applied a reduced percentage to all cost of removal accounts accordingly.

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.

PART II. DEVELOPMENT OF DEPRECIATION PARAMETERS

PART II. DEVELOPMENT OF DEPRECIATION PARAMETERS

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, and 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 is described in the following sections of this report. The development of the proposed depreciation rates also requires the selection of group depreciation procedures, as discussed in Part III of this report.

ESTIMATION OF SURVIVOR CURVES

Survivor Curves

The use of an average service life for a property group implies that the various units in the group have different lives. Thus, the average life may be obtained by determining the separate lives of each of the units, or by constructing a survivor curve by plotting the number of units which survive at successive ages using the retirement rate method of analysis.

The range of survivor characteristics usually experienced by utility and industrial properties is encompassed by a system of generalized survivor curves known as the Iowa type curves. There are four families in the Iowa system, labeled in accordance with the location of the modes of the retirements in relationship to the average life and relative height of the modes. The left-moded curves are those in which the greatest frequency of retirement occurs to the left of, or prior to, average service life. The symmetrical-moded curves are those in which the greatest frequency of retirement occurs at average service life. The right-moded curves are those in which the greatest frequency occurs to the right of, or after, the average service life. The origin-moded curves are those in which the greatest frequency of retirement occurs at the origin, or immediately after age 0. The letter designation of each family of curves (L, S, R or O) represents the mode of the associated frequency curve with respect to the average service life. The numerical subscripts represent the relative heights of the modes of the frequency curves within each family.

A discussion of the general concept of survivor curves and retirement rate method is presented in Appendix 2 of this report.

Survivor Curve and Net Salvage Judgments

The survivor curve estimates were based on judgment which considered a number of factors. The primary factors were the statistical analysis of data; current policies and outlook as determined during conversations with management personnel, knowledge and review of upcoming capital projects, which included reviews of detailed upcoming project business cases and operational staff interviews. The average service life analysis also included a review of the impact of large retirements caused by forces of nature, and on the knowledge Concentric Advisors developed through the completion of numerous electric utility studies. Additionally, detailed asset retirement information (where known) for upcoming retirement projects was incorporated into the data files for the analysis of average service life in order to ensure that all known impacts of retirements could be considered.

NL Hydro has indicated that there is minimal historical net salvage data. As such, the initial estimates of net salvage were based on peer comparison and on the knowledge and experience of Concentric Advisors.

NL Hydro Accounts

Account B02 – Boiler System - The investment in Boiler System comprises 2.2% of the total depreciable plant. The investment in this account mainly consists of steam generator, boiler structure & boiler secondary super-heater. The currently approved average service life estimate is the Iowa 35-R3. The retirement rate analysis prepared in this study reviewed the plant installed over the period of 1968 through 2015 and the retirement experience covering the period of 1968 through 2015. Over this period this account has experienced \$11,281,692 of retirements over a widely sparse range of ages as summarized on the observed life table provided on pages V-12 and V-13 of this report. An analysis of the currently approved Iowa 35-R3 did not provide a good fit over the observed data. To better fit the data a five-year increase to the average service life was deemed appropriate. As shown on the fitted smooth curve on page V-11, an Iowa 40-R3 provides a better fit to the observed data. Discussions and review with NL Hydro representatives suggested that the recommended 40-R3 was reasonable for this account. Therefore, the current approved Iowa 40-R3 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has used its knowledge and experience, peer comparisons, knowledge of NL Hydro's capitalization and removal policies, and discussions with NL Hydro representatives to recommend negative 8 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 8 percent is a reasonable for this account. Based on the above, Concentric Advisors recommends negative 8 percent to best represent the future expectations for the equipment in this account.

Account B05 – Buildings - Other - The investment in Buildings - Other comprises 2.7% of the total depreciable plant. The investment in this account mainly consists of building structures and components including HVAC systems, security, etc. The currently approved average service life estimate is the Iowa 50-R0.5. The retirement rate analysis prepared in this study reviewed the plant over the period of 1965 through 2015. Over this period this account has experienced \$11,256,905 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-21 and V-22 of this report. As shown on the fitted smooth curve on page V-20, the currently approved Iowa 50-R0.5 provides a reasonable fit to the complete observed data. A peer

comparison of Canadian utilities produced a wide range from 20 to 70 years. Discussions and review with NL Hydro representatives suggested that the currently approved Iowa 50-R0.5 is a reasonable expectation for this account. Based on the above, the current approved Iowa 50-R0.5 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation of negative 30 percent for their Hydro Production Structures, negative 35 percent for their Diesel Structures, 0 percent for their Substation Structures, negative 5 percent for their Distribution Structures, and 5 percent and 15 percent for their small and large General Plant Structures respectively. Nova Scotia Power Inc. utilizes negative 5 percentage for their Distribution Structures and for their General Plant Structures. Newfoundland Power Inc. has a net salvage percentage of negative 10 percent for their Hydro Production Structures, negative 20% for their Diesel Structures, negative 15 percent for their Transmission Substation Structures, and negative 10 percent and 0 percent for their small and large buildings respectively. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 3 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 3 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 3 percent to best represent the future expectations for the equipment in this account.

Account B06 – Buildings - Metal - The investment in Buildings - Metal comprises 1.3% of the total depreciable plant. The investment in this account mainly consists of powerhouse and pump-house structures and components, and metal control buildings in stations. The currently approved average service life estimate is the Iowa 55-R3. The retirement rate analysis prepared in this study reviewed the plant over the period of 1965 through 2015. Over this period this account has experienced \$1,895,706 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-24 and V-25 of this report. As shown on the fitted smooth curve on page V-23, the currently approved Iowa 55-R3 still provides a reasonable fit to the complete observed data. A peer comparison of Canadian utilities produced a wide range from 20

to 70 years. Discussions and review with NL Hydro representatives suggested that the currently approved Iowa 55-R3 is a reasonable expectation for this account. Based on the above, the currently approved Iowa 55-R3 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation of 5 percent and 15 percent for their small and large buildings respectively. Nova Scotia Power Inc. utilizes negative 5 percentage. Newfoundland Power Inc. has a net salvage percentage of negative 10 percent and 0 percent for their small and large buildings respectively. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 3 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 3 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 3 percent to best represent the future expectations for the equipment in this account.

Account C09 – Circuit Breakers - The investment in Circuit Breakers comprises 1.5% of the total depreciable plant. The investment in this account mainly consists of breakers & upgrades, switches and switchgear. The currently approved average service life estimate is the Iowa 55-R3. The retirement rate analysis prepared in this study reviewed the plant over the period of 1965 through 2015. Over this period this account has experienced \$2,751,415 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-49 and V-50 of this report. A significant amount of retirements have occurred relatively early at ages 0.0 to 9.5. Concentric Advisors has placed less emphasis on this early retirement activity. An analysis of the currently approved Iowa 55-R3 did not provide a good fit over the observed data. As shown on the fitted smooth curve on page V-48, an Iowa 60-R2.5 provides an excellent fit to the observed data. Discussions and review with NL Hydro representatives agreed that the recommended Iowa 60-R2.5 is a reasonable expectation for this account. Based on the above, the current approved Iowa 60-R2.5 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has used its knowledge and experience, peer comparisons, knowledge of NL Hydro's capitalization and removal policies, and discussions with NL

Hydro representatives to recommend negative 8 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 8 percent is a reasonable for this account. Based on the above, Concentric Advisors recommends negative 8 percent to best represent the future expectations for the equipment in this account.

Account C13 – Conductor - Transmission - The investment in Conductor - Transmission account comprises 2.6% of the total depreciable plant. The investment in this account mainly consists of transmission conductor. The currently approved average service life estimate is the Iowa 60-R3. The retirement rate analysis prepared in this study reviewed the plant over the period of 1967 through 2015. Over this period this account has experienced \$3,158,000 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-58 and V-59 of this report. As shown on the fitted smooth curve on page V-57, the currently approved Iowa 60-R3 provides a good fit over the available observed data. A peer comparison of Canadian utilities produced a range from 45 to 80 years. Discussions and review with NL Hydro representatives indicated that while there are no major issues with conductor, the smaller communities are converting to electrical power sources so there is a need to upgrade conductor size. They also indicated that existing conductor is mainly bare but there is some coated conductor and that there are no salt water issues. NL Hydro representatives suggested that the current 60-R3 was reasonable for this account. Based on the above, the current approved Iowa 60-R3 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation of negative 25 percent. Nova Scotia Power Inc. utilizes negative 10 percentage for their Transmission Conductor. Newfoundland Power Inc. utilizes negative 35 percentage for their Transmission Conductor. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 20 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 20 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 20 percent to best represent the future expectations for the equipment in this account.

Account C14 – Conductor - Distribution - The investment in Conductor - Distribution comprises 1.3% of the total depreciable plant. The investment in this account mainly consists of distribution conductors at 25 kV and below including primary, secondary and service drop conductors. The currently approved average service life estimate is the Iowa 55-R3. The retirement rate analysis prepared in this study reviewed the plant over the period of 1971 through 2015. Over this period this account has experienced \$2,500,908 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-61 and V-62 of this report. An analysis of the currently approved Iowa 55-R3 did not provide a good fit to the observed data. As shown on the fitted smooth curve on page V-60, an Iowa 45-R3 provides an excellent fit over the available observed data. A peer comparison of Canadian utilities produced a wide range from 29 to 60 years. Discussions and review with NL Hydro representatives indicated that there are no major issues with conductor, the smaller communities are converting to electrical power sources so there is a need to upgrade conductor size. They also indicated that existing conductor is mainly bare but there is some coated conductor and that there are no salt water issues. NL Hydro representatives agreed that the recommended 45-R3 was reasonable for this account. Based on the above, the currently approved Iowa 45-R3 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation of negative 25 percent. Nova Scotia Power Inc. utilizes negative 15 percentage for their Distribution Conductor. Newfoundland Power Inc. utilizes a range of negative 25 percent to negative 35 percent for their Distribution Conductor. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 14 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 14 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 14 percent to best represent the future expectations for the equipment in this account.

Account C15 – Control, Meter, Relaying - The investment in Control, Meter, Relaying account comprises 1.1% of the total depreciable plant. The investment in this

account mainly consists of plant and turbine protection, control meter/relay including revenue metering, station controls and protection. The currently approved average service life estimate is the Iowa 30-R1. The retirement rate analysis prepared in this study reviewed the plant over the period of 1966 through 2015. Over this period this account has experienced \$2,594,863 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-64 and V-65 of this report. An analysis of the currently approved Iowa 30-R1 did not provide a good fit to the observed data. As shown on the fitted smooth curve on page V-63, a recommended Iowa 40-R2.5 provides a good fit to the observed data. Discussions and review with NL Hydro representatives suggested that the recommended Iowa 40-R2.5 is a reasonable expectation for this account. Based on the above, the currently approved Iowa 40-R2.5 is recommended to best represent the future expectations for the equipment in this account.

NL Hydro representatives have indicated that 0 percent is a reasonable net salvage expectation for this account. Based on these comments, Concentric Advisors recommends 0 percent to best represent the future expectations for the equipment in this account.

Account D01 – Dams, Dykes, Canals and Tunnels – The investment in Dams, Dykes, Canals and Tunnels is the largest account and comprises approximately 13.8% of the total depreciable plant. The investment in this account mainly consists of dams, dykes, canals, and tunnels. The currently approved average service life estimate is an Iowa 100-R4. The retirement experience has been very small and as such has not resulted in any reliable historical indications. As such, the average service life recommendations were based primarily on the comments received from the NL Hydro operational staff, and on the experience of Concentric Advisors. A peer comparison of Canadian utilities was conducted which indicated a range from 70 years to 125 years. Discussions and review with NL Hydro representatives indicated that an active condition assessment program along with routine surveillance is utilized. No large capital programs are forecasted other than for routine maintenance. There was also general agreement that a 110-year life was reasonable for this account. Based on these comments and on

the peer comparison of Canadian utilities, an Iowa 110-R4 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation of negative 30 percent with Nova Scotia Power Inc. utilizing a range for all Hydro accounts of negative 20 percentage to negative 445 percent with an investment weighted average of negative 69 percent. Newfoundland Power Inc. has a net salvage percentage of negative 25 percent. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 8 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 8 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 8 percent to best represent the future expectations for the equipment in this account.

Account D02 – Diesel Systems and Engines - The investment in Diesel Systems and Engines comprises 1.6% of the total depreciable plant. The investment in this account mainly consists of engines, generators, cooling systems, and switchgear. The currently approved average service life estimate is the Iowa 25-S0.5. The retirement rate analysis prepared in this study reviewed the plant over the period of 1965 through 2015. Over this period this account has experienced \$20,478,011 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-79 and V-80 of this report. An analysis of the currently approved Iowa 25-S0.5 did not provide a good fit over the observed data. As shown on the fitted smooth curve on page V-78, an Iowa 25-L0.5 provides an excellent fit over the observed data. Discussions and review with NL Hydro representatives indicated that the historical indications and recommended 25-L0.5 was reasonable for this account. Therefore, an Iowa 25-L0.5 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from two electric utilities. Northwest Territories Power Corporation has a recommendation of negative 25 percent and negative 5 percent for their Diesel Primer Movers and Generators respectively. Newfoundland Power Inc. has a net salvage percentage range of negative 20 percent to negative 65 percent for their Primer Movers and Generators. In

consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 11 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 11 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 11 percent to best represent the future expectations for the equipment in this account.

Account F06 – Fuel Systems - The investment in Fuel Systems comprises 1.6% of the total depreciable plant. The investment in this account mainly consists of fuel systems including storage tanks. The currently approved average service life estimate is the Iowa 50-R1.5. The retirement rate analysis prepared in this study reviewed the plant over the period of 1956 through 2015. Over this period this account has experienced \$4,654,704 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-109 and V-110 of this report. As shown on the fitted smooth curve on page V-108, an Iowa 50-R1.5 still provides a good fit over the observed data. Discussions and review with NL Hydro representatives indicated that the historical indications and recommended 50-R1.5 was reasonable for this account. Therefore, an Iowa 50-R1.5 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from two electric utilities. Northwest Territories Power Corporation has a recommendation of negative 75 percent. Newfoundland Power Inc. has a net salvage range of negative 20 percent to negative 65 percentage. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 11 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 11 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 11 percent to best represent the future expectations for the equipment in this account.

Account G01 – Gas Turbine Systems - The investment in Gas Turbine Systems comprises 2.6% of the total depreciable plant. The investment in this account mainly consists of turbine engine and generators. The currently approved average service life estimate is the Iowa 35-R4. The retirement rate analysis prepared in this study reviewed the plant over the period of 1968 through 2015. Over this period this account has

experienced \$5,403,986 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-112 and V-113 of this report. An analysis of the currently approved Iowa 35-R4 did not provide a good fit over the observed data. As shown on the fitted smooth curve on page V-111, an Iowa 45-R3 provides a good fit over the observed data. A peer comparison of Canadian utilities produced a range from 30 to 55 years. Discussions and review with NL Hydro representatives indicated that there are four Gas Turbines in NL Hydro's system. These turbines are mainly used for stand by and peaking purposes and that there has been little historical use and that this will likely continue in the near future. Discussions and review with NL Hydro representatives suggested that the current 35-year average service life appeared short and that the recommended 45-R3 was reasonable for this account. Therefore, the current approved Iowa 45-R3 is recommended to best represent the future expectations for the equipment in this account.

Newfoundland Power Inc. has a net salvage of negative 3 percent. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 2 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 2 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 2 percent to best represent the future expectations for the equipment in this account.

Account G03 – Generators - The investment in Generators comprises 4.0% of the total depreciable plant. The investment in this account mainly consists of the electric power generator and assembly including rotor, bearings and excitation systems. The currently approved average service life estimate is the Iowa 60-S4. The retirement rate analysis prepared in this study reviewed plant over the period of 1966 through 2015. Over this period this account has experienced \$2,804,759 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-118 and V-119 of this report. The currently approved Iowa 60-S4 did not fit the observed data as well as the Iowa 65-S3. A peer comparison of Canadian utilities indicated a range from 50 years to 70 years. Discussions and review with NL Hydro representatives suggested that the current 60-S4 appeared a little short and that an increase to a 65 year average service life was more reasonable for the equipment in this account. Based on

the above and the peer comparison of Canadian utilities, an Iowa 65-S3 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation of negative 15 percent with Nova Scotia Power Inc. utilizing a range for all Hydro accounts of negative 20 percentage to negative 445 with an investment average of negative 69 percent. Newfoundland Power Inc. has a net salvage percentage of negative 25 percent. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 8 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 8 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 8 percent to best represent the future expectations for the equipment in this account.

Account I03 – Insulators - The investment in Insulators comprises 1.6% of the total depreciable plant. The investment in this account mainly consists of insulators for transmission lines and stations. The currently approved average service life estimate is the Iowa 30-L3. The retirement rate analysis prepared in this study reviewed the plant over the period of 1966 through 2015. Over this period this account has experienced \$6,332,763 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-136 and V-137 of this report. An analysis of the currently approved Iowa 30-L3 did not provide a good fit over the observed data. As shown on the fitted smooth curve on page V-135, an Iowa 35-L3 provides an excellent fit over the observed data. A peer comparison of Canadian utilities produced a range from 31 to 37 years. Discussions and review with NL Hydro representatives indicated that porcelain and glass insulators are used in NL Hydro's system. They also viewed that the historical indications of a recommended 35-L3 was reasonable for this account. Therefore, an Iowa 35-L3 is recommended to best represent the future expectations for the equipment in this account.

NL Hydro representatives have indicated an expectation of 0 percent as a reasonable net salvage expectation for this account. Based on these comments, Concentric Advisors recommends 0 percent to best represent the future expectations for the equipment in this account.

Account M10 – Miscellaneous Units of Property - The investment in Miscellaneous Units of Property comprises 1.0% of the total depreciable plant. The investment in this account mainly consists of studies and assessments. The currently approved average service life estimate is the Iowa 20-R1. The retirement rate analysis prepared in this study reviewed the plant over the period of 1966 through 2015. Over this period this account has experienced \$3,507,943 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-176 and V-177 of this report. As shown on the fitted smooth curve on page V-175, a recommended Iowa 22-R1.5 provides a good fit to the observed data. Discussions and review with NL Hydro representatives suggested that the recommended Iowa 22-R1.5 is a reasonable expectation for this account. Based on the above, the current approved Iowa 22-R1.5 is recommended to best represent the future expectations for the equipment in this account.

NL Hydro representatives have indicated that 0 percent is a reasonable net salvage expectation for this account. Based on these comments, Concentric Advisors recommends 0 percent to best represent the future expectations for the equipment in this account.

Account P03 – Penstock - The investment in Penstock comprises 2.2% of the total depreciable plant. The investment in this account mainly consists of penstock. The currently approved average service life estimate is an Iowa 70-R4. The retirement experience has been very small and as such has not resulted in reliable historical indications. A peer comparison of Canadian utilities indicated a 60-year average service life. Discussions and review with NL Hydro representatives suggested that the current 70-R4 was reasonable for this account. Therefore, the currently approved Iowa 70-R4 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from two electric utilities. Nova Scotia Power Inc. utilizes a range for all Hydro accounts of negative 20 percentage to negative 445 with an investment average of negative 69 percent. Newfoundland Power Inc. has a net salvage percentage of negative 25 percent. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 8 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 8 percent is reasonable for this

account. Based on the above, Concentric Advisors recommends negative 8 percent to best represent the future expectations for the equipment in this account.

Account P04 – Pole Cribs and Pole Hardware - The investment in Pole Cribs and Pole Hardware comprises 4.5% of the total depreciable plant. The investment in this account mainly consists of pole cribs and pole hardware at the distribution level including cross arms, insulators, brackets, pole gains, and cut-outs/fuse assemblies. The currently approved average service life estimate is the Iowa 50-L2. The retirement rate analysis prepared in this study reviewed plant over the years 1966 through 2015. Over this period this account has experienced \$9,700,360 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-196 and V-197 of this report. The currently approved Iowa 50-L2 provided a good fit up to age 15, but does not fit to the ages afterwards. The Iowa 35-S2.5 provides a more appropriate fit to the complete observed data. A peer comparison of Canadian utilities produced a range from 31 to 85 years. Discussions and review with NL Hydro representatives suggested that the historical experience and the recommended Iowa 35-S2.5 is a reasonable expectation for this account. Based on the above and the peer comparison of Canadian utilities, the Iowa 35-S2.5 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized the net salvage recommendation of Account P05 of negative 20 percent. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 20 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 20 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 20 percent to best represent the future expectations for the equipment in this account.

Account P05 – Pole Structures - Wood - The investment in Pole Structures – Wood comprises 4.9% of the total depreciable plant. The investment in this account mainly consists of wood pole structures including inspection and refurbishment at the transmission level (46 kV and above). The currently approved average service life estimate is an Iowa 53-R4. The retirement rate analysis prepared in this study reviewed the plant installed over the period of 1960 through 2015 and the retirement experience

covering the period of 1965 through 2015. Over this period this account has experienced \$11,310,961 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-199 to V-200 of this report. The currently approved Iowa 53-R4 did not provide a good fit to the observed data. As shown on the fitted smooth curve on page V-198, the Iowa 57-R3 provides an excellent fit to the observed data. A peer comparison of Canadian utilities produced a range from 40 to 65 years. NL Hydro representatives suggested that the historical experience and resultant Iowa 57-R3 are reasonable expectations for this account. Based on the above, the Iowa 57-R3 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation of negative 25 percent. Nova Scotia Power Inc. utilizes negative 35 percentage. Newfoundland Power Inc. has a net salvage percentage of negative 35 percent. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 20 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 20 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 20 percent to best represent the future expectations for the equipment in this account.

Account P07 – Poles - Wood - The investment in Poles - Wood comprises 2.8% of the total depreciable plant. The investment in this account mainly consists of wood poles generally at the distribution level 25 kV and below. The currently approved average service life estimate is the Iowa 37-R3. The retirement rate analysis prepared in this study reviewed the plant over the period of 1967 through 2015. Over this period this account has experienced \$11,072,192 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-204 and V-205 of this report. The currently approved Iowa 37-R3 provided a poor fit on the observed data. A peer comparison of Canadian utilities produced a range from 38 to 65 years. NL Hydro representatives indicated that the historical life for this account appeared too short. They indicated that the purchase previously owned facilities and subsequent retirements (with an original vintage equal to the acquisition date) has resulted in a short average service

life. Based on this, it was agreed that a peer comparison of Canadian utilities, Iowa 43-R1 would be a more appropriate estimate. As such, the Iowa 43-R1 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation for their station equipment of negative 25 percent with Nova Scotia Power Inc. utilizing a negative 40 percent. Newfoundland Power Inc. has a net salvage percentage of negative 35 percent. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 20 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 20 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 20 percent to best represent the future expectations for the equipment in this account.

Account P10 – Powerhouse - The investment in Powerhouse comprises 3.9% of the total depreciable plant. The investment in this account mainly consists of powerhouse structures. The currently approved average service life estimate is an Iowa 75-R3. The retirement experience has been very small and as such has not resulted in any reliable historical indications. A peer comparison produced a life of 75 years. Discussions and review with NL Hydro representatives suggested that the current 75-R3 was reasonable for the equipment in this account. Based on the above and the peer comparison, an Iowa 75-R3 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation of negative 30 percent with Nova Scotia Power Inc. utilizing a range for all Hydro accounts of negative 20 percentage to negative 445 with an investment average for all their Hydro accounts of negative 69 percent. Newfoundland Power Inc. has a net salvage percentage of negative 10 percent. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 8 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 8 percent is reasonable for this account. Based on the above, Concentric Advisors recommends

negative 8 percent to best represent the future expectations for the equipment in this account.

Account R13 – Roads - The investment in Roads comprises 3.2% of the total depreciable plant. The investment in this account mainly consists of gravel and access roads. The currently approved average service life estimate is the Iowa 50-R4. The retirement experience has been very small and as such has not resulted in any reliable historical indications. A peer comparison of Canadian utilities produced a range from 40 years to 65 years. Discussions and review with NL Hydro representatives suggested that the current 50-year average service life appeared a little short and that an increase to a 60 year average service life was more reasonable for the equipment in this account. Based on the above and the peer comparison of Canadian utilities, an Iowa 60-R4 is recommended to best represent the future expectation for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation for their station equipment of negative 5 percent with Nova Scotia Power Inc. utilizing a range for all Hydro accounts of negative 20 percentage to negative 445 with an investment average of negative 69 percent. Newfoundland Power Inc. has a net salvage percentage of negative 15 percent. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 8 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 8 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 8 percent to best represent the future expectations for the equipment in this account.

Account T04 – Towers - The investment in Towers comprises 3.0% of the total depreciable plant. The investment in this account mainly consists of steel towers including inspection and refurbishment. The currently approved average service life estimate is the Iowa 65-R3. The retirement rate analysis prepared in this study reviewed plant over the period of 1967 through 2015. Over this period this account has experienced \$1,861,164 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-301 and V-302 of this report. Although the historical data is limited, it did indicate that a slightly higher Iowa curve of R4 did provide

a better fit to the historical data than the currently approved R3 curve. A peer comparison of Canadian utilities produced a range from 55 years to 85 years. Discussions and review with NL Hydro representatives suggested that the recommended 65-R4 was reasonable for this account. Based on the above, an Iowa 65-R4 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation for their station equipment of negative 25 percent with Nova Scotia Power Inc. utilizing a negative 35 percent. Newfoundland Power Inc. has a net salvage percentage of negative 35 percent. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 20 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 20 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 20 percent to best represent the future expectations for the equipment in this account.

Account T05 – Transformers - Other - The investment in Transformers - Other comprises 3.4% of the total depreciable plant. The investment in this account mainly consists of transformers including power transformers, autotransformers and generator step-up transformers. The currently approved average service life estimate is the Iowa 55-R3. The retirement rate analysis prepared in this study reviewed plant over the period of 1964 through 2015. Over this period this account has experienced \$6,447,435 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-304 and V-305 of this report. As shown on the fitted smooth curve on page V-303, the currently approved Iowa 55-R3 provides a good fit over the observed data. A peer comparison of Canadian utilities produced a range from 40 to 50 years. Discussions and review with NL Hydro representatives suggested that the historical experience and currently approved Iowa 55-R3 are reasonable expectations for this account. Based on the above, the current approved Iowa 55-R3 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation for their station equipment of negative 20 percent with Nova Scotia Power Inc. utilizing a negative 69

percent. Newfoundland Power Inc. has a net salvage percentage of negative 15 percent. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 6 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 6 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 6 percent to best represent the future expectations for the equipment in this account.

Account T07 – Transformers – Pole Mounted - The investment in Distribution Transformers – Pole Mounted comprises 1.4% of the total depreciable plant. The investment in this account mainly consists of pole mounted distribution transformers. The currently approved average service life estimate is the Iowa 30-R2. The retirement rate analysis prepared in this study reviewed plant over the period of 1965 through 2015. Over this period this account has experienced \$7,011,936 of retirements over a widely dispersed range of ages as summarized on the observed life table provided on pages V-310 and V-311 of this report. An analysis of the currently approved Iowa 30-R2 did not provide a good fit to the observed data. As shown on the fitted smooth curve on page V-309, an Iowa 30-L1 provides an excellent fit over the observed data. A peer comparison of Canadian utilities produced a range from 33 to 40 years. Discussions and review with NL Hydro representatives suggested that the historical experience of an Iowa 30-L1 is a reasonable expectation for this account. Based on the above, the currently approved Iowa 30-L1 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation of negative 20 percent. Nova Scotia Power Inc. utilizes negative 5 percentage for their Substation Equipment. Newfoundland Power Inc. utilizes negative 15 percentage for their Substation Equipment. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 8 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 8 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 8 percent to best represent the future expectations for the equipment in this account.

Account T09 – Turbines - The investment in Turbines comprises 3.5% of the total depreciable plant. The investment in this account mainly consists of turbines. The currently approved average service life estimate is the Iowa 50-R3. The retirement experience has been very small and as such has not resulted in any reliable historical indications. A peer comparison of Canadian utilities produced a range of 30 to 55 years. Discussions and review with NL Hydro representatives indicated that there are four gas turbines utilized for mainly stand-by and peaking purposes and have little historical usage. Discussions and review with NL Hydro representatives also suggested that the current 50-year average service life appeared a little short and that an increase to a 55-year average service life was more reasonable for the equipment in this account. Based on the above and the peer comparison of Canadian utilities, an Iowa 55-R2.5 is recommended to best represent the future expectations for the equipment in this account.

Concentric Advisors has utilized net salvage recommendations from three electric utilities. Northwest Territories Power Corporation has a recommendation of negative 15 percent with Nova Scotia Power Inc. utilizing a range for all Hydro accounts of negative 20 percentage to negative 445 with an investment average for all their Hydro accounts of negative 69 percent. Newfoundland Power Inc. has a net salvage percentage of negative 25 percent. In consideration of the above and knowledge of NL Hydro's capitalization and removal policies, Concentric Advisors views negative 14 percent as a net salvage expectation. NL Hydro representatives have indicated that negative 14 percent is reasonable for this account. Based on the above, Concentric Advisors recommends negative 14 percent to best represent the future expectations for the equipment in this account.

PART III. CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION

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Review of Conversion to a Group Accounting Method

In the Public Utilities Board Order No P.U. 40(2012), the Board directed as follows:

“In accordance with the terms of the Settlement Agreement Hydro has agreed to provide, at the time of its next depreciation study, a report, on a limited number of groups of property, comparing the agreed methodology to the application of depreciation on a pure group basis. The Board notes that the findings of this report would not be applied retroactively but rather would provide information for future rate making purposes. In the Board's view this is a reasonable approach to resolve what appears to have been a difference in expert opinion on this specific issue. The Board will accept this recommendation.”⁶

Attached as Appendix 1 to this report is the “Evidence of Larry E. Kennedy Related to the Conversion to Group Accounting Methods” (Additional Evidence of Larry Kennedy). This Evidence provides the detailed response to the above PUB directive resulting from the last depreciation study and negotiated settlement application relating to the historical NL Hydro departure from the use of typical regulated group depreciation accounting.

Group depreciation refers to the widely accepted procedure for rate regulated utilities where, rather than depreciating each item by itself (unit depreciation), a group containing homogenous units of plant which are alike in character, used in the same manner throughout the utilities service territory, and operated under the same general conditions is formed. Group depreciation recognizes that there will be differing lives for individual units within the group. For example, poles are often combined into a single group. Some poles will be retired due to storms or third party damage (for example automobile accidents, for strikes by farm equipment, etc.). Others will decay, while some will be displaced due to road relocations, and some will be replaced due to the need to provide underground service. However they are combined into the same group because they are homogenous units. With group depreciation, the entire group is considered as

⁶ Order No. P.U. 40(2012), page 3, lines 28-35.

the asset being depreciated, therefore, one depreciation rate is applied to the entire group and only one accumulated depreciation account is tracked for the entire group.

Under group depreciation no gain or loss is recognized for retirement of individual assets, as only one depreciation calculation is made on the entire group. Upon retirement of an asset from the group, the total original cost of the asset is debited to the accumulated depreciation account and credited to the asset account. Gross salvage received (if applicable) for the retired asset is credited to the accumulated depreciation account and cost of removal is debited to the accumulated depreciation account. Under group depreciation, since the accumulated depreciation relates to the entire group rather than to specific assets within the group, no gain or loss is recognized. This assumes that the group depreciation rate is accurate for the group as a whole and that the cost of the retired asset, net of gross salvage and cost of removal, is being fully provided for in the accumulated depreciation account.

A full description of the review is provided in the Additional Evidence of Larry Kennedy. Based on the review it is noted that long life accounts such as Wood Poles and Conductor are virtually neutral as to the use of the current hybrid approach versus traditional grouping accounting approaches. The Additional Evidence of Larry Kennedy recommends that:

- NL Hydro convert to a more traditional Group Accounting and Depreciation Practice for all accounts other than Amortized accounts as discussed below;
- That Amortized accounts (as noted with a Square or SQ Iowa curve) be subjected to a pure amortization procedure wherein the investment in these accounts is retired when it reaches its full amortization period. All retirements in these accounts should be made only at the expiration of the amortization period.

Group Depreciation Procedures

Based on the recommended conversion to Group Accounting, the selection of a group depreciation procedure is required. When more than a single item of property is under consideration, a group procedure for depreciation is appropriate because normally

all of the items within a group do not have identical service lives, but have lives that are dispersed over a range of time. There are two primary group procedures, namely, Average Service Life (ASL) and Equal Life Group (ELG).

In the average service life procedure, the rate of annual depreciation is based on the average service life of the group, and this rate is applied to the surviving balances of the group's cost. A characteristic of this procedure is that the cost of plant retired prior to average life is not fully recouped at the time of retirement, whereas the cost of plant retired subsequent to the average life is more than fully recouped. Over the entire life cycle, the portion of cost not recouped prior to average life is balanced by the cost recouped subsequent to average life.

In the ELG procedure, the property group is subdivided according to service life. That is, each equal life group includes that portion of the property which experiences the life of that specific group. The relative size of each equal life group is determined from the property's life dispersion curve. The calculated depreciation for the property group is the summation of the calculated depreciation based on the service life of each equal life group.

In the determination of the depreciation rates in this study, the use of the average service life procedure has been continued for all vintages up to and including 2014. For current plant (i.e. 2015 vintages), the use of the equal life group procedure will be utilized providing an enhanced matching of depreciation expense to the consumption of service value.

Impact of the International Financial Reporting Standards (IFRS) in this Study

In the determination of the depreciation rates for Regulatory purposes Concentric Advisors has applied its depreciation parameters on an original cost basis. However, upon implementation of IFRS NL Hydro's reported asset values are calculated on a deemed cost basis in the disclosure of the plant in service in its accounting systems for financial disclosure purposes. Therefore the depreciation rates need to recognize that the cost basis is a deemed cost rather than an original cost. To ensure proper and accurate recovery, Concentric Advisors has applied its developed depreciation expense (as determined from an original cost base) to NL Hydro's deemed costs to develop

deemed cost accrual rates for each depreciable account as shown on Table 1. Concentric Advisors notes that the deemed cost depreciation rates are for financial disclosure purposes only. These deemed cost accrual rates will then ensure the accurate recovery of NL Hydro's deemed cost investment as of December 31, 2015.

The above deemed cost accrual rates reflect the position of each account's booked depreciation reserve as of December 31, 2015. If an account's booked depreciation reserve is in a deficiency or surplus position, the resultant accrual rate reflects an adjustment to correct this deficiency or surplus over the applicable account's composite remaining life. However, for future additions (i.e. post 2015), the application of the developed deemed cost accrual rates will incorrectly adjust the post 2015 addition's depreciation expense due to the above 2015 book depreciation reserve adjustment for each applicable account. As such, Concentric Advisors recommends, and has provided whole life accrual rates that do not reflect the booked depreciation deficiency or surplus position as of December 31, 2015. This will more accurately reflect the correct depreciation expense on post 2015 additions.

The Concentric Advisors recommendation of including an accrual provision for the recovery of future costs of removal in the depreciation expense, and to implement traditional group accounting practices are in accordance with the IFRS 14. However, in order to rely upon IFRS 14, the cost of removal component being recovered through depreciation expense needs to be specifically identified and tracked in accordance with IFRS 14. Therefore, this study separately provides for the depreciation rates associated with the recovery of future cost of removal in Table 1B provided in the Results section of this report. Additionally, the impacts of the conversion to traditional group accounting will also require the tracking of gains or losses on retirements through the reporting as directed under IFRS 14⁷. While Concentric Advisors notes that the use of the ELG procedure and accruing for cost of removal will ultimately eliminate the need to calculate gains and losses on most retirement transactions, it will take a number of years of use of

⁷ Including gains and losses associated with original costs of retirements, costs of removal and gross salvage proceeds

the ELG procedure and cost of removal accrual before the tracking of gains and losses through IFRS 14 can be eliminated.

CALCULATION OF ANNUAL AND ACCRUED AMORTIZATION

Amortization is the gradual extinguishment of an amount in an account by distributing such amount over a fixed period, over the life of the asset or liability to which it applies, or over the period during which it is anticipated the benefit will be realized. Normally, the distribution of the amount is in equal amounts to each year of the amortization period through the use of a square Iowa curve, which assumes no retirement over the life of the investment through to its final retirement at the end of the amortization period.

The calculation of annual and accrued amortization requires the selection of an amortization period. The amortization periods used in this report were based on judgment which incorporated a consideration of the period during which the assets will render most of their service, the amortization period and service lives used by other utilities, and the service life estimates previously used for the asset under depreciation accounting.

For the purpose of calculating annual amortization amounts as of December 31, 2015, the book depreciation reserve for each plant account or subaccount is assigned or allocated to vintages. The book reserve assigned to vintages with an age greater than the amortization period is equal to the vintage's original cost. The remaining book reserve is allocated among vintages with an age less than the amortization period in proportion to the calculated accrued amortization. The calculated accrued amortization is equal to the original cost multiplied by the ratio of the vintage's age to its amortization period. The annual amortization amount is determined by dividing the future amortizations (original cost less allocated book reserve) by the remaining period of amortization for the vintage.

Amortization accounting is proposed for a number of accounts that represent a small portion of depreciable December 31, 2015 plant in service. The accounts and their amortization periods are as follows:

		AMORTIZATION
<u>ACCOUNT</u>	<u>TITLE</u>	<u>PERIOD, YEARS</u>
C11	Computers	5
O01	Office Equipment	20
O02	Office Furniture	20
P11	Printers	6
R14	Routers and LAN	5
S03	Servers	7
S05	Software	7
T02	Test Equipment	20
T03	Tools and Equipment	20
T10	Holyrood Turbines – Combustor Overhaul	3
T11	Holyrood Turbines – Turbine Overhaul	6
T12	Holyrood Turbine – Combustor Overhaul	12

For the above accounts where amortization accounting is proposed, Concentric Advisors recommends that for each vintage, for each applicable account, the complete amortization period be utilized irrespective of whether the related fixed asset equipment is removed from active service. Likewise, Concentric Advisors further recommends that when each vintage for each applicable account reaches the complete amortization period, that vintage be fully retired irrespective of whether the associated equipment is still in service.

MONITORING OF BOOK ACCUMULATED DEPRECIATION

The calculated accrued depreciation or amortization represents that portion of the depreciable cost which will not be allocated to expense through future depreciation accruals, if current forecasts of service life characteristics and net salvage materialize and are used as a basis for depreciation accounting. Thus, the calculated accrued depreciation provides a measure of the book accumulated depreciation. The use of this measure is recommended in the amortization of book accumulated depreciation variances to insure complete recovery of capital over the life of the property.

The recommended amortization of the variance between the book accumulated depreciation and the calculated accrued depreciation is based on an amortization period

equal to the composite remaining life for each property group where the variance exceeds five percent of the calculated accrued depreciation.

The composite remaining life for use in the calculation of accumulated depreciation variances is derived by developing the composite sum of the individual equal life group remaining lives in accordance with the following equation:

The book costs and lives of the several equal life groups, which are summed in the foregoing equation, are defined by the estimated future survivor curve. Inasmuch as book cost divided by life equals the whole life annual accrual, the foregoing equation reduces to the following form:

Or

$$\text{Composite Remaining Life} = \frac{\sum \text{Book Cost} - \text{Calc. Reserve}}{\sum \text{Whole Life Annual Accrual}}.$$

PART IV. RESULTS OF STUDY

PART IV. RESULTS OF STUDY

QUALIFICATION OF RESULTS

The calculated annual and accrued depreciation are the principal results of the study. Continued surveillance and periodic revisions are normally required to maintain continued use of appropriate annual depreciation accrual rates. An assumption that accrual rates can remain unchanged over a long period of time implies a disregard for the inherent variability in service lives and salvage and for the change of the composition of property in service. The annual accrual rates and the accrued depreciation were calculated in accordance with the straight line method, using the equal life group procedure based on estimates which reflect considerations of current historical evidence and expected future conditions.

DESCRIPTION OF DETAILED TABULATIONS

The service life estimates were based on judgment that incorporated statistical analysis of retirement data, discussions and review with management and consideration of estimates made for other electric utilities. The results of the statistical analysis of service life are presented in Part V beginning on V-2 of the Supporting Documents.

For each depreciable group analyzed by the retirement rate method, a chart depicting the original and estimated survivor curves followed by a tabular presentation of the original life table(s) plotted on the chart. The survivor curves estimated for the depreciable groups are shown as dark smooth curves on the charts. Each smooth survivor curve is denoted by a numeral followed by the curve type designation. The numeral used is the average life derived from the entire curve from 100 percent to zero percent surviving. The titles of the chart indicate the group, the symbol used to plot the points of the original life table, and the experience and placement bands of the life tables which were plotted. The experience band indicates the range of years for which retirements were used to develop the stub survivor curve. The placements indicate, for the related experience band, the range of years of installations which appear in the experience.

The tables of the calculated annual depreciation applicable to depreciable assets as of December 31, 2015 are presented in account sequence starting on page VI-2 of the

Supporting Documents. The tables indicate the estimated average survivor curves used in the calculations. The tables set forth, for each installation year, the original cost, calculated accrued depreciation, and the calculated annual accrual.

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

TABLE 1A. ESTIMATED SURVIVOR CURVES, ORIGINAL AND DEEMED COST AND ANNUAL ACCRUALS
RELATED TO PLANT IN SERVICE AS OF DECEMBER 31, 2015

ACCOUNT	ACCOUNT DESCRIPTION	SURVIVOR CURVE	NET SALVAGE PERCENTAGE	ORIGINAL COST DECEMBER 31, 2015	BOOK DEPRECIATION RESERVE	FUTURE ACCRUALS	ACCRUAL AMOUNT	ORIGINAL COST ACCRUAL RATE	COMPOSITE REMAINING LIFE	DEEMED COST DECEMBER 31, 2015	DEEMED COST ACCRUAL RATE	WHOLE LIFE ACCRUAL RATE
A01	AIRCRAFT LANDING STRIP	33-R2	0	475,498	447,118	28,380	1,156	0.24	22.5	106,867	1.08	4.27
A04	AUXILIARY POWER SYSTEMS	30-R4	0	6,054,938	2,863,282	3,191,657	142,690	2.36	22.0	3,875,070	3.68	3.55
B01	BATTERY AND POWER SYSTEMS	26-L1.5	0	11,399,996	5,831,921	5,568,076	281,180	2.47	19.7	6,859,869	4.10	5.37
B02	BOILER SYSTEM	40-R3	0	23,876,046	22,173,735	1,702,310	51,390	0.22	23.1	1,848,235	2.78	2.92
B03	BOWDS - TIMBER	25-R2	0	176,556	68,815	106,740	12,386	7.06	8.6	112,339	11.03	5.52
B04	BRIDGES	65-R4	0	4,254,290	3,356,067	898,223	19,633	0.46	42.7	965,004	2.03	1.64
B05	BUILDINGS - OTHER	50-R0.5	0	69,176,761	31,590,131	37,586,631	954,632	1.38	39.3	40,332,978	2.37	4.42
B06	BUILDINGS - METAL	55-R3	0	34,029,073	18,159,493	15,869,581	384,804	1.13	40.5	16,435,007	2.34	2.13
B07	BUS DUCT GENERATOR	40-R4	0	1,456,108	546,113	909,995	30,373	2.09	29.1	985,315	3.08	2.66
B08	BUSWORK AND HARDWARE	50-R4	0	7,307,906	4,510,152	2,797,755	86,974	1.19	30.4	3,340,456	2.60	2.13
C01	CABLES - TELECONTROL	30-R4	0	2,643,339	2,286,539	356,800	13,452	0.51	26.5	393,321	3.42	3.55
C02	CABLE - SUBMARINE	45-R4	0	8,901,116	6,446,852	2,454,264	113,135	1.27	20.9	2,776,722	4.07	2.37
C03	CABLES - UNDERGROUND	60-S4	0	2,837,546	1,019,407	1,818,138	36,892	1.30	46.1	1,905,314	1.94	1.72
C04	CABLES - ABOVE GROUND	60-R4	0	10,550,929	6,547,333	4,003,596	100,721	0.95	36.8	4,494,725	2.24	1.77
C06	CAPACITORS	35-R3	0	994,744	457,993	536,751	64,049	6.44	8.3	690,109	9.28	3.33
C07	CHEMICAL FEED SYSTEMS	45-R4	0	509,132	495,386	13,747	338	0.07	20.6	18,552	1.82	2.37
C09	CIRCUIT BREAKERS	60-R2.5	0	39,666,672	9,636,653	30,020,020	678,934	1.71	43.6	31,594,197	2.15	2.21
C10	COMPRESSED AIR SYSTEMS	41-R1.5	0	16,666,710	3,115,906	13,550,805	505,554	3.03	26.8	14,222,905	3.55	4.00
C11	COMPUTERS	5-SQ	0	4,899,775	2,343,713	2,556,063	633,911	12.94	4.0	4,407,813	14.38	20.00
C12	CONDENSERS	55-R3	0	125,930	125,930	0	0	0.00	15.1	0	-	2.13
C13	CONDUCTOR - TRANSMISSION	60-R3	0	67,322,774	28,952,047	38,370,727	1,685,060	1.76	31.8	42,025,239	2.82	1.96
C14	CONDUCTOR - DISTRIBUTION	45-R3	0	34,320,050	16,853,643	17,466,406	547,899	1.60	30.2	18,601,762	2.95	2.60
C15	CONTROL, METERING, RELAYING	40-R3	0	29,645,208	13,067,444	16,577,763	599,361	2.02	27.7	18,702,830	3.20	2.92
C16	COOLING SYSTEMS	40-R1.5	0	10,007,038	2,674,586	7,332,452	261,498	2.61	28.0	7,732,067	3.38	4.10
C17	COUNTERPOISE	55-R2.5	0	3,623,089	1,586,773	2,066,316	63,340	1.75	32.2	2,310,209	2.74	2.39
C18	CRANES	70-R3	0	361,909,256	1,299,150	326,602,992	133,894	1.94	41.8	340,976,393	2.22	1.69
D01	DAMS, DYKES, CANALS AND TUNNELS	110-R4	0	35,352,203	35,352,203	0	0	1.20	75.4	0	0	1.27
D02	DIESEL SYSTEMS AND ENGINES	25-L0.5	0	41,887,351	18,893,624	23,093,727	1,182,488	2.82	19.1	27,128,109	4.36	5.96
D03	DISCONNECT SWITCHES	55-R2.5	0	20,863,528	6,740,368	14,143,160	336,802	1.61	45.5	15,314,119	2.20	3.39
D04	DISTRIBUTION LINES	45-R3	0	2,747,353	1,789,595	677,628	21,022	0.85	36.1	745,083	2.62	2.36
E01	ELECTRICITY	45-SQ	0	9,000,000	8,900,000	0	0	0.00	25.0	0	0	2.35
E02	ENVIRONMENTAL EQUIPMENT	35-R2.5	0	12,892,219	12,759,407	159,800	6,392	0.05	25.0	189,571	3.37	3.68
E03	ENVIRONMENTAL EQUIPMENT	45-R2.5	0	936,676	678,187	257,689	11,409	1.22	22.6	349,053	3.27	2.90
F01	FALL ARREST EQUIPMENT	15-R4	0	2,509,020	1,215,404	1,293,616	123,050	4.90	10.5	2,007,509	6.13	7.09
F02	FENCING	52-R3	0	7,555,989	3,627,286	3,928,303	93,592	1.24	41.4	4,183,349	2.24	2.25
F03	FIRE FIGHTING EQUIPMENT	50-R4	0	13,906,919	5,568,798	8,338,121	194,950	1.40	42.8	8,924,743	2.18	2.13
F04	FOOTINGS AND FOUNDATIONS	65-R3	0	20,413,239	8,981,394	11,431,845	263,514	1.29	42.5	12,276,179	2.15	1.81
F05	FREQUENCY CONVERSION	50-R1.5	0	2,453,577	1,758,713	694,864	19,595	0.80	35.5	755,877	2.59	2.30
F06	FUEL SYSTEMS	45-R4	0	28,513,898	9,915,217	18,598,681	542,202	1.90	34.3	19,575,128	2.77	3.36
G01	GAS TURBINE SYSTEMS	60-R4	0	69,325,761	25,791,118	43,534,643	1,160,219	1.67	37.3	46,097,528	2.52	2.60
G02	GATES	19,048,533	0	3,368,711	15,679,823	320,794	1,613,265	1.53	45.4	16,550,695	1.94	1.33
G03	GENERATORS	65-S3	0	105,132,875	30,681,141	74,451,734	1,613,265	1.53	45.4	79,119,107	2.04	1.65
G04	GENERATOR - WINDINGS	50-S3	0	24,614,758	9,576,304	15,038,454	321,672	1.31	46.7	17,789,053	1.81	2.15
G05	GLYCOL SYSTEMS	40-S3	0	530,654	446,507	84,147	4,831	0.91	17.4	98,436	4.91	2.68
G06	GOVERNORS	45-S4	0	7,840,659	2,139,962	5,700,697	303,354	3.87	18.5	6,562,987	4.62	2.30
G07	GROUND WIRE SYSTEM	55-R4	0	10,370,352	3,450,583	6,919,769	182,386	1.76	37.3	7,515,444	2.43	1.94
I02	INSTRUMENTATION	30-L0.5	0	5,967,398	5,010,716	956,682	38,194	0.64	25.0	1,113,173	3.43	5.90
I03	INSULATORS	35-L3	0	41,988,322	20,326,481	21,661,840	1,002,854	2.39	21.6	25,983,406	3.86	3.23
I04	INTAKE STRUCTURES	110-R4	0	19,436,445	1,973,440	17,463,005	231,764	1.19	75.3	18,235,951	1.27	0.97
I05	INVERTERS	25-S1.5	0	521,505	371,033	150,471	12,485	2.39	6.4	176,682	7.07	4.81
L03	LAND IMPROVEMENTS	75-R3	0	14,196,794	9,017,193	5,179,601	96,403	0.68	53.7	5,735,273	1.68	1.57
L04	LIGHTING SYSTEMS	50-R4	0	926,303	557,052	369,251	8,923	1.36	41.4	483,472	1.85	2.13
L05	LIGHTING ARRESTORS	58-R3	0	6,193,610	2,439,676	3,753,934	84,364	0.96	44.5	3,984,825	2.12	2.02
L06	LINE COUPLING EQUIPMENT	24-R5	0	11,226	11,226	0	0	0.00	0.0	0	-	4.25
M01	MAIN BREAKERS	42-R0.5	0	552,940	289,587	263,353	7,867	1.42	33.2	288,042	2.73	5.11
M02	MARINE TERMINAL	65-R4	0	3,833,871	3,229,543	604,328	9,669	0.25	62.5	860,754	1.12	1.64
M03	METALCLAD SWITCHGEAR CUBEQU 4kv600	45-R4	0	2,233,645	1,718,481	515,163	14,823	0.66	31.5	669,662	2.21	2.37
M04	METER TEST SWITCHES	35-R5	0	58,301	47,500	10,800	928	1.59	11.6	13,519	6.86	2.92
M05	METERING TANKS	37-R3	0	660,416	283,977	376,440	12,873	1.95	29.2	438,378	2.94	3.15
M06	METERS - DIGITAL	20-L3	0	2,181,741	3,692,927	285,363	3,692,927	4.86	12.9	4,566,868	6.25	5.66
M07	METERS - ANALOGUE	25-L2	0	689,394	659,749	38,635	4,235	0.61	9.1	76,225	5.56	5.05
M08	METERS - OTHER	22-L4	0	262,853	144,342	118,512	10,414	3.96	11.4	166,747	6.25	4.82
M10	MISCELLANEOUS UNITS OF PROPERTY	22-R1.5	0	25,815,956	10,083,214	15,732,742	887,243	3.44	17.7	24,143,424	3.67	6.96



Newfoundland and Labrador Hydro
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NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
TABLE 1A. ESTIMATED SURVIVOR CURVES, ORIGINAL AND DEEMED COST AND ANNUAL ACCRUALS
RELATED TO PLANT IN SERVICE AS OF DECEMBER 31, 2015

ACCOUNT	ACCOUNT DESCRIPTION	SURVIVOR CURVE	NET SALVAGE PERCENTAGE	ORIGINAL COST DECEMBER 31, 2015	BOOK DEPRECIATION RESERVE	FUTURE ACCRUALS	ACCRUAL AMOUNT	ORIGINAL COST ACCRAUAL RATE	COMPOSITE REMAINING LIFE	DEEMED COST DECEMBER 31, 2015	DEEMED COST ACCRAUAL RATE	WHOLE LIFE ACCRAUAL RATE
M11.	MOBILE - A.T.V.'S AND SNOWMOBILES	6-L3	20	1,906,739	988,839	536,552	132,832	6.97	4.0	1,630,167	8.15	15.02
M12.	MOBILE - AIR COMPRESSOR ATTACHMENT AND BOAT	20-L0	20	432,046	22,807	22,807	131,688	0.31	17.3	131,688	1.00	7.59
M13.	MOBILE - ARGO'S	9-R5	20	287,287	270,068	(40,239)	0	0.00	0.0	180,781	-	9.08
M14.	MOBILE - FLEXFORK/LOAD/GRADE/MUSK/TRAILER	18-L3	20	10,581,312	4,436,000	4,029,050	299,132	2.83	13.5	7,185,044	4.16	5.03
M16.	MULTI-PLEX EQUIPMENT	18-S1.5	0	2,812,217	2,220,728	591,489	52,487	1.87	11.3	822,074	6.38	6.67
O01.	OFFICE EQUIPMENT	20-SQ	0	1,286,440	670,958	615,481	40,943	3.18	15.0	731,009	5.60	5.00
O02.	OFFICE FURNITURE	20-SQ	0	1,477,990	866,277	611,713	45,350	3.07	13.5	743,513	6.10	5.00
P01.	P.C.B. STORAGE CONTAINER	30-R4	0	42,480	41,427	1,052	137	0.32	7.7	1,483	9.24	3.55
P02.	PABX - PRIVATE AUTO BRANCH EXCHANGE	20-R4	0	1,181,009	955,817	225,191	21,221	1.80	10.6	277,879	7.64	5.32
P03.	PENSTOCK	70-R4	0	58,908,421	16,867,332	42,041,089	1,255,120	2.13	33.4	44,875,320	2.80	1.52
P04.	POLE CRIBS AND POLE HARDWARE	35-S2.5	0	118,371,156	40,540,863	77,830,293	3,088,060	2.61	24.0	82,813,901	3.73	3.15
P05.	POLE STRUCTURES - WOOD	57-R3	0	129,790,285	48,775,465	81,014,821	2,175,325	1.68	36.3	89,077,051	2.44	2.06
P06.	POLES - CONCRETE	25-R4	0	333,760	307,440	26,320	1,240	0.37	3.0	55,346	2.24	4.26
P07.	POLES - WOOD	43-R1	0	72,604,630	27,332,178	45,272,452	1,392,688	1.92	32.2	48,437,902	2.82	4.34
P08.	POWER LINE CARRIER	25-R3	0	4,971,572	4,329,788	641,785	40,639	0.82	14.6	788,185	5.09	4.64
P09.	POWER SYSTEMS	20-L3	0	664,592	342,360	322,232	31,737	4.78	10.0	457,452	6.94	5.66
P10.	POWERHOUSE	75-R3	0	93,718,745	20,425,400	73,293,346	1,617,203	1.73	45.2	77,547,345	2.09	1.57
P11.	PRINTERS	6-SQ	0	1,038,001	818,313	219,688	50,319	4.85	4.4	968,970	5.19	16.67
P12.	PROTECTIVE CONTROL AND RELAY PANELS	35-R3	0	3,266,574	3,266,574	6,240,555	214,367	2.25	29.1	7,232,549	2.96	3.33
R01.	RADIO TOWERS (WOOD OR STEEL)	40-S4	0	9,507,129	7,079,596	2,679,510	71,439	0.73	37.0	3,006,850	2.38	2.44
R02.	RADIO - FIXED MICROWAVE EQUIPMENT	19-R5	0	6,212,764	4,646,541	1,566,223	159,307	2.56	9.8	1,854,531	8.59	5.37
R03.	RADIOS - FIXED VHF EQUIPMENT	15-L0.5	0	101,662	36,875	64,787	6,085	5.99	10.6	81,822	7.44	11.00
R04.	RADIOS - MOBILE VHF BASE STATION	19-R3	0	950,166	448,957	111,309	10,243	1.83	10.9	153,938	6.65	6.08
R05.	RADIOS - MOBILE VHF EQUIPMENT	15-R4	0	7,278,664	5,004,461	2,274,203	326,696	4.49	7.0	312,097	10.46	7.09
R06.	RAMP - YARD STORAGE	25-R3	0	1,993,558	784,653	808,905	48,198	3.02	16.8	935,272	5.15	4.64
R07.	REACTORS AND RESISTORS	40-S4	0	1,225,065	415,447	809,618	37,889	3.09	21.4	903,491	4.19	2.58
R08.	REGULATORS	48-R3	0	7,158,607	3,012,684	4,145,922	105,835	1.48	38.1	4,572,762	2.31	2.44
R09.	REVENUE METERING	40-S0.5	0	5,667,640	2,382,726	3,274,914	108,120	1.91	28.3	3,706,121	2.92	3.56
R11.	RIGHT-OF-WAYS	35-R3	0	1,242,816	495,989	11,446,926	35,790	2.88	20.9	649,542	4.21	3.33
R12.	ROUTERS AND LAN	60-R4	0	11,729,519	10,327,131	1,402,388	2,255,942	1.37	38.4	12,488,947	2.08	1.77
R13.	ROUTERS AND LAN	60-R4	0	84,747	16,036,633	68,036,633	2,255,942	7.53	30.1	75,148,364	2.06	1.77
R14.	ROUTERS AND LAN	5-SQ	0	2,730,978	1,893,487	897,491	16,036,633	7.53	30.1	2,448,737	8.84	20.07
R15.	RUNNER	55-R5	0	11,669,844	6,299,657	5,370,277	424,434	3.84	12.7	6,821,838	6.22	1.86
S01.	SCADA EQUIPMENT	20-L3	0	4,924,933	2,829,101	2,100,832	154,652	3.14	13.6	2,481,772	6.23	5.66
S02.	SECTIONALIZERS	25-R5	0	154,009	126,212	21,797	6,911	4.49	4.0	45,666	15.13	4.08
S03.	SERVICES	7-SQ	0	3,019,204	2,756,280	262,924	47,011	1.56	5.6	1,643,300	2.86	14.29
S04.	SEWAGE DISPOSAL SYSTEM	55-R4	0	2,919,319	1,894,968	1,024,351	24,407	0.84	41.4	1,121,167	2.18	1.94
S05.	SOFTWARE	7-SQ	0	10,061,798	3,806,822	6,274,977	1,826,510	18.12	3.4	8,980,374	20.34	14.29
S06.	SPILLWAY STRUCTURES	110-R4	0	28,120,270	3,203,543	24,916,728	331,244	1.18	75.2	26,004,636	1.27	0.97
S07.	STACKS	55-R4	0	7,850,850	3,172,485	4,678,365	93,981	1.20	48.2	4,868,525	1.93	1.94
S08.	STATIC EXCITATION SYSTEM	32-R4	0	8,333,065	3,979,751	4,353,314	576,637	6.92	6.5	5,117,789	11.27	3.33
S09.	STATIC EXCITATION - TRANSFORMERS	45-R4	0	734,327	727,391	6,936	429	0.06	15.7	16,538	2.59	2.37
S10.	STATION SERVICE	50-R4	0	5,233,336	1,741,249	3,492,087	120,651	2.31	28.1	3,966,436	3.04	2.13
S11.	STOP LOGS	65-R4	0	3,114,097	643,196	2,470,901	72,339	2.32	34.2	2,650,931	2.73	1.64
S12.	STORAGE PALLETS AND RACKINGS	30-R3	0	14,403	14,403	0	0	0.00	0.0	0	-	3.87
S13.	STORM AND YARD DRAINAGE	55-R4	0	1,308,713	1,054,925	253,788	6,537	0.50	38.8	283,067	2.31	1.94
S14.	STREET LIGHTS	20-R2	0	3,874,989	1,657,192	2,217,797	172,083	4.44	12.5	2,805,557	6.13	6.79
S15.	STRUCTURAL SUPPORTS (WOOD OR STEEL)	55-R4	0	11,677,609	6,274,387	5,403,222	147,181	1.26	35.4	6,251,538	2.35	1.94
S17.	SUMP SYSTEMS	35-R4	0	667,245	135,218	532,027	29,713	4.45	17.9	561,992	5.29	3.04
S18.	SURGE SYSTEMS	60-R4	0	6,972,889	3,352,873	3,619,917	96,688	1.39	37.5	4,069,880	2.37	1.77
S19.	STATION SWITCHING	38-S0.5	0	11,650,032	4,719,809	6,930,224	267,874	2.30	25.9	7,525,863	3.56	3.74
S20.	SWITCHING SYSTEMS - L.V.	60-R5	0	2,304,609	396,950	1,907,659	59,963	2.60	31.8	2,071,699	2.89	1.70
T01.	TELECONTROL SYSTEM	25-L1.5	0	12,429,279	6,824,711	5,604,568	304,406	2.45	18.4	6,362,279	4.78	5.58
T02.	TEST EQUIPMENT	20-SQ	0	1,955,314	1,128,984	826,330	55,804	2.85	14.8	955,358	5.84	5.00
T03.	TOOLS AND EQUIPMENT	20-SQ	0	11,434,328	6,018,424	5,415,904	378,688	3.31	14.3	6,366,862	5.95	5.00
T04.	TOWERS	77-R39.424	0	77,739,424	27,526,269	50,213,155	1,256,447	1.62	38.9	54,042,115	2.32	1.64
T05.	TRANSFORMERS - OTHER	55-R3	0	88,255,274	37,368,104	51,887,170	1,599,600	1.79	31.8	55,908,373	2.86	2.13
T06.	TRANSFORMERS - PAD MOUNT	30-L1	0	17,723,652	2,168,073	15,535,579	420,766	2.37	36.8	16,335,856	2.58	4.10
T07.	TRANSFORMERS - POLE MOUNTED	30-L1	0	37,040,457	10,664,694	26,375,763	1,145,163	3.09	22.9	29,543,794	3.88	5.14
T09.	TURBINES	55-R2.5	0	65,159,636	27,353,903	37,805,733	1,233,955	1.89	29.9	42,271,663	2.92	2.39



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
TABLE 1A. ESTIMATED SURVIVOR CURVES, ORIGINAL AND DEEMED COST, AND ANNUAL ACCRUALS
RELATED TO PLANT IN SERVICE AS OF DECEMBER 31, 2015

ACCOUNT	ACCOUNT DESCRIPTION	SURVIVOR CURVE	NET SALVAGE PERCENTAGE	ORIGINAL COST DECEMBER 31, 2015	BOOK DEPRECIATION RESERVE	FUTURE ACCRUALS	ACCRUAL AMOUNT	ORIGINAL COST ACCRUAL RATE	COMPOSITE REMAINING LIFE	DEEMED COST DECEMBER 31, 2015	DEEMED COST ACCRUAL RATE	WHOLE LIFE ACCRUAL RATE
T10.	HOLYROOD GAS TURBINE - COMBUSTOR OVERHAUL	3-SQ	0	2,206,062	40,444	2,165,618	866,247	39.27	2.5	2,206,062	39.27	33.33
T11.	HOLYROOD GAS TURBINE - TURBINE OVERHAUL	6-SQ	0	2,206,062	40,444	2,165,618	383,749	17.85	5.5	2,206,062	17.85	16.67
T12.	HOLYROOD GAS TURBINE - COMBUSTOR OVERHAUL	12-SQ	0	3,088,487	56,622	3,031,865	283,640	8.54	11.5	3,088,487	8.54	8.33
V01.	VACUUM CLEANING SYSTEM	60-R4	0	72,451	66,980	5,471	212	0.29	25.8	6,099	3.48	1.77
V02.	VALVES - PENSTOCK	65-R3	0	7,567,760	2,366,964	5,200,796	128,332	1.70	40.1	5,558,323	2.31	1.81
V03.	VEHICLES - 1 TON	8-L4	15	51,648	16,140	27,761	5,047	9.77	5.5	51,648	9.77	11.29
V04.	VEHICLES - 3/4 TON AND UNDER	7-L3	15	5,167,170	3,260,796	1,131,298	203,617	3.94	5.6	4,033,711	5.05	13.71
V05.	VEHICLES - BOOMS/BODIES/Cranes/CAB/CHASSIS	12-L3	15	14,954,546	5,943,877	6,767,468	839,148	5.61	8.1	10,855,821	7.73	8.02
V06.	VEHICLES - CARS, STATION WAGONS AND VAN	6-L3	15	1,795,372	1,516,681	9,385	2,081	0.12	4.5	1,134,905	0.18	15.96
V07.	VEHICLES - DUMP TRUCKS	10-L5	15	11,535	11,535	(1,730)	0	0.00	0.0	0	-	10.28
W01.	WATER REGULATING STRUCTURES	65-S4	0	22,451,738	5,101,189	17,350,549	415,932	1.85	41.3	18,454,117	2.25	1.59
W02.	WATER SUPPLY SYSTEMS	30-L4	0	3,394,554	1,790,681	1,603,873	105,993	3.12	14.0	1,972,019	5.37	3.53
W03.	WATER SYSTEMS - FEED	55-R2.5	0	6,531,260	3,595,245	2,936,015	74,656	1.14	37.0	3,023,065	2.47	2.39
W04.	WATER TREATMENT	55-R2.5	0	11,921,573	6,449,340	5,472,233	134,521	1.13	40.3	6,307,665	2.13	2.39
	Sub-Total			2,458,776,655	852,381,210	1,600,456,929	49,040,034	1.99		1,756,107,129	2.79	

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
TABLE 1A. ESTIMATED SURVIVOR CURVES, ORIGINAL COST AND DEEMED COST AND ANNUAL ACCRUALS
RELATED TO PLANT IN SERVICE AS OF DECEMBER 31, 2015

ACCOUNT	ACCOUNT DESCRIPTION	SURVIVOR CURVE	NET SALVAGE PERCENTAGE	ORIGINAL COST DECEMBER 31, 2015	BOOK DEPRECIATION RESERVE	FUTURE ACCRUALS	ACCRUAL AMOUNT	ORIGINAL COST ACCRUAL RATE	COMPOSITE REMAINING LIFE	DEEMED COST DECEMBER 31, 2015	DEEMED COST ACCRUAL RATE	WHOLE LIFE ACCRUAL RATE
TRUCATION DATE												
31/31/2021												
HOLYROOD ASSETS												
A04.1	AUXILIARY POWER SYSTEMS	30-R4	0	620,866	313,020	307,846	58,749	9.46	5.2	492,554	11.93	24.32
B01.1	BATTERY AND POWER SYSTEMS	26-L1.5	0	106,627	45,121	61,506	13,957	13.09	4.4	86,099	16.21	24.53
B02.1	BOILER SYSTEM	40-R3	0	35,073,430	27,260,865	7,812,565	1,538,636	4.39	5.0	12,295,071	12.51	24.37
B05.1	BUILDINGS - OTHER	50-R0.5	0	1,300,250	763,274	536,976	104,628	8.05	5.1	859,162	12.18	25.12
B06.1	BUILDINGS - METAL	55-R3	0	72,011	39,551	32,460	6,195	8.60	5.2	51,935	11.93	24.35
C01.1	CABLES - TELECONTROL	30-R4	0	89,750	63,121	26,629	5,121	5.71	5.2	42,606	12.02	24.32
C03.1	CABLES - UNDERGROUND	60-S4	0	544,049	481,561	62,488	12,017	2.21	5.2	68,519	17.54	24.31
C04.1	CABLES - ABOVE GROUND	60-R4	0	629,827	560,583	69,244	13,419	2.13	5.2	78,084	17.19	24.32
C07.1	CHEMICAL FEED SYSTEMS	45-R4	0	77,164	66,656	10,508	2,024	2.62	5.2	16,813	12.04	24.32
C15.1	CONDENSERS	55-R3	0	2,329,667	2,087,816	241,851	46,983	2.02	5.1	386,962	12.14	24.35
C15.1	CONTROL, METERING, RELAYING	40-R3	0	119,880	48,437	71,443	13,634	11.37	5.2	115,036	11.85	24.37
E03.1	ENVIRONMENTAL EQUIPMENT	45-R2.5	0	1,280,261	883,404	396,857	76,415	5.97	5.2	624,419	12.24	24.45
F03.1	FIRE FIGHTING EQUIPMENT	50-R4	0	797,150	545,433	251,716	49,563	6.22	5.1	290,151	17.08	24.32
F04.1	FOOTINGS AND FOUNDATIONS	65-R3	0	56,613	46,927	9,685	1,866	3.30	5.2	10,668	17.49	24.34
F06.1	FUEL SYSTEMS	50-R1.5	0	13,309,152	7,877,261	5,431,891	1,050,852	7.90	5.2	8,233,153	12.76	24.70
G01.1	GAS TURBINE SYSTEMS	45-R3	0	24,645	23,906	739	146	0.59	5.0	887	16.46	24.36
G03.1	GENERATORS	65-S3	0	1,067,438	367,373	700,064	133,346	12.49	5.3	1,228,857	10.85	24.31
G06.1	GOVERNORS	45-S4	0	2,144,383	1,652,526	491,857	94,078	4.39	5.2	773,352	12.16	24.31
I02.1	INSTRUMENTATION	30-L0.5	0	6,727,326	4,902,728	1,824,598	379,394	5.64	4.8	2,327,089	16.30	24.94
I05.1	INVERTERS	25-S1.5	0	24,417	17,670	6,747	1,391	5.70	4.8	10,794	12.89	24.35
L03.1	LAND IMPROVEMENTS	75-R3	0	5,766	4,965	801	153	2.65	5.2	1,281	11.94	24.34
M02.1	MARINE TERMINAL	65-R4	0	468,523	388,934	109,589	20,895	4.46	5.2	175,342	11.92	24.32
M10.1	MISCELLANEOUS UNITS OF PROPERTY	22-R1.5	0	1,611,947	407,422	1,204,525	236,325	14.66	5.1	1,583,900	14.92	25.26
O02.1	OFFICE FURNITURE	20-SQ	0	59,975	48,674	10,302	4,121	6.99	2.5	16,483	25.00	24.31
P10.1	POWERHOUSE	75-R3	0	8,903,432	7,852,132	1,051,300	202,599	2.28	5.2	1,133,208	17.87	24.34
P12.1	PROTECTIVE CONTROL AND RELAY PANELS	35-R3	0	106,685	65,531	41,154	7,899	7.40	5.2	65,847	12.00	24.38
R13.1	ROADS	60-R4	0	1,659	1,635	224	43	2.31	5.2	248	17.35	24.32
S07.1	STACKS	50-R4	0	9,202,119	6,163,907	3,038,212	582,779	6.33	5.2	4,786,711	12.17	24.32
S08.1	STATIC EXCITATION SYSTEM	30-S4	0	1,461,435	1,004,244	457,191	332,027	22.72	1.4	23,359	49.52	24.32
T03.1	TRANSFORMERS	30-SQ	0	183,126	183,126	183,126	31,134	1.66	5.2	208,653	13.00	24.31
T09.1	TURBINES	55-R3	0	32,906	18,686	14,220	3,144	1.69	5.2	11,693	13.36	24.35
W03.1	WATER SYSTEMS - FEED	55-R2.5	0	27,077,572	14,099,810	13,077,762	2,700,859	9.97	5.2	20,046,663	13.46	24.43
W04.1	WATER TREATMENT	55-R2.5	0	2,818,634	1,772,494	1,046,140	203,526	7.22	5.1	1,270,349	16.03	24.43
				2,792,982	1,648,626	1,144,356	219,631	7.66	5.2	1,772,842	12.39	24.43
Sub-Total				121,362,565	80,595,081	40,767,483	8,162,069	6.72		59,963,868	13.61	
TOTAL				2,580,159,221	932,976,291	1,641,244,412	57,202,103	2.22		1,816,070,997	3.15	

Newfoundland and Labrador Hydro
2016 Depreciation Study



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
TABLE 1B. ESTIMATED SURVIVOR CURVES, ORIGINAL AND DEEMED COST AND ANNUAL ACCRUALS
RELATED TO PLANT IN SERVICE AS OF DECEMBER 31, 2015
COST OF REMOVAL

ACCOUNT	ACCOUNT DESCRIPTION	SURVIVOR CURVE	NET SALVAGE PERCENTAGE	ORIGINAL COST DECEMBER 31, 2015	DEPRECIATION RESERVE	FUTURE ACCRUALS	ACCUMULATED AMOUNT	ORIGINAL COST ACCRUAL RATE	COMPOSITE REMAINING LIFE	DEEMED COST DECEMBER 31, 2015	DEEMED COST ACCRUAL RATE	WHOLE LIFE ACCRUAL RATE
A01.	AIRCRAFT LANDING STRIP	33-R2	(6)	475,498	0	28,530	1,374	0.29	22.5	106,867	1.29	0.43
A04.	AUXILIARY POWER SYSTEMS	30-R4	(3)	6,064,939	0	181,648	17,864	0.29	21.0	3,875,070	0.46	0.18
B01.	BATTERY AND POWER SYSTEMS	26-L15	(3)	11,389,996	0	342,000	18,808	0.16	19.7	6,859,869	0.27	0.27
B02.	BOILER SYSTEM	40-R3	(8)	23,876,046	0	1,910,084	104,912	0.43	23.1	1,848,235	5.68	0.44
B03.	BOOMS - TIMBER	25-R2	0	175,556	0	0	0	0.00	8.6	112,339	-	-
B04.	BRIDGES	65-R4	(11)	4,254,290	0	467,972	12,358	0.29	42.7	965,004	1.28	0.33
B05.	BUILDINGS - OTHER	50-R0.5	(3)	69,176,761	0	2,075,302	55,540	0.08	39.3	40,332,978	0.14	0.22
B06.	BUILDINGS - METAL	55-R3	(3)	34,029,073	0	1,020,872	32,284	0.10	40.5	16,435,007	0.20	0.11
B07.	BUS DUCT GENERATOR	40-R4	(3)	1,465,108	0	43,663	2,358	0.16	29.1	985,315	0.24	0.13
B08.	BUSWORK AND HARDWARE	50-R4	(6)	7,307,906	0	584,632	24,380	0.33	30.4	3,340,456	0.73	0.32
C01.	CABLES - TELECONTROL	30-R4	(3)	2,643,339	0	179,301	9,414	0.11	26.5	393,321	0.177	0.18
C02.	CABLES - SUBMERGED	40-R4	(14)	2,111,116	0	1,297,356	64,114	0.72	20.9	2,776,322	2.11	0.59
C03.	CABLES - SUBMERGED	60-S4	(14)	2,807,356	0	1,677,130	83,135	0.58	36.8	1,865,448	0.59	0.51
C04.	CABLES - ABOVE GROUND	60-R4	(14)	10,950,929	0	1,477,130	49,135	0.46	36.8	4,604,725	1.07	0.44
C05.	CAPACITORS	35-R3	(3)	994,744	0	29,843	4,297	0.43	8.3	600,105	0.62	0.17
C06.	CHEMICAL FEED SYSTEMS	45-R4	(6)	509,132	0	30,548	1,808	0.35	20.6	18,552	9.75	0.24
C07.	CIRCUIT BREAKERS	60-R2.5	(8)	39,656,672	0	3,172,534	82,172	0.21	43.6	31,594,197	0.26	0.33
C09.	COMPRESSED AIR SYSTEMS	41-R1.5	0	16,666,710	0	0	0	0.00	26.8	14,222,905	-	-
C10.	COMPUTERS	55-SQ	0	4,869,775	0	0	0	0.00	4.0	4,407,813	-	-
C11.	CONDENSERS	50-R3	(3)	125,930	0	3,778	250	0.20	15.1	0	-	0.11
C12.	CONDUCTOR - TRANSMISSION	60-R3	(20)	67,322,774	0	13,464,554	443,858	0.66	31.8	42,025,239	1.06	0.68
C13.	CONDUCTOR - DISTRIBUTION	45-R3	(14)	34,320,050	0	4,804,807	190,688	0.55	30.2	18,601,762	1.03	0.65
C14.	CONTROL, METERING, RELAYING	40-R3	0	29,645,208	0	0	0	0.00	27.7	18,702,830	-	-
C15.	COOLING SYSTEMS	40-R1.5	(3)	10,007,038	0	300,211	11,276	0.12	28.0	7,732,067	0.15	0.20
C16.	COUNTERPOISE	55-R2.5	(6)	6,902,089	0	217,385	7,511	0.21	32.2	2,310,209	0.33	0.24
C17.	CRANES	70-R3	(3)	3,622,142	0	207,064	5,088	0.07	41.8	6,044,509	0.08	0.09
C18.	DAMS, DYKES, CANALS AND TUNNELS	110-R4	(8)	361,909,256	0	28,952,740	385,472	0.10	75.4	340,976,393	0.11	0.15
D01.	DIESEL SYSTEMS AND ENGINES	25-L0.5	(11)	41,897,351	0	4,608,708	265,556	0.64	19.1	27,128,109	0.98	1.39
D02.	DISCONNECT SWITCHES	55-R2.5	(3)	20,883,528	0	19,129	8,047	0.09	41.5	15,314,119	0.12	0.12
D03.	DYKES AND LINERS	42-L1.5	(8)	2,477,333	0	198,186	8,047	0.32	30.1	745,693	1.08	0.50
D04.	ELEVATORS	45-S5	(3)	89,800	0	2,694	604	0.67	4.5	0	-	0.11
E01.	EMS EQUIPMENT	35-R2.5	0	12,917,219	0	0	0	0.00	25.0	189,571	-	-
E02.	ENVIRONMENTAL EQUIPMENT	45-R2.5	0	935,876	0	0	0	0.00	22.6	349,053	-	-
E03.	FALL ARREST EQUIPMENT	15-R4	0	2,509,020	0	0	0	0.00	10.5	2,007,509	-	-
F01.	FENCING	52-R3	(3)	7,555,589	0	226,668	6,653	0.09	41.4	4,183,349	0.16	0.11
F02.	FIRE FIGHTING EQUIPMENT	50-R4	0	13,906,919	0	0	0	0.00	42.8	8,924,743	-	-
F03.	FOOTINGS AND FOUNDATIONS	65-R3	(8)	20,413,239	0	1,633,059	43,987	0.22	42.5	12,276,179	0.36	0.27
F04.	FREQUENCY CONVERSION	45-S4	0	2,453,577	0	0	0	0.00	35.5	755,877	-	-
F05.	FUEL SYSTEMS	50-R1.5	(11)	28,513,898	0	3,136,529	91,557	0.32	34.3	19,575,128	0.47	0.67
F06.	GAS TURBINE SYSTEMS	80-R4	(2)	69,325,761	0	1,386,515	43,819	0.07	37.3	46,097,528	0.10	0.08
G01.	GATES	45-R3	(8)	19,048,533	0	1,523,882	32,043	0.17	48.8	16,590,695	0.19	0.20
G02.	GENERATORS	65-S3	(8)	105,132,875	0	8,410,630	211,119	0.21	45.4	79,119,107	0.27	0.25
G03.	GENERATOR - WINDINGS	50-S3	(14)	24,614,758	0	1,969,180	42,361	0.17	46.7	17,789,053	0.24	0.32
G04.	GLYCOL SYSTEMS	45-S4	(8)	530,654	0	42,452	2,440	0.46	17.4	96,436	2.48	0.40
G05.	GOVENORS	55-R4	(6)	7,840,659	0	1,097,693	64,598	0.82	18.5	6,562,967	0.98	0.58
G06.	GROUND WIRE SYSTEM	55-R4	(6)	10,370,352	0	622,221	19,634	0.19	37.3	7,515,444	0.26	0.19
G07.	INSULATION	30-L0.5	0	5,967,398	0	0	0	0.00	25.0	1,113,173	-	-
I02.	INTAKE STRUCTURES	35-L3	0	41,988,322	0	0	0	0.00	21.6	25,983,406	-	-
I04.	INVERTERS	110-R4	(6)	19,436,445	0	1,554,916	20,774	0.11	75.3	18,225,951	0.11	0.15
I05.	LAND IMPROVEMENTS	25-S1.5	(6)	321,505	0	41,721	17,362	0.33	6.4	176,682	9.83	0.72
L03.	LIGHTING SYSTEMS	75-R3	0	14,136,794	0	0	0	0.00	53.7	5,735,273	-	-
L04.	LIGHTNING ARRESTORS	58-R3	0	6,350,503	0	0	0	0.00	41.5	483,742	-	-
L06.	LINE COUPLING EQUIPMENT	24-R5	0	11,126	0	0	0	0.00	4.5	3,994,625	-	-
M01.	MAIN BREAKERS	42-R0.5	(8)	552,940	0	44,235	1,395	0.26	33.2	288,042	0.48	0.76
M02.	MARINE TERMINAL	65-R4	(6)	3,833,371	0	230,032	3,681	0.10	62.5	860,754	0.43	0.16
M03.	METALCLAD SWITCHGEAR CUBEQU 4w/600	35-R5	(8)	2,233,645	0	134,019	5,817	0.26	31.5	669,662	0.87	0.24
M04.	METER TEST SWITCHES	37-R3	0	58,301	0	0	0	0.00	11.6	13,519	-	-
M05.	METERING TANKS	35-R5	0	660,416	0	0	0	0.00	29.2	438,378	-	-
M06.	METERS - ANALOGUE	20-L3	0	5,874,668	0	0	0	0.00	12.9	4,566,868	-	-
M07.	METERS - DIGITAL	25-L4	0	698,384	0	0	0	0.00	9.1	76,225	-	-
M08.	METERS - OTHER	22-R1.5	0	262,853	0	0	0	0.00	11.4	166,747	-	-
M10.	MISCELLANEOUS UNITS OF PROPERTY	22-R1.5	0	25,815,956	0	0	0	0.00	17.7	24,143,424	-	-



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
TABLE 1B. ESTIMATED SURVIVOR CURVES, ORIGINAL AND DEEMED COST AND ANNUAL ACCRUALS
RELATED TO PLANT IN SERVICE AS OF DECEMBER 31, 2015
COST OF REMOVAL

ACCOUNT	ACCOUNT DESCRIPTION	SURVIVOR CURVE	NET SALVAGE PERCENTAGE	ORIGINAL COST DECEMBER 31, 2015	DEPRECIATION RESERVE	FUTURE ACCRUALS	ACCRUAL AMOUNT	ORIGINAL COST ACCRUAL RATE	COMPOSITE REMAINING LIFE	DEEMED COST DECEMBER 31, 2015	DEEMED COST ACCRUAL RATE	WHOLE LIFE ACCRUAL RATE
M11.	MOBILE - A.T.V.'S AND SNOWMOBILES	6-L3	0	1,906,739	0	0	0	0.00	4.0	1,630,167	-	-
M12.	MOBILE - AIR COMPRESSOR ATTACHMENT AND BOAT	20-L0	0	432,046	0	0	0	0.00	17.3	131,888	-	-
M13.	MOBILE - ARGOS	9-R5	0	287,287	0	0	0	0.00	0.0	180,781	-	-
M14.	MOBILE - FLEXFORKLOAD/GRADE/MUSK/TRAILER	18-L3	0	10,981,312	0	0	0	0.00	13.5	7,185,044	-	-
M16.	MULTI-PLEX EQUIPMENT	18-S1.5	0	2,812,217	0	0	0	0.00	11.3	822,074	-	-
O01.	OFFICE FURNITURE	20-SQ	0	1,286,440	0	0	0	0.00	15.0	731,009	-	-
O02.	OFFICE FURNITURE	20-SQ	0	1,477,990	0	0	0	0.00	13.5	743,513	-	-
P01.	P.C.B. STORAGE CONTAINER	30-R4	0	42,680	0	0	0	0.00	7.7	1,483	-	-
P02.	PABX - PRIVATE AUTO BRANCH EXCHANGE	20-R4	0	1,811,009	0	0	0	0.00	10.6	277,679	-	-
P03.	PEN STOCK	70-R4	(6)	98,908,421	0	4,712,674	145,974	0.25	33.4	44,875,320	0.33	0.23
P04.	POLE CRIBS AND POLE HARDWARE	35-S2.5	(20)	118,371,156	0	23,674,231	1,142,374	0.96	24.0	82,813,901	1.38	1.10
P05.	POLE STRUCTURES - WOOD	25-R3	(20)	128,170,285	0	25,958,057	7,162	0.99	36.3	89,075,941	0.87	0.72
P06.	POLES - CONCRETE	25-R4	(20)	128,170,285	0	25,958,057	7,162	0.99	36.3	89,075,941	0.87	0.72
P07.	POLES - WOOD	43-R1	(20)	72,604,130	0	14,520,926	464,781	0.64	32.2	48,437,005	0.94	1.62
P08.	POWER LINE CARRIER	25-R3	(6)	4,974,572	0	298,294	23,859	0.48	14.6	789,195	2.99	0.46
P09.	POWER SYSTEMS	20-L3	(6)	669,592	0	39,876	4,300	0.64	10.0	457,452	0.94	0.57
P10.	POWERHOUSE	75-R3	(8)	93,718,745	0	7,487,499	169,522	0.18	45.2	77,547,345	0.22	0.24
P11.	PRINTERS	6-SQ	0	1,038,001	0	0	0	0.00	4.4	968,970	-	-
P12.	PROTECTIVE CONTROL AND RELAY PANELS	35-R3	0	9,507,129	0	0	0	0.00	29.1	7,232,549	-	-
R01.	RADIO TOWERS (WOOD OR STEEL)	48-R3	(14)	9,759,106	0	1,366,275	37,759	0.39	37.0	3,006,850	1.26	0.61
R02.	RADIOS - FIXED MICROWAVE EQUIPMENT	19-R5	0	6,212,764	0	0	0	0.00	9.8	1,854,531	-	-
R03.	RADIOS - FIXED UHF EQUIPMENT	15-L0.5	0	101,662	0	0	0	0.00	10.6	81,822	-	-
R04.	RADIOS - MOBILE VHF EQUIPMENT	15-R4	0	560,166	0	0	0	0.00	10.9	153,938	-	-
R05.	RADIOS - MOBILE VHF BASE STATION	15-R4	0	7,278,664	0	0	0	0.00	7.0	3,124,097	-	-
R06.	RAMPS - YARD STORAGE	40-S4	0	1,225,065	0	0	0	0.00	16.8	935,272	-	-
R07.	REACTORS AND RESISTORS	48-R3	0	1,225,065	0	0	0	0.00	21.4	903,491	-	-
R08.	RECLOSERS	40-S0.5	(8)	5,667,640	0	572,689	18,065	0.25	38.1	4,572,762	0.40	0.36
R09.	REGULATORS	35-R3	(8)	5,667,640	0	453,411	18,933	0.33	29.3	3,706,121	0.51	0.33
R10.	REVENUE METERING	65-R4	0	1,242,916	0	0	0	0.00	20.9	849,542	-	-
R11.	RIGHT-OF-WAYS	60-R4	(8)	21,729,649	0	6,755,260	223,049	0.26	30.5	12,488,097	0.30	0.27
R12.	ROADS	5-SQ	0	84,440,747	0	0	0	0.00	4.1	75,174,354	-	-
R13.	ROUTERS AND LAN	20-L3	0	2,730,978	0	0	0	0.00	12.7	2,448,737	-	-
R14.	RUNNER	55-R5	0	11,669,844	0	0	0	0.00	13.6	6,821,838	-	-
S01.	SCADA EQUIPMENT	7-SQ	0	4,929,933	0	0	0	0.00	4.0	2,481,772	-	-
S02.	SECTIONALIZERS	55-R4	0	154,009	0	0	0	0.00	5.6	45,666	-	-
S03.	SERVERS	7-SQ	(6)	3,019,204	0	0	0	0.00	41.4	1,643,300	0.41	0.19
S04.	SEWAGE DISPOSAL SYSTEM	7-SQ	(6)	2,919,319	0	175,159	4,593	0.15	3.4	1,121,167	-	-
S05.	SOFTWARE	110-R4	0	10,061,799	0	0	0	0.00	75.2	8,980,374	-	-
S06.	SPILLWAY STRUCTURES	55-R4	(8)	28,120,270	0	2,249,621	30,004	0.10	48.2	26,004,636	0.12	0.15
S07.	STACKS	32-R4	(6)	7,860,850	0	628,068	16,098	0.20	6.5	4,868,525	0.33	0.29
S08.	STATIC EXCITATION SYSTEM	46-R4	(6)	8,333,065	0	499,984	167,515	2.01	15.7	5,117,789	3.27	0.33
S09.	STATIC EXCITATION - TRANSFORMERS	50-R4	(6)	734,327	0	44,059	2,827	0.38	28.1	396,643	17.09	0.24
S10.	STATION SERVICE	65-R4	(6)	5,233,336	0	314,000	14,642	0.28	34.2	3,966,436	0.37	0.21
S11.	STOP LOGS	30-R3	0	3,114,097	0	0	0	0.00	0.0	2,650,931	-	-
S12.	STORAGE PALLETS AND RACKINGS	55-R4	0	14,403	0	0	0	0.00	38.8	283,067	-	-
S13.	STORM AND YARD DRAINAGE	20-R2	(6)	1,308,713	0	0	0	0.00	12.5	2,805,557	0.85	0.68
S14.	STREET LIGHTS	55-R4	(6)	3,874,989	0	232,500	23,891	0.62	35.4	6,251,538	0.40	0.19
S15.	STRUCTURAL SUPPORTS (WOOD OR STEEL)	55-R4	(6)	11,677,509	0	700,657	25,273	0.22	17.9	501,992	-	-
S17.	SUMP SYSTEMS	60-R4	0	667,245	0	0	0	0.00	37.5	4,069,680	-	-
S18.	SURGE SYSTEMS	38-S0.5	0	1,650,032	0	0	0	0.00	23.9	7,525,863	-	-
S19.	STATION SWITCHING	20-L1.5	0	2,150,039	0	0	0	0.00	31.4	2,150,039	-	-
S20.	TELEPHONE SYSTEMS - L.V.	20-L1.5	0	12,429,279	0	0	0	0.00	14.8	6,362,279	-	-
T01.	TELECONTROL SYSTEM	20-SQ	0	1,955,314	0	0	0	0.00	14.3	855,268	-	-
T02.	TEST EQUIPMENT	65-R4	0	1,434,328	0	0	0	0.00	38.9	636,862	-	-
T03.	TOOLS AND EQUIPMENT	65-R4	(20)	77,729,424	0	15,547,885	432,964	0.55	31.8	54,002,115	0.80	0.57
T04.	TOWERS	55-R3	(6)	89,255,274	0	201,653	20,653	0.23	38.9	55,908,373	0.21	0.21
T05.	TRANSFORMERS - OTHER	40-R1.5	(8)	17,723,562	0	1,417,893	40,372	0.23	36.8	16,355,856	0.35	0.26
T06.	TRANSFORMERS - PAD MOUNT	30-L1	(8)	37,040,457	0	2,963,236	136,116	0.37	22.9	29,543,794	0.46	0.77
T07.	TRANSFORMERS - POLE MOUNT	55-R2.5	(14)	65,159,636	0	9,122,349	333,332	0.52	29.9	42,271,663	0.79	0.60



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
TABLE 1B. ESTIMATED SURVIVOR CURVES, ORIGINAL AND DEEMED COST AND ANNUAL ACCRUALS
RELATED TO PLANT IN SERVICE AS OF DECEMBER 31, 2015
COST OF REMOVAL

ACCOUNT	ACCOUNT DESCRIPTION	SURVIVOR CURVE	NET SALVAGE PERCENTAGE	ORIGINAL COST DECEMBER 31, 2015	DEPRECIATION RESERVE	FUTURE ACCRUALS	ACCRUAL AMOUNT	ORIGINAL COST ACCRUAL RATE	COMPOSITE REMAINING LIFE	DEEMED COST DECEMBER 31, 2015	DEEMED COST ACCRUAL RATE	WHOLE LIFE ACCRUAL RATE
T10.	HOLYROOD GAS TURBINE - COMBUSTOR OVERHAUL	3-SQ	0	2,206,062	0	0	0	0.00	2.5	2,206,062	-	-
T11.	HOLYROOD GAS TURBINE - TURBINE OVERHAUL	6-SQ	0	2,206,062	0	0	0	0.00	5.5	2,206,062	-	-
T12.	HOLYROOD GAS TURBINE - COMBUSTOR OVERHAUL	12-SQ	0	3,088,487	0	0	0	0.00	11.5	3,088,487	-	-
V01.	VACUUM CLEANING SYSTEM	60-R4	0	72,451	0	0	0	0.00	25.8	6,099	-	-
V02.	VALVES - PENSTOCK	65-R3	(8)	7,967,760	0	605,421	16,573	0.21	40.1	5,598,323	0.30	0.27
V03.	VEHICLES - 1 TON	8-L4	0	51,648	0	0	0	0.00	5.5	51,648	-	-
V04.	VEHICLES - 3/4 TON AND UNDER	7-L3	0	5,167,170	0	0	0	0.00	5.6	4,033,711	-	-
V05.	VEHICLES - BOOMS/BODIES/Cranes/CAB/CHASSIS	12-L3	0	14,954,546	0	0	0	0.00	8.1	10,855,821	-	-
V06.	VEHICLES - CARS, STATION WAGONS AND VAN	6-L3	0	1,795,372	0	0	0	0.00	4.5	1,134,905	-	-
V07.	VEHICLES - DUMP TRUCKS	10-L5	0	11,535	0	0	0	0.00	0.0	0	-	-
W01.	WATER REGULATING STRUCTURES	65-S4	(6)	22,461,738	0	1,796,139	47,213	0.21	41.3	18,454,117	0.26	0.24
W02.	WATER TREATMENT SYSTEMS	65-L4	(6)	3,151,564	0	211,564	26,726	0.83	14.0	1,972,089	1.43	0.58
W03.	WATER SYSTEMS FEED	55-R2.5	(6)	3,691,260	0	522,501	17,725	0.19	37.0	2,972,085	0.62	0.36
W04.	WATER TREATMENT	55-R2.5	(6)	11,921,573	0	715,295	18,997	0.16	40.3	6,902,665	0.30	0.24
Sub-Total				2,458,776,655	0	217,605,468	7,038,181	0.29		1,756,107,129	0.40	



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
TABLE 1B. ESTIMATED SURVIVOR CURVES, ORIGINAL AND DEEMED COST AND ANNUAL ACCRUALS
RELATED TO PLANT IN SERVICE AS OF DECEMBER 31, 2015
COST OF REMOVAL

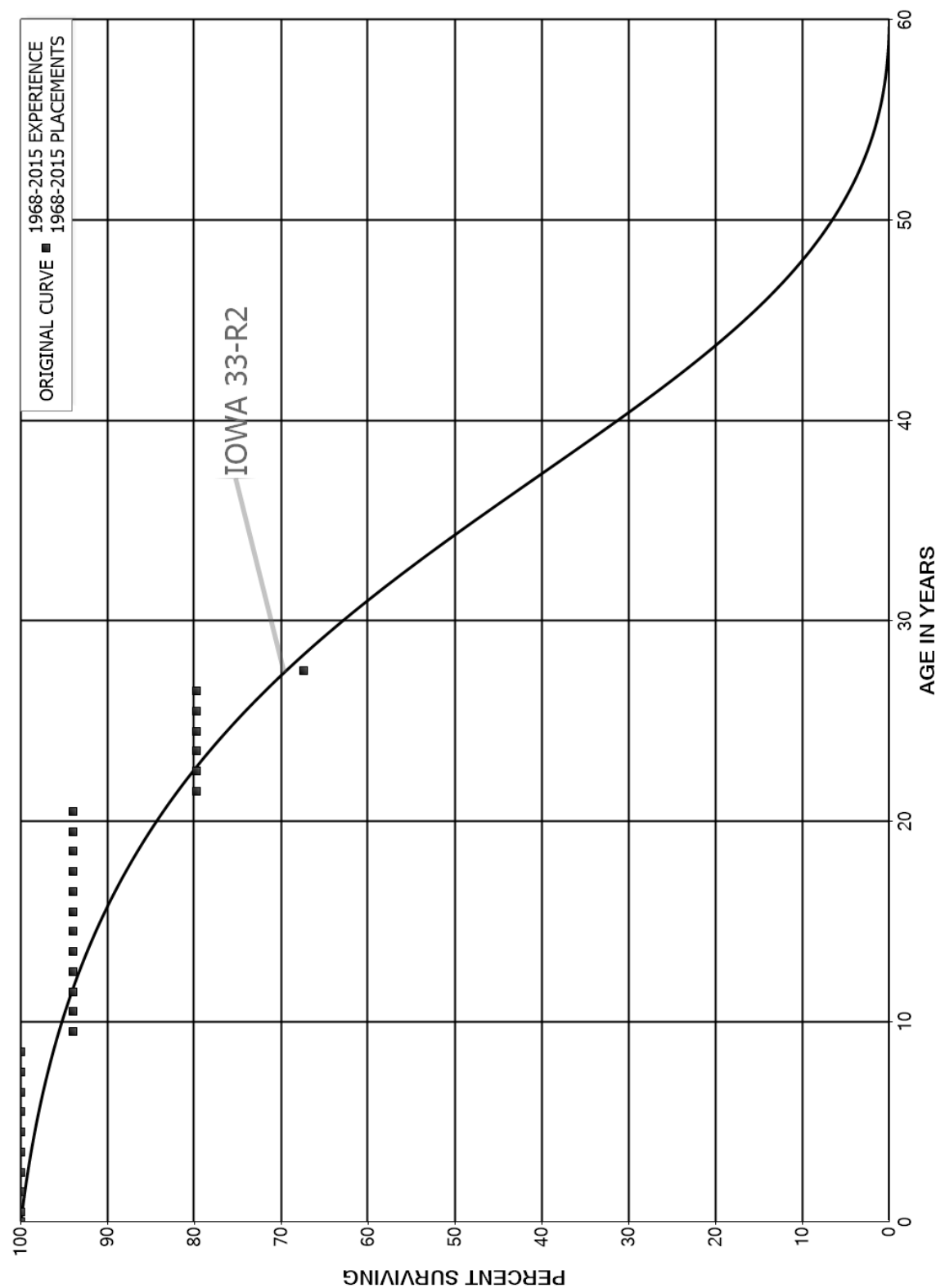
ACCOUNT	ACCOUNT DESCRIPTION	TRUNCATION DATE	SURVIVOR CURVE	NET SALVAGE PERCENTAGE	ORIGINAL COST DECEMBER 31, 2015	DEPRECIATION RESERVE	FUTURE ACCRUALS	ACCURUAL AMOUNT	ORIGINAL COST ACCRUAL RATE	COMPOSITE REMAINING LIFE	DEEMED COST DECEMBER 31, 2015	DEEMED COST ACCRUAL RATE	WHOLE LIFE ACCRUAL RATE
HOLYROOD ASSETS													
A04.1	AUXILIARY POWER SYSTEMS	3/31/2021	30-R4	(3)	620,866	0	18,626	3,555	0.58	5.2	492,554	0.72	1.21
B01.1	BATTERY AND POWER SYSTEMS		26-L15	(3)	106,627	0	3,199	764	0.72	4.4	86,099	0.89	1.22
B02.1	BOILER SYSTEM		40-R3	(8)	35,073,430	0	2,805,875	576,238	1.64	5.0	12,295,071	4.69	3.65
B05.1	BUILDINGS - OTHER		50-R0.5	(3)	1,300,250	0	39,007	7,601	0.58	5.1	859,162	0.88	1.26
B06.1	BUILDINGS - METAL		55-R3	(3)	72,011	0	2,160	412	0.57	5.2	51,935	0.79	1.22
C01.1	CABLES - TELECONTROL		30-R4	(3)	89,750	0	2,692	518	0.57	5.2	42,606	1.22	1.21
C03.1	CABLES - UNDERGROUND		60-S4	(14)	944,049	0	76,167	14,647	2.69	5.2	68,519	21.38	6.08
C04.1	CABLES - ABOVEGROUND		60-R4	(14)	629,827	0	88,176	17,089	2.71	5.2	78,084	21.89	6.08
C07.1	CHEMICAL FEED SYSTEMS		45-R4	(6)	77,164	0	4,630	883	1.16	5.2	16,813	5.31	2.43
C12.1	CONDENSERS		55-R3	(3)	2,329,687	0	69,890	13,684	0.58	5.1	386,962	3.54	1.22
C13.1	CONTROL, METERING, RELAYING		45-R2.5	(6)	1,093,880	0	0	0	0.00	5.2	1,093,880	-	-
E03.1	ENGINEERING EQUIPMENT		45-R2.5	(6)	1,200,121	0	0	0	0.00	5.2	1,200,121	-	-
F01.1	FIRE FIGHTING EQUIPMENT		60-R4	(3)	57,690	0	0	0	0.00	5.2	57,690	-	-
F04.1	FOOTINGS AND FOUNDATIONS		60-R3	(9)	56,613	0	4,529	873	1.54	5.2	20,415	8.18	3.65
F06.1	FUEL SYSTEMS		50-R1.5	(11)	13,309,152	0	1,464,007	285,329	2.14	5.2	8,233,153	3.47	4.94
G01.1	GASTURBINE SYSTEMS		45-R3	(2)	24,545	0	85,395	98	0.40	5.0	1,228,857	11.05	0.73
G03.1	GENERATORS		65-S3	(8)	1,067,438	0	16,284	1,533	1.53	5.3	773,352	1.32	3.65
G06.1	GOVERNORS		45-S4	(14)	2,144,383	0	300,214	57,794	2.69	5.2	2,327,089	7.47	6.08
I02.1	INSTRUMENTATION		30-L0.5	(3)	6,727,326	0	0	0	0.00	4.8	6,727,326	-	-
I05.1	INVERTERS		25-S1.5	(8)	24,417	0	1,953	405	1.66	4.8	10,794	3.75	3.66
L03.1	LAND IMPROVEMENTS		75-R3	(3)	5,766	0	0	0	0.00	5.2	5,766	-	-
M02.1	MARINE TERMINAL		65-R4	(6)	468,523	0	28,111	5,363	1.14	5.2	175,342	3.06	2.43
M10.1	MISCELLANEOUS UNITS OF PROPERTY		22-R1.5	(3)	1,611,947	0	0	0	0.00	5.1	1,583,560	-	-
O02.1	OFFICE FURNITURE		20-SQ	(3)	58,975	0	0	0	0.00	2.5	16,483	-	-
P10.1	POWERHOUSE		75-R3	(8)	8,903,432	0	712,275	137,239	1.54	5.2	1,133,208	12.11	3.65
P12.1	PROTECTIVE CONTROL AND RELAY PANELS		35-R3	(3)	106,685	0	0	0	0.00	5.2	106,685	-	-
R13.1	ROADS		60-R4	(8)	1,859	0	149	29	1.56	5.2	248	11.70	3.65
S07.1	STACKS		55-R4	(8)	9,202,119	0	736,169	144,478	1.57	5.2	4,786,711	3.02	3.65
S08.1	STATIC EXCITATION SYSTEM		32-R4	(6)	1,461,435	0	87,686	70,971	4.86	1.4	729,359	9.73	2.43
T03.1	TOOLS AND EQUIPMENT		20-SQ	(3)	351,262	0	0	0	0.00	5.2	351,262	-	-
T05.1	TRANSFORMERS		55-R3	(6)	126,690	0	7,602	1,451	1.14	5.2	126,690	1.15	2.43
T09.1	TURBINES		55-R2.5	(14)	27,077,372	0	3,790,832	730,053	2.70	5.2	20,041,663	3.64	6.11
W03.1	WATER SYSTEMS - FEED		55-R2.5	(8)	2,818,634	0	225,491	44,198	1.57	5.1	1,270,349	1.57	3.66
W04.1	WATER TREATMENT		55-R2.5	(6)	2,792,982	0	167,578	32,417	1.16	5.2	1,772,842	1.83	2.44
Sub-Total					121,382,565	0	10,722,906	2,162,353	1.78		59,963,868	3.61	
TOTAL					2,580,159,221	0	228,328,374	9,200,534	0.36		1,816,070,997	0.51	



PART V. SERVICE LIFE STATISTICS

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT A01 - AIRCRAFT LANDING STRIP
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT A01 - AIRCRAFT LANDING STRIP

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	583,066		0.0000	1.0000	100.00
0.5	580,763		0.0000	1.0000	100.00
1.5	580,763		0.0000	1.0000	100.00
2.5	580,763		0.0000	1.0000	100.00
3.5	580,763		0.0000	1.0000	100.00
4.5	580,763		0.0000	1.0000	100.00
5.5	580,763		0.0000	1.0000	100.00
6.5	580,763		0.0000	1.0000	100.00
7.5	580,763		0.0000	1.0000	100.00
8.5	580,763	35,373	0.0609	0.9391	100.00
9.5	467,000		0.0000	1.0000	93.91
10.5	467,000		0.0000	1.0000	93.91
11.5	467,000		0.0000	1.0000	93.91
12.5	467,000		0.0000	1.0000	93.91
13.5	467,000		0.0000	1.0000	93.91
14.5	467,000		0.0000	1.0000	93.91
15.5	467,000		0.0000	1.0000	93.91
16.5	467,000		0.0000	1.0000	93.91
17.5	467,000		0.0000	1.0000	93.91
18.5	467,000		0.0000	1.0000	93.91
19.5	467,000		0.0000	1.0000	93.91
20.5	467,000	70,746	0.1515	0.8485	93.91
21.5	201,633		0.0000	1.0000	79.68
22.5	9,425		0.0000	1.0000	79.68
23.5	9,425		0.0000	1.0000	79.68
24.5	9,425		0.0000	1.0000	79.68
25.5	9,425		0.0000	1.0000	79.68
26.5	9,425	1,449	0.1537	0.8463	79.68
27.5	7,976		0.0000	1.0000	67.43
28.5	7,976		0.0000	1.0000	67.43
29.5	7,976		0.0000	1.0000	67.43
30.5	7,976		0.0000	1.0000	67.43
31.5	7,976		0.0000	1.0000	67.43
32.5	7,976		0.0000	1.0000	67.43
33.5	7,976		0.0000	1.0000	67.43
34.5	7,976		0.0000	1.0000	67.43
35.5	7,976		0.0000	1.0000	67.43
36.5	7,976		0.0000	1.0000	67.43
37.5	7,976		0.0000	1.0000	67.43
38.5	7,976		0.0000	1.0000	67.43

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

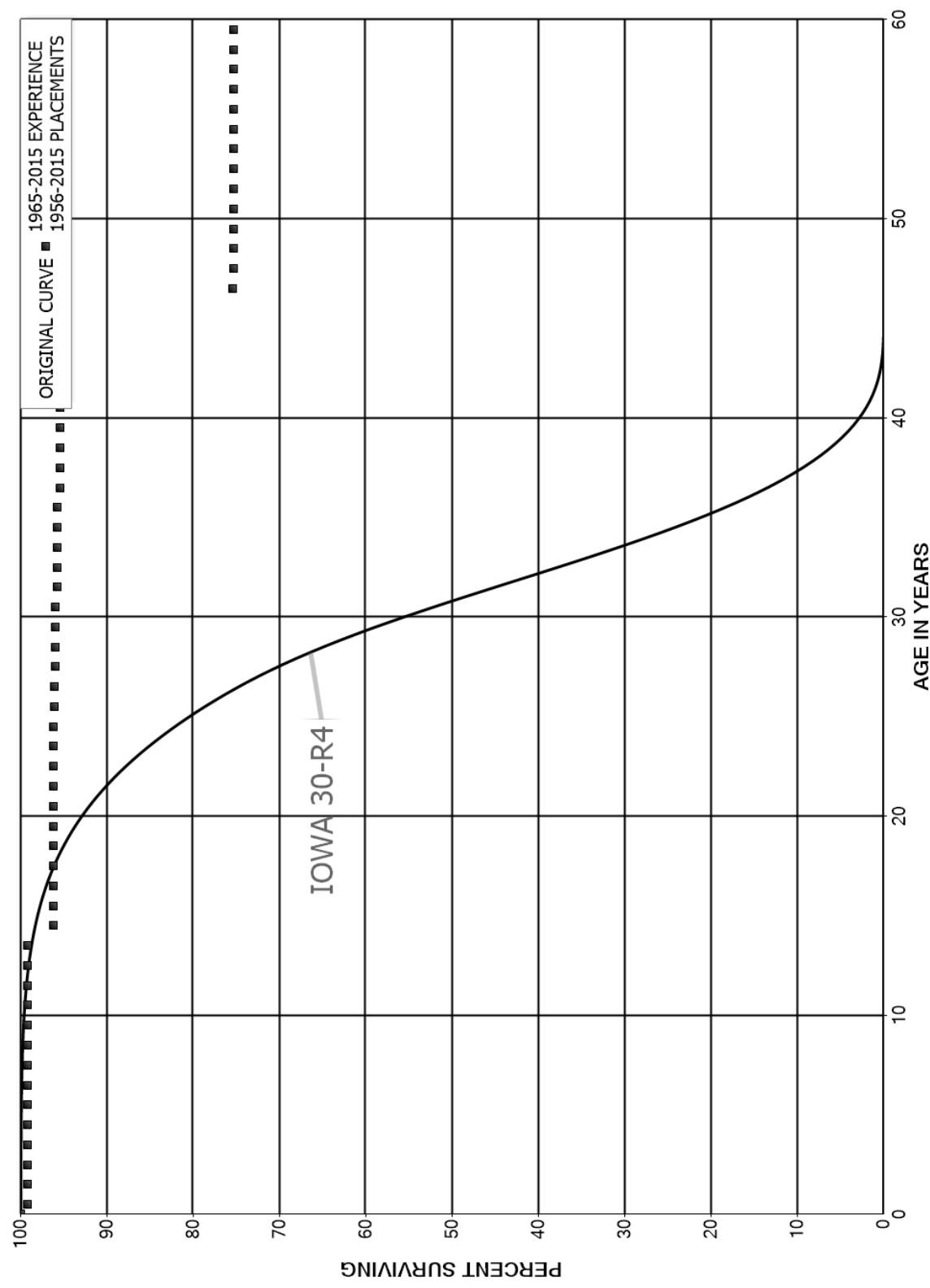
ACCOUNT A01 - AIRCRAFT LANDING STRIP

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	7,976		0.0000	1.0000	67.43
40.5	7,976		0.0000	1.0000	67.43
41.5					67.43

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT A04 - AUXILIARY POWER SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT A04 - AUXILIARY POWER SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1956-2015			EXPERIENCE BAND 1965-2015		
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	6,844,251	56,321	0.0082	0.9918	100.00
0.5	5,450,620		0.0000	1.0000	99.18
1.5	5,450,620		0.0000	1.0000	99.18
2.5	4,648,143		0.0000	1.0000	99.18
3.5	4,435,128		0.0000	1.0000	99.18
4.5	4,375,301		0.0000	1.0000	99.18
5.5	3,417,839		0.0000	1.0000	99.18
6.5	3,417,839		0.0000	1.0000	99.18
7.5	3,417,839		0.0000	1.0000	99.18
8.5	3,503,309		0.0000	1.0000	99.18
9.5	3,503,309	88,784	0.0000	1.0000	99.18
10.5	3,405,766		0.0000	1.0000	99.18
11.5	3,405,766		0.0000	1.0000	99.18
12.5	2,957,369		0.0000	1.0000	99.18
13.5	2,957,369		0.0300	0.9700	99.18
14.5	2,500,316		0.0000	1.0000	96.20
15.5	2,336,231		0.0000	1.0000	96.20
16.5	2,320,175		0.0000	1.0000	96.20
17.5	2,320,175		0.0000	1.0000	96.20
18.5	2,320,175		0.0000	1.0000	96.20
19.5	2,320,175	4,435	0.0000	1.0000	96.20
20.5	2,320,175		0.0000	1.0000	96.20
21.5	2,320,175		0.0000	1.0000	96.20
22.5	2,320,175		0.0000	1.0000	96.20
23.5	2,256,451		0.0000	1.0000	96.20
24.5	2,256,451		0.0020	0.9980	96.20
25.5	2,252,016		0.0000	1.0000	96.01
26.5	1,571,875		0.0009	0.9991	96.01
27.5	1,404,505		0.0000	1.0000	95.92
28.5	1,404,505		0.0000	1.0000	95.92
29.5	1,404,505	2,233	0.0000	1.0000	95.92
30.5	1,404,505		0.0016	0.9984	95.92
31.5	1,181,198		0.0000	1.0000	95.77
32.5	1,137,700		0.0000	1.0000	95.77
33.5	724,162		0.0000	1.0000	95.77
34.5	724,162		0.0000	1.0000	95.77
35.5	588,602		0.0041	0.9959	95.77
36.5	486,440		0.0000	1.0000	95.38
37.5	484,440		0.0000	1.0000	95.38
38.5	484,440		0.0000	1.0000	95.38

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

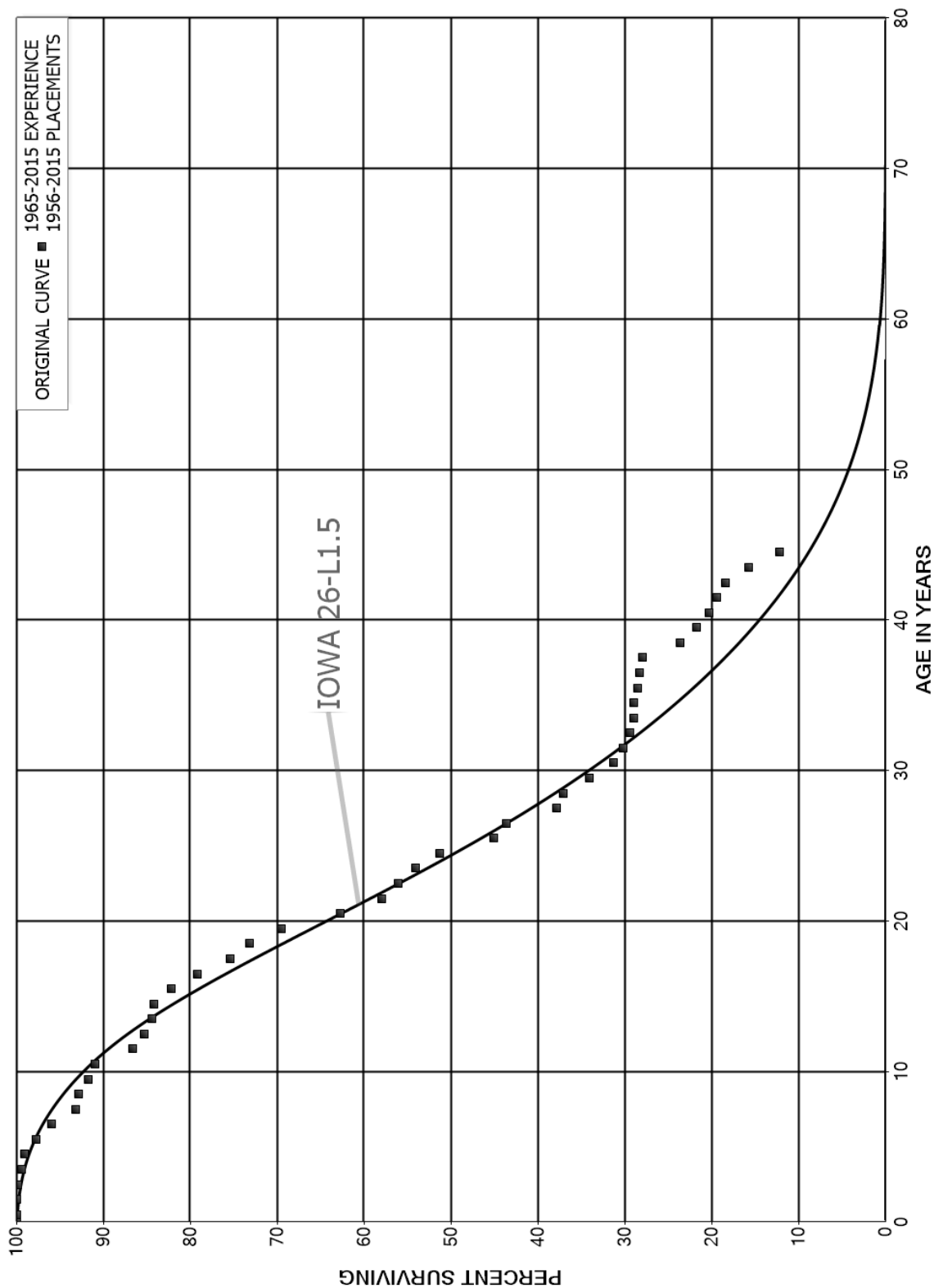
ACCOUNT A04 - AUXILIARY POWER SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1956-2015			EXPERIENCE BAND 1965-2015		
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	484,440		0.0000	1.0000	95.38
40.5	484,440		0.0000	1.0000	95.38
41.5	479,390		0.0000	1.0000	95.38
42.5	479,390		0.0000	1.0000	95.38
43.5	479,390		0.0000	1.0000	95.38
44.5	479,390		0.0000	1.0000	95.38
45.5	467,390	98,000	0.2097	0.7903	95.38
46.5	369,390	289	0.0008	0.9992	75.38
47.5	369,101		0.0000	1.0000	75.32
48.5	369,101		0.0000	1.0000	75.32
49.5	85,470		0.0000	1.0000	75.32
50.5	85,470		0.0000	1.0000	75.32
51.5	85,470		0.0000	1.0000	75.32
52.5	85,470		0.0000	1.0000	75.32
53.5	85,470		0.0000	1.0000	75.32
54.5	85,470		0.0000	1.0000	75.32
55.5	85,470		0.0000	1.0000	75.32
56.5	85,470		0.0000	1.0000	75.32
57.5	85,470		0.0000	1.0000	75.32
58.5	85,470		0.0000	1.0000	75.32
59.5					75.32

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT B01 - BATTERY AND POWER SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B01 - BATTERY AND POWER SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1956-2015

EXPERIENCE BAND 1965-2015

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	15,741,039		0.0000	1.0000	100.00
0.5	14,914,911		0.0000	1.0000	100.00
1.5	14,548,815	31,712	0.0022	0.9978	100.00
2.5	13,711,017	47,671	0.0035	0.9965	99.78
3.5	12,451,002	40,274	0.0032	0.9968	99.44
4.5	11,702,891	159,679	0.0136	0.9864	99.11
5.5	10,984,190	207,966	0.0189	0.9811	97.76
6.5	10,009,380	288,121	0.0288	0.9712	95.91
7.5	9,362,565	34,448	0.0037	0.9963	93.15
8.5	8,847,535	107,713	0.0122	0.9878	92.81
9.5	8,339,058	67,934	0.0081	0.9919	91.68
10.5	7,835,000	371,208	0.0474	0.9526	90.93
11.5	7,037,952	106,152	0.0151	0.9849	86.62
12.5	5,559,047	59,727	0.0107	0.9893	85.32
13.5	5,492,709	13,768	0.0025	0.9975	84.40
14.5	4,629,876	108,926	0.0235	0.9765	84.19
15.5	4,336,216	161,634	0.0373	0.9627	82.21
16.5	4,154,340	195,177	0.0470	0.9530	79.14
17.5	3,769,965	115,058	0.0305	0.9695	75.42
18.5	3,643,147	180,715	0.0496	0.9504	73.12
19.5	3,280,050	320,349	0.0977	0.9023	69.49
20.5	2,887,798	221,046	0.0765	0.9235	62.71
21.5	2,641,652	85,451	0.0323	0.9677	57.91
22.5	2,556,201	90,249	0.0353	0.9647	56.03
23.5	2,300,838	117,643	0.0511	0.9489	54.06
24.5	2,183,195	266,372	0.1220	0.8780	51.29
25.5	1,635,643	52,049	0.0318	0.9682	45.03
26.5	1,569,780	208,599	0.1329	0.8671	43.60
27.5	1,354,635	25,667	0.0189	0.9811	37.81
28.5	1,326,794	107,122	0.0807	0.9193	37.09
29.5	1,219,672	100,855	0.0827	0.9173	34.10
30.5	1,006,195	35,619	0.0354	0.9646	31.28
31.5	970,576	23,696	0.0244	0.9756	30.17
32.5	946,881	17,400	0.0184	0.9816	29.43
33.5	851,124		0.0000	1.0000	28.89
34.5	851,124	10,357	0.0122	0.9878	28.89
35.5	530,788	5,270	0.0099	0.9901	28.54
36.5	516,555	6,470	0.0125	0.9875	28.26
37.5	470,539	72,512	0.1541	0.8459	27.90
38.5	398,027	32,393	0.0814	0.9186	23.60

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

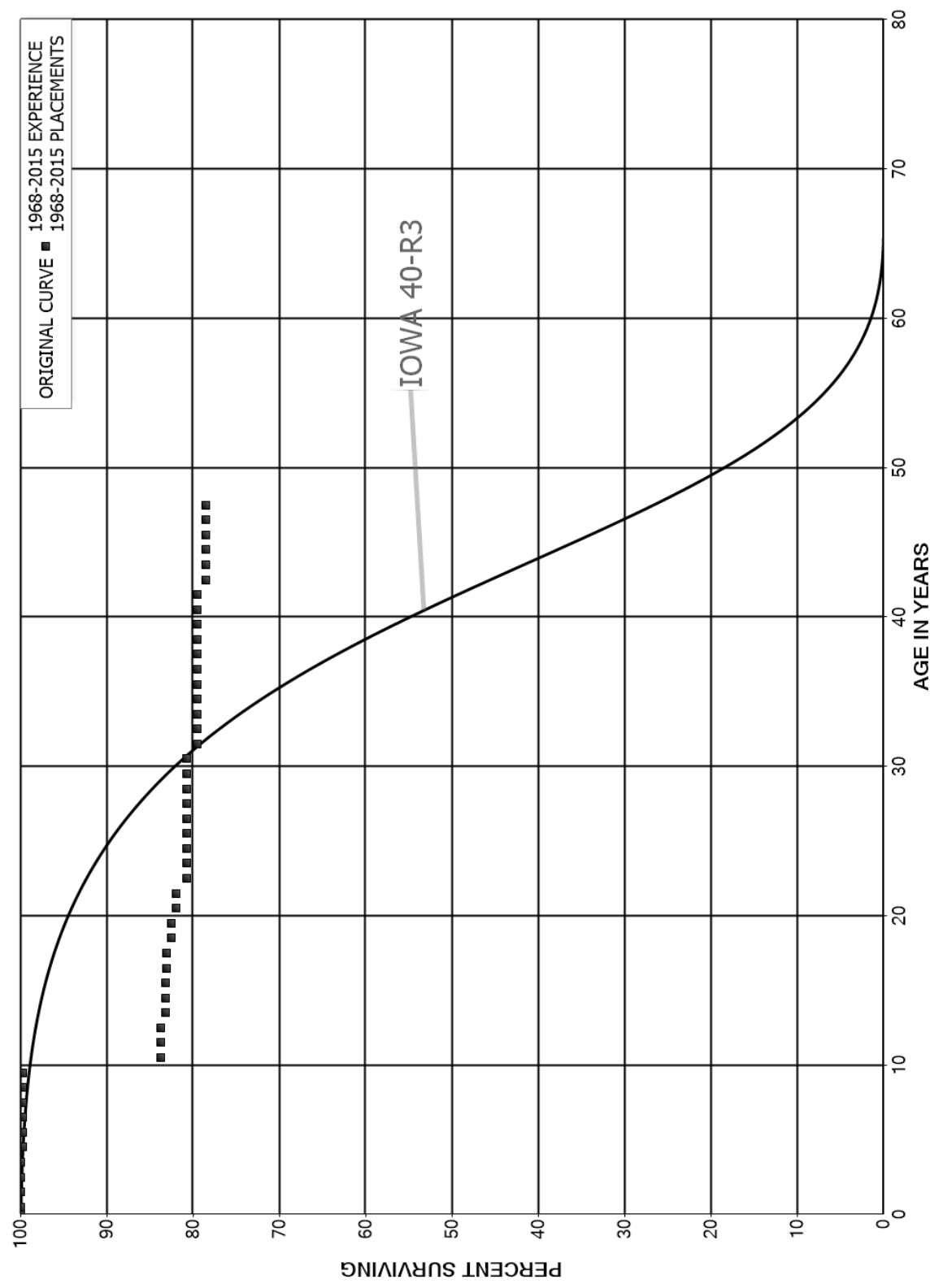
ACCOUNT B01 - BATTERY AND POWER SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1956-2015			EXPERIENCE BAND 1965-2015		
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	365,634	23,740	0.0649	0.9351	21.68
40.5	335,847	13,700	0.0408	0.9592	20.27
41.5	322,147	17,094	0.0531	0.9469	19.45
42.5	304,702	44,588	0.1463	0.8537	18.42
43.5	242,923	55,185	0.2272	0.7728	15.72
44.5	126,300		0.0000	1.0000	12.15
45.5	122,665	12,425	0.1013	0.8987	12.15
46.5	110,240		0.0000	1.0000	10.92
47.5	1,466		0.0000	1.0000	10.92
48.5	1,466		0.0000	1.0000	10.92
49.5	1,466		0.0000	1.0000	10.92
50.5	1,466		0.0000	1.0000	10.92
51.5	1,466		0.0000	1.0000	10.92
52.5	1,466		0.0000	1.0000	10.92
53.5	1,466		0.0000	1.0000	10.92
54.5	1,466		0.0000	1.0000	10.92
55.5	1,466		0.0000	1.0000	10.92
56.5	1,466		0.0000	1.0000	10.92
57.5	1,466		0.0000	1.0000	10.92
58.5	1,466		0.0000	1.0000	10.92
59.5					10.92

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT B02 - BOILER SYSTEM
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B02 - BOILER SYSTEM

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	70,231,168		0.0000	1.0000	100.00
0.5	70,137,735		0.0000	1.0000	100.00
1.5	69,218,304		0.0000	1.0000	100.00
2.5	69,135,617		0.0000	1.0000	100.00
3.5	67,758,844	180,285	0.0027	0.9973	100.00
4.5	66,863,796		0.0000	1.0000	99.73
5.5	65,506,295		0.0000	1.0000	99.73
6.5	64,184,236		0.0000	1.0000	99.73
7.5	59,966,281		0.0000	1.0000	99.73
8.5	54,489,872		0.0000	1.0000	99.73
9.5	54,489,872	8,721,695	0.1601	0.8399	99.73
10.5	45,768,177		0.0000	1.0000	83.77
11.5	45,768,177		0.0000	1.0000	83.77
12.5	45,768,177	328,432	0.0072	0.9928	83.77
13.5	45,439,745		0.0000	1.0000	83.17
14.5	45,031,090		0.0000	1.0000	83.17
15.5	45,031,090	42,746	0.0009	0.9991	83.17
16.5	44,714,746		0.0000	1.0000	83.09
17.5	44,714,746	292,387	0.0065	0.9935	83.09
18.5	43,412,932		0.0000	1.0000	82.55
19.5	43,383,798	338,428	0.0078	0.9922	82.55
20.5	43,045,370		0.0000	1.0000	81.90
21.5	43,045,370	629,544	0.0146	0.9854	81.90
22.5	42,231,334		0.0000	1.0000	80.71
23.5	42,066,888		0.0000	1.0000	80.71
24.5	42,066,888		0.0000	1.0000	80.71
25.5	42,066,888		0.0000	1.0000	80.71
26.5	37,715,238		0.0000	1.0000	80.71
27.5	37,234,903		0.0000	1.0000	80.71
28.5	37,066,712		0.0000	1.0000	80.71
29.5	36,922,122		0.0000	1.0000	80.71
30.5	36,885,398	564,681	0.0153	0.9847	80.71
31.5	36,231,939		0.0000	1.0000	79.47
32.5	34,026,361		0.0000	1.0000	79.47
33.5	33,958,330		0.0000	1.0000	79.47
34.5	33,644,077		0.0000	1.0000	79.47
35.5	15,993,526		0.0000	1.0000	79.47
36.5	15,971,096		0.0000	1.0000	79.47
37.5	15,971,096		0.0000	1.0000	79.47
38.5	15,971,096		0.0000	1.0000	79.47

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

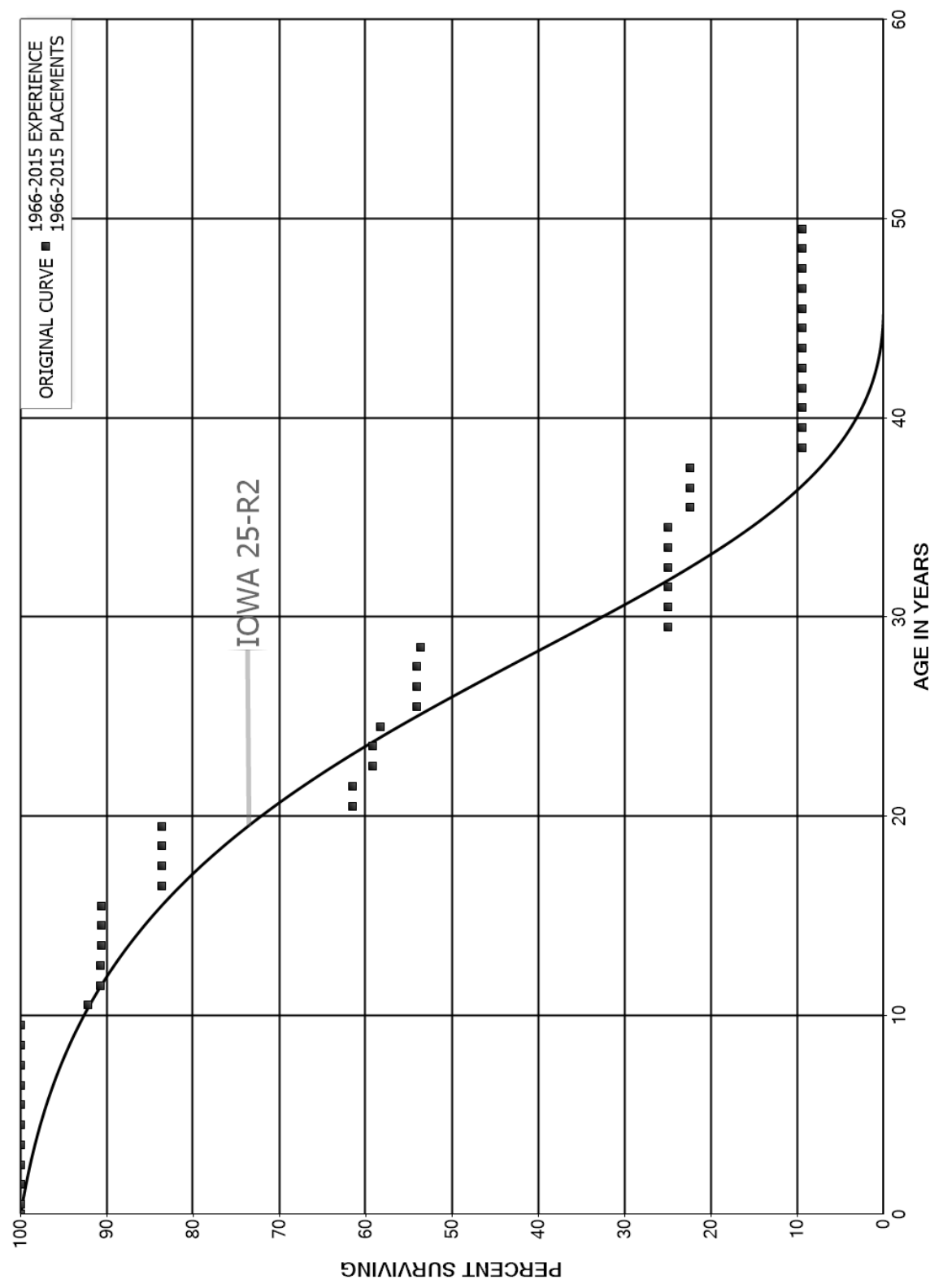
ACCOUNT B02 - BOILER SYSTEM

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	15,964,723		0.0000	1.0000	79.47
40.5	15,964,723		0.0000	1.0000	79.47
41.5	15,964,723	183,493	0.0115	0.9885	79.47
42.5	15,781,230		0.0000	1.0000	78.56
43.5	15,781,230		0.0000	1.0000	78.56
44.5	14,985,641		0.0000	1.0000	78.56
45.5	14,985,641		0.0000	1.0000	78.56
46.5	14,985,641		0.0000	1.0000	78.56
47.5					78.56

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT B03 - BOOMS - TIMBER
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B03 - BOOMS - TIMBER

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	723,485		0.0000	1.0000	100.00
0.5	671,923		0.0000	1.0000	100.00
1.5	634,914		0.0000	1.0000	100.00
2.5	634,914		0.0000	1.0000	100.00
3.5	634,914		0.0000	1.0000	100.00
4.5	634,914		0.0000	1.0000	100.00
5.5	634,914		0.0000	1.0000	100.00
6.5	634,914		0.0000	1.0000	100.00
7.5	634,914		0.0000	1.0000	100.00
8.5	634,914		0.0000	1.0000	100.00
9.5	634,914	50,000	0.0788	0.9212	100.00
10.5	584,914	8,673	0.0148	0.9852	92.12
11.5	576,242		0.0000	1.0000	90.76
12.5	576,242	818	0.0014	0.9986	90.76
13.5	575,423		0.0000	1.0000	90.63
14.5	575,423		0.0000	1.0000	90.63
15.5	575,423	44,401	0.0772	0.9228	90.63
16.5	531,022		0.0000	1.0000	83.64
17.5	531,022		0.0000	1.0000	83.64
18.5	531,022		0.0000	1.0000	83.64
19.5	531,022	140,269	0.2641	0.7359	83.64
20.5	390,753		0.0000	1.0000	61.54
21.5	390,753	14,962	0.0383	0.9617	61.54
22.5	375,791		0.0000	1.0000	59.19
23.5	375,791	5,428	0.0144	0.9856	59.19
24.5	370,363	26,774	0.0723	0.9277	58.33
25.5	343,589		0.0000	1.0000	54.12
26.5	343,589		0.0000	1.0000	54.12
27.5	343,589	3,034	0.0088	0.9912	54.12
28.5	340,555	182,066	0.5346	0.4654	53.64
29.5	158,489		0.0000	1.0000	24.96
30.5	158,489		0.0000	1.0000	24.96
31.5	158,489		0.0000	1.0000	24.96
32.5	158,489		0.0000	1.0000	24.96
33.5	158,489		0.0000	1.0000	24.96
34.5	158,489	16,064	0.1014	0.8986	24.96
35.5	142,425		0.0000	1.0000	22.43
36.5	95,631		0.0000	1.0000	22.43
37.5	95,631	55,440	0.5797	0.4203	22.43
38.5	40,191		0.0000	1.0000	9.43

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

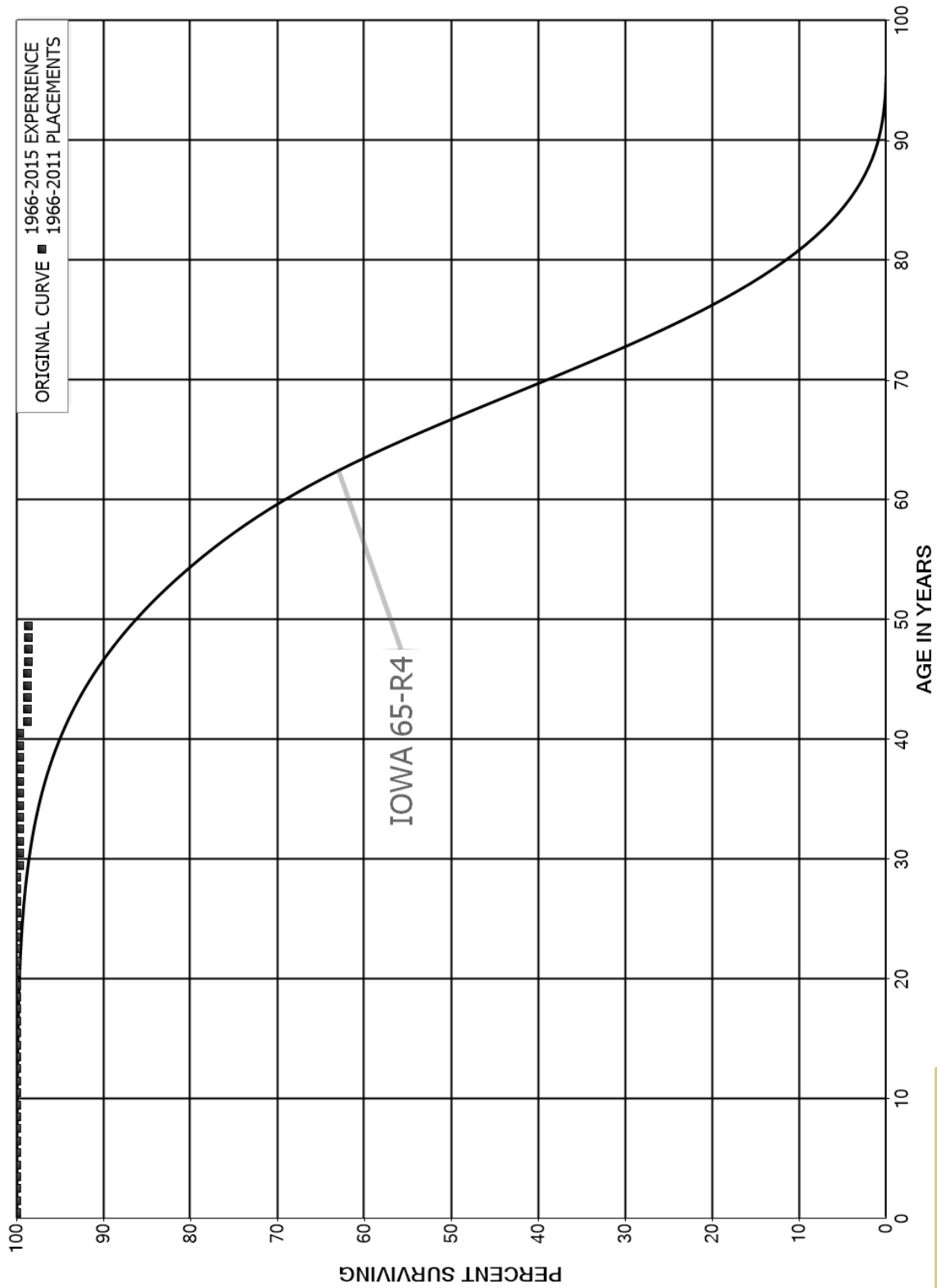
ACCOUNT B03 - BOOMS - TIMBER

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	40,191		0.0000	1.0000	9.43
40.5	40,191		0.0000	1.0000	9.43
41.5	40,191		0.0000	1.0000	9.43
42.5	40,191		0.0000	1.0000	9.43
43.5	40,191		0.0000	1.0000	9.43
44.5	40,191		0.0000	1.0000	9.43
45.5	38,209		0.0000	1.0000	9.43
46.5	38,209		0.0000	1.0000	9.43
47.5	38,209		0.0000	1.0000	9.43
48.5	38,209		0.0000	1.0000	9.43
49.5					9.43

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT B04 - BRIDGES
ORIGINAL AND SMOOTH SURVIVOR CURVES



V-17

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B04 - BRIDGES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2011			EXPERIENCE BAND 1966-2015		
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	4,270,789		0.0000	1.0000	100.00
0.5	4,270,789		0.0000	1.0000	100.00
1.5	4,270,789		0.0000	1.0000	100.00
2.5	4,270,789		0.0000	1.0000	100.00
3.5	4,270,789		0.0000	1.0000	100.00
4.5	4,251,595		0.0000	1.0000	100.00
5.5	4,251,595		0.0000	1.0000	100.00
6.5	4,251,595		0.0000	1.0000	100.00
7.5	4,251,595		0.0000	1.0000	100.00
8.5	3,914,583		0.0000	1.0000	100.00
9.5	3,914,583		0.0000	1.0000	100.00
10.5	3,914,583		0.0000	1.0000	100.00
11.5	3,914,583		0.0000	1.0000	100.00
12.5	3,602,553		0.0000	1.0000	100.00
13.5	3,602,553		0.0000	1.0000	100.00
14.5	3,602,553		0.0000	1.0000	100.00
15.5	3,602,553		0.0000	1.0000	100.00
16.5	3,602,553		0.0000	1.0000	100.00
17.5	3,602,553		0.0000	1.0000	100.00
18.5	3,538,953		0.0000	1.0000	100.00
19.5	3,502,566		0.0000	1.0000	100.00
20.5	3,502,566		0.0000	1.0000	100.00
21.5	3,447,001		0.0000	1.0000	100.00
22.5	3,447,001		0.0000	1.0000	100.00
23.5	2,817,693		0.0000	1.0000	100.00
24.5	2,817,693		0.0000	1.0000	100.00
25.5	2,817,693		0.0000	1.0000	100.00
26.5	2,817,693		0.0000	1.0000	100.00
27.5	2,817,693		0.0000	1.0000	100.00
28.5	2,817,693	11,000	0.0039	0.9961	100.00
29.5	2,806,693		0.0000	1.0000	99.61
30.5	2,806,693		0.0000	1.0000	99.61
31.5	818,463		0.0000	1.0000	99.61
32.5	791,716		0.0000	1.0000	99.61
33.5	791,716		0.0000	1.0000	99.61
34.5	791,716		0.0000	1.0000	99.61
35.5	570,290		0.0000	1.0000	99.61
36.5	570,290		0.0000	1.0000	99.61
37.5	570,290		0.0000	1.0000	99.61
38.5	570,290		0.0000	1.0000	99.61

**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

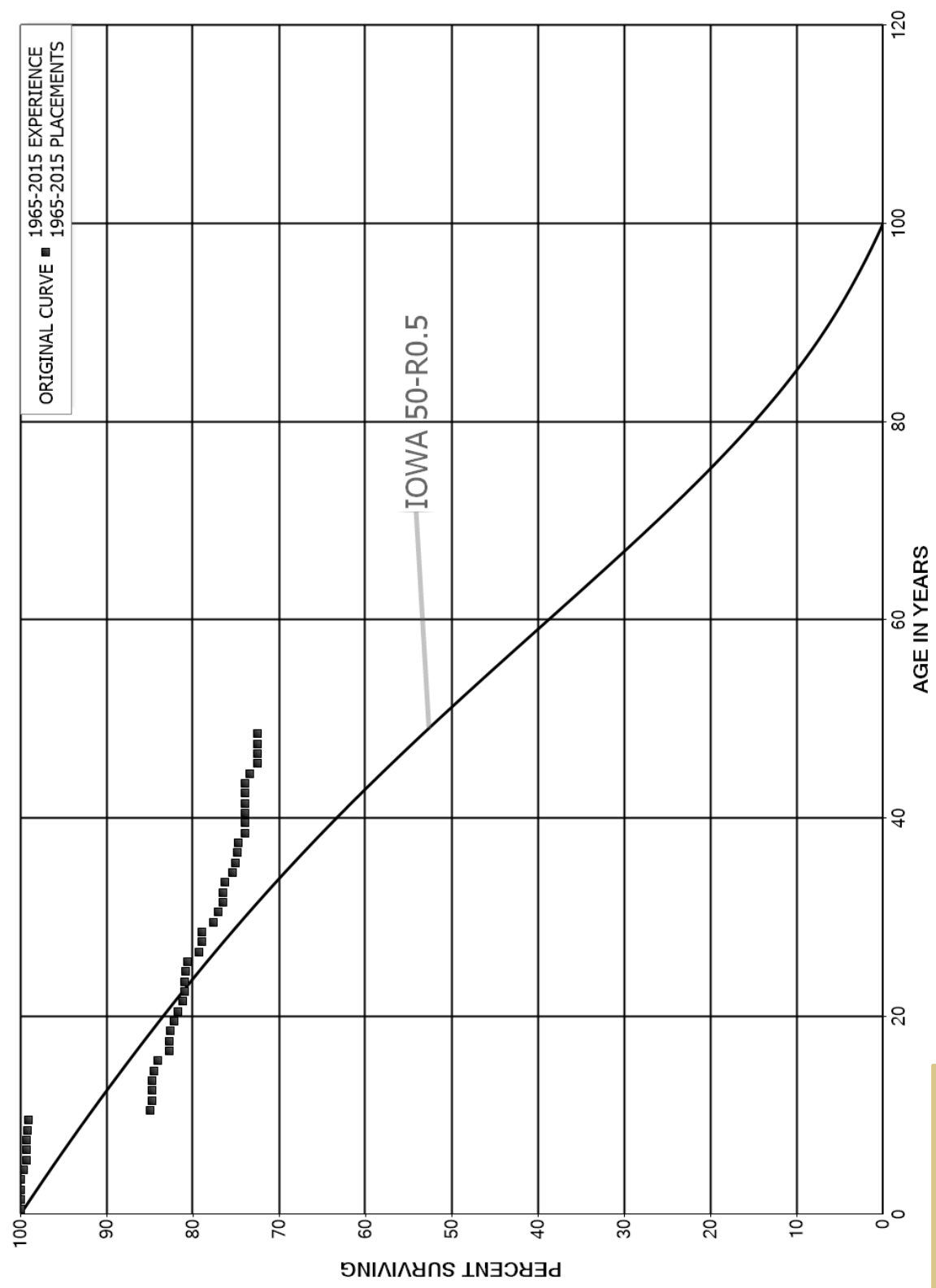
ACCOUNT B04 - BRIDGES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2011			EXPERIENCE BAND 1966-2015		
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	570,290		0.0000	1.0000	99.61
40.5	570,290	5,021	0.0088	0.9912	99.61
41.5	565,270		0.0000	1.0000	98.73
42.5	565,270		0.0000	1.0000	98.73
43.5	565,270		0.0000	1.0000	98.73
44.5	565,270		0.0000	1.0000	98.73
45.5	565,270	479	0.0008	0.9992	98.73
46.5	564,791		0.0000	1.0000	98.65
47.5	564,791		0.0000	1.0000	98.65
48.5	564,791		0.0000	1.0000	98.65
49.5					98.65

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT B05 - BUILDINGS - OTHER
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B05 - BUILDINGS - OTHER

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2015

EXPERIENCE BAND 1965-2015

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	81,733,917		0.0000	1.0000	100.00
0.5	79,467,544		0.0000	1.0000	100.00
1.5	77,165,990		0.0000	1.0000	100.00
2.5	75,417,722	76,705	0.0010	0.9990	100.00
3.5	73,220,560	204,506	0.0028	0.9972	99.90
4.5	69,160,675	199,241	0.0029	0.9971	99.62
5.5	62,203,059	18,672	0.0003	0.9997	99.33
6.5	61,310,444	10,000	0.0002	0.9998	99.30
7.5	60,347,764	69,496	0.0012	0.9988	99.29
8.5	59,310,893	78,986	0.0013	0.9987	99.17
9.5	54,131,652	7,733,707	0.1429	0.8571	99.04
10.5	45,260,382	59,708	0.0013	0.9987	84.89
11.5	44,413,636		0.0000	1.0000	84.78
12.5	40,998,859	25,765	0.0006	0.9994	84.78
13.5	40,933,193	132,098	0.0032	0.9968	84.72
14.5	38,775,766	158,952	0.0041	0.9959	84.45
15.5	38,080,243	634,408	0.0167	0.9833	84.11
16.5	37,082,626	13,958	0.0004	0.9996	82.70
17.5	37,008,045	10,389	0.0003	0.9997	82.67
18.5	36,051,567	220,139	0.0061	0.9939	82.65
19.5	34,768,422	180,807	0.0052	0.9948	82.15
20.5	34,024,736	238,434	0.0070	0.9930	81.72
21.5	33,292,621	66,910	0.0020	0.9980	81.15
22.5	33,080,894	35,887	0.0011	0.9989	80.98
23.5	32,821,223	34,419	0.0010	0.9990	80.89
24.5	32,650,258	66,998	0.0021	0.9979	80.81
25.5	30,874,977	526,647	0.0171	0.9829	80.64
26.5	8,899,240	33,373	0.0038	0.9962	79.27
27.5	8,611,291		0.0000	1.0000	78.97
28.5	7,364,753	126,226	0.0171	0.9829	78.97
29.5	6,738,268	44,289	0.0066	0.9934	77.62
30.5	6,471,512	46,983	0.0073	0.9927	77.11
31.5	6,173,052	3,730	0.0006	0.9994	76.55
32.5	6,052,164	14,175	0.0023	0.9977	76.50
33.5	5,143,479	58,976	0.0115	0.9885	76.32
34.5	4,896,879	27,511	0.0056	0.9944	75.45
35.5	4,261,803	13,489	0.0032	0.9968	75.02
36.5	4,115,454	5,307	0.0013	0.9987	74.79
37.5	4,093,941	40,283	0.0098	0.9902	74.69
38.5	3,616,834		0.0000	1.0000	73.95

**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

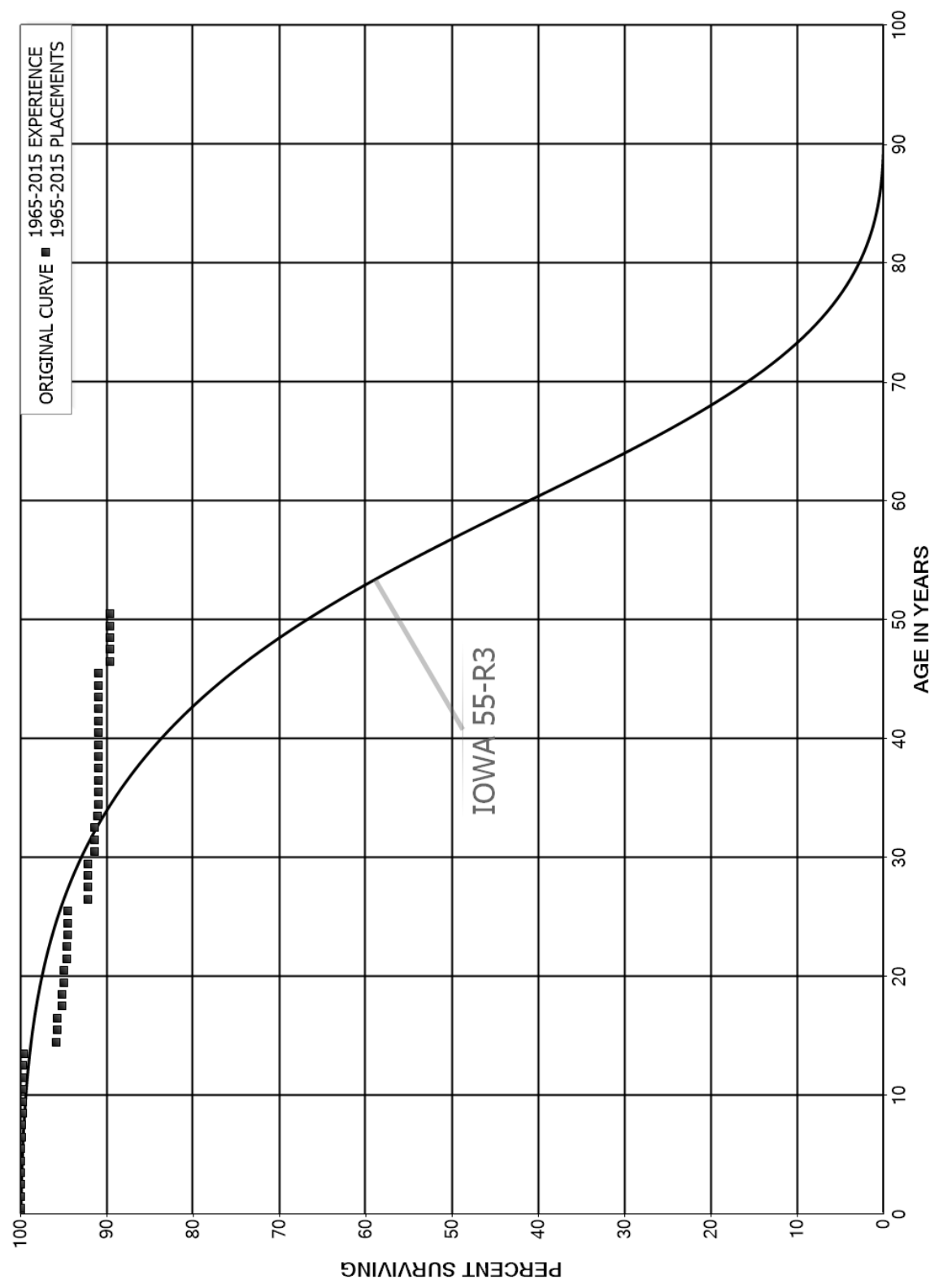
ACCOUNT B05 - BUILDINGS - OTHER

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	3,616,834		0.0000	1.0000	73.95
40.5	2,711,994		0.0000	1.0000	73.95
41.5	2,686,482		0.0000	1.0000	73.95
42.5	2,409,250		0.0000	1.0000	73.95
43.5	2,345,598	18,731	0.0080	0.9920	73.95
44.5	2,277,587	27,000	0.0119	0.9881	73.36
45.5	2,128,116		0.0000	1.0000	72.49
46.5	2,025,591		0.0000	1.0000	72.49
47.5	321,303		0.0000	1.0000	72.49
48.5					72.49

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT B06 - BUILDINGS - METAL
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B06 - BUILDINGS - METAL

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2015

EXPERIENCE BAND 1965-2015

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	35,996,791		0.0000	1.0000	100.00
0.5	25,168,176		0.0000	1.0000	100.00
1.5	24,278,983		0.0000	1.0000	100.00
2.5	24,278,983		0.0000	1.0000	100.00
3.5	24,278,983		0.0000	1.0000	100.00
4.5	24,247,337		0.0000	1.0000	100.00
5.5	24,247,337	41,104	0.0017	0.9983	100.00
6.5	24,058,787		0.0000	1.0000	99.83
7.5	24,040,969	18,990	0.0008	0.9992	99.83
8.5	23,972,589	15,545	0.0006	0.9994	99.75
9.5	23,957,044		0.0000	1.0000	99.69
10.5	23,672,091		0.0000	1.0000	99.69
11.5	23,621,849		0.0000	1.0000	99.69
12.5	23,454,997	14,030	0.0006	0.9994	99.69
13.5	22,659,992	864,917	0.0382	0.9618	99.63
14.5	21,685,002	29,906	0.0014	0.9986	95.82
15.5	21,655,096		0.0000	1.0000	95.69
16.5	21,655,096	112,921	0.0052	0.9948	95.69
17.5	21,365,644		0.0000	1.0000	95.19
18.5	21,365,644	54,966	0.0026	0.9974	95.19
19.5	20,800,414		0.0000	1.0000	94.95
20.5	20,696,799	76,056	0.0037	0.9963	94.95
21.5	20,608,897		0.0000	1.0000	94.60
22.5	20,117,742	26,025	0.0013	0.9987	94.60
23.5	19,159,276	0	0.0000	1.0000	94.48
24.5	17,668,718		0.0000	1.0000	94.48
25.5	16,093,101	393,729	0.0245	0.9755	94.48
26.5	15,552,437		0.0000	1.0000	92.17
27.5	15,116,988		0.0000	1.0000	92.17
28.5	14,832,765		0.0000	1.0000	92.17
29.5	14,816,075	115,181	0.0078	0.9922	92.17
30.5	14,613,697		0.0000	1.0000	91.45
31.5	14,205,534		0.0000	1.0000	91.45
32.5	12,806,433	57,461	0.0045	0.9955	91.45
33.5	10,823,937	5,733	0.0005	0.9995	91.04
34.5	10,234,044		0.0000	1.0000	90.99
35.5	7,095,177		0.0000	1.0000	90.99
36.5	6,847,351		0.0000	1.0000	90.99
37.5	6,163,042	6,800	0.0011	0.9989	90.99
38.5	6,043,170		0.0000	1.0000	90.89

**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

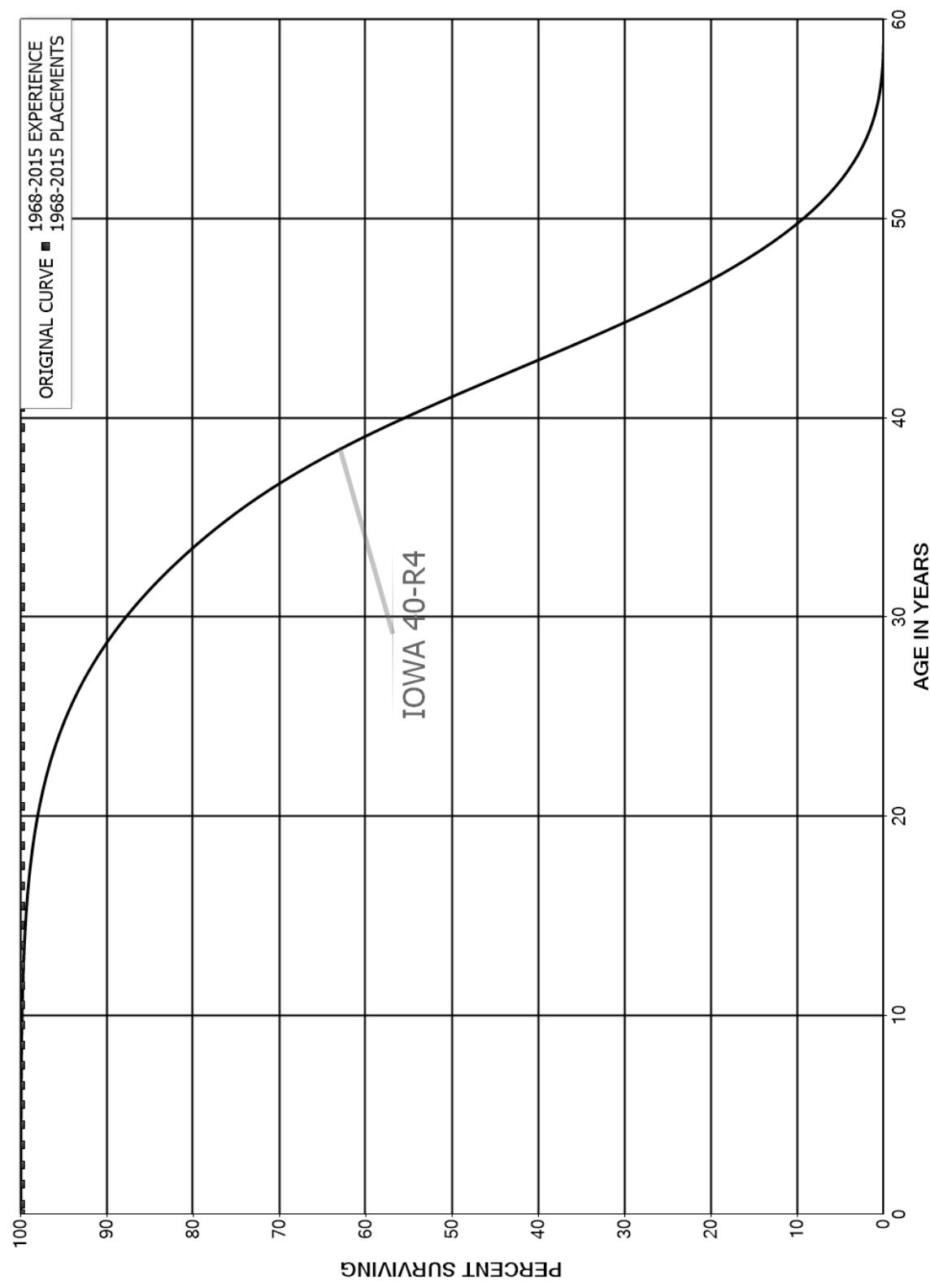
ACCOUNT B06 - BUILDINGS - METAL

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	5,731,924		0.0000	1.0000	90.89
40.5	5,180,227		0.0000	1.0000	90.89
41.5	5,180,227		0.0000	1.0000	90.89
42.5	5,180,227		0.0000	1.0000	90.89
43.5	5,180,227		0.0000	1.0000	90.89
44.5	4,480,030		0.0000	1.0000	90.89
45.5	4,332,844	62,342	0.0144	0.9856	90.89
46.5	2,926,199		0.0000	1.0000	89.58
47.5	1,577,877		0.0000	1.0000	89.58
48.5	781,601		0.0000	1.0000	89.58
49.5	496,681		0.0000	1.0000	89.58
50.5					89.58

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT B07 - BUS DUCT GENERATOR
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B07 - BUS DUCT GENERATOR

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2015

EXPERIENCE BAND 1968-2015

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	1,456,108		0.0000	1.0000	100.00
0.5	825,804		0.0000	1.0000	100.00
1.5	825,804		0.0000	1.0000	100.00
2.5	825,804		0.0000	1.0000	100.00
3.5	825,804		0.0000	1.0000	100.00
4.5	825,804		0.0000	1.0000	100.00
5.5	825,804		0.0000	1.0000	100.00
6.5	825,804		0.0000	1.0000	100.00
7.5	825,804		0.0000	1.0000	100.00
8.5	825,804		0.0000	1.0000	100.00
9.5	825,804		0.0000	1.0000	100.00
10.5	825,804		0.0000	1.0000	100.00
11.5	825,804		0.0000	1.0000	100.00
12.5	459,833		0.0000	1.0000	100.00
13.5	459,833		0.0000	1.0000	100.00
14.5	459,833		0.0000	1.0000	100.00
15.5	459,833		0.0000	1.0000	100.00
16.5	459,833		0.0000	1.0000	100.00
17.5	459,833		0.0000	1.0000	100.00
18.5	459,833		0.0000	1.0000	100.00
19.5	459,833		0.0000	1.0000	100.00
20.5	459,833		0.0000	1.0000	100.00
21.5	459,833		0.0000	1.0000	100.00
22.5	459,833		0.0000	1.0000	100.00
23.5	459,833		0.0000	1.0000	100.00
24.5	459,833		0.0000	1.0000	100.00
25.5	459,833		0.0000	1.0000	100.00
26.5	459,833		0.0000	1.0000	100.00
27.5	338,955		0.0000	1.0000	100.00
28.5	338,955		0.0000	1.0000	100.00
29.5	338,955		0.0000	1.0000	100.00
30.5	338,955		0.0000	1.0000	100.00
31.5	338,955		0.0000	1.0000	100.00
32.5	338,955		0.0000	1.0000	100.00
33.5	338,955		0.0000	1.0000	100.00
34.5	338,955		0.0000	1.0000	100.00
35.5	27,238		0.0000	1.0000	100.00
36.5	27,238		0.0000	1.0000	100.00
37.5	27,238		0.0000	1.0000	100.00
38.5	27,238		0.0000	1.0000	100.00

**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

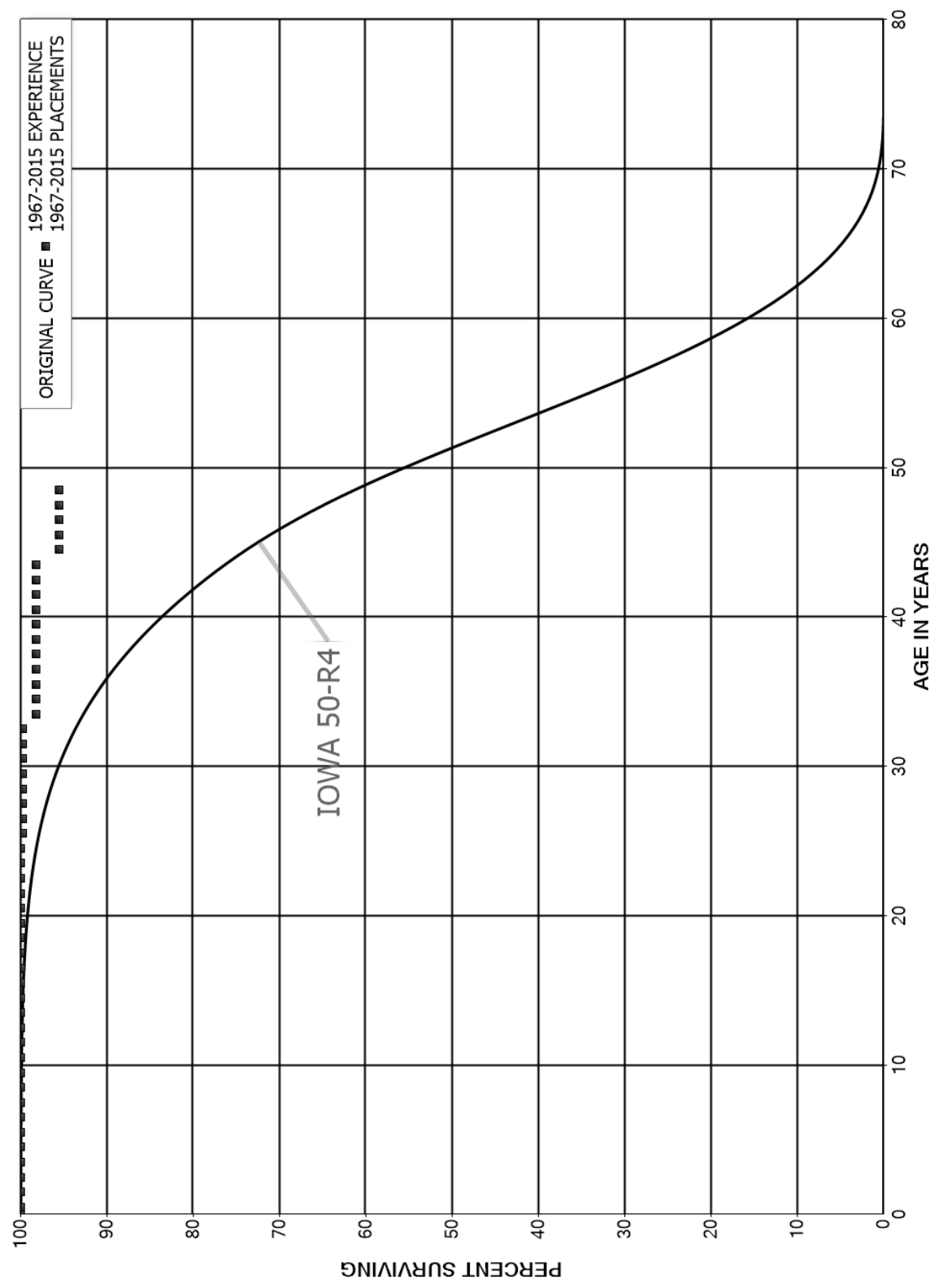
ACCOUNT B07 - BUS DUCT GENERATOR

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	27,238		0.0000	1.0000	100.00
40.5	27,238		0.0000	1.0000	100.00
41.5	27,238		0.0000	1.0000	100.00
42.5	27,238		0.0000	1.0000	100.00
43.5	27,238		0.0000	1.0000	100.00
44.5	27,238		0.0000	1.0000	100.00
45.5	27,238		0.0000	1.0000	100.00
46.5	27,238		0.0000	1.0000	100.00
47.5					100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT B08 - BUSWORK AND HARDWARE
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B08 - BUSWORK AND HARDWARE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	7,379,408		0.0000	1.0000	100.00
0.5	7,333,002		0.0000	1.0000	100.00
1.5	7,286,779		0.0000	1.0000	100.00
2.5	7,286,779		0.0000	1.0000	100.00
3.5	6,251,243		0.0000	1.0000	100.00
4.5	6,251,243		0.0000	1.0000	100.00
5.5	6,251,243		0.0000	1.0000	100.00
6.5	6,217,568		0.0000	1.0000	100.00
7.5	6,217,568		0.0000	1.0000	100.00
8.5	6,217,568		0.0000	1.0000	100.00
9.5	6,217,568		0.0000	1.0000	100.00
10.5	6,211,235		0.0000	1.0000	100.00
11.5	6,099,010		0.0000	1.0000	100.00
12.5	6,061,904		0.0000	1.0000	100.00
13.5	6,013,333		0.0000	1.0000	100.00
14.5	6,013,333		0.0000	1.0000	100.00
15.5	5,713,849		0.0000	1.0000	100.00
16.5	5,713,849		0.0000	1.0000	100.00
17.5	5,387,459		0.0000	1.0000	100.00
18.5	5,331,543		0.0000	1.0000	100.00
19.5	5,232,676		0.0000	1.0000	100.00
20.5	4,767,022		0.0000	1.0000	100.00
21.5	4,617,644		0.0000	1.0000	100.00
22.5	4,584,516		0.0000	1.0000	100.00
23.5	4,029,183		0.0000	1.0000	100.00
24.5	3,321,720	10,856	0.0033	0.9967	100.00
25.5	3,160,022		0.0000	1.0000	99.67
26.5	2,759,996		0.0000	1.0000	99.67
27.5	2,737,453		0.0000	1.0000	99.67
28.5	2,626,785		0.0000	1.0000	99.67
29.5	2,542,611		0.0000	1.0000	99.67
30.5	2,518,812		0.0000	1.0000	99.67
31.5	2,518,812		0.0000	1.0000	99.67
32.5	2,352,400	35,777	0.0152	0.9848	99.67
33.5	2,078,238		0.0000	1.0000	98.16
34.5	1,866,029		0.0000	1.0000	98.16
35.5	1,733,264		0.0000	1.0000	98.16
36.5	1,577,519		0.0000	1.0000	98.16
37.5	1,254,807		0.0000	1.0000	98.16
38.5	1,016,669		0.0000	1.0000	98.16

**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

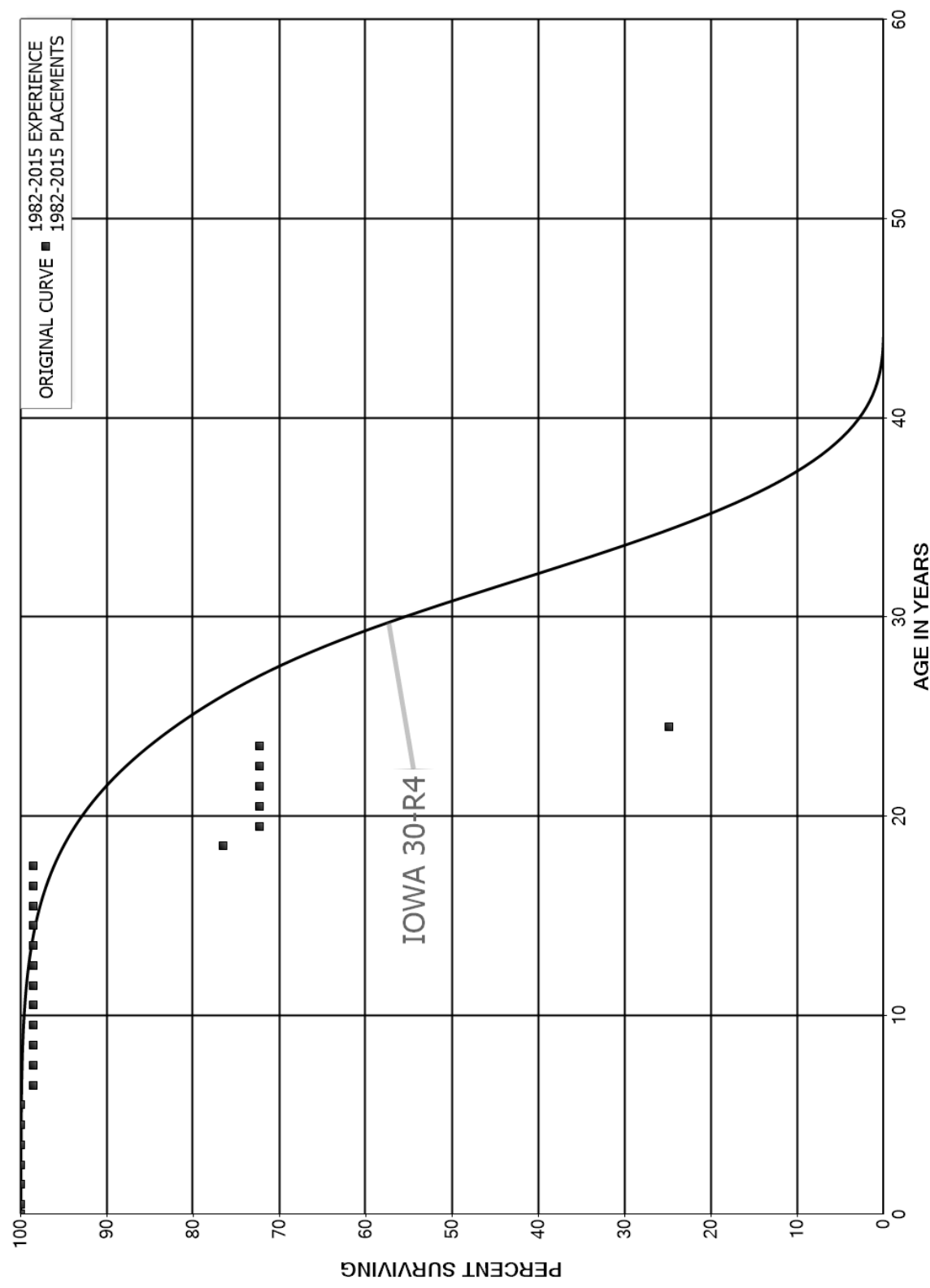
ACCOUNT B08 - BUSWORK AND HARDWARE

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	1,014,371		0.0000	1.0000	98.16
40.5	946,331		0.0000	1.0000	98.16
41.5	937,636		0.0000	1.0000	98.16
42.5	937,636		0.0000	1.0000	98.16
43.5	937,636	24,869	0.0265	0.9735	98.16
44.5	912,767		0.0000	1.0000	95.55
45.5	391,137		0.0000	1.0000	95.55
46.5	373,137		0.0000	1.0000	95.55
47.5	268,548		0.0000	1.0000	95.55
48.5					95.55

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C01 - CABLES - TELECONTROL
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

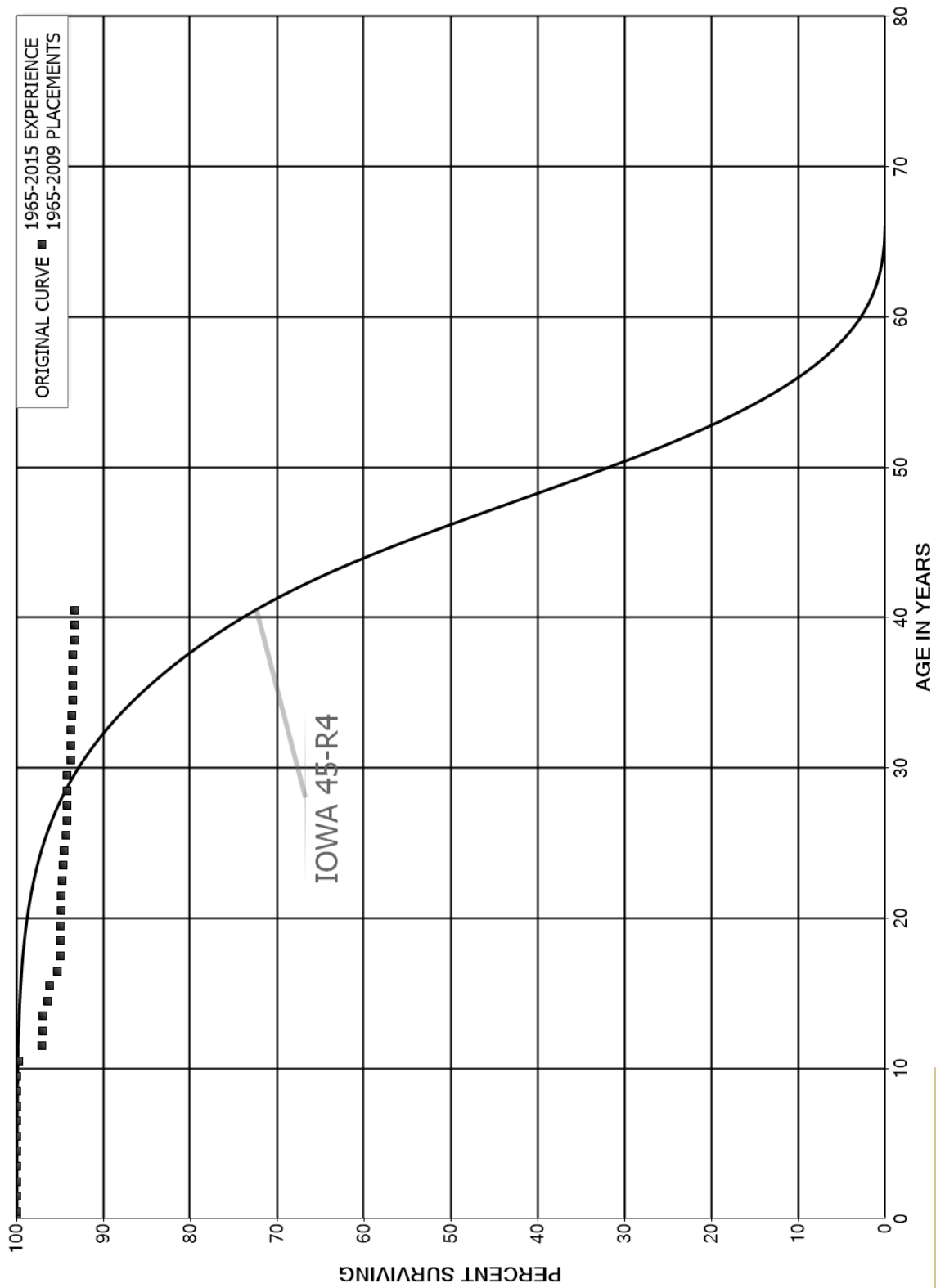
ACCOUNT C01 - CABLES - TELECONTROL

ORIGINAL LIFE TABLE

PLACEMENT BAND 1982-2015			EXPERIENCE BAND 1982-2015			
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	2,838,620	0	0.0000	1.0000	100.00	
0.5	2,836,079	0	0.0000	1.0000	100.00	
1.5	2,836,079		0.0000	1.0000	100.00	
2.5	2,824,227		0.0000	1.0000	100.00	
3.5	1,900,728		0.0000	1.0000	100.00	
4.5	1,900,728		0.0000	1.0000	100.00	
5.5	1,801,277	27,391	0.0152	0.9848	100.00	
6.5	1,773,885		0.0000	1.0000	98.48	
7.5	1,773,885		0.0000	1.0000	98.48	
8.5	1,773,885		0.0000	1.0000	98.48	
9.5	1,773,885		0.0000	1.0000	98.48	
10.5	1,773,885		0.0000	1.0000	98.48	
11.5	1,684,136		0.0000	1.0000	98.48	
12.5	791,888		0.0000	1.0000	98.48	
13.5	531,510		0.0000	1.0000	98.48	
14.5	401,932		0.0000	1.0000	98.48	
15.5	379,901		0.0000	1.0000	98.48	
16.5	203,293		0.0000	1.0000	98.48	
17.5	203,293	45,443	0.2235	0.7765	98.48	
18.5	157,849	8,519	0.0540	0.9460	76.47	
19.5	149,330		0.0000	1.0000	72.34	
20.5	149,330		0.0000	1.0000	72.34	
21.5	149,330		0.0000	1.0000	72.34	
22.5	36,789		0.0000	1.0000	72.34	
23.5	36,789	24,177	0.6572	0.3428	72.34	
24.5	12,612		0.0000	1.0000	24.80	
25.5	12,612		0.0000	1.0000	24.80	
26.5	12,612		0.0000	1.0000	24.80	
27.5	12,612		0.0000	1.0000	24.80	
28.5	12,612		0.0000	1.0000	24.80	
29.5	12,612		0.0000	1.0000	24.80	
30.5	12,612		0.0000	1.0000	24.80	
31.5	12,612		0.0000	1.0000	24.80	
32.5	12,612		0.0000	1.0000	24.80	
33.5					24.80	

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C02 - CABLE - SUBMARINE
ORIGINAL AND SMOOTH SURVIVOR CURVES



V-34

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C02 - CABLE - SUBMARINE

ORIGINAL LIFE TABLE

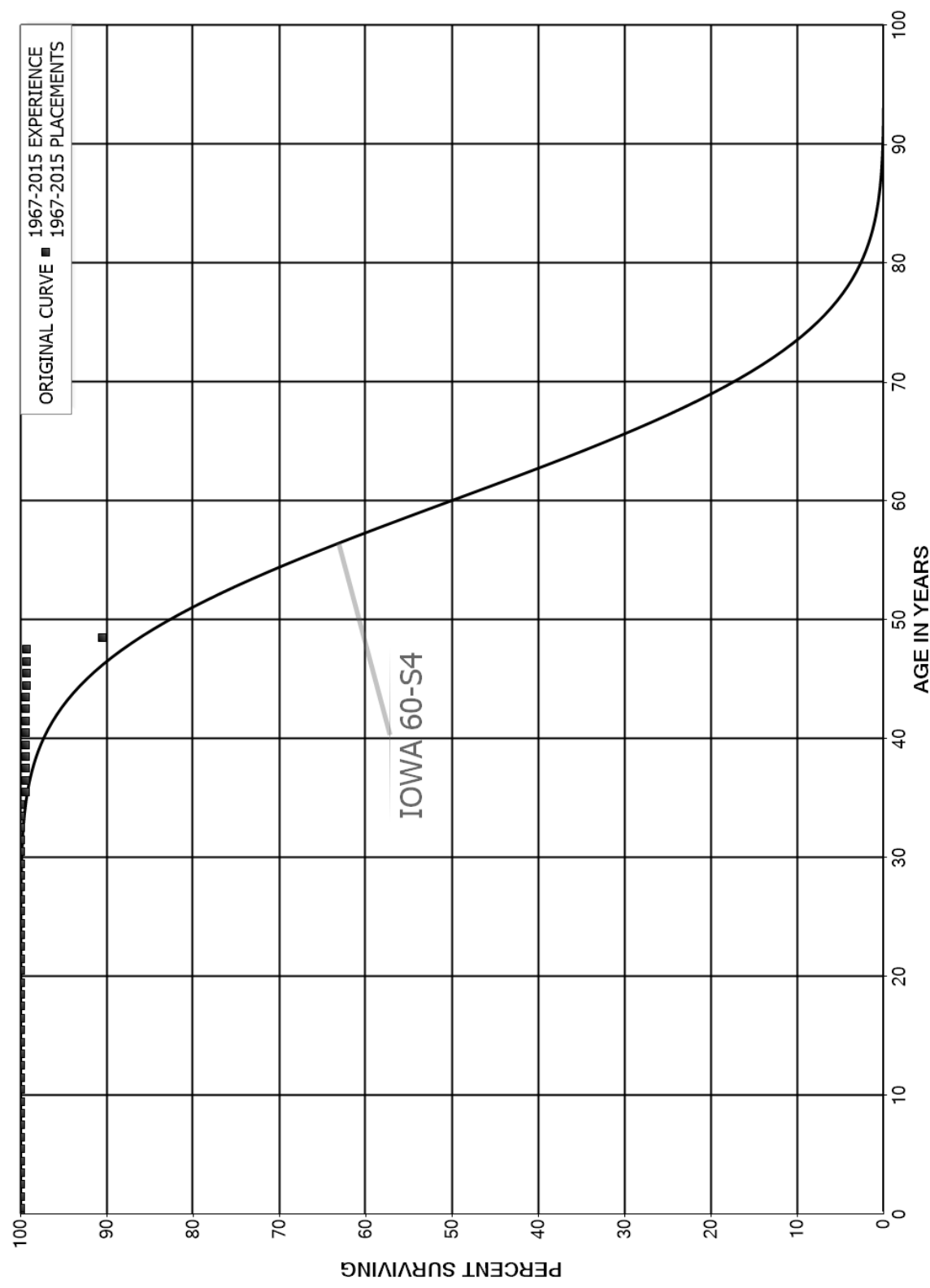
PLACEMENT BAND 1965-2009

EXPERIENCE BAND 1965-2015

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	9,425,415		0.0000	1.0000	100.00
0.5	9,425,415		0.0000	1.0000	100.00
1.5	9,425,415		0.0000	1.0000	100.00
2.5	9,425,415		0.0000	1.0000	100.00
3.5	9,425,415		0.0000	1.0000	100.00
4.5	9,425,415		0.0000	1.0000	100.00
5.5	9,425,415		0.0000	1.0000	100.00
6.5	9,344,728	262	0.0000	1.0000	100.00
7.5	9,302,171		0.0000	1.0000	100.00
8.5	9,197,890		0.0000	1.0000	100.00
9.5	9,197,890	24,789	0.0027	0.9973	100.00
10.5	9,173,102	245,126	0.0267	0.9733	99.73
11.5	8,927,976	10,786	0.0012	0.9988	97.06
12.5	8,917,190	2,233	0.0003	0.9997	96.95
13.5	8,914,958	48,195	0.0054	0.9946	96.92
14.5	8,866,762	19,777	0.0022	0.9978	96.40
15.5	8,846,986	87,216	0.0099	0.9901	96.18
16.5	7,837,422	21,424	0.0027	0.9973	95.23
17.5	7,815,998		0.0000	1.0000	94.97
18.5	7,815,998	5,358	0.0007	0.9993	94.97
19.5	7,810,640	1,990	0.0003	0.9997	94.91
20.5	7,808,650	1,297	0.0002	0.9998	94.88
21.5	7,807,353	13,145	0.0017	0.9983	94.87
22.5	7,794,208	4,245	0.0005	0.9995	94.71
23.5	7,789,963	8,605	0.0011	0.9989	94.66
24.5	7,781,358	17,612	0.0023	0.9977	94.55
25.5	4,784,397	5,538	0.0012	0.9988	94.34
26.5	2,325,408		0.0000	1.0000	94.23
27.5	775,017		0.0000	1.0000	94.23
28.5	775,017		0.0000	1.0000	94.23
29.5	775,017	4,602	0.0059	0.9941	94.23
30.5	770,414		0.0000	1.0000	93.67
31.5	770,414		0.0000	1.0000	93.67
32.5	770,414	39	0.0001	0.9999	93.67
33.5	646,975	968	0.0015	0.9985	93.67
34.5	646,007	443	0.0007	0.9993	93.53
35.5	476,448		0.0000	1.0000	93.46
36.5	476,448		0.0000	1.0000	93.46
37.5	476,448	651	0.0014	0.9986	93.46
38.5	475,797		0.0000	1.0000	93.33
39.5	475,797		0.0000	1.0000	93.33
40.5					93.33

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C03 - CABLE - UNDERGROUND
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C03 - CABLE - UNDERGROUND

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	3,395,635		0.0000	1.0000	100.00
0.5	2,844,830		0.0000	1.0000	100.00
1.5	2,379,940		0.0000	1.0000	100.00
2.5	2,270,771		0.0000	1.0000	100.00
3.5	1,947,270		0.0000	1.0000	100.00
4.5	1,947,270		0.0000	1.0000	100.00
5.5	1,947,270		0.0000	1.0000	100.00
6.5	1,947,270		0.0000	1.0000	100.00
7.5	1,947,270		0.0000	1.0000	100.00
8.5	1,947,270		0.0000	1.0000	100.00
9.5	1,947,270		0.0000	1.0000	100.00
10.5	1,947,270		0.0000	1.0000	100.00
11.5	1,947,270		0.0000	1.0000	100.00
12.5	1,947,270		0.0000	1.0000	100.00
13.5	1,947,270		0.0000	1.0000	100.00
14.5	1,929,618		0.0000	1.0000	100.00
15.5	1,861,337		0.0000	1.0000	100.00
16.5	1,861,337		0.0000	1.0000	100.00
17.5	1,839,011		0.0000	1.0000	100.00
18.5	1,839,011		0.0000	1.0000	100.00
19.5	1,829,125		0.0000	1.0000	100.00
20.5	1,663,088		0.0000	1.0000	100.00
21.5	1,663,088		0.0000	1.0000	100.00
22.5	1,656,465		0.0000	1.0000	100.00
23.5	1,604,291		0.0000	1.0000	100.00
24.5	1,510,195		0.0000	1.0000	100.00
25.5	1,429,264		0.0000	1.0000	100.00
26.5	1,351,971		0.0000	1.0000	100.00
27.5	1,351,971		0.0000	1.0000	100.00
28.5	1,307,375		0.0000	1.0000	100.00
29.5	1,307,375		0.0000	1.0000	100.00
30.5	1,307,375		0.0000	1.0000	100.00
31.5	1,307,375		0.0000	1.0000	100.00
32.5	1,274,153		0.0000	1.0000	100.00
33.5	1,174,801		0.0000	1.0000	100.00
34.5	1,127,018	7,281	0.0065	0.9935	100.00
35.5	513,619		0.0000	1.0000	99.35
36.5	429,332		0.0000	1.0000	99.35
37.5	344,220		0.0000	1.0000	99.35
38.5	337,437		0.0000	1.0000	99.35

**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

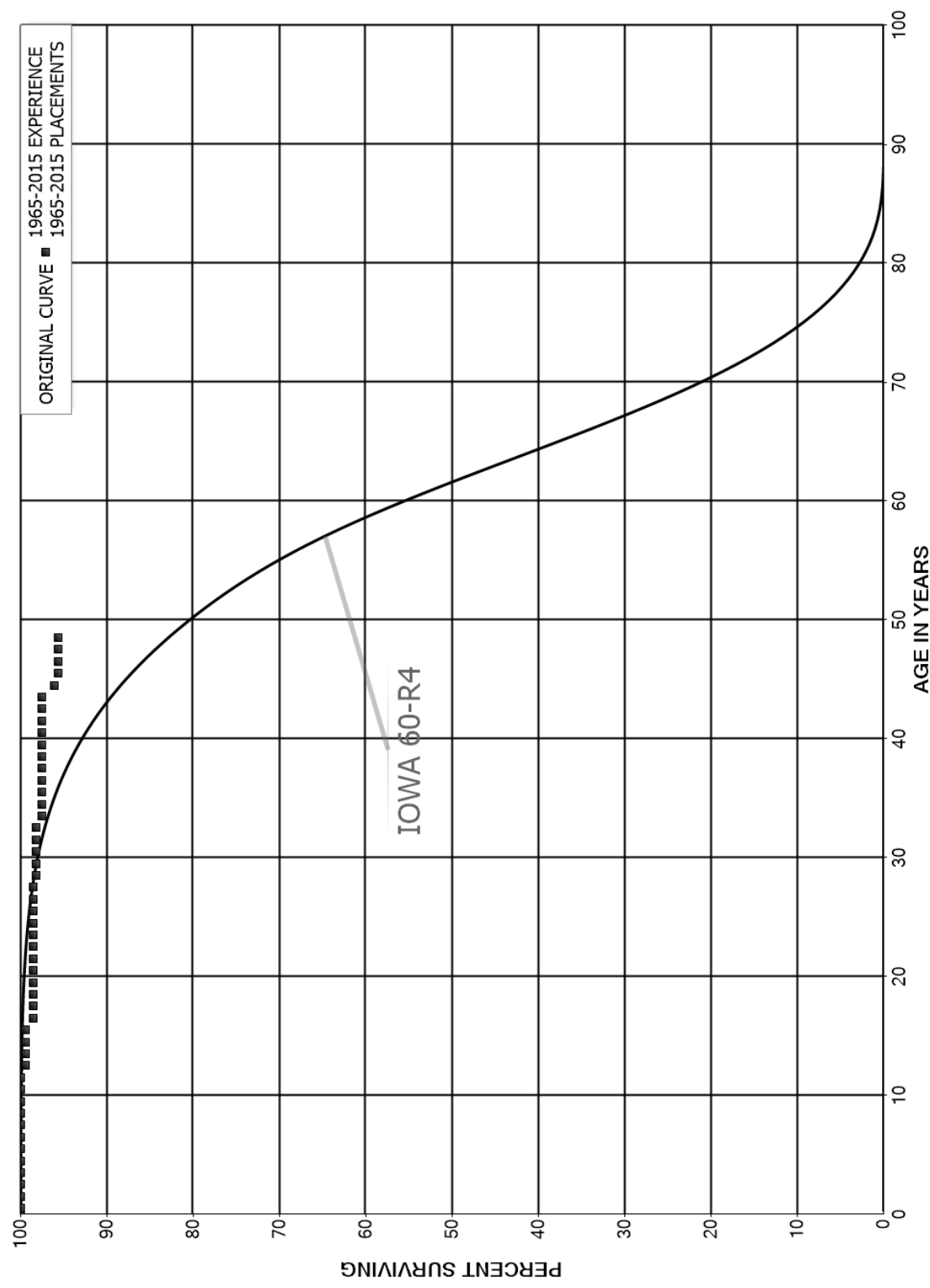
ACCOUNT C03 - CABLE - UNDERGROUND

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	333,739		0.0000	1.0000	99.35
40.5	318,436		0.0000	1.0000	99.35
41.5	318,436		0.0000	1.0000	99.35
42.5	318,436		0.0000	1.0000	99.35
43.5	305,575	188	0.0006	0.9994	99.35
44.5	276,579		0.0000	1.0000	99.29
45.5	141,503		0.0000	1.0000	99.29
46.5	141,503		0.0000	1.0000	99.29
47.5	74,406	6,571	0.0883	0.9117	99.29
48.5					90.52

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C04 - CABLE - ABOVE GROUND
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C04 - CABLE - ABOVE GROUND

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2015 EXPERIENCE BAND 1965-2015

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETM RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	11,401,564		0.0000	1.0000	100.00
0.5	11,299,810		0.0000	1.0000	100.00
1.5	11,299,810		0.0000	1.0000	100.00
2.5	11,137,698		0.0000	1.0000	100.00
3.5	10,286,672		0.0000	1.0000	100.00
4.5	9,987,308		0.0000	1.0000	100.00
5.5	9,926,759		0.0000	1.0000	100.00
6.5	9,926,759		0.0000	1.0000	100.00
7.5	9,926,759		0.0000	1.0000	100.00
8.5	9,926,759		0.0000	1.0000	100.00
9.5	9,884,286		0.0000	1.0000	100.00
10.5	9,769,662		0.0000	1.0000	100.00
11.5	9,769,662	63,219	0.0065	0.9935	100.00
12.5	9,614,621		0.0000	1.0000	99.35
13.5	9,580,028		0.0000	1.0000	99.35
14.5	9,464,487		0.0000	1.0000	99.35
15.5	9,346,771	84,913	0.0091	0.9909	99.35
16.5	9,174,365		0.0000	1.0000	98.45
17.5	8,884,088		0.0000	1.0000	98.45
18.5	8,863,231		0.0000	1.0000	98.45
19.5	8,769,635		0.0000	1.0000	98.45
20.5	8,542,287		0.0000	1.0000	98.45
21.5	7,870,443		0.0000	1.0000	98.45
22.5	7,815,792		0.0000	1.0000	98.45
23.5	7,433,724		0.0000	1.0000	98.45
24.5	6,964,552		0.0000	1.0000	98.45
25.5	6,674,759		0.0000	1.0000	98.45
26.5	6,267,887		0.0000	1.0000	98.45
27.5	6,150,181	19,117	0.0031	0.9969	98.45
28.5	5,978,081		0.0000	1.0000	98.14
29.5	5,893,892		0.0000	1.0000	98.14
30.5	4,979,674		0.0000	1.0000	98.14
31.5	4,952,895		0.0000	1.0000	98.14
32.5	4,388,615	27,298	0.0062	0.9938	98.14
33.5	4,088,745	134	0.0000	1.0000	97.53
34.5	4,023,163		0.0000	1.0000	97.53
35.5	2,236,296		0.0000	1.0000	97.53
36.5	2,091,333		0.0000	1.0000	97.53
37.5	1,565,100		0.0000	1.0000	97.53
38.5	1,447,446		0.0000	1.0000	97.53

**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C04 - CABLE - ABOVE GROUND

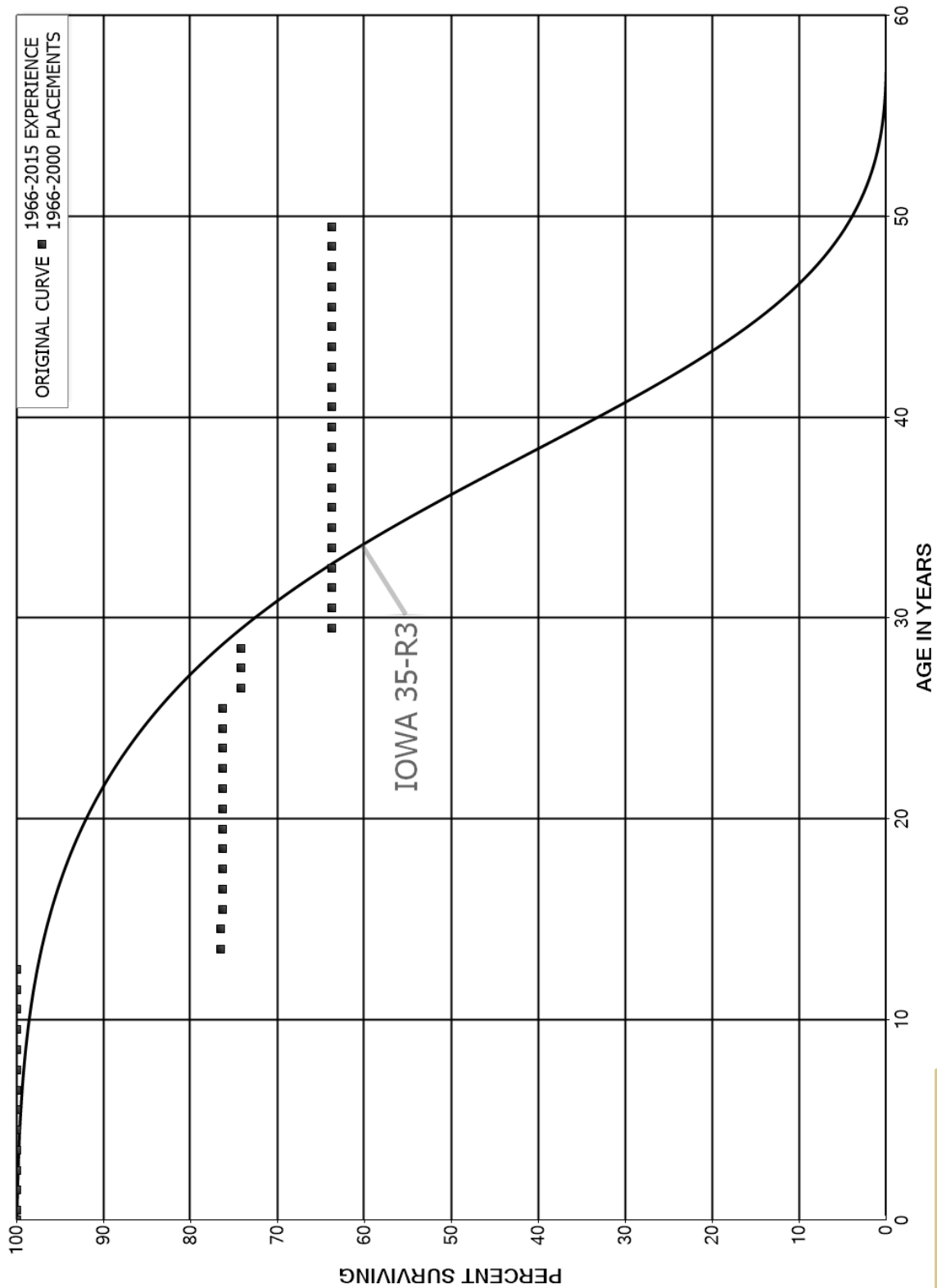
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2015

EXPERIENCE BAND 1965-2015

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	1,429,253		0.0000	1.0000	97.53
40.5	1,415,740		0.0000	1.0000	97.53
41.5	1,360,687		0.0000	1.0000	97.53
42.5	1,359,668		0.0000	1.0000	97.53
43.5	1,359,668	20,755	0.0153	0.9847	97.53
44.5	1,145,684	5,372	0.0047	0.9953	96.04
45.5	808,553		0.0000	1.0000	95.59
46.5	808,553		0.0000	1.0000	95.59
47.5	176,786		0.0000	1.0000	95.59
48.5					95.59

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C06 - CAPACITORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C06 - CAPACITORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2000			EXPERIENCE BAND 1966-2015		
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	1,417,922		0.0000	1.0000	100.00
0.5	1,417,922		0.0000	1.0000	100.00
1.5	1,417,922		0.0000	1.0000	100.00
2.5	1,417,922		0.0000	1.0000	100.00
3.5	1,417,922		0.0000	1.0000	100.00
4.5	1,417,922		0.0000	1.0000	100.00
5.5	1,417,922		0.0000	1.0000	100.00
6.5	1,417,922		0.0000	1.0000	100.00
7.5	1,417,922		0.0000	1.0000	100.00
8.5	1,417,922		0.0000	1.0000	100.00
9.5	1,417,922		0.0000	1.0000	100.00
10.5	1,417,922		0.0000	1.0000	100.00
11.5	1,417,922		0.0000	1.0000	100.00
12.5	1,417,922	332,373	0.2344	0.7656	100.00
13.5	1,085,549		0.0000	1.0000	76.56
14.5	1,085,549	4,448	0.0041	0.9959	76.56
15.5	924,455		0.0000	1.0000	76.25
16.5	924,455		0.0000	1.0000	76.25
17.5	924,455		0.0000	1.0000	76.25
18.5	924,455		0.0000	1.0000	76.25
19.5	608,625		0.0000	1.0000	76.25
20.5	599,093		0.0000	1.0000	76.25
21.5	599,093		0.0000	1.0000	76.25
22.5	599,093		0.0000	1.0000	76.25
23.5	599,093		0.0000	1.0000	76.25
24.5	599,093		0.0000	1.0000	76.25
25.5	599,093	16,678	0.0278	0.9722	76.25
26.5	582,416		0.0000	1.0000	74.12
27.5	582,416		0.0000	1.0000	74.12
28.5	498,690	69,680	0.1397	0.8603	74.12
29.5	429,010		0.0000	1.0000	63.77
30.5	429,010		0.0000	1.0000	63.77
31.5	429,010		0.0000	1.0000	63.77
32.5	429,010		0.0000	1.0000	63.77
33.5	405,743		0.0000	1.0000	63.77
34.5	405,743		0.0000	1.0000	63.77
35.5	332,630		0.0000	1.0000	63.77
36.5	332,630		0.0000	1.0000	63.77
37.5	332,630		0.0000	1.0000	63.77
38.5	332,630		0.0000	1.0000	63.77

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

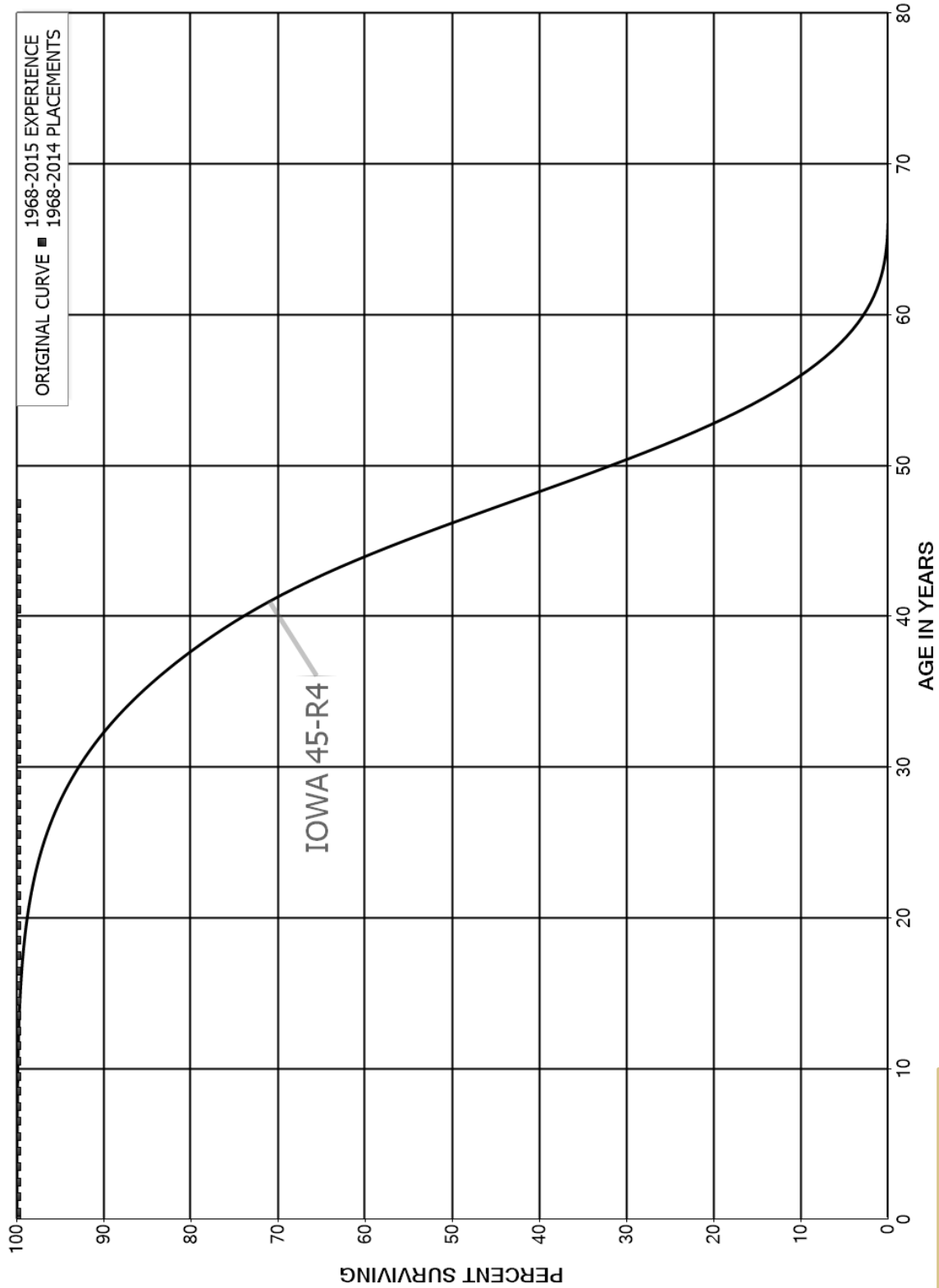
ACCOUNT C06 - CAPACITORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2000			EXPERIENCE BAND 1966-2015		
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	308,195		0.0000	1.0000	63.77
40.5	308,195		0.0000	1.0000	63.77
41.5	308,195		0.0000	1.0000	63.77
42.5	308,195		0.0000	1.0000	63.77
43.5	308,195		0.0000	1.0000	63.77
44.5	47,294		0.0000	1.0000	63.77
45.5	44,471		0.0000	1.0000	63.77
46.5	44,471		0.0000	1.0000	63.77
47.5	44,471		0.0000	1.0000	63.77
48.5	44,471		0.0000	1.0000	63.77
49.5					63.77

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C07 - CHEMICAL FEED SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C07 - CHEMICAL FEED SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2014			EXPERIENCE BAND 1968-2015		
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	586,296		0.0000	1.0000	100.00
0.5	586,296		0.0000	1.0000	100.00
1.5	573,005		0.0000	1.0000	100.00
2.5	573,005		0.0000	1.0000	100.00
3.5	573,005		0.0000	1.0000	100.00
4.5	573,005		0.0000	1.0000	100.00
5.5	573,005		0.0000	1.0000	100.00
6.5	573,005		0.0000	1.0000	100.00
7.5	573,005		0.0000	1.0000	100.00
8.5	573,005		0.0000	1.0000	100.00
9.5	573,005		0.0000	1.0000	100.00
10.5	573,005		0.0000	1.0000	100.00
11.5	573,005		0.0000	1.0000	100.00
12.5	573,005		0.0000	1.0000	100.00
13.5	573,005		0.0000	1.0000	100.00
14.5	573,005		0.0000	1.0000	100.00
15.5	573,005		0.0000	1.0000	100.00
16.5	573,005		0.0000	1.0000	100.00
17.5	573,005		0.0000	1.0000	100.00
18.5	544,329		0.0000	1.0000	100.00
19.5	544,329		0.0000	1.0000	100.00
20.5	476,006		0.0000	1.0000	100.00
21.5	476,006		0.0000	1.0000	100.00
22.5	476,006		0.0000	1.0000	100.00
23.5	476,006		0.0000	1.0000	100.00
24.5	476,006		0.0000	1.0000	100.00
25.5	476,006		0.0000	1.0000	100.00
26.5	476,006		0.0000	1.0000	100.00
27.5	476,006		0.0000	1.0000	100.00
28.5	467,165		0.0000	1.0000	100.00
29.5	467,165		0.0000	1.0000	100.00
30.5	467,165		0.0000	1.0000	100.00
31.5	467,165		0.0000	1.0000	100.00
32.5	467,165		0.0000	1.0000	100.00
33.5	467,165		0.0000	1.0000	100.00
34.5	467,165		0.0000	1.0000	100.00
35.5	417,847		0.0000	1.0000	100.00
36.5	367,295		0.0000	1.0000	100.00
37.5	367,295		0.0000	1.0000	100.00
38.5	367,295		0.0000	1.0000	100.00

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

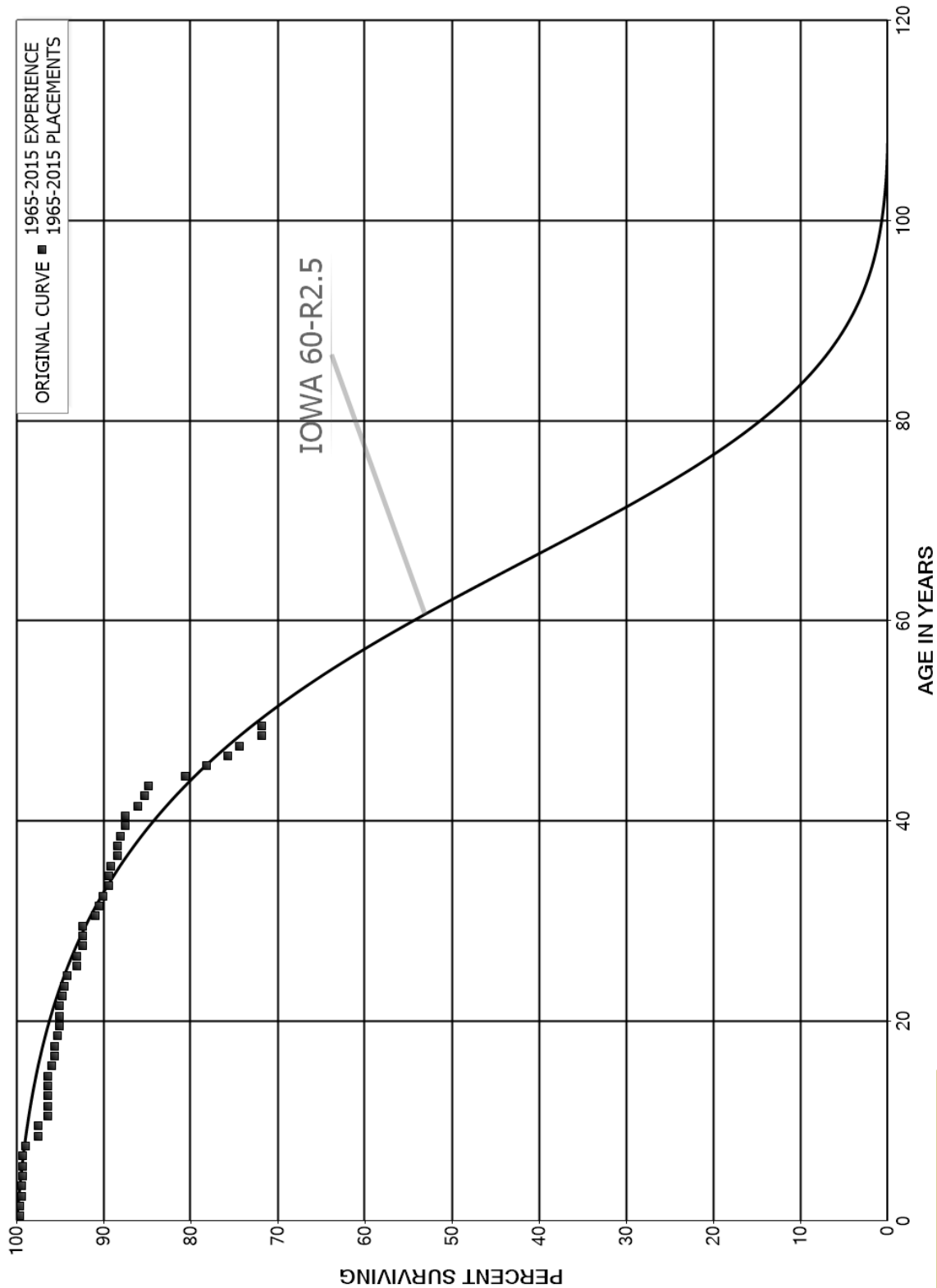
ACCOUNT C07 - CHEMICAL FEED SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2014			EXPERIENCE BAND 1968-2015		
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	367,295		0.0000	1.0000	100.00
40.5	367,295		0.0000	1.0000	100.00
41.5	367,295		0.0000	1.0000	100.00
42.5	367,295		0.0000	1.0000	100.00
43.5	367,295		0.0000	1.0000	100.00
44.5	295,111		0.0000	1.0000	100.00
45.5	295,111		0.0000	1.0000	100.00
46.5	50,552		0.0000	1.0000	100.00
47.5					100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C09 - CIRCUIT BREAKERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C09 - CIRCUIT BREAKERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	42,408,089	160,899	0.0038	0.9962	100.00
0.5	28,938,215		0.0000	1.0000	99.62
1.5	27,073,477	51,514	0.0019	0.9981	99.62
2.5	23,420,774		0.0000	1.0000	99.43
3.5	20,102,925	27,294	0.0014	0.9986	99.43
4.5	19,123,433	7,293	0.0004	0.9996	99.30
5.5	18,642,875		0.0000	1.0000	99.26
6.5	18,034,521	60,978	0.0034	0.9966	99.26
7.5	17,678,078	249,244	0.0141	0.9859	98.92
8.5	17,139,665		0.0000	1.0000	97.53
9.5	16,953,058	200,915	0.0119	0.9881	97.53
10.5	16,702,131		0.0000	1.0000	96.37
11.5	16,621,648		0.0000	1.0000	96.37
12.5	16,272,210		0.0000	1.0000	96.37
13.5	15,850,732		0.0000	1.0000	96.37
14.5	15,832,173	67,355	0.0043	0.9957	96.37
15.5	15,499,963	58,294	0.0038	0.9962	95.96
16.5	15,441,670		0.0000	1.0000	95.60
17.5	15,287,303	50,464	0.0033	0.9967	95.60
18.5	15,043,281	40,862	0.0027	0.9973	95.29
19.5	14,573,151		0.0000	1.0000	95.03
20.5	13,743,654		0.0000	1.0000	95.03
21.5	13,718,206	47,162	0.0034	0.9966	95.03
22.5	13,398,595	20,279	0.0015	0.9985	94.70
23.5	12,287,999	45,251	0.0037	0.9963	94.56
24.5	12,137,656	149,323	0.0123	0.9877	94.21
25.5	11,610,539		0.0000	1.0000	93.05
26.5	11,025,638	72,655	0.0066	0.9934	93.05
27.5	10,808,151		0.0000	1.0000	92.44
28.5	10,733,766		0.0000	1.0000	92.44
29.5	10,696,675	173,483	0.0162	0.9838	92.44
30.5	10,483,633	46,776	0.0045	0.9955	90.94
31.5	10,436,857	56,847	0.0054	0.9946	90.53
32.5	10,067,873	75,026	0.0075	0.9925	90.04
33.5	8,982,702		0.0000	1.0000	89.37
34.5	8,780,905	22,391	0.0025	0.9975	89.37
35.5	8,005,967	65,599	0.0082	0.9918	89.14
36.5	7,862,991		0.0000	1.0000	88.41
37.5	7,494,955	32,264	0.0043	0.9957	88.41
38.5	6,871,566	43,798	0.0064	0.9936	88.03

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

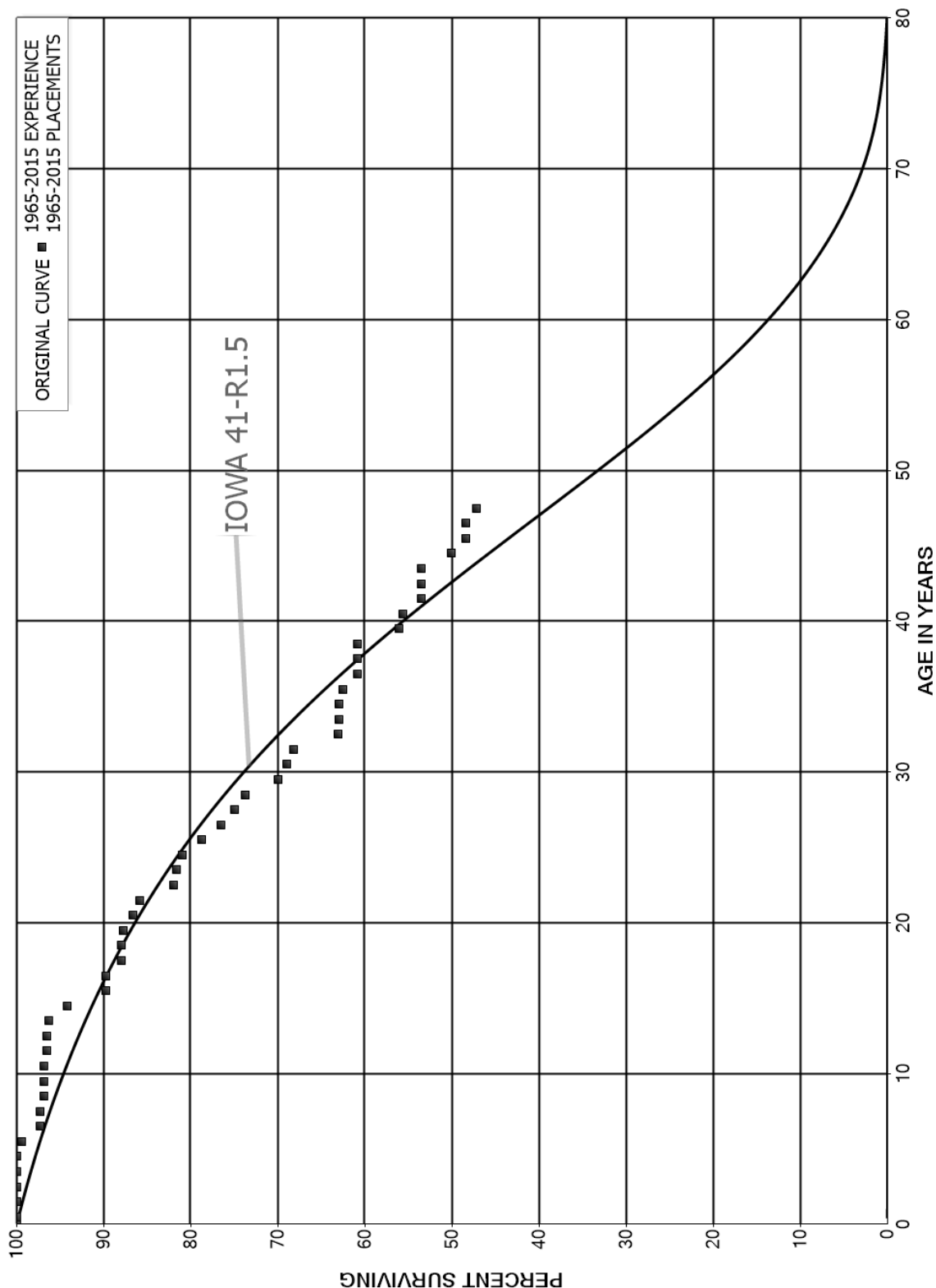
ACCOUNT C09 - CIRCUIT BREAKERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	6,781,445		0.0000	1.0000	87.47
40.5	6,497,180	102,890	0.0158	0.9842	87.47
41.5	6,251,013	54,215	0.0087	0.9913	86.08
42.5	6,196,798	32,682	0.0053	0.9947	85.34
43.5	5,594,010	278,870	0.0499	0.9501	84.89
44.5	4,868,135	149,825	0.0308	0.9692	80.65
45.5	3,050,359	94,629	0.0310	0.9690	78.17
46.5	2,843,847	49,956	0.0176	0.9824	75.75
47.5	1,997,293	68,207	0.0341	0.9659	74.42
48.5	886,988		0.0000	1.0000	71.87
49.5	519,843	94,176	0.1812	0.8188	71.87
50.5					58.85

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C10 - COMPRESSED AIR SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C10 - COMPRESSED AIR SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	18,045,846		0.0000	1.0000	100.00
0.5	9,907,229		0.0000	1.0000	100.00
1.5	7,959,480		0.0000	1.0000	100.00
2.5	6,442,427		0.0000	1.0000	100.00
3.5	6,442,427		0.0000	1.0000	100.00
4.5	5,847,852	32,529	0.0056	0.9944	100.00
5.5	5,674,885	125,289	0.0221	0.9779	99.44
6.5	5,380,906		0.0000	1.0000	97.25
7.5	4,943,013	19,135	0.0039	0.9961	97.25
8.5	4,678,473		0.0000	1.0000	96.87
9.5	4,647,855		0.0000	1.0000	96.87
10.5	4,647,855	17,971	0.0039	0.9961	96.87
11.5	4,629,884		0.0000	1.0000	96.50
12.5	4,429,884	10,656	0.0024	0.9976	96.50
13.5	4,377,956	96,947	0.0221	0.9779	96.27
14.5	4,133,050	192,426	0.0466	0.9534	94.13
15.5	3,745,763	1,766	0.0005	0.9995	89.75
16.5	3,579,639	70,987	0.0198	0.9802	89.71
17.5	3,425,631		0.0000	1.0000	87.93
18.5	3,397,099	8,231	0.0024	0.9976	87.93
19.5	3,378,212	43,863	0.0130	0.9870	87.72
20.5	3,205,312	27,663	0.0086	0.9914	86.58
21.5	2,943,004	132,489	0.0450	0.9550	85.83
22.5	2,766,426	13,168	0.0048	0.9952	81.97
23.5	2,237,625	16,940	0.0076	0.9924	81.58
24.5	2,185,057	59,522	0.0272	0.9728	80.96
25.5	2,083,992	58,872	0.0282	0.9718	78.75
26.5	1,949,912	39,150	0.0201	0.9799	76.53
27.5	1,796,026	29,172	0.0162	0.9838	74.99
28.5	1,730,649	91,004	0.0526	0.9474	73.77
29.5	1,639,645	22,151	0.0135	0.9865	69.89
30.5	1,617,494	17,783	0.0110	0.9890	68.95
31.5	1,433,255	107,523	0.0750	0.9250	68.19
32.5	1,269,188	1,504	0.0012	0.9988	63.08
33.5	1,114,126		0.0000	1.0000	63.00
34.5	1,114,126	9,569	0.0086	0.9914	63.00
35.5	876,987	23,423	0.0267	0.9733	62.46
36.5	811,553		0.0000	1.0000	60.79
37.5	749,163		0.0000	1.0000	60.79
38.5	610,688	47,584	0.0779	0.9221	60.79

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

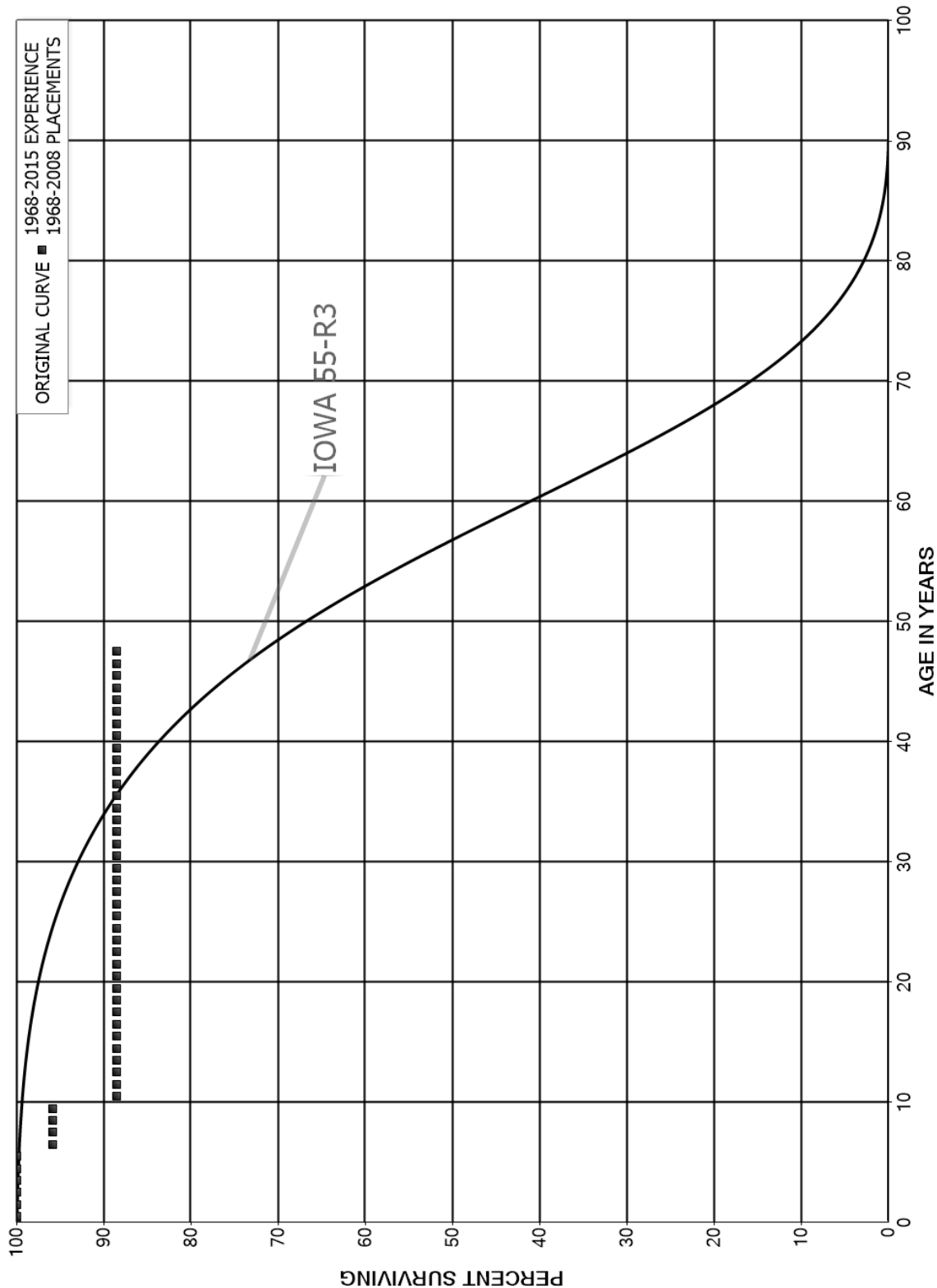
ACCOUNT C10 - COMPRESSED AIR SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	521,153	4,512	0.0087	0.9913	56.06
40.5	506,641	18,589	0.0367	0.9633	55.57
41.5	391,903		0.0000	1.0000	53.53
42.5	391,903		0.0000	1.0000	53.53
43.5	391,903	25,370	0.0647	0.9353	53.53
44.5	251,208	8,181	0.0326	0.9674	50.07
45.5	237,023		0.0000	1.0000	48.44
46.5	195,996	5,167	0.0264	0.9736	48.44
47.5	170,490		0.0000	1.0000	47.16
48.5	36,402		0.0000	1.0000	47.16
49.5					47.16

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C12 - CONDENSERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C12 - CONDENSERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2008			EXPERIENCE BAND 1968-2015		
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	2,754,393		0.0000	1.0000	100.00
0.5	2,754,393		0.0000	1.0000	100.00
1.5	2,754,393		0.0000	1.0000	100.00
2.5	2,754,393		0.0000	1.0000	100.00
3.5	2,754,393		0.0000	1.0000	100.00
4.5	2,754,393		0.0000	1.0000	100.00
5.5	2,754,393	113,499	0.0412	0.9588	100.00
6.5	2,640,894		0.0000	1.0000	95.88
7.5	2,405,299		0.0000	1.0000	95.88
8.5	2,405,299		0.0000	1.0000	95.88
9.5	2,405,299	185,297	0.0770	0.9230	95.88
10.5	2,220,002		0.0000	1.0000	88.49
11.5	2,220,002		0.0000	1.0000	88.49
12.5	2,220,002		0.0000	1.0000	88.49
13.5	2,220,002		0.0000	1.0000	88.49
14.5	2,220,002		0.0000	1.0000	88.49
15.5	2,220,002		0.0000	1.0000	88.49
16.5	2,220,002		0.0000	1.0000	88.49
17.5	2,220,002		0.0000	1.0000	88.49
18.5	2,168,448		0.0000	1.0000	88.49
19.5	2,168,448		0.0000	1.0000	88.49
20.5	2,168,448		0.0000	1.0000	88.49
21.5	2,168,448		0.0000	1.0000	88.49
22.5	2,168,448		0.0000	1.0000	88.49
23.5	2,168,448		0.0000	1.0000	88.49
24.5	2,168,448		0.0000	1.0000	88.49
25.5	2,168,448		0.0000	1.0000	88.49
26.5	2,168,448		0.0000	1.0000	88.49
27.5	2,168,448		0.0000	1.0000	88.49
28.5	2,168,448		0.0000	1.0000	88.49
29.5	2,168,448		0.0000	1.0000	88.49
30.5	2,168,448		0.0000	1.0000	88.49
31.5	2,168,448		0.0000	1.0000	88.49
32.5	2,168,448		0.0000	1.0000	88.49
33.5	2,168,448		0.0000	1.0000	88.49
34.5	2,168,448		0.0000	1.0000	88.49
35.5	125,930		0.0000	1.0000	88.49
36.5	125,930		0.0000	1.0000	88.49
37.5	125,930		0.0000	1.0000	88.49
38.5	125,930		0.0000	1.0000	88.49

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

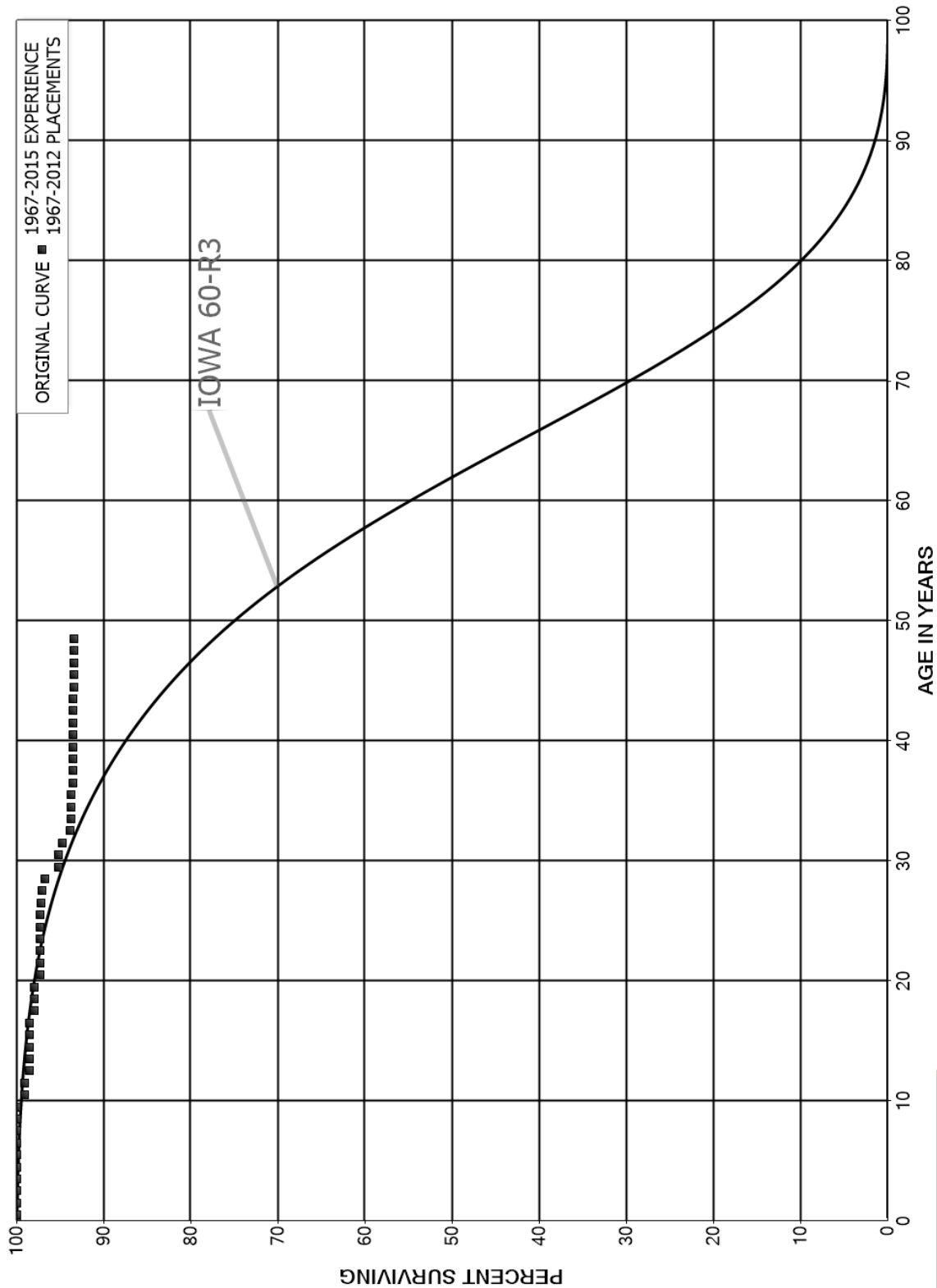
ACCOUNT C12 - CONDENSERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2008			EXPERIENCE BAND 1968-2015		
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	125,930		0.0000	1.0000	88.49
40.5	125,930		0.0000	1.0000	88.49
41.5	125,930		0.0000	1.0000	88.49
42.5	125,930		0.0000	1.0000	88.49
43.5	125,930		0.0000	1.0000	88.49
44.5	125,930		0.0000	1.0000	88.49
45.5	125,930		0.0000	1.0000	88.49
46.5	125,930		0.0000	1.0000	88.49
47.5					88.49

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C13 - CONDUCTOR
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C13 - CONDUCTOR

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2012			EXPERIENCE BAND 1967-2015		
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	70,480,775		0.0000	1.0000	100.00
0.5	70,480,775		0.0000	1.0000	100.00
1.5	70,480,775		0.0000	1.0000	100.00
2.5	70,480,775		0.0000	1.0000	100.00
3.5	70,181,749		0.0000	1.0000	100.00
4.5	70,181,749		0.0000	1.0000	100.00
5.5	70,181,749		0.0000	1.0000	100.00
6.5	70,069,982	67,979	0.0010	0.9990	100.00
7.5	70,002,002		0.0000	1.0000	99.90
8.5	70,002,002		0.0000	1.0000	99.90
9.5	69,296,481	578,547	0.0083	0.9917	99.90
10.5	68,717,933	26,504	0.0004	0.9996	99.07
11.5	68,257,032	370,056	0.0054	0.9946	99.03
12.5	67,665,869	12,891	0.0002	0.9998	98.49
13.5	65,058,158		0.0000	1.0000	98.48
14.5	62,746,193		0.0000	1.0000	98.48
15.5	59,738,827		0.0000	1.0000	98.48
16.5	59,717,138	285,994	0.0048	0.9952	98.48
17.5	57,857,546	63,133	0.0011	0.9989	98.00
18.5	56,648,660		0.0000	1.0000	97.90
19.5	55,424,640	341,068	0.0062	0.9938	97.90
20.5	53,661,174		0.0000	1.0000	97.29
21.5	53,600,351		0.0000	1.0000	97.29
22.5	53,558,762		0.0000	1.0000	97.29
23.5	53,558,762	14,600	0.0003	0.9997	97.29
24.5	53,458,029	990	0.0000	1.0000	97.27
25.5	42,935,498	25,135	0.0006	0.9994	97.27
26.5	42,910,364	85,533	0.0020	0.9980	97.21
27.5	41,350,890	119,028	0.0029	0.9971	97.02
28.5	38,513,640	625,623	0.0162	0.9838	96.74
29.5	37,888,017		0.0000	1.0000	95.16
30.5	32,483,669	133,501	0.0041	0.9959	95.16
31.5	32,302,920	324,580	0.0100	0.9900	94.77
32.5	25,980,143	24,442	0.0009	0.9991	93.82
33.5	22,557,226		0.0000	1.0000	93.73
34.5	18,394,525		0.0000	1.0000	93.73
35.5	18,213,456	53,158	0.0029	0.9971	93.73
36.5	18,160,298		0.0000	1.0000	93.46
37.5	13,235,211		0.0000	1.0000	93.46
38.5	10,190,032		0.0000	1.0000	93.46

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

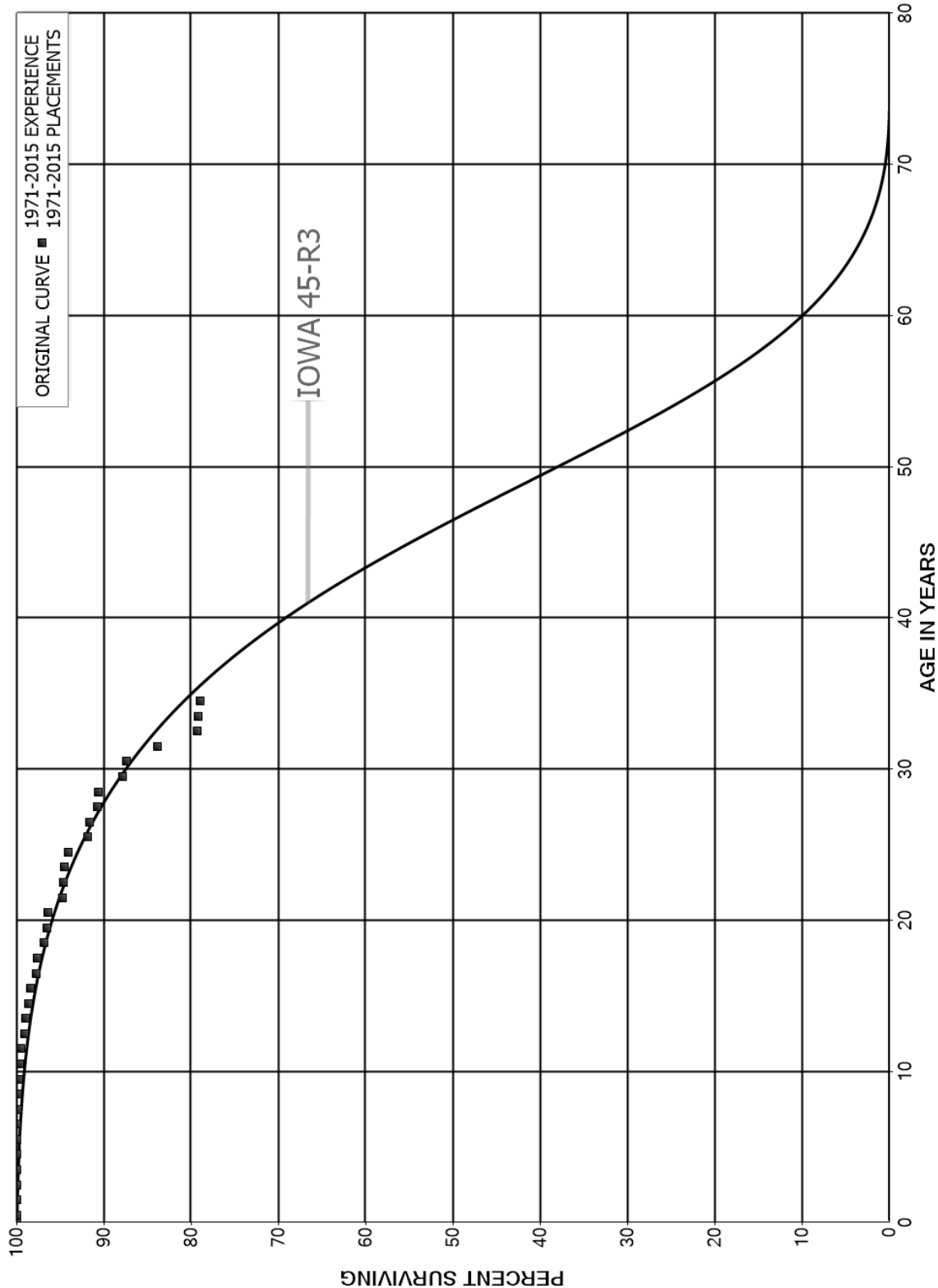
ACCOUNT C13 - CONDUCTOR

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2012			EXPERIENCE BAND 1967-2015		
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	10,074,089		0.0000	1.0000	93.46
40.5	10,074,089		0.0000	1.0000	93.46
41.5	8,354,258		0.0000	1.0000	93.46
42.5	8,354,258		0.0000	1.0000	93.46
43.5	8,354,258	5,238	0.0006	0.9994	93.46
44.5	8,349,019		0.0000	1.0000	93.40
45.5	7,575,829		0.0000	1.0000	93.40
46.5	7,323,183		0.0000	1.0000	93.40
47.5	4,914,311		0.0000	1.0000	93.40
48.5					93.40

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C14 - CONDUCTOR - DISTRIBUTION
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C14 - CONDUCTOR - DISTRIBUTION

ORIGINAL LIFE TABLE

PLACEMENT BAND 1971-2015			EXPERIENCE BAND 1971-2015		
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	36,819,940		0.0000	1.0000	100.00
0.5	35,645,992	479	0.0000	1.0000	100.00
1.5	33,936,800	544	0.0000	1.0000	100.00
2.5	31,408,042	1,531	0.0000	1.0000	100.00
3.5	29,890,463	4,045	0.0001	0.9999	99.99
4.5	29,206,735	8,981	0.0003	0.9997	99.98
5.5	28,940,399	13,474	0.0005	0.9995	99.95
6.5	28,226,144	4,465	0.0002	0.9998	99.90
7.5	27,708,336	25,140	0.0009	0.9991	99.89
8.5	27,179,759	16,412	0.0006	0.9994	99.79
9.5	26,327,109	18,031	0.0007	0.9993	99.73
10.5	26,097,119	33,970	0.0013	0.9987	99.67
11.5	25,761,069	122,738	0.0048	0.9952	99.54
12.5	25,181,970	33,062	0.0013	0.9987	99.06
13.5	21,302,356	59,365	0.0028	0.9972	98.93
14.5	20,663,414	60,355	0.0029	0.9971	98.66
15.5	19,912,890	123,096	0.0062	0.9938	98.37
16.5	19,283,755	28,595	0.0015	0.9985	97.76
17.5	18,725,840	154,385	0.0082	0.9918	97.62
18.5	17,183,862	59,009	0.0034	0.9966	96.81
19.5	16,388,655	23,093	0.0014	0.9986	96.48
20.5	15,598,113	260,829	0.0167	0.9833	96.34
21.5	14,806,008	13,268	0.0009	0.9991	94.73
22.5	14,073,831	19,353	0.0014	0.9986	94.65
23.5	13,845,454	69,553	0.0050	0.9950	94.52
24.5	13,101,525	305,608	0.0233	0.9767	94.04
25.5	11,985,146	25,544	0.0021	0.9979	91.85
26.5	10,692,019	106,506	0.0100	0.9900	91.65
27.5	9,672,675	13,277	0.0014	0.9986	90.74
28.5	8,730,110	270,431	0.0310	0.9690	90.61
29.5	7,794,514	35,049	0.0045	0.9955	87.81
30.5	6,628,324	272,343	0.0411	0.9589	87.41
31.5	5,486,386	295,579	0.0539	0.9461	83.82
32.5	4,824,825	9,868	0.0020	0.9980	79.31
33.5	4,490,644	11,911	0.0027	0.9973	79.14
34.5	684,485		0.0000	1.0000	78.93
35.5	4,409		0.0000	1.0000	78.93
36.5	4,409		0.0000	1.0000	78.93
37.5	4,409		0.0000	1.0000	78.93
38.5	3,753		0.0000	1.0000	78.93

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

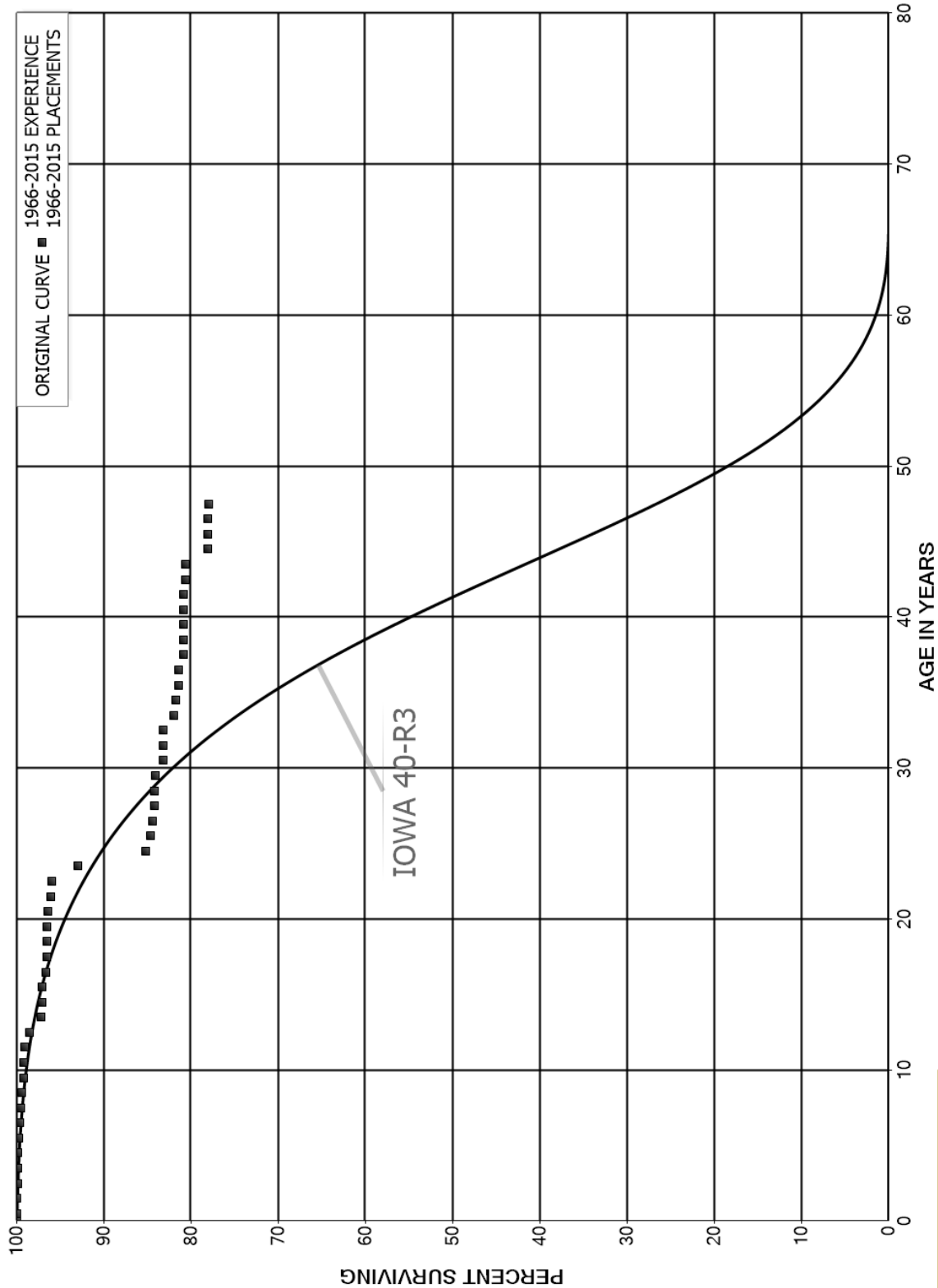
ACCOUNT C14 - CONDUCTOR - DISTRIBUTION

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1971-2015			EXPERIENCE BAND 1971-2015		
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	3,753		0.0000	1.0000	78.93
40.5	3,753		0.0000	1.0000	78.93
41.5	3,753		0.0000	1.0000	78.93
42.5	3,753		0.0000	1.0000	78.93
43.5	3,753		0.0000	1.0000	78.93
44.5					78.93

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C15 - CONTROL, METER / RELAYING
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C15 - CONTROL, METER / RELAYING

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	32,359,950		0.0000	1.0000	100.00
0.5	25,771,532	13,320	0.0005	0.9995	100.00
1.5	25,058,141	34,993	0.0014	0.9986	99.95
2.5	24,421,940		0.0000	1.0000	99.81
3.5	23,172,790	6,163	0.0003	0.9997	99.81
4.5	22,753,741	788	0.0000	1.0000	99.78
5.5	22,213,253	44,781	0.0020	0.9980	99.78
6.5	21,274,185	12,423	0.0006	0.9994	99.58
7.5	21,038,684	25,993	0.0012	0.9988	99.52
8.5	20,930,332	51,041	0.0024	0.9976	99.40
9.5	20,469,755		0.0000	1.0000	99.15
10.5	20,042,613	10,665	0.0005	0.9995	99.15
11.5	19,586,316	111,002	0.0057	0.9943	99.10
12.5	19,028,560	268,994	0.0141	0.9859	98.54
13.5	18,520,510	10,359	0.0006	0.9994	97.15
14.5	17,559,692	9,026	0.0005	0.9995	97.09
15.5	16,727,758	80,152	0.0048	0.9952	97.04
16.5	16,117,217	13,444	0.0008	0.9992	96.58
17.5	15,372,825		0.0000	1.0000	96.50
18.5	14,807,238		0.0000	1.0000	96.50
19.5	14,402,480	13,424	0.0009	0.9991	96.50
20.5	13,323,080	45,052	0.0034	0.9966	96.41
21.5	12,679,908	18,113	0.0014	0.9986	96.08
22.5	12,475,358	395,390	0.0317	0.9683	95.94
23.5	10,815,343	903,684	0.0836	0.9164	92.90
24.5	9,593,893	55,378	0.0058	0.9942	85.14
25.5	8,683,391	30,154	0.0035	0.9965	84.65
26.5	8,180,693	13,142	0.0016	0.9984	84.35
27.5	7,887,390	2,980	0.0004	0.9996	84.22
28.5	7,515,959	12,667	0.0017	0.9983	84.19
29.5	7,143,772	74,334	0.0104	0.9896	84.05
30.5	6,816,996	3,704	0.0005	0.9995	83.17
31.5	6,712,760		0.0000	1.0000	83.13
32.5	6,324,697	88,202	0.0139	0.9861	83.13
33.5	5,577,905	15,672	0.0028	0.9972	81.97
34.5	5,391,777	21,753	0.0040	0.9960	81.74
35.5	4,914,807		0.0000	1.0000	81.41
36.5	4,538,826	33,134	0.0073	0.9927	81.41
37.5	4,132,037		0.0000	1.0000	80.81
38.5	3,885,274		0.0000	1.0000	80.81

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

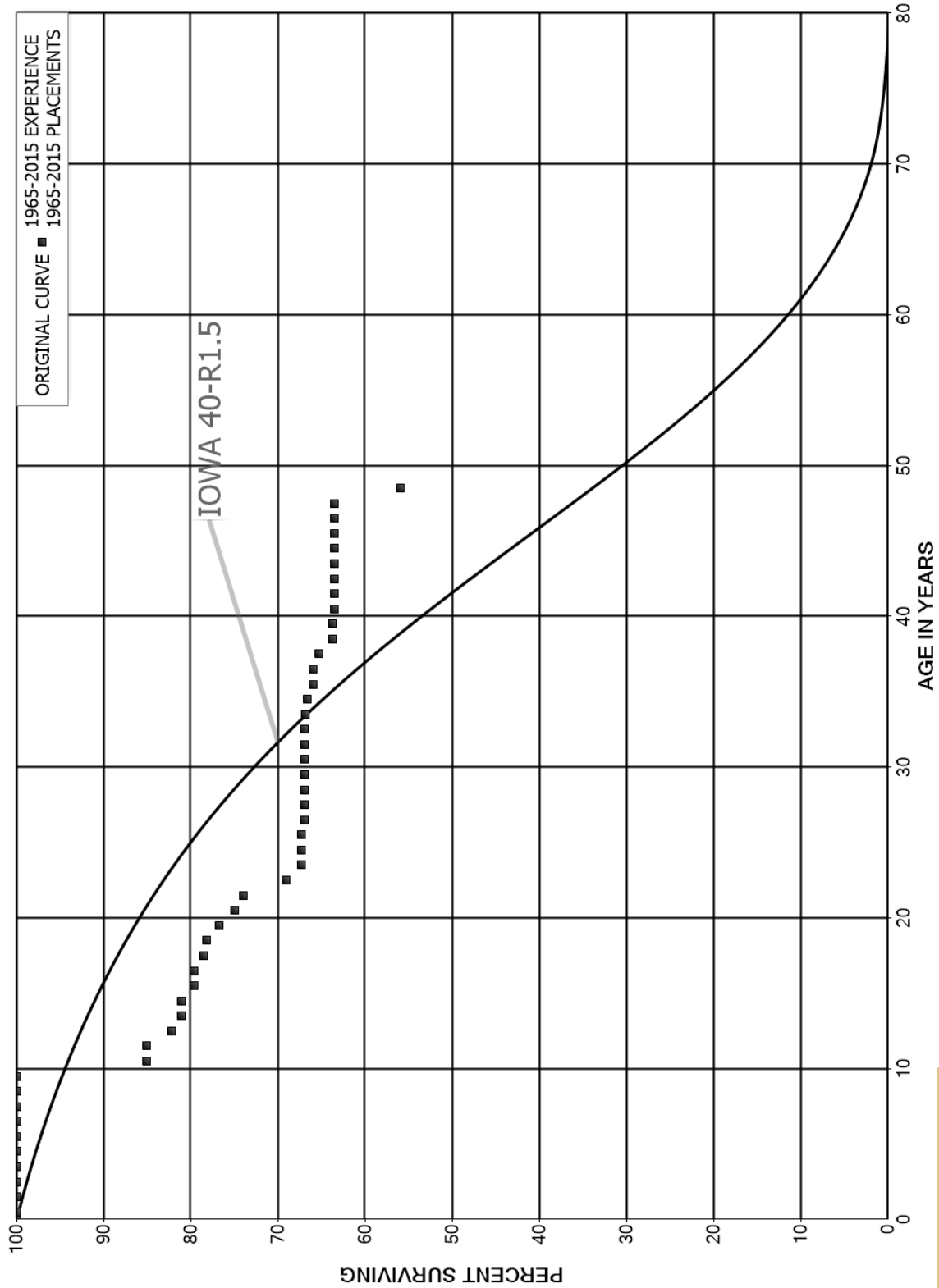
ACCOUNT C15 - CONTROL, METER / RELAYING

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	3,869,706		0.0000	1.0000	80.81
40.5	3,268,599		0.0000	1.0000	80.81
41.5	3,147,635	6,881	0.0022	0.9978	80.81
42.5	3,140,755		0.0000	1.0000	80.64
43.5	3,140,755	99,116	0.0316	0.9684	80.64
44.5	3,041,639		0.0000	1.0000	78.09
45.5	2,507,838		0.0000	1.0000	78.09
46.5	2,492,160	6,399	0.0026	0.9974	78.09
47.5	2,298,558	62,541	0.0272	0.9728	77.89
48.5	36,521		0.0000	1.0000	75.77
49.5					75.77

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C16 - COOLING SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C16 - COOLING SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	11,150,185		0.0000	1.0000	100.00
0.5	7,898,071		0.0000	1.0000	100.00
1.5	7,340,820		0.0000	1.0000	100.00
2.5	5,631,985		0.0000	1.0000	100.00
3.5	5,615,933		0.0000	1.0000	100.00
4.5	5,169,926		0.0000	1.0000	100.00
5.5	4,821,164		0.0000	1.0000	100.00
6.5	4,340,913		0.0000	1.0000	100.00
7.5	3,999,987		0.0000	1.0000	100.00
8.5	3,920,744		0.0000	1.0000	100.00
9.5	3,785,623	566,030	0.1495	0.8505	100.00
10.5	3,190,712		0.0000	1.0000	85.05
11.5	3,190,712	106,045	0.0332	0.9668	85.05
12.5	2,998,348	42,775	0.0143	0.9857	82.22
13.5	2,916,218		0.0000	1.0000	81.05
14.5	2,916,218	51,412	0.0176	0.9824	81.05
15.5	2,712,372		0.0000	1.0000	79.62
16.5	2,605,704	36,863	0.0141	0.9859	79.62
17.5	2,255,278	7,884	0.0035	0.9965	78.49
18.5	2,247,395	42,898	0.0191	0.9809	78.22
19.5	2,204,497	50,693	0.0230	0.9770	76.73
20.5	1,991,939	27,142	0.0136	0.9864	74.96
21.5	1,612,007	107,059	0.0664	0.9336	73.94
22.5	1,495,645	36,960	0.0247	0.9753	69.03
23.5	1,420,769		0.0000	1.0000	67.32
24.5	1,420,769		0.0000	1.0000	67.32
25.5	1,420,769	8,192	0.0058	0.9942	67.32
26.5	1,283,107		0.0000	1.0000	66.94
27.5	1,250,535		0.0000	1.0000	66.94
28.5	1,250,535		0.0000	1.0000	66.94
29.5	1,250,535		0.0000	1.0000	66.94
30.5	1,250,535		0.0000	1.0000	66.94
31.5	1,001,226		0.0000	1.0000	66.94
32.5	992,289	1,500	0.0015	0.9985	66.94
33.5	824,036	3,274	0.0040	0.9960	66.83
34.5	795,673	7,916	0.0099	0.9901	66.57
35.5	761,282		0.0000	1.0000	65.91
36.5	623,479	6,231	0.0100	0.9900	65.91
37.5	617,248	14,120	0.0229	0.9771	65.25
38.5	319,207		0.0000	1.0000	63.76

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

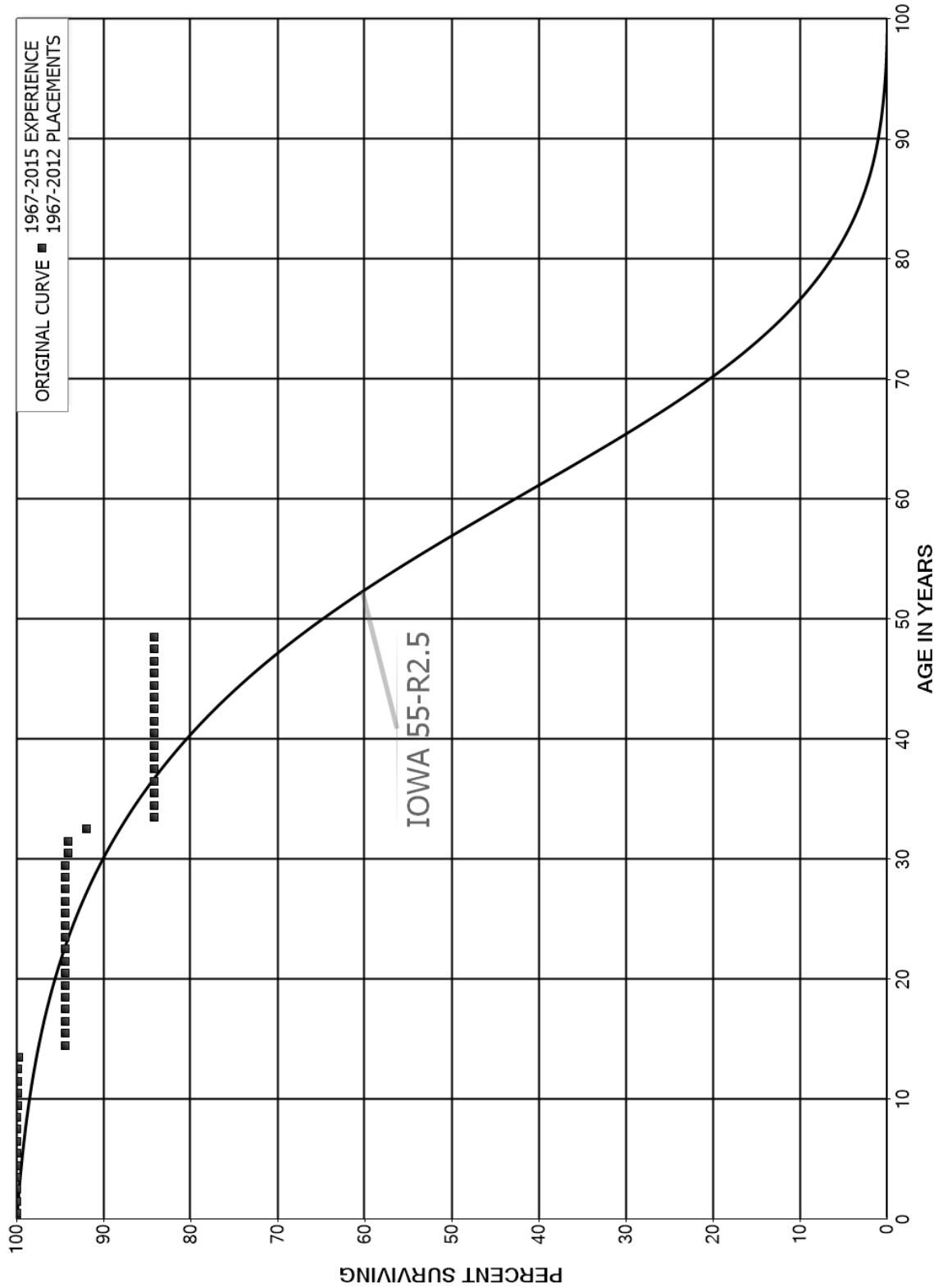
ACCOUNT C16 - COOLING SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	319,207	1,155	0.0036	0.9964	63.76
40.5	318,052		0.0000	1.0000	63.52
41.5	318,052		0.0000	1.0000	63.52
42.5	298,713		0.0000	1.0000	63.52
43.5	298,713		0.0000	1.0000	63.52
44.5	262,697		0.0000	1.0000	63.52
45.5	262,697		0.0000	1.0000	63.52
46.5	213,556	25,000	0.0000	1.0000	63.52
47.5	210,322		0.1189	0.8811	63.52
48.5	185,322		0.0000	1.0000	55.97
49.5	49,715		0.0000	1.0000	55.97
50.5					55.97

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C17 - COUNTERPOISE
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C17 - COUNTERPOISE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2012			EXPERIENCE BAND 1967-2015		
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	3,915,332		0.0000	1.0000	100.00
0.5	3,915,332		0.0000	1.0000	100.00
1.5	3,915,332		0.0000	1.0000	100.00
2.5	3,915,332		0.0000	1.0000	100.00
3.5	3,871,953		0.0000	1.0000	100.00
4.5	3,871,953		0.0000	1.0000	100.00
5.5	3,871,953		0.0000	1.0000	100.00
6.5	3,871,953		0.0000	1.0000	100.00
7.5	3,871,953		0.0000	1.0000	100.00
8.5	3,871,953	5,928	0.0015	0.9985	100.00
9.5	3,866,025		0.0000	1.0000	99.85
10.5	3,866,025		0.0000	1.0000	99.85
11.5	3,866,025		0.0000	1.0000	99.85
12.5	3,513,115	5,192	0.0015	0.9985	99.85
13.5	3,326,719	176,142	0.0529	0.9471	99.70
14.5	2,933,725		0.0000	1.0000	94.42
15.5	2,652,937		0.0000	1.0000	94.42
16.5	2,649,779		0.0000	1.0000	94.42
17.5	2,649,779		0.0000	1.0000	94.42
18.5	2,601,336		0.0000	1.0000	94.42
19.5	2,583,450		0.0000	1.0000	94.42
20.5	2,564,439		0.0000	1.0000	94.42
21.5	2,233,040		0.0000	1.0000	94.42
22.5	1,867,771		0.0000	1.0000	94.42
23.5	1,705,947		0.0000	1.0000	94.42
24.5	1,705,388		0.0000	1.0000	94.42
25.5	1,671,216		0.0000	1.0000	94.42
26.5	1,523,554		0.0000	1.0000	94.42
27.5	1,308,437		0.0000	1.0000	94.42
28.5	1,297,319		0.0000	1.0000	94.42
29.5	1,190,515	4,514	0.0038	0.9962	94.42
30.5	971,350		0.0000	1.0000	94.06
31.5	971,350	21,504	0.0221	0.9779	94.06
32.5	934,320	78,963	0.0845	0.9155	91.98
33.5	827,814		0.0000	1.0000	84.21
34.5	818,308		0.0000	1.0000	84.21
35.5	818,308		0.0000	1.0000	84.21
36.5	818,308		0.0000	1.0000	84.21
37.5	694,989		0.0000	1.0000	84.21
38.5	694,989		0.0000	1.0000	84.21

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

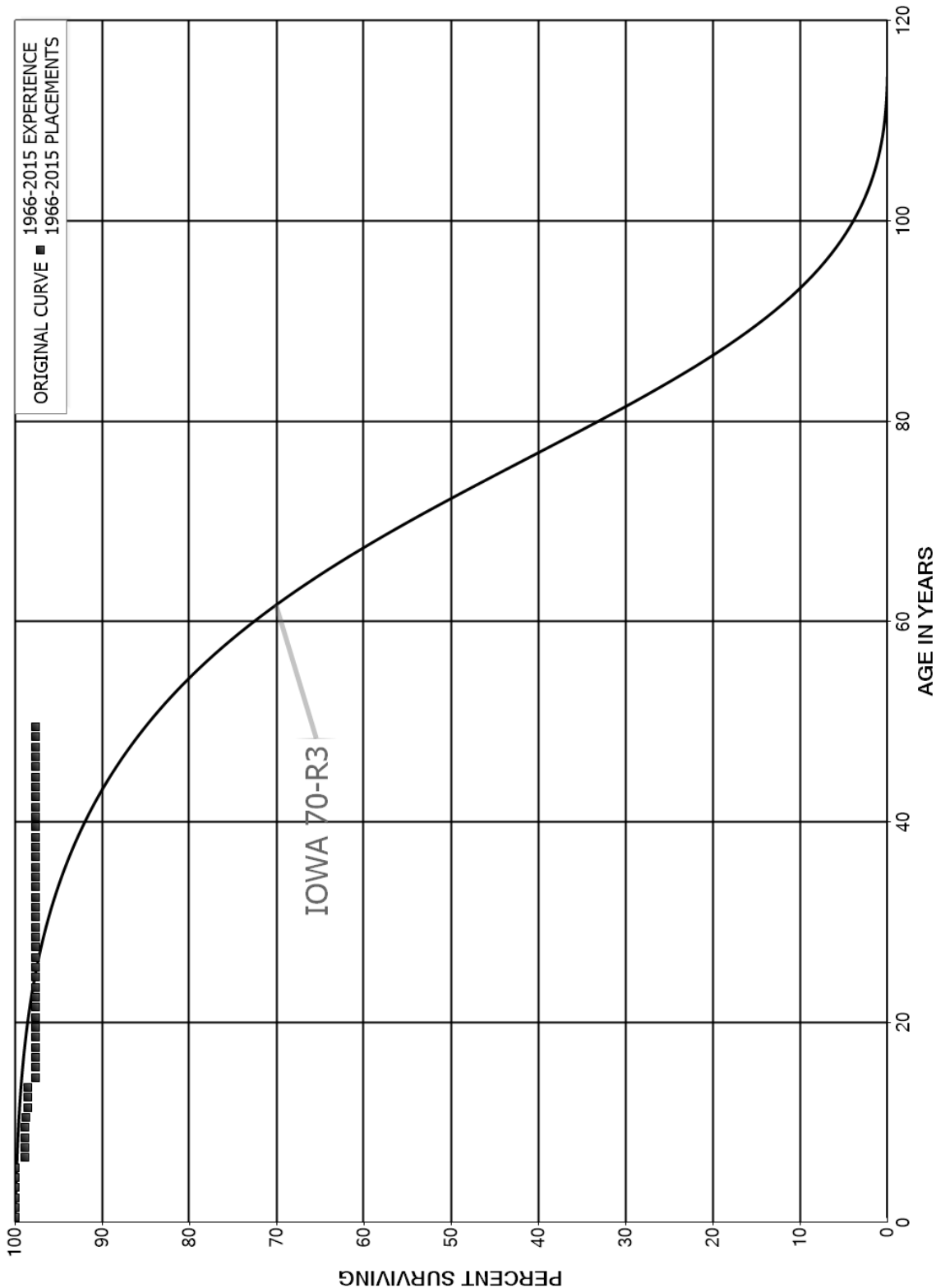
ACCOUNT C17 - COUNTERPOISE

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2012			EXPERIENCE BAND 1967-2015		
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	694,989		0.0000	1.0000	84.21
40.5	694,989		0.0000	1.0000	84.21
41.5	679,437		0.0000	1.0000	84.21
42.5	679,437		0.0000	1.0000	84.21
43.5	679,437		0.0000	1.0000	84.21
44.5	679,437		0.0000	1.0000	84.21
45.5	678,891		0.0000	1.0000	84.21
46.5	678,891		0.0000	1.0000	84.21
47.5	431,098		0.0000	1.0000	84.21
48.5					84.21

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C18 - CRANES
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C18 - CRANES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	7,041,523		0.0000	1.0000	100.00
0.5	7,028,081		0.0000	1.0000	100.00
1.5	6,964,914		0.0000	1.0000	100.00
2.5	6,749,075		0.0000	1.0000	100.00
3.5	6,749,075		0.0000	1.0000	100.00
4.5	6,605,709		0.0000	1.0000	100.00
5.5	6,605,709	75,734	0.0115	0.9885	100.00
6.5	6,529,974		0.0000	1.0000	98.85
7.5	6,514,785		0.0000	1.0000	98.85
8.5	6,514,785		0.0000	1.0000	98.85
9.5	6,420,884	4,823	0.0008	0.9992	98.85
10.5	6,416,061	16,543	0.0026	0.9974	98.78
11.5	6,399,518		0.0000	1.0000	98.52
12.5	4,839,368		0.0000	1.0000	98.52
13.5	4,830,953	42,281	0.0088	0.9912	98.52
14.5	4,788,672		0.0000	1.0000	97.66
15.5	4,788,672		0.0000	1.0000	97.66
16.5	4,788,672		0.0000	1.0000	97.66
17.5	4,788,672		0.0000	1.0000	97.66
18.5	4,788,672		0.0000	1.0000	97.66
19.5	4,782,465		0.0000	1.0000	97.66
20.5	4,778,683		0.0000	1.0000	97.66
21.5	4,778,683		0.0000	1.0000	97.66
22.5	4,763,241		0.0000	1.0000	97.66
23.5	4,763,241		0.0000	1.0000	97.66
24.5	4,763,241		0.0000	1.0000	97.66
25.5	4,763,241		0.0000	1.0000	97.66
26.5	4,739,441		0.0000	1.0000	97.66
27.5	4,434,835		0.0000	1.0000	97.66
28.5	4,434,835		0.0000	1.0000	97.66
29.5	4,434,835		0.0000	1.0000	97.66
30.5	4,311,217		0.0000	1.0000	97.66
31.5	3,317,260		0.0000	1.0000	97.66
32.5	3,317,260		0.0000	1.0000	97.66
33.5	1,815,849		0.0000	1.0000	97.66
34.5	1,815,849		0.0000	1.0000	97.66
35.5	1,679,562		0.0000	1.0000	97.66
36.5	1,081,985		0.0000	1.0000	97.66
37.5	1,081,985		0.0000	1.0000	97.66
38.5	1,081,985		0.0000	1.0000	97.66

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

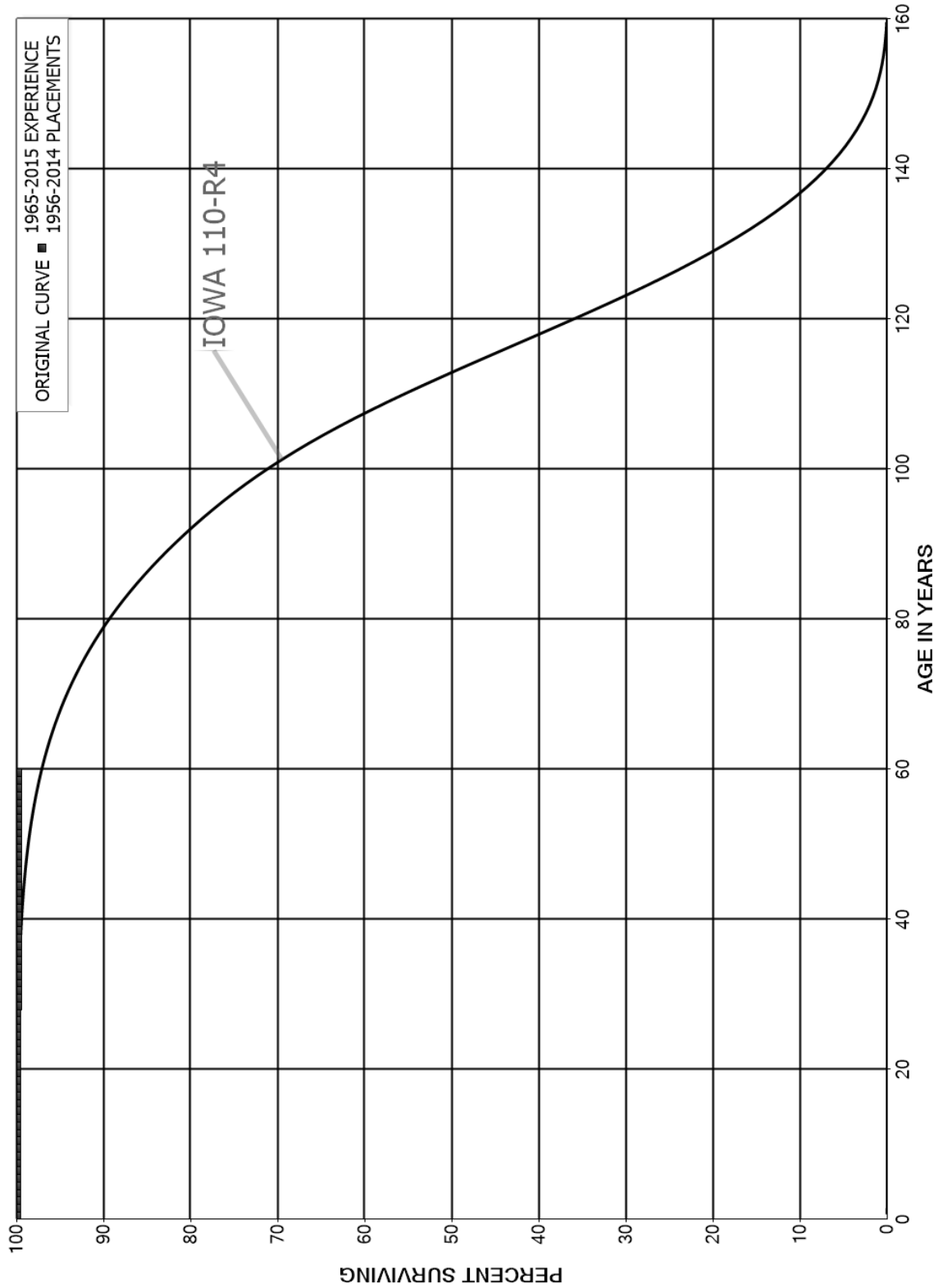
ACCOUNT C18 - CRANES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	1,081,985		0.0000	1.0000	97.66
40.5	1,081,985		0.0000	1.0000	97.66
41.5	1,081,985		0.0000	1.0000	97.66
42.5	1,081,985		0.0000	1.0000	97.66
43.5	1,081,985		0.0000	1.0000	97.66
44.5	1,081,985		0.0000	1.0000	97.66
45.5	1,081,985		0.0000	1.0000	97.66
46.5	847,978		0.0000	1.0000	97.66
47.5	847,978		0.0000	1.0000	97.66
48.5	658,978		0.0000	1.0000	97.66
49.5					97.66

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT D01 - DAMS AND DIKES
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT D01 - DAMS AND DIKES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1956-2014			EXPERIENCE BAND 1965-2015		
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	361,974,611		0.0000	1.0000	100.00
0.5	361,974,611		0.0000	1.0000	100.00
1.5	361,816,305		0.0000	1.0000	100.00
2.5	361,816,305		0.0000	1.0000	100.00
3.5	360,513,319		0.0000	1.0000	100.00
4.5	360,513,319		0.0000	1.0000	100.00
5.5	360,016,433		0.0000	1.0000	100.00
6.5	359,312,256		0.0000	1.0000	100.00
7.5	359,312,256		0.0000	1.0000	100.00
8.5	359,927,562		0.0000	1.0000	100.00
9.5	359,927,562		0.0000	1.0000	100.00
10.5	357,064,279		0.0000	1.0000	100.00
11.5	357,064,279		0.0000	1.0000	100.00
12.5	328,845,243		0.0000	1.0000	100.00
13.5	328,845,243		0.0000	1.0000	100.00
14.5	328,845,243		0.0000	1.0000	100.00
15.5	328,845,243		0.0000	1.0000	100.00
16.5	328,845,243		0.0000	1.0000	100.00
17.5	328,845,243		0.0000	1.0000	100.00
18.5	328,845,243		0.0000	1.0000	100.00
19.5	328,845,243		0.0000	1.0000	100.00
20.5	328,845,243		0.0000	1.0000	100.00
21.5	328,845,243		0.0000	1.0000	100.00
22.5	328,840,531		0.0000	1.0000	100.00
23.5	328,802,521		0.0000	1.0000	100.00
24.5	328,802,521		0.0000	1.0000	100.00
25.5	328,802,521		0.0000	1.0000	100.00
26.5	328,299,433		0.0000	1.0000	100.00
27.5	316,297,101	677,266	0.0021	0.9979	100.00
28.5	315,619,835		0.0000	1.0000	99.79
29.5	315,571,032		0.0000	1.0000	99.79
30.5	304,575,473	134	0.0000	1.0000	99.79
31.5	191,450,701		0.0000	1.0000	99.79
32.5	169,766,434		0.0000	1.0000	99.79
33.5	114,996,228		0.0000	1.0000	99.79
34.5	114,996,228		0.0000	1.0000	99.79
35.5	106,262,617		0.0000	1.0000	99.79
36.5	79,308,072		0.0000	1.0000	99.79
37.5	75,663,686		0.0000	1.0000	99.79
38.5	75,663,686		0.0000	1.0000	99.79

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

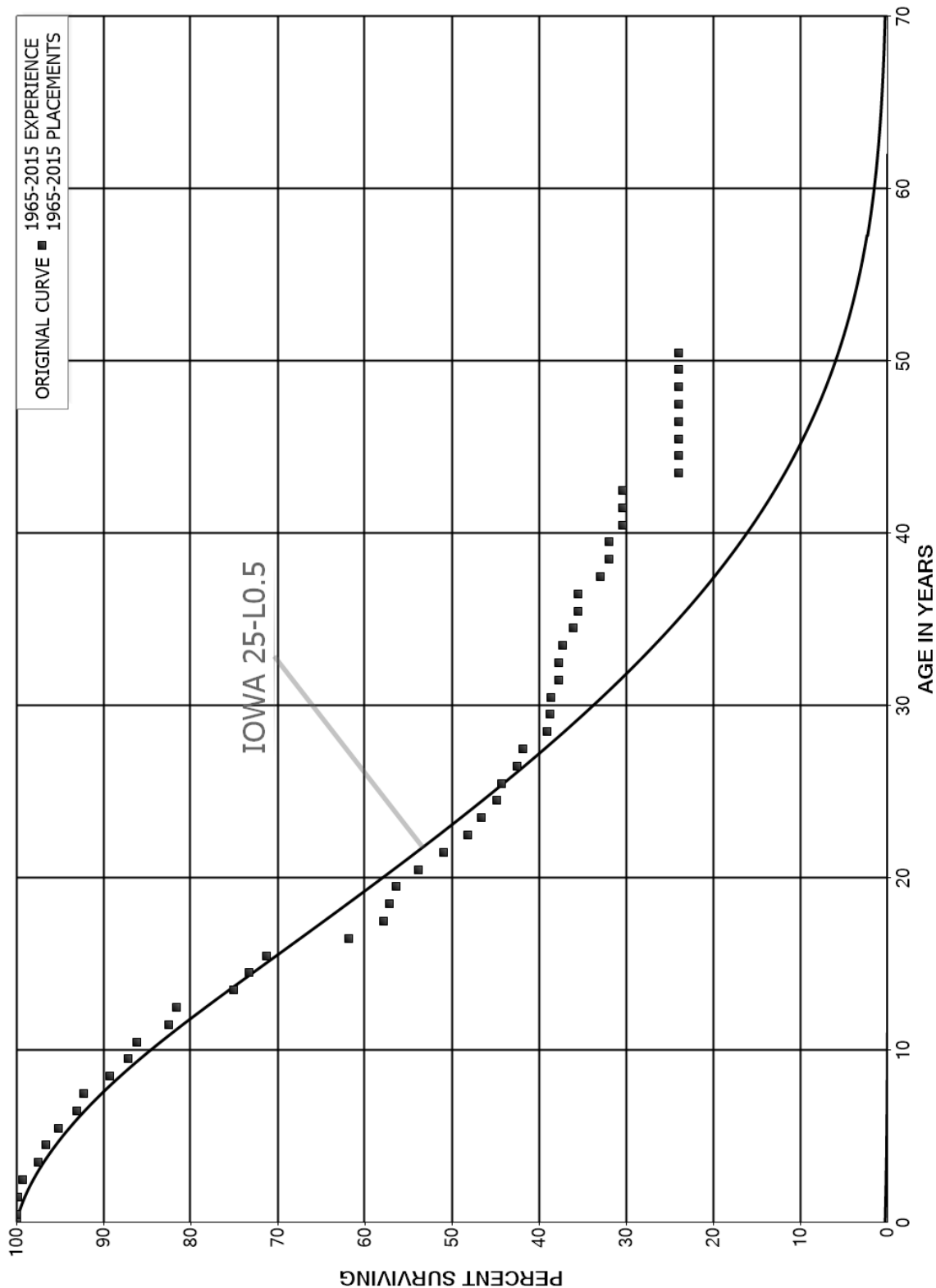
ACCOUNT D01 - DAMS AND DIKES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1956-2014			EXPERIENCE BAND 1965-2015		
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	75,663,686		0.0000	1.0000	99.79
40.5	75,663,686		0.0000	1.0000	99.79
41.5	75,663,686		0.0000	1.0000	99.79
42.5	75,663,686		0.0000	1.0000	99.79
43.5	75,663,686		0.0000	1.0000	99.79
44.5	75,663,686	3,146	0.0000	1.0000	99.79
45.5	70,760,716		0.0000	1.0000	99.78
46.5	70,614,492		0.0000	1.0000	99.78
47.5	70,614,492		0.0000	1.0000	99.78
48.5	43,482,527	116	0.0000	1.0000	99.78
49.5	615,306		0.0000	1.0000	99.78
50.5	615,306		0.0000	1.0000	99.78
51.5	615,306		0.0000	1.0000	99.78
52.5	615,306		0.0000	1.0000	99.78
53.5	615,306		0.0000	1.0000	99.78
54.5	615,306		0.0000	1.0000	99.78
55.5	615,306		0.0000	1.0000	99.78
56.5	615,306		0.0000	1.0000	99.78
57.5	615,306		0.0000	1.0000	99.78
58.5	615,306		0.0000	1.0000	99.78
59.5					99.78

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT D02 - DIESEL SYSTEMS AND ENGINES
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT D02 - DIESEL SYSTEMS AND ENGINES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	60,908,369		0.0000	1.0000	100.00
0.5	58,476,998	126,086	0.0022	0.9978	100.00
1.5	51,717,002	280,669	0.0054	0.9946	99.78
2.5	49,925,783	863,917	0.0173	0.9827	99.24
3.5	46,654,770	449,035	0.0096	0.9904	97.53
4.5	42,463,182	624,574	0.0147	0.9853	96.59
5.5	39,066,836	852,864	0.0218	0.9782	95.17
6.5	35,576,464	301,402	0.0085	0.9915	93.09
7.5	35,166,050	1,135,416	0.0323	0.9677	92.30
8.5	33,113,977	797,058	0.0241	0.9759	89.32
9.5	31,958,993	373,543	0.0117	0.9883	87.17
10.5	30,479,328	1,275,308	0.0418	0.9582	86.15
11.5	29,204,020	323,119	0.0111	0.9889	82.55
12.5	28,638,070	2,294,762	0.0801	0.9199	81.63
13.5	24,704,152	587,844	0.0238	0.9762	75.09
14.5	22,153,380	608,581	0.0275	0.9725	73.31
15.5	20,064,729	2,668,955	0.1330	0.8670	71.29
16.5	17,163,010	1,093,659	0.0637	0.9363	61.81
17.5	14,959,659	166,917	0.0112	0.9888	57.87
18.5	13,363,449	201,359	0.0151	0.9849	57.22
19.5	12,632,012	555,987	0.0440	0.9560	56.36
20.5	11,445,530	617,375	0.0539	0.9461	53.88
21.5	9,299,615	517,598	0.0557	0.9443	50.97
22.5	8,673,038	277,348	0.0320	0.9680	48.14
23.5	8,367,321	313,199	0.0374	0.9626	46.60
24.5	7,670,193	100,631	0.0131	0.9869	44.85
25.5	7,097,159	286,403	0.0404	0.9596	44.27
26.5	6,746,698	95,097	0.0141	0.9859	42.48
27.5	6,567,795	436,304	0.0664	0.9336	41.88
28.5	6,089,567	63,530	0.0104	0.9896	39.10
29.5	5,871,542	9,325	0.0016	0.9984	38.69
30.5	5,862,217	133,451	0.0228	0.9772	38.63
31.5	5,391,672		0.0000	1.0000	37.75
32.5	4,153,672	48,702	0.0117	0.9883	37.75
33.5	3,171,517	105,997	0.0334	0.9666	37.31
34.5	2,612,444	41,778	0.0160	0.9840	36.06
35.5	1,432,816		0.0000	1.0000	35.48
36.5	1,432,816	100,048	0.0698	0.9302	35.48
37.5	1,332,768	42,474	0.0319	0.9681	33.01
38.5	1,290,294		0.0000	1.0000	31.95

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

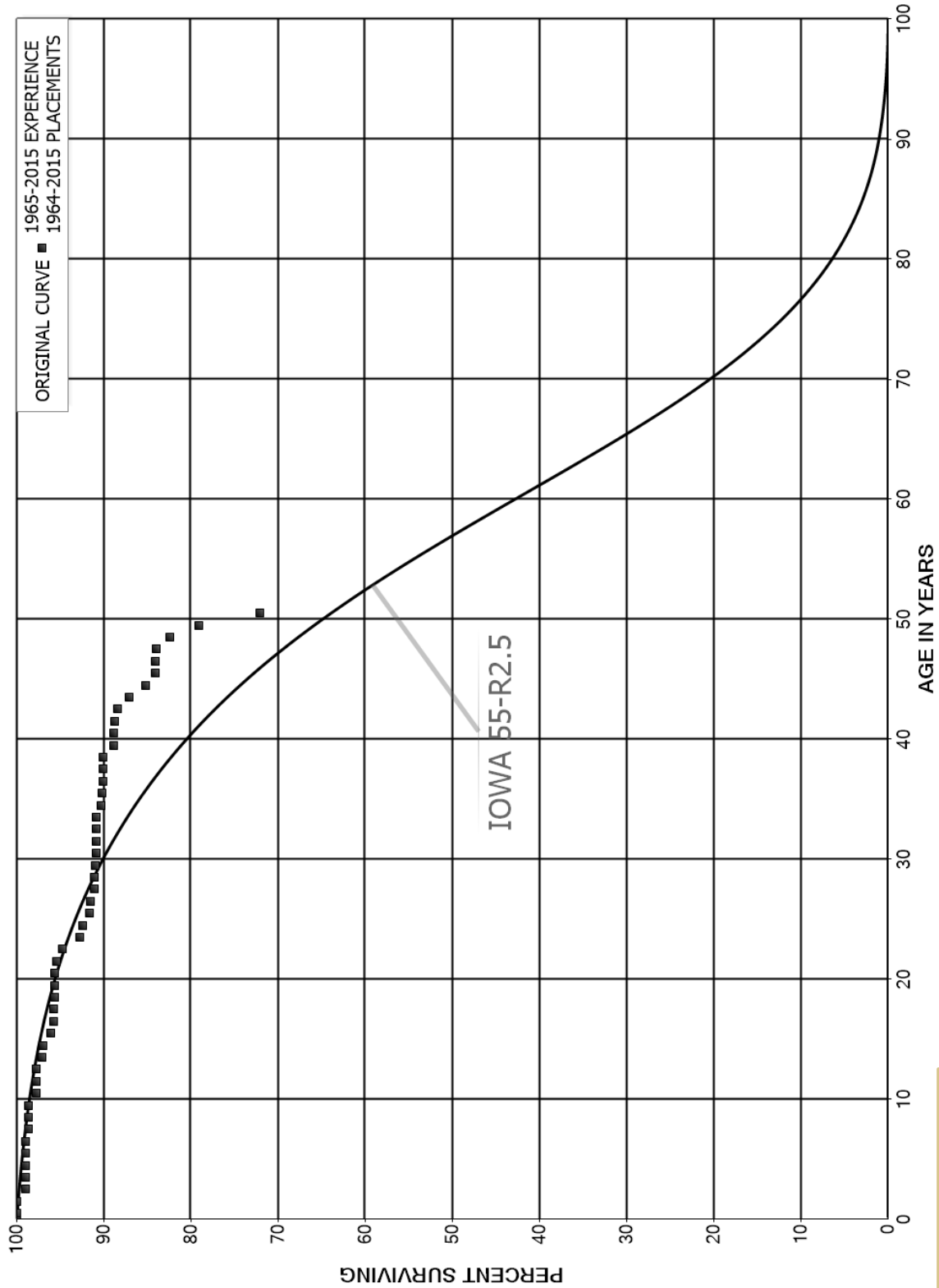
ACCOUNT D02 - DIESEL SYSTEMS AND ENGINES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	1,290,294	63,514	0.0492	0.9508	31.95
40.5	1,226,781		0.0000	1.0000	30.38
41.5	1,226,781		0.0000	1.0000	30.38
42.5	831,977	177,189	0.2130	0.7870	30.38
43.5	654,787		0.0000	1.0000	23.91
44.5	654,787		0.0000	1.0000	23.91
45.5	654,787		0.0000	1.0000	23.91
46.5	654,787		0.0000	1.0000	23.91
47.5	644,462		0.0000	1.0000	23.91
48.5	644,462		0.0000	1.0000	23.91
49.5	644,462		0.0000	1.0000	23.91
50.5					23.91

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT D03 - DISCONNECT SWITCHES
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT D03 - DISCONNECT SWITCHES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1964-2015			EXPERIENCE BAND 1965-2015		
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	22,095,900		0.0000	1.0000	100.00
0.5	17,474,940		0.0000	1.0000	100.00
1.5	14,553,456	152,196	0.0105	0.9895	100.00
2.5	13,319,299		0.0000	1.0000	98.95
3.5	11,785,456		0.0000	1.0000	98.95
4.5	10,687,854		0.0000	1.0000	98.95
5.5	10,630,784		0.0000	1.0000	98.95
6.5	10,098,449	33,780	0.0033	0.9967	98.95
7.5	10,064,669	5,835	0.0006	0.9994	98.62
8.5	10,058,833		0.0000	1.0000	98.57
9.5	10,023,738	86,743	0.0087	0.9913	98.57
10.5	9,749,421		0.0000	1.0000	97.71
11.5	9,591,623		0.0000	1.0000	97.71
12.5	9,461,971	65,466	0.0069	0.9931	97.71
13.5	9,208,933	5,635	0.0006	0.9994	97.04
14.5	9,106,778	85,267	0.0094	0.9906	96.98
15.5	8,851,445	34,139	0.0039	0.9961	96.07
16.5	8,817,307	525	0.0001	0.9999	95.70
17.5	8,650,640	4,171	0.0005	0.9995	95.69
18.5	8,615,939		0.0000	1.0000	95.65
19.5	8,314,559		0.0000	1.0000	95.65
20.5	7,892,188	16,500	0.0021	0.9979	95.65
21.5	7,839,960	59,725	0.0076	0.9924	95.45
22.5	7,675,252	165,724	0.0216	0.9784	94.72
23.5	7,278,498	24,416	0.0034	0.9966	92.67
24.5	7,217,752	57,499	0.0080	0.9920	92.36
25.5	6,678,456	10,004	0.0015	0.9985	91.63
26.5	6,165,686	29,781	0.0048	0.9952	91.49
27.5	6,003,213		0.0000	1.0000	91.05
28.5	5,851,512	4,308	0.0007	0.9993	91.05
29.5	5,815,459	9,658	0.0017	0.9983	90.98
30.5	5,789,888		0.0000	1.0000	90.83
31.5	5,745,574		0.0000	1.0000	90.83
32.5	5,701,491	1,339	0.0002	0.9998	90.83
33.5	5,418,574	29,924	0.0055	0.9945	90.81
34.5	5,253,728	9,267	0.0018	0.9982	90.31
35.5	4,970,406	2,913	0.0006	0.9994	90.15
36.5	4,925,181	1,802	0.0004	0.9996	90.10
37.5	4,680,873	1,368	0.0003	0.9997	90.06
38.5	4,283,650	55,197	0.0129	0.9871	90.04

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

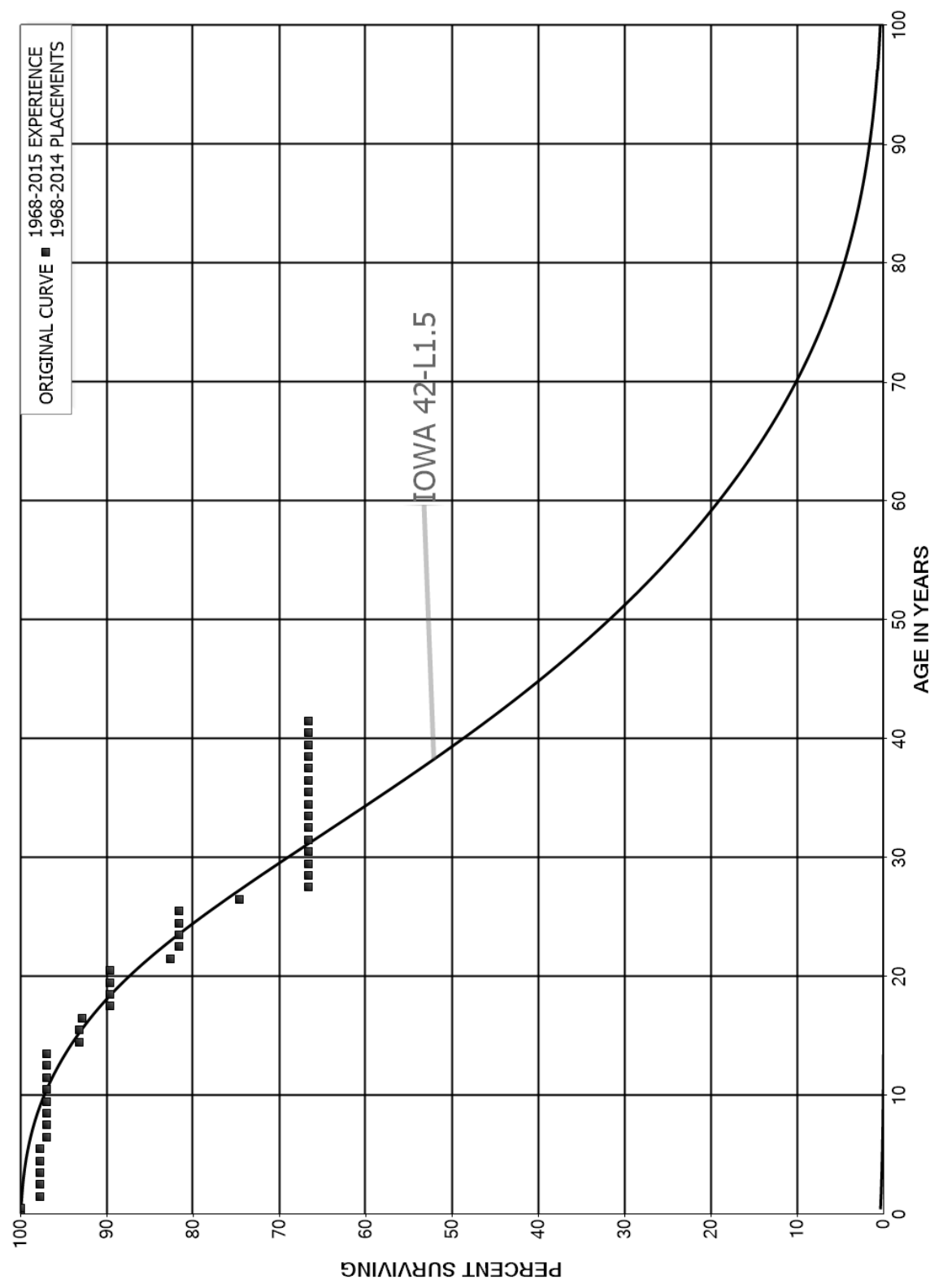
ACCOUNT D03 - DISCONNECT SWITCHES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1964-2015			EXPERIENCE BAND 1965-2015		
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	4,206,628		0.0000	1.0000	88.88
40.5	4,034,274	5,338	0.0013	0.9987	88.88
41.5	3,868,789	15,233	0.0039	0.9961	88.76
42.5	3,853,556	58,335	0.0151	0.9849	88.41
43.5	3,515,199	75,906	0.0216	0.9784	87.07
44.5	3,207,262	43,610	0.0136	0.9864	85.19
45.5	1,890,413		0.0000	1.0000	84.03
46.5	1,682,694	1,656	0.0010	0.9990	84.03
47.5	1,198,598	21,486	0.0179	0.9821	83.95
48.5	462,249	18,789	0.0406	0.9594	82.44
49.5	265,793	23,522	0.0885	0.9115	79.09
50.5					72.09

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT D04 - DYKES AND LINERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT D04 - DYKES AND LINERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2014			EXPERIENCE BAND 1968-2015		
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	3,257,663		0.0000	1.0000	100.00
0.5	3,257,663	75,464	0.0232	0.9768	100.00
1.5	3,132,304		0.0000	1.0000	97.68
2.5	3,132,304		0.0000	1.0000	97.68
3.5	3,132,304		0.0000	1.0000	97.68
4.5	2,653,521		0.0000	1.0000	97.68
5.5	2,653,521	19,425	0.0073	0.9927	97.68
6.5	2,634,096		0.0000	1.0000	96.97
7.5	2,634,096		0.0000	1.0000	96.97
8.5	2,634,096		0.0000	1.0000	96.97
9.5	2,634,096		0.0000	1.0000	96.97
10.5	2,617,582		0.0000	1.0000	96.97
11.5	2,617,582		0.0000	1.0000	96.97
12.5	2,617,582		0.0000	1.0000	96.97
13.5	2,541,694	98,455	0.0387	0.9613	96.97
14.5	2,443,238		0.0000	1.0000	93.21
15.5	2,443,238	9,704	0.0040	0.9960	93.21
16.5	2,299,051	81,055	0.0353	0.9647	92.84
17.5	2,178,399		0.0000	1.0000	89.57
18.5	2,178,399		0.0000	1.0000	89.57
19.5	2,178,399		0.0000	1.0000	89.57
20.5	2,178,399	168,684	0.0774	0.9226	89.57
21.5	2,009,715	25,156	0.0125	0.9875	82.63
22.5	1,984,559		0.0000	1.0000	81.60
23.5	1,767,499		0.0000	1.0000	81.60
24.5	1,767,499		0.0000	1.0000	81.60
25.5	1,503,267	128,562	0.0855	0.9145	81.60
26.5	1,374,705	147,344	0.1072	0.8928	74.62
27.5	1,227,361		0.0000	1.0000	66.62
28.5	1,045,371		0.0000	1.0000	66.62
29.5	1,045,371		0.0000	1.0000	66.62
30.5	833,860		0.0000	1.0000	66.62
31.5	833,860		0.0000	1.0000	66.62
32.5	765,383		0.0000	1.0000	66.62
33.5	675,487		0.0000	1.0000	66.62
34.5	462,303		0.0000	1.0000	66.62
35.5	408,403		0.0000	1.0000	66.62
36.5	408,403		0.0000	1.0000	66.62
37.5	408,403		0.0000	1.0000	66.62
38.5	408,403		0.0000	1.0000	66.62

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

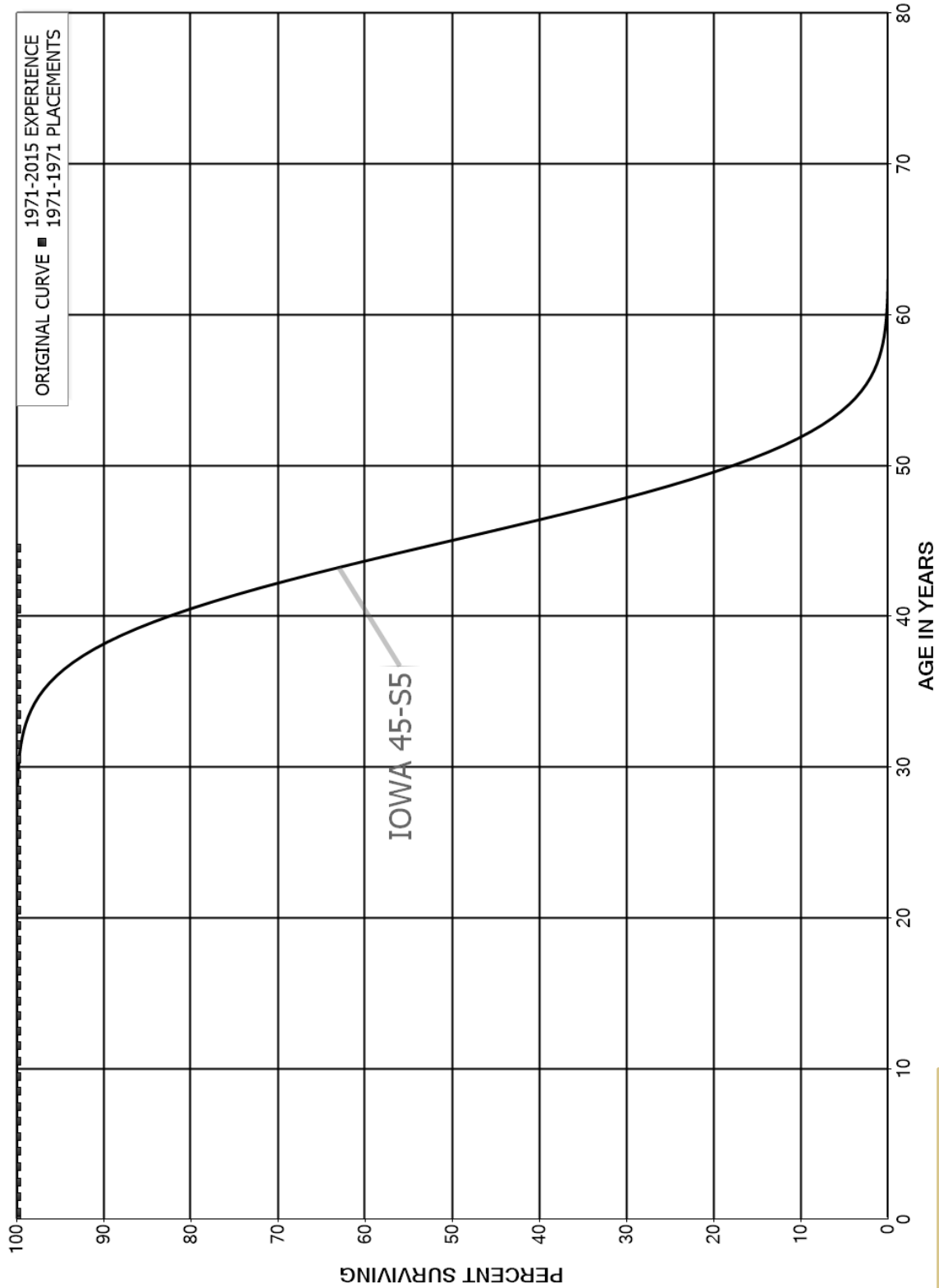
ACCOUNT D04 - DYKES AND LINERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2014			EXPERIENCE BAND 1968-2015		
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	408,403		0.0000	1.0000	66.62
40.5	195,060		0.0000	1.0000	66.62
41.5	52,960		0.0000	1.0000	66.62
42.5	52,960	26,480	0.5000	0.5000	66.62
43.5	26,480		0.0000	1.0000	33.31
44.5	26,480		0.0000	1.0000	33.31
45.5	26,480		0.0000	1.0000	33.31
46.5	26,480		0.0000	1.0000	33.31
47.5					33.31

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT E01 - ELEVATORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



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NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT E01 - ELEVATORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1971-1971			EXPERIENCE BAND 1971-2015		
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	89,800		0.0000	1.0000	100.00
0.5	89,800		0.0000	1.0000	100.00
1.5	89,800		0.0000	1.0000	100.00
2.5	89,800		0.0000	1.0000	100.00
3.5	89,800		0.0000	1.0000	100.00
4.5	89,800		0.0000	1.0000	100.00
5.5	89,800		0.0000	1.0000	100.00
6.5	89,800		0.0000	1.0000	100.00
7.5	89,800		0.0000	1.0000	100.00
8.5	89,800		0.0000	1.0000	100.00
9.5	89,800		0.0000	1.0000	100.00
10.5	89,800		0.0000	1.0000	100.00
11.5	89,800		0.0000	1.0000	100.00
12.5	89,800		0.0000	1.0000	100.00
13.5	89,800		0.0000	1.0000	100.00
14.5	89,800		0.0000	1.0000	100.00
15.5	89,800		0.0000	1.0000	100.00
16.5	89,800		0.0000	1.0000	100.00
17.5	89,800		0.0000	1.0000	100.00
18.5	89,800		0.0000	1.0000	100.00
19.5	89,800		0.0000	1.0000	100.00
20.5	89,800		0.0000	1.0000	100.00
21.5	89,800		0.0000	1.0000	100.00
22.5	89,800		0.0000	1.0000	100.00
23.5	89,800		0.0000	1.0000	100.00
24.5	89,800		0.0000	1.0000	100.00
25.5	89,800		0.0000	1.0000	100.00
26.5	89,800		0.0000	1.0000	100.00
27.5	89,800		0.0000	1.0000	100.00
28.5	89,800		0.0000	1.0000	100.00
29.5	89,800		0.0000	1.0000	100.00
30.5	89,800		0.0000	1.0000	100.00
31.5	89,800		0.0000	1.0000	100.00
32.5	89,800		0.0000	1.0000	100.00
33.5	89,800		0.0000	1.0000	100.00
34.5	89,800		0.0000	1.0000	100.00
35.5	89,800		0.0000	1.0000	100.00
36.5	89,800		0.0000	1.0000	100.00
37.5	89,800		0.0000	1.0000	100.00
38.5	89,800		0.0000	1.0000	100.00

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

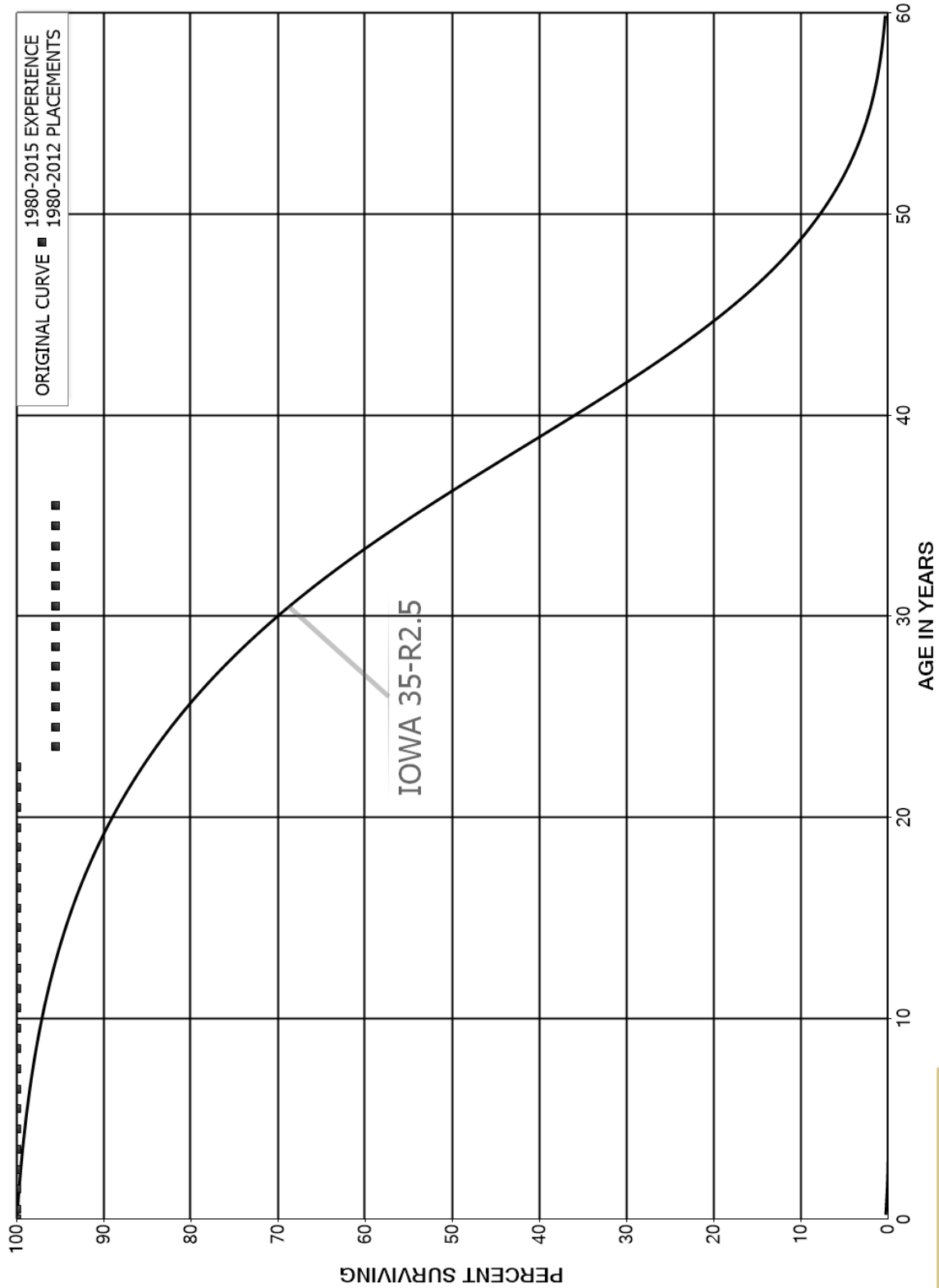
ACCOUNT E01 - ELEVATORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1971-1971			EXPERIENCE BAND 1971-2015		
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	89,800		0.0000	1.0000	100.00
40.5	89,800		0.0000	1.0000	100.00
41.5	89,800		0.0000	1.0000	100.00
42.5	89,800		0.0000	1.0000	100.00
43.5	89,800		0.0000	1.0000	100.00
44.5					100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT E02 - EMS EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

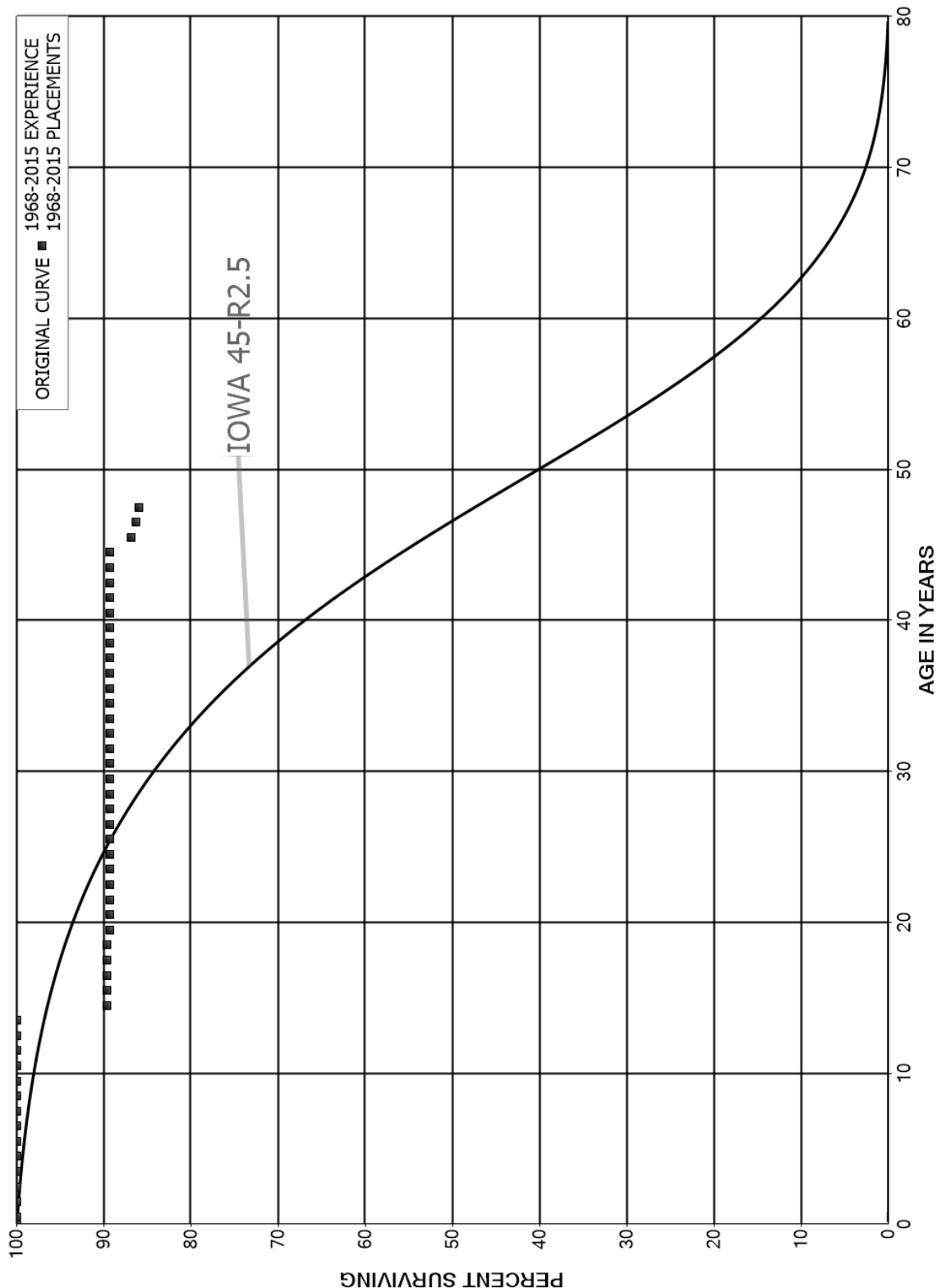
ACCOUNT E02 - EMS EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1980-2012			EXPERIENCE BAND 1980-2015		
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	13,468,716		0.0000	1.0000	100.00
0.5	13,468,716		0.0000	1.0000	100.00
1.5	13,468,716		0.0000	1.0000	100.00
2.5	13,468,716		0.0000	1.0000	100.00
3.5	13,458,915		0.0000	1.0000	100.00
4.5	13,446,886		0.0000	1.0000	100.00
5.5	13,446,886		0.0000	1.0000	100.00
6.5	13,424,526		0.0000	1.0000	100.00
7.5	13,424,526		0.0000	1.0000	100.00
8.5	13,424,526		0.0000	1.0000	100.00
9.5	13,424,526	1,069	0.0001	0.9999	100.00
10.5	13,187,338		0.0000	1.0000	99.99
11.5	13,179,305		0.0000	1.0000	99.99
12.5	13,179,305		0.0000	1.0000	99.99
13.5	13,179,305		0.0000	1.0000	99.99
14.5	12,879,444		0.0000	1.0000	99.99
15.5	12,762,329		0.0000	1.0000	99.99
16.5	12,716,366		0.0000	1.0000	99.99
17.5	12,617,281		0.0000	1.0000	99.99
18.5	12,617,281		0.0000	1.0000	99.99
19.5	12,617,281		0.0000	1.0000	99.99
20.5	12,617,281		0.0000	1.0000	99.99
21.5	12,387,941		0.0000	1.0000	99.99
22.5	12,339,009	550,428	0.0446	0.9554	99.99
23.5	11,775,720		0.0000	1.0000	95.53
24.5	11,775,720		0.0000	1.0000	95.53
25.5	16,461		0.0000	1.0000	95.53
26.5	16,461		0.0000	1.0000	95.53
27.5	16,461		0.0000	1.0000	95.53
28.5	16,461		0.0000	1.0000	95.53
29.5	16,461		0.0000	1.0000	95.53
30.5	16,461		0.0000	1.0000	95.53
31.5	16,461		0.0000	1.0000	95.53
32.5	16,461		0.0000	1.0000	95.53
33.5	16,461		0.0000	1.0000	95.53
34.5	16,461		0.0000	1.0000	95.53
35.5					95.53

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT E03 - ENVIRONMENTAL EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT E03 - ENVIRONMENTAL EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	2,373,439		0.0000	1.0000	100.00
0.5	2,353,273		0.0000	1.0000	100.00
1.5	2,305,102		0.0000	1.0000	100.00
2.5	2,305,102		0.0000	1.0000	100.00
3.5	2,305,102		0.0000	1.0000	100.00
4.5	2,305,102		0.0000	1.0000	100.00
5.5	2,305,102		0.0000	1.0000	100.00
6.5	2,305,102		0.0000	1.0000	100.00
7.5	2,083,160		0.0000	1.0000	100.00
8.5	2,083,160		0.0000	1.0000	100.00
9.5	2,083,160		0.0000	1.0000	100.00
10.5	2,083,160		0.0000	1.0000	100.00
11.5	2,083,160		0.0000	1.0000	100.00
12.5	1,267,384		0.0000	1.0000	100.00
13.5	1,267,384	131,792	0.1040	0.8960	100.00
14.5	1,132,912		0.0000	1.0000	89.60
15.5	869,328		0.0000	1.0000	89.60
16.5	869,328		0.0000	1.0000	89.60
17.5	869,328		0.0000	1.0000	89.60
18.5	740,085	3,002	0.0041	0.9959	89.60
19.5	737,083		0.0000	1.0000	89.24
20.5	707,136		0.0000	1.0000	89.24
21.5	607,037		0.0000	1.0000	89.24
22.5	607,037		0.0000	1.0000	89.24
23.5	607,037		0.0000	1.0000	89.24
24.5	607,037		0.0000	1.0000	89.24
25.5	607,037		0.0000	1.0000	89.24
26.5	607,037		0.0000	1.0000	89.24
27.5	607,037		0.0000	1.0000	89.24
28.5	607,037		0.0000	1.0000	89.24
29.5	607,037		0.0000	1.0000	89.24
30.5	607,037		0.0000	1.0000	89.24
31.5	607,037		0.0000	1.0000	89.24
32.5	607,037		0.0000	1.0000	89.24
33.5	607,037		0.0000	1.0000	89.24
34.5	607,037		0.0000	1.0000	89.24
35.5	607,037		0.0000	1.0000	89.24
36.5	607,037		0.0000	1.0000	89.24
37.5	607,037		0.0000	1.0000	89.24
38.5	607,037		0.0000	1.0000	89.24

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

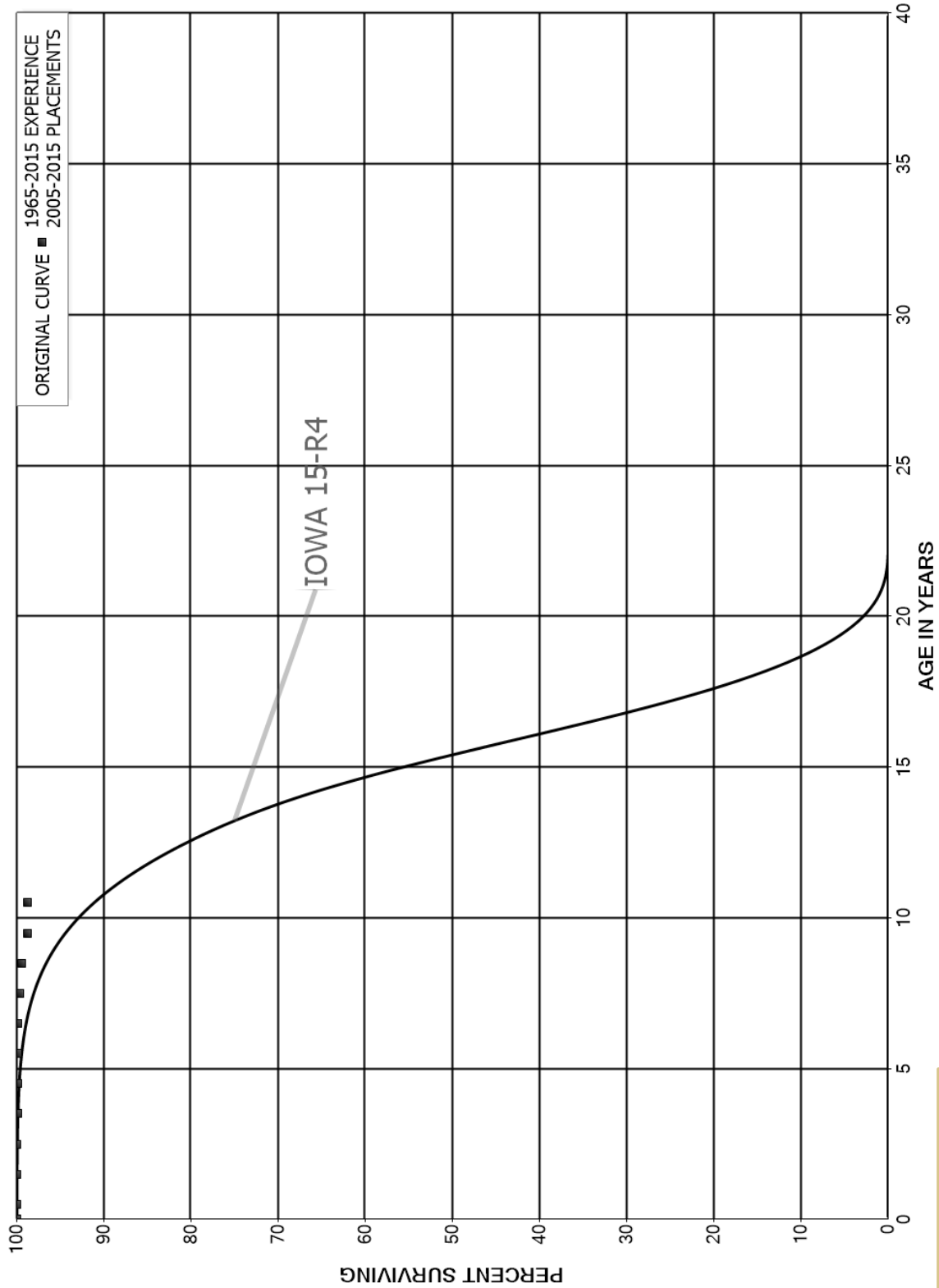
ACCOUNT E03 - ENVIRONMENTAL EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	607,037		0.0000	1.0000	89.24
40.5	607,037		0.0000	1.0000	89.24
41.5	607,037		0.0000	1.0000	89.24
42.5	607,037		0.0000	1.0000	89.24
43.5	607,037		0.0000	1.0000	89.24
44.5	607,037	16,308	0.0269	0.9731	89.24
45.5	590,730	4,000	0.0068	0.9932	86.84
46.5	586,730	2,200	0.0037	0.9963	86.25
47.5					85.93

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT F01 - FALL ARREST EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

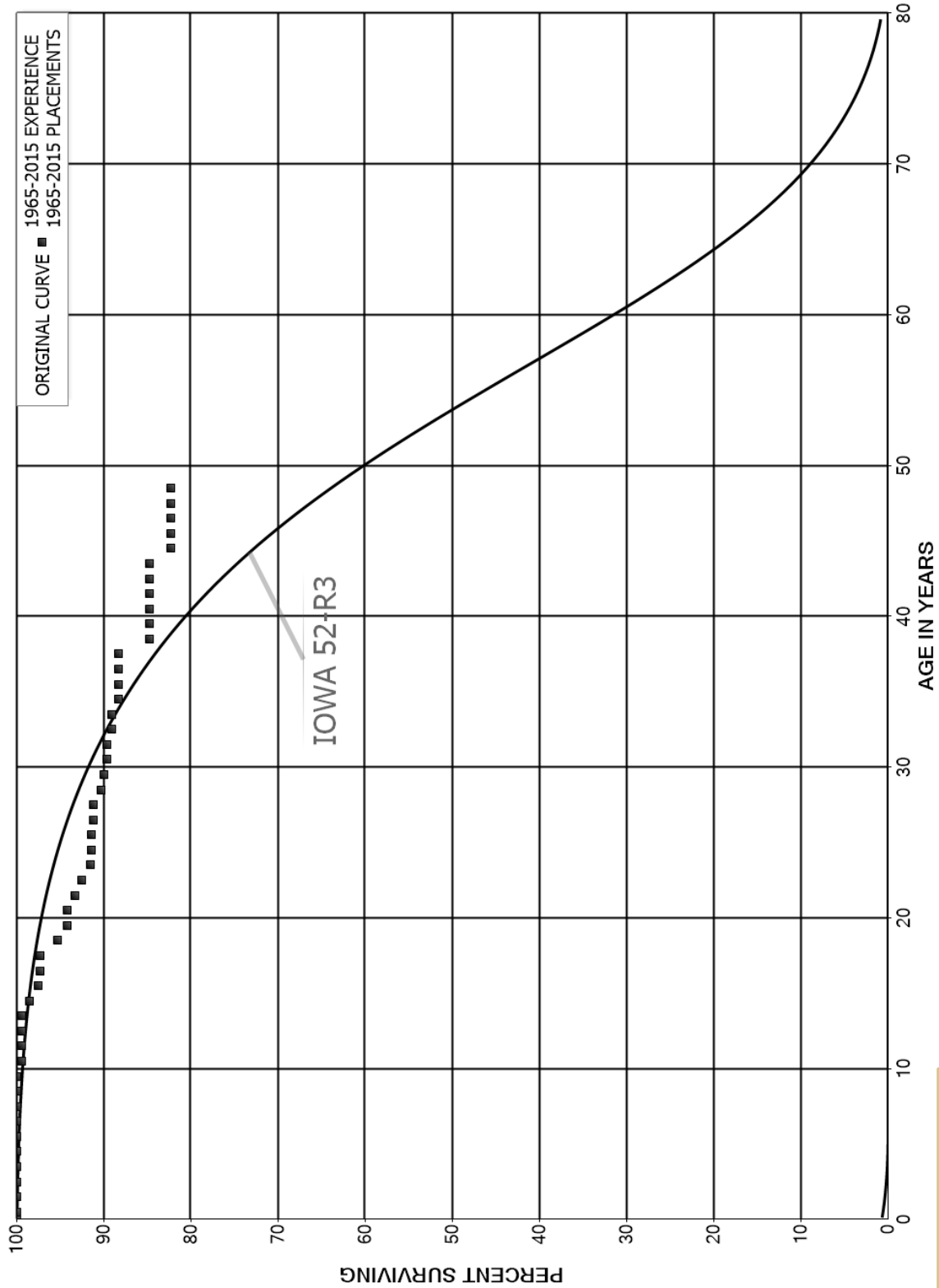
ACCOUNT F01 - FALL ARREST EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 2005-2015			EXPERIENCE BAND 1965-2015		
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	2,517,730		0.0000	1.0000	100.00
0.5	2,337,058		0.0000	1.0000	100.00
1.5	2,000,093		0.0000	1.0000	100.00
2.5	1,753,322	2,237	0.0013	0.9987	100.00
3.5	1,566,843		0.0000	1.0000	99.87
4.5	1,361,713		0.0000	1.0000	99.87
5.5	1,318,612		0.0000	1.0000	99.87
6.5	817,528	1,824	0.0022	0.9978	99.87
7.5	616,425	1,824	0.0030	0.9970	99.65
8.5	418,787	2,824	0.0067	0.9933	99.35
9.5	198,105		0.0000	1.0000	98.68
10.5					98.68

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT F02 - FENCING
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F02 - FENCING

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	7,961,463		0.0000	1.0000	100.00
0.5	7,022,742		0.0000	1.0000	100.00
1.5	6,652,096		0.0000	1.0000	100.00
2.5	6,541,634		0.0000	1.0000	100.00
3.5	6,244,965		0.0000	1.0000	100.00
4.5	5,431,072	1,912	0.0004	0.9996	100.00
5.5	5,429,160	2,071	0.0004	0.9996	99.96
6.5	5,171,316		0.0000	1.0000	99.93
7.5	5,112,854		0.0000	1.0000	99.93
8.5	5,112,854		0.0000	1.0000	99.93
9.5	5,107,400	26,114	0.0051	0.9949	99.93
10.5	4,965,283		0.0000	1.0000	99.42
11.5	4,932,835		0.0000	1.0000	99.42
12.5	3,916,965		0.0000	1.0000	99.42
13.5	3,866,679	36,546	0.0095	0.9905	99.42
14.5	3,666,545	37,467	0.0102	0.9898	98.48
15.5	3,576,253	8,160	0.0023	0.9977	97.47
16.5	3,524,231		0.0000	1.0000	97.25
17.5	3,391,217	70,232	0.0207	0.9793	97.25
18.5	3,263,809	37,468	0.0115	0.9885	95.23
19.5	3,181,332		0.0000	1.0000	94.14
20.5	3,098,467	29,848	0.0096	0.9904	94.14
21.5	2,984,763	23,138	0.0078	0.9922	93.23
22.5	2,917,682	31,996	0.0110	0.9890	92.51
23.5	2,762,852	1,507	0.0005	0.9995	91.50
24.5	2,623,746	995	0.0004	0.9996	91.45
25.5	2,510,515	7,120	0.0028	0.9972	91.41
26.5	2,320,720	311	0.0001	0.9999	91.15
27.5	2,244,565	21,240	0.0095	0.9905	91.14
28.5	2,009,953	7,243	0.0036	0.9964	90.28
29.5	1,976,843	6,454	0.0033	0.9967	89.95
30.5	1,725,332		0.0000	1.0000	89.66
31.5	1,640,234	10,169	0.0062	0.9938	89.66
32.5	1,347,668		0.0000	1.0000	89.10
33.5	1,158,044	10,359	0.0089	0.9911	89.10
34.5	1,062,416		0.0000	1.0000	88.31
35.5	782,663		0.0000	1.0000	88.31
36.5	764,382		0.0000	1.0000	88.31
37.5	618,632	25,113	0.0406	0.9594	88.31
38.5	574,277		0.0000	1.0000	84.72

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

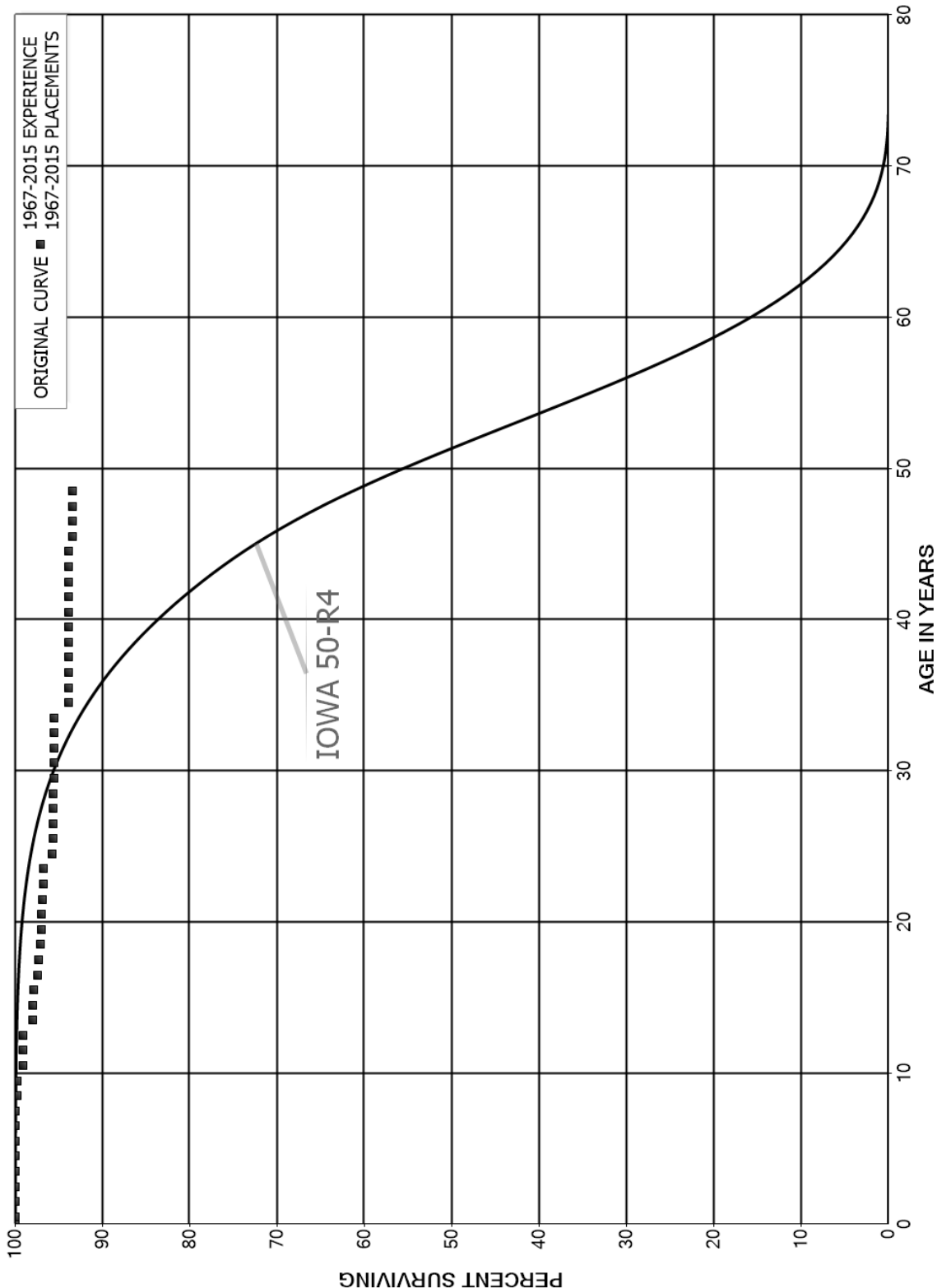
ACCOUNT F02 - FENCING

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	514,981		0.0000	1.0000	84.72
40.5	503,692		0.0000	1.0000	84.72
41.5	451,743		0.0000	1.0000	84.72
42.5	427,075		0.0000	1.0000	84.72
43.5	361,336	10,413	0.0288	0.9712	84.72
44.5	337,611		0.0000	1.0000	82.28
45.5	220,329		0.0000	1.0000	82.28
46.5	154,156		0.0000	1.0000	82.28
47.5	95,308		0.0000	1.0000	82.28
48.5					82.28

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT F03 - FIRE FIGHTING EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F03 - FIRE FIGHTING EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	15,017,245		0.0000	1.0000	100.00
0.5	11,895,429		0.0000	1.0000	100.00
1.5	10,944,270		0.0000	1.0000	100.00
2.5	10,386,193		0.0000	1.0000	100.00
3.5	9,799,981		0.0000	1.0000	100.00
4.5	9,589,416		0.0000	1.0000	100.00
5.5	9,585,000	7,480	0.0008	0.9992	100.00
6.5	7,447,725		0.0000	1.0000	99.92
7.5	7,209,032	12,437	0.0017	0.9983	99.92
8.5	7,196,595		0.0000	1.0000	99.75
9.5	7,196,595	45,673	0.0063	0.9937	99.75
10.5	7,095,680		0.0000	1.0000	99.12
11.5	7,095,680		0.0000	1.0000	99.12
12.5	6,437,931	72,271	0.0112	0.9888	99.12
13.5	5,736,420	2,972	0.0005	0.9995	98.00
14.5	5,517,383	8,917	0.0016	0.9984	97.95
15.5	5,508,466	23,592	0.0043	0.9957	97.79
16.5	5,390,836	2,414	0.0004	0.9996	97.38
17.5	5,319,903	16,189	0.0030	0.9970	97.33
18.5	5,123,461	6,509	0.0013	0.9987	97.04
19.5	5,116,952	203	0.0000	1.0000	96.91
20.5	5,092,231	4,691	0.0009	0.9991	96.91
21.5	5,087,540	3,269	0.0006	0.9994	96.82
22.5	5,084,271	92	0.0000	1.0000	96.76
23.5	4,935,098	54,919	0.0111	0.9889	96.76
24.5	4,880,179	2,170	0.0004	0.9996	95.68
25.5	4,813,682	406	0.0001	0.9999	95.64
26.5	4,050,609		0.0000	1.0000	95.63
27.5	3,833,130		0.0000	1.0000	95.63
28.5	3,736,336	4,710	0.0013	0.9987	95.63
29.5	3,578,679		0.0000	1.0000	95.51
30.5	3,392,687		0.0000	1.0000	95.51
31.5	2,808,935		0.0000	1.0000	95.51
32.5	2,714,260		0.0000	1.0000	95.51
33.5	2,307,362	40,186	0.0174	0.9826	95.51
34.5	2,257,774		0.0000	1.0000	93.84
35.5	1,536,580		0.0000	1.0000	93.84
36.5	1,421,399		0.0000	1.0000	93.84
37.5	1,229,262		0.0000	1.0000	93.84
38.5	1,200,404		0.0000	1.0000	93.84

**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

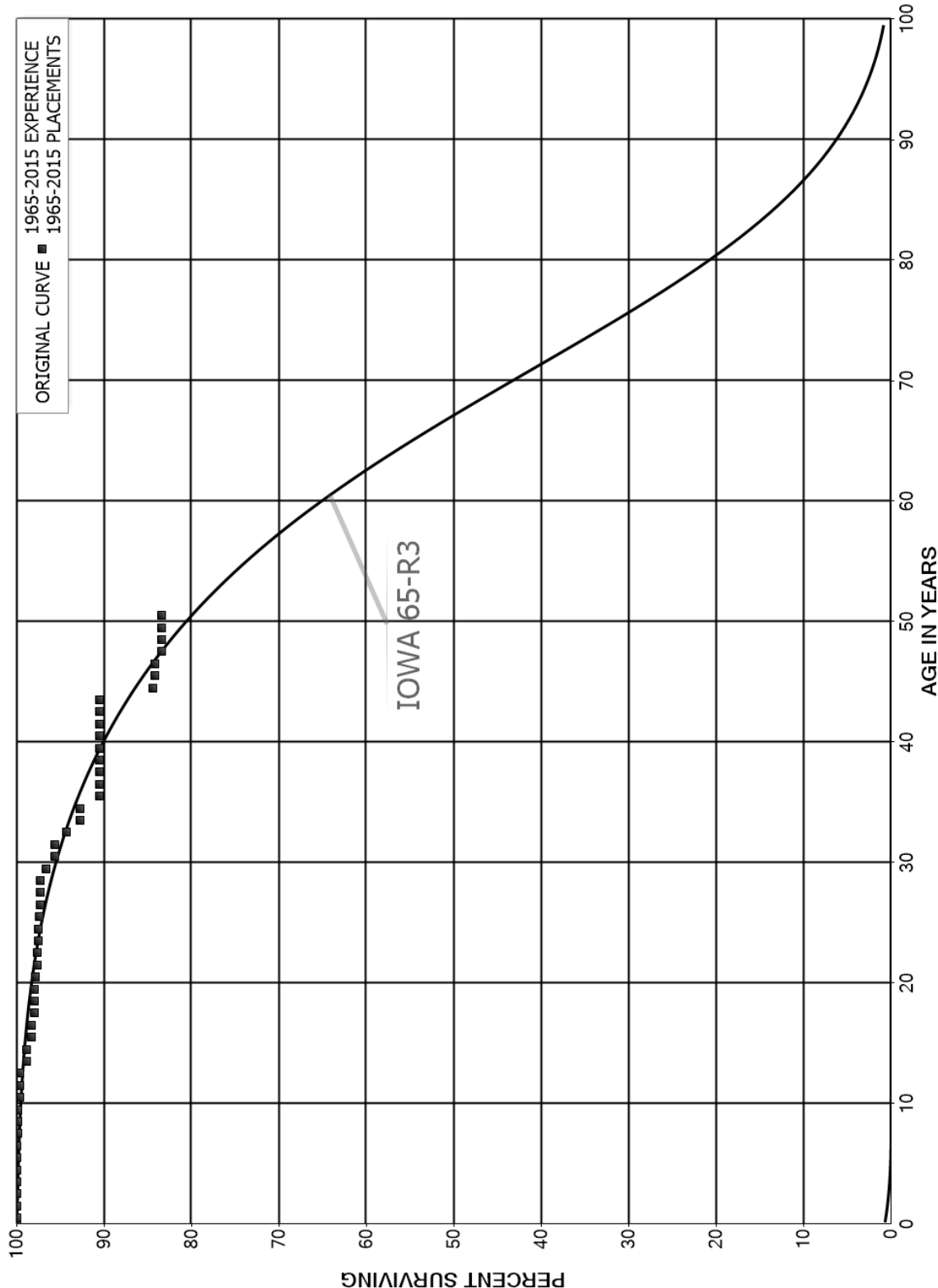
ACCOUNT F03 - FIRE FIGHTING EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	1,142,056		0.0000	1.0000	93.84
40.5	1,132,055		0.0000	1.0000	93.84
41.5	1,132,055		0.0000	1.0000	93.84
42.5	1,110,366		0.0000	1.0000	93.84
43.5	1,110,366		0.0000	1.0000	93.84
44.5	828,411	4,076	0.0049	0.9951	93.84
45.5	815,131		0.0000	1.0000	93.38
46.5	713,899		0.0000	1.0000	93.38
47.5	597,273		0.0000	1.0000	93.38
48.5					93.38

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT F04 - FOOTINGS AND FOUNDATIONS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F04 - FOOTINGS AND FOUNDATIONS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	21,754,410		0.0000	1.0000	100.00
0.5	18,902,176		0.0000	1.0000	100.00
1.5	18,221,916		0.0000	1.0000	100.00
2.5	18,221,916		0.0000	1.0000	100.00
3.5	18,199,235		0.0000	1.0000	100.00
4.5	18,158,647		0.0000	1.0000	100.00
5.5	18,158,647		0.0000	1.0000	100.00
6.5	18,158,647	26,848	0.0015	0.9985	100.00
7.5	18,102,476		0.0000	1.0000	99.85
8.5	18,102,476	291	0.0000	1.0000	99.85
9.5	18,102,185	36,626	0.0020	0.9980	99.85
10.5	18,065,559		0.0000	1.0000	99.65
11.5	18,055,845	100	0.0000	1.0000	99.65
12.5	17,010,811	140,699	0.0083	0.9917	99.65
13.5	14,244,637		0.0000	1.0000	98.82
14.5	14,210,780	81,410	0.0057	0.9943	98.82
15.5	14,098,878		0.0000	1.0000	98.26
16.5	14,033,306	47,046	0.0034	0.9966	98.26
17.5	13,872,129		0.0000	1.0000	97.93
18.5	13,872,129	1,380	0.0001	0.9999	97.93
19.5	13,721,794	11,757	0.0009	0.9991	97.92
20.5	13,242,979	24,525	0.0019	0.9981	97.83
21.5	13,213,028	10,261	0.0008	0.9992	97.65
22.5	13,118,028	4,866	0.0004	0.9996	97.58
23.5	12,486,548	11,384	0.0009	0.9991	97.54
24.5	11,462,453	12,531	0.0011	0.9989	97.45
25.5	10,137,769	4,864	0.0005	0.9995	97.35
26.5	9,792,032	6,265	0.0006	0.9994	97.30
27.5	9,669,954		0.0000	1.0000	97.24
28.5	9,306,278	62,933	0.0068	0.9932	97.24
29.5	9,195,697	87,255	0.0095	0.9905	96.58
30.5	9,082,596	9,145	0.0010	0.9990	95.66
31.5	9,065,633	117,521	0.0130	0.9870	95.57
32.5	8,181,919	137,940	0.0169	0.9831	94.33
33.5	7,572,102		0.0000	1.0000	92.74
34.5	7,272,645	172,290	0.0237	0.9763	92.74
35.5	6,560,246	331	0.0001	0.9999	90.54
36.5	6,225,772	241	0.0000	1.0000	90.54
37.5	5,118,947		0.0000	1.0000	90.53
38.5	3,852,682		0.0000	1.0000	90.53

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

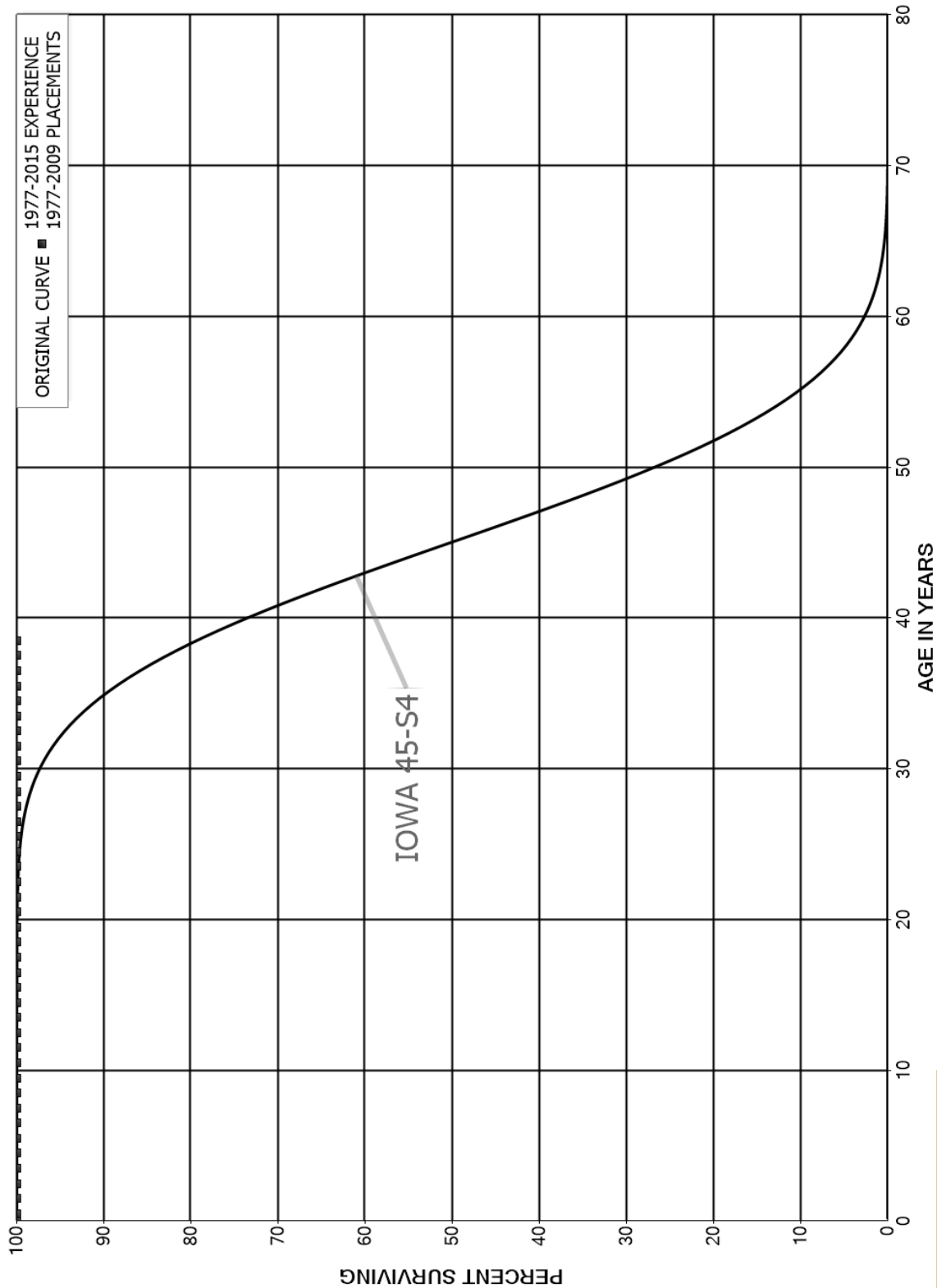
ACCOUNT F04 - FOOTINGS AND FOUNDATIONS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	3,739,616		0.0000	1.0000	90.53
40.5	3,631,175		0.0000	1.0000	90.53
41.5	3,562,891		0.0000	1.0000	90.53
42.5	3,548,308		0.0000	1.0000	90.53
43.5	3,548,308	240,679	0.0678	0.9322	90.53
44.5	3,307,629	9,345	0.0028	0.9972	84.39
45.5	2,808,082		0.0000	1.0000	84.15
46.5	2,808,082	26,026	0.0093	0.9907	84.15
47.5	1,890,964		0.0000	1.0000	83.37
48.5	167,301		0.0000	1.0000	83.37
49.5	167,301		0.0000	1.0000	83.37
50.5					83.37

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT F05 - FREQUENCY CONVERSION
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

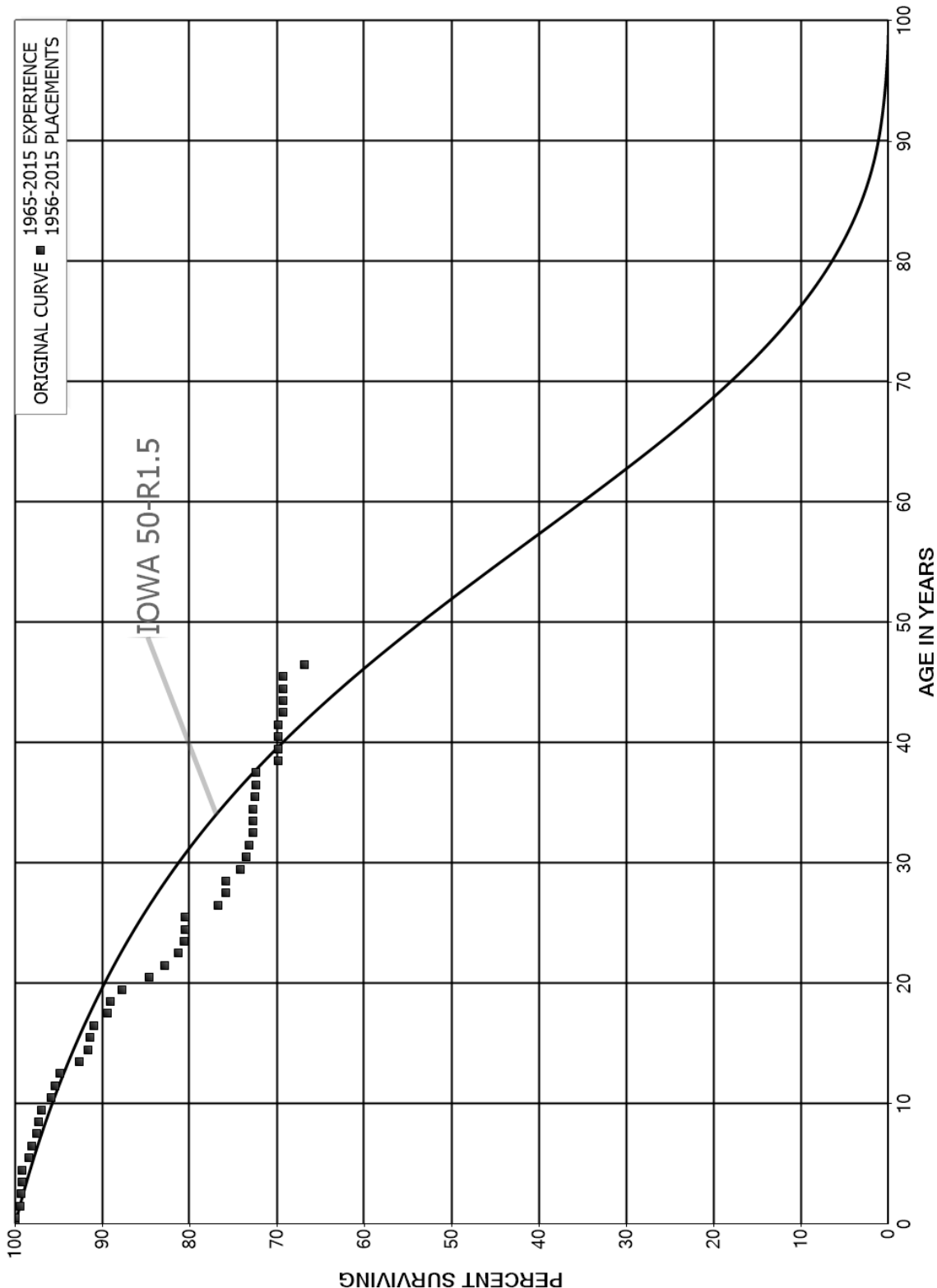
ACCOUNT F05 - FREQUENCY CONVERSION

ORIGINAL LIFE TABLE

PLACEMENT BAND 1977-2009			EXPERIENCE BAND 1977-2015		
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	2,453,577		0.0000	1.0000	100.00
0.5	2,453,577		0.0000	1.0000	100.00
1.5	2,453,577		0.0000	1.0000	100.00
2.5	2,453,577		0.0000	1.0000	100.00
3.5	2,453,577		0.0000	1.0000	100.00
4.5	2,453,577		0.0000	1.0000	100.00
5.5	2,453,577		0.0000	1.0000	100.00
6.5	1,694,970		0.0000	1.0000	100.00
7.5	1,694,970		0.0000	1.0000	100.00
8.5	1,666,961		0.0000	1.0000	100.00
9.5	1,666,961		0.0000	1.0000	100.00
10.5	1,619,259		0.0000	1.0000	100.00
11.5	1,619,259		0.0000	1.0000	100.00
12.5	1,619,259		0.0000	1.0000	100.00
13.5	1,619,259		0.0000	1.0000	100.00
14.5	1,619,259		0.0000	1.0000	100.00
15.5	1,619,259		0.0000	1.0000	100.00
16.5	1,619,259		0.0000	1.0000	100.00
17.5	1,619,259		0.0000	1.0000	100.00
18.5	1,619,259		0.0000	1.0000	100.00
19.5	1,619,259		0.0000	1.0000	100.00
20.5	1,619,259		0.0000	1.0000	100.00
21.5	1,619,259		0.0000	1.0000	100.00
22.5	1,619,259		0.0000	1.0000	100.00
23.5	1,619,259		0.0000	1.0000	100.00
24.5	1,619,259		0.0000	1.0000	100.00
25.5	1,619,259		0.0000	1.0000	100.00
26.5	1,619,259		0.0000	1.0000	100.00
27.5	1,619,259		0.0000	1.0000	100.00
28.5	1,619,259		0.0000	1.0000	100.00
29.5	1,619,259		0.0000	1.0000	100.00
30.5	1,619,259		0.0000	1.0000	100.00
31.5	1,619,259		0.0000	1.0000	100.00
32.5	1,619,259		0.0000	1.0000	100.00
33.5	1,607,215		0.0000	1.0000	100.00
34.5	1,607,215		0.0000	1.0000	100.00
35.5	1,607,215		0.0000	1.0000	100.00
36.5	1,607,215		0.0000	1.0000	100.00
37.5	1,607,215		0.0000	1.0000	100.00
38.5					100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT F06 - FUEL SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F06 - FUEL SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1956-2015			EXPERIENCE BAND 1965-2015		
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	46,436,130		0.0000	1.0000	100.00
0.5	37,579,279	244,046	0.0065	0.9935	100.00
1.5	35,743,238	25,840	0.0007	0.9993	99.35
2.5	33,302,159	30,932	0.0009	0.9991	99.28
3.5	29,303,216	16,568	0.0006	0.9994	99.19
4.5	27,562,051	197,053	0.0071	0.9929	99.13
5.5	24,463,713	82,926	0.0034	0.9966	98.42
6.5	22,071,903	119,683	0.0054	0.9946	98.09
7.5	20,827,974	50,544	0.0024	0.9976	97.56
8.5	20,030,715	86,687	0.0043	0.9957	97.32
9.5	19,398,058	208,578	0.0108	0.9892	96.90
10.5	18,409,008	83,498	0.0045	0.9955	95.86
11.5	18,325,510	113,661	0.0062	0.9938	95.42
12.5	17,941,686	424,782	0.0237	0.9763	94.83
13.5	17,080,407	187,859	0.0110	0.9890	92.58
14.5	15,448,635	22,641	0.0015	0.9985	91.57
15.5	15,181,320	78,987	0.0052	0.9948	91.43
16.5	14,692,087	251,530	0.0171	0.9829	90.96
17.5	14,356,823	47,942	0.0033	0.9967	89.40
18.5	14,219,187	217,848	0.0153	0.9847	89.10
19.5	13,597,437	484,629	0.0356	0.9644	87.74
20.5	12,851,694	267,371	0.0208	0.9792	84.61
21.5	12,213,145	223,790	0.0183	0.9817	82.85
22.5	11,650,530	109,204	0.0094	0.9906	81.33
23.5	10,843,133	4,557	0.0004	0.9996	80.57
24.5	10,391,654		0.0000	1.0000	80.53
25.5	9,618,285	456,005	0.0474	0.9526	80.53
26.5	8,879,299	96,528	0.0109	0.9891	76.72
27.5	8,768,843	2,100	0.0002	0.9998	75.88
28.5	8,306,579	180,152	0.0217	0.9783	75.86
29.5	8,101,753	83,242	0.0103	0.9897	74.22
30.5	7,813,484	27,816	0.0036	0.9964	73.46
31.5	7,785,668	48,759	0.0063	0.9937	73.19
32.5	7,719,714	1,500	0.0002	0.9998	72.74
33.5	7,613,667	3,600	0.0005	0.9995	72.72
34.5	7,114,455	15,000	0.0021	0.9979	72.69
35.5	2,624,538	3,113	0.0012	0.9988	72.53
36.5	2,621,425		0.0000	1.0000	72.45
37.5	2,493,155	89,532	0.0359	0.9641	72.45
38.5	2,387,033	100	0.0000	1.0000	69.85

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

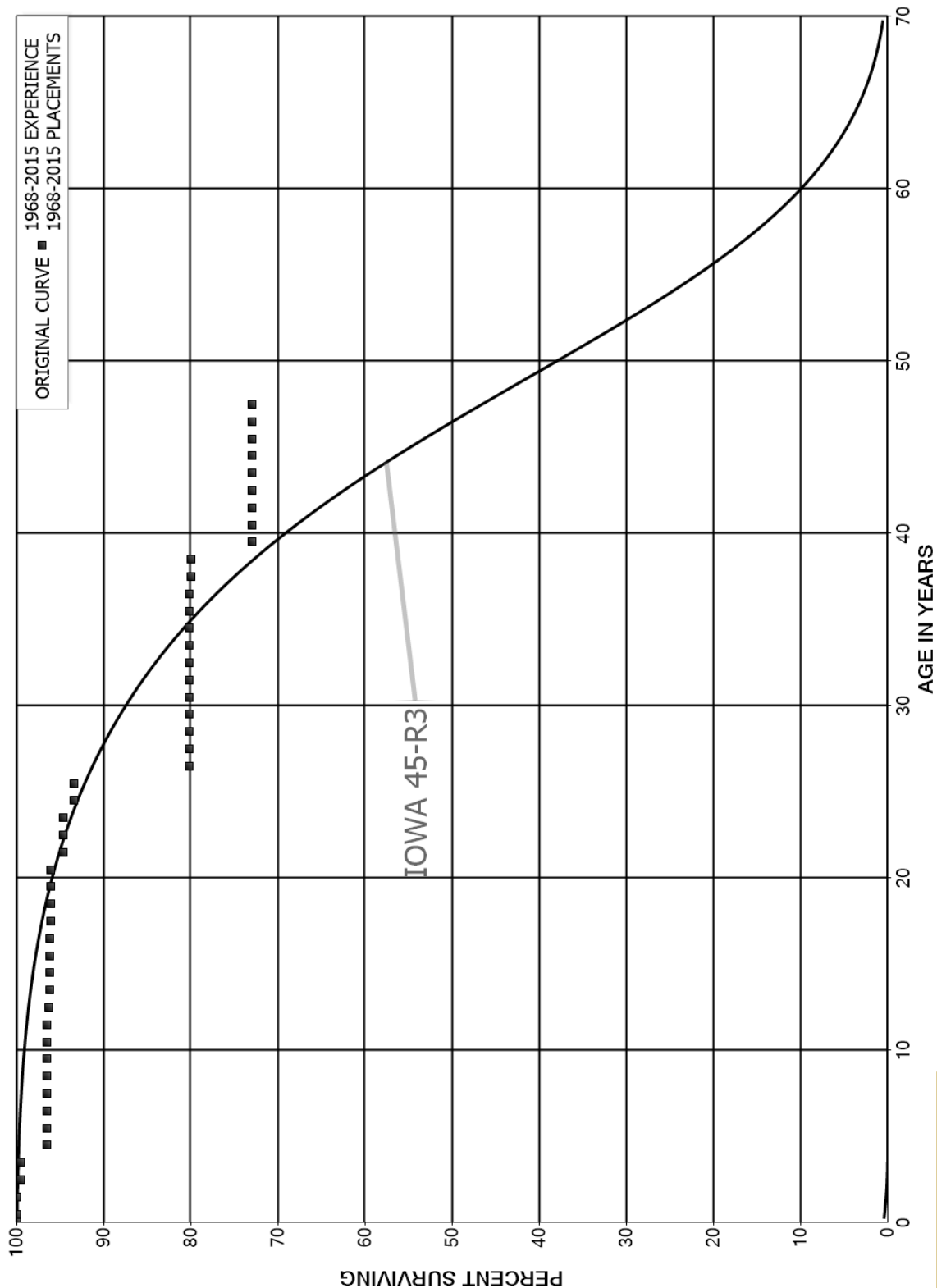
ACCOUNT F06 - FUEL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1956-2015			EXPERIENCE BAND 1965-2015		
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	2,174,446		0.0000	1.0000	69.84
40.5	2,130,030		0.0000	1.0000	69.84
41.5	1,839,417	13,277	0.0072	0.9928	69.84
42.5	1,822,895		0.0000	1.0000	69.34
43.5	1,822,895		0.0000	1.0000	69.34
44.5	1,735,607		0.0000	1.0000	69.34
45.5	1,734,807	63,382	0.0365	0.9635	69.34
46.5	913,885		0.0000	1.0000	66.81
47.5	85,268		0.0000	1.0000	66.81
48.5	85,268		0.0000	1.0000	66.81
49.5	11,786		0.0000	1.0000	66.81
50.5	11,786		0.0000	1.0000	66.81
51.5	11,786		0.0000	1.0000	66.81
52.5	11,786		0.0000	1.0000	66.81
53.5	11,786		0.0000	1.0000	66.81
54.5	11,786		0.0000	1.0000	66.81
55.5	11,786		0.0000	1.0000	66.81
56.5	11,786		0.0000	1.0000	66.81
57.5	11,786		0.0000	1.0000	66.81
58.5	11,786		0.0000	1.0000	66.81
59.5					66.81

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G01 - GAS TURBINE SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G01 - GAS TURBINE SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	74,754,391		0.0000	1.0000	100.00
0.5	43,459,283		0.0000	1.0000	100.00
1.5	41,367,811	185,109	0.0045	0.9955	100.00
2.5	33,371,915		0.0000	1.0000	99.55
3.5	32,995,571	1,011,679	0.0307	0.9693	99.55
4.5	31,761,027		0.0000	1.0000	96.50
5.5	30,492,331		0.0000	1.0000	96.50
6.5	30,362,697		0.0000	1.0000	96.50
7.5	30,362,697		0.0000	1.0000	96.50
8.5	30,331,597		0.0000	1.0000	96.50
9.5	30,331,597		0.0000	1.0000	96.50
10.5	30,331,597		0.0000	1.0000	96.50
11.5	30,331,597	57,145	0.0019	0.9981	96.50
12.5	30,274,452	48,384	0.0016	0.9984	96.32
13.5	30,226,068		0.0000	1.0000	96.16
14.5	30,164,230		0.0000	1.0000	96.16
15.5	30,164,230	2,141	0.0001	0.9999	96.16
16.5	30,153,001	18,390	0.0006	0.9994	96.16
17.5	30,134,611		0.0000	1.0000	96.10
18.5	29,586,371		0.0000	1.0000	96.10
19.5	29,586,371		0.0000	1.0000	96.10
20.5	29,586,371	459,085	0.0155	0.9845	96.10
21.5	29,127,286		0.0000	1.0000	94.61
22.5	29,127,286		0.0000	1.0000	94.61
23.5	16,056,519	203,409	0.0127	0.9873	94.61
24.5	15,853,110		0.0000	1.0000	93.41
25.5	15,853,110	2,243,280	0.1415	0.8585	93.41
26.5	13,526,225		0.0000	1.0000	80.19
27.5	13,526,225		0.0000	1.0000	80.19
28.5	13,501,580		0.0000	1.0000	80.19
29.5	13,501,580		0.0000	1.0000	80.19
30.5	13,501,580		0.0000	1.0000	80.19
31.5	13,501,580		0.0000	1.0000	80.19
32.5	13,501,580		0.0000	1.0000	80.19
33.5	13,501,580		0.0000	1.0000	80.19
34.5	13,290,970		0.0000	1.0000	80.19
35.5	13,290,970		0.0000	1.0000	80.19
36.5	13,290,970	30,595	0.0023	0.9977	80.19
37.5	13,260,375		0.0000	1.0000	80.01
38.5	12,876,356	1,144,769	0.0889	0.9111	80.01

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

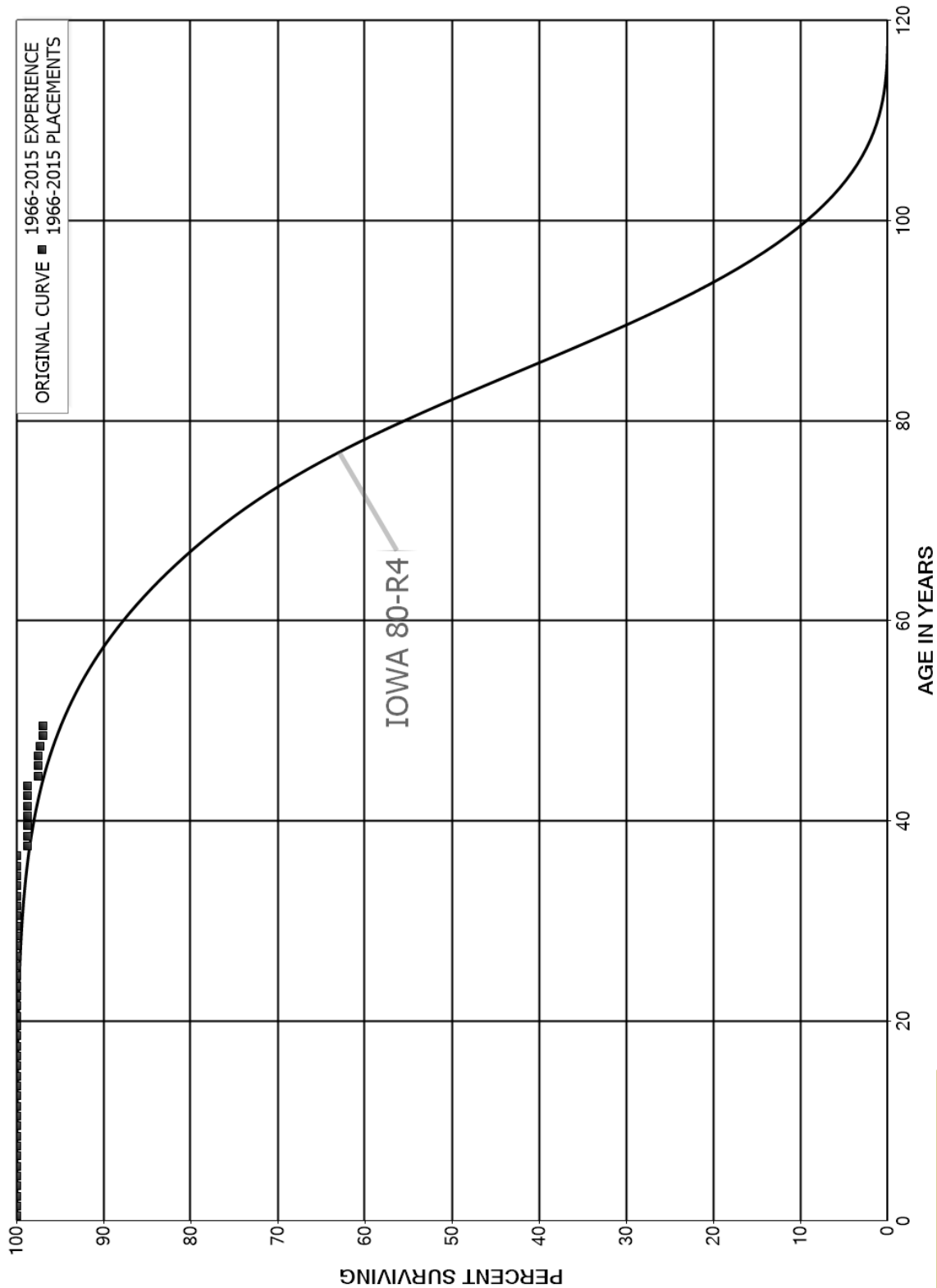
ACCOUNT G01 - GAS TURBINE SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	11,731,587		0.0000	1.0000	72.89
40.5	5,699,814		0.0000	1.0000	72.89
41.5	995,759		0.0000	1.0000	72.89
42.5	995,759		0.0000	1.0000	72.89
43.5	995,759		0.0000	1.0000	72.89
44.5	995,759		0.0000	1.0000	72.89
45.5	995,759		0.0000	1.0000	72.89
46.5	995,759		0.0000	1.0000	72.89
47.5					72.89

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G02 - GATES
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G02 - GATES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	19,165,290		0.0000	1.0000	100.00
0.5	17,747,770		0.0000	1.0000	100.00
1.5	17,426,122		0.0000	1.0000	100.00
2.5	15,500,388		0.0000	1.0000	100.00
3.5	15,468,388		0.0000	1.0000	100.00
4.5	15,468,388		0.0000	1.0000	100.00
5.5	15,468,388		0.0000	1.0000	100.00
6.5	15,468,388		0.0000	1.0000	100.00
7.5	15,468,388		0.0000	1.0000	100.00
8.5	15,468,388		0.0000	1.0000	100.00
9.5	15,468,388		0.0000	1.0000	100.00
10.5	15,468,388		0.0000	1.0000	100.00
11.5	15,029,276		0.0000	1.0000	100.00
12.5	15,029,276	9,500	0.0006	0.9994	100.00
13.5	15,019,776		0.0000	1.0000	99.94
14.5	15,019,776		0.0000	1.0000	99.94
15.5	15,019,776		0.0000	1.0000	99.94
16.5	15,019,776		0.0000	1.0000	99.94
17.5	15,019,776		0.0000	1.0000	99.94
18.5	15,019,776		0.0000	1.0000	99.94
19.5	15,019,776		0.0000	1.0000	99.94
20.5	15,019,776		0.0000	1.0000	99.94
21.5	15,019,776		0.0000	1.0000	99.94
22.5	15,019,776		0.0000	1.0000	99.94
23.5	15,019,776		0.0000	1.0000	99.94
24.5	15,019,776		0.0000	1.0000	99.94
25.5	15,019,776		0.0000	1.0000	99.94
26.5	14,839,446		0.0000	1.0000	99.94
27.5	13,824,563		0.0000	1.0000	99.94
28.5	13,824,563		0.0000	1.0000	99.94
29.5	13,685,101		0.0000	1.0000	99.94
30.5	13,499,888	170	0.0000	1.0000	99.94
31.5	12,379,584		0.0000	1.0000	99.94
32.5	10,403,078		0.0000	1.0000	99.94
33.5	6,279,829		0.0000	1.0000	99.94
34.5	6,279,829		0.0000	1.0000	99.94
35.5	5,228,337		0.0000	1.0000	99.94
36.5	3,809,007	46,760	0.0123	0.9877	99.94
37.5	3,494,554		0.0000	1.0000	98.71
38.5	3,494,554		0.0000	1.0000	98.71

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

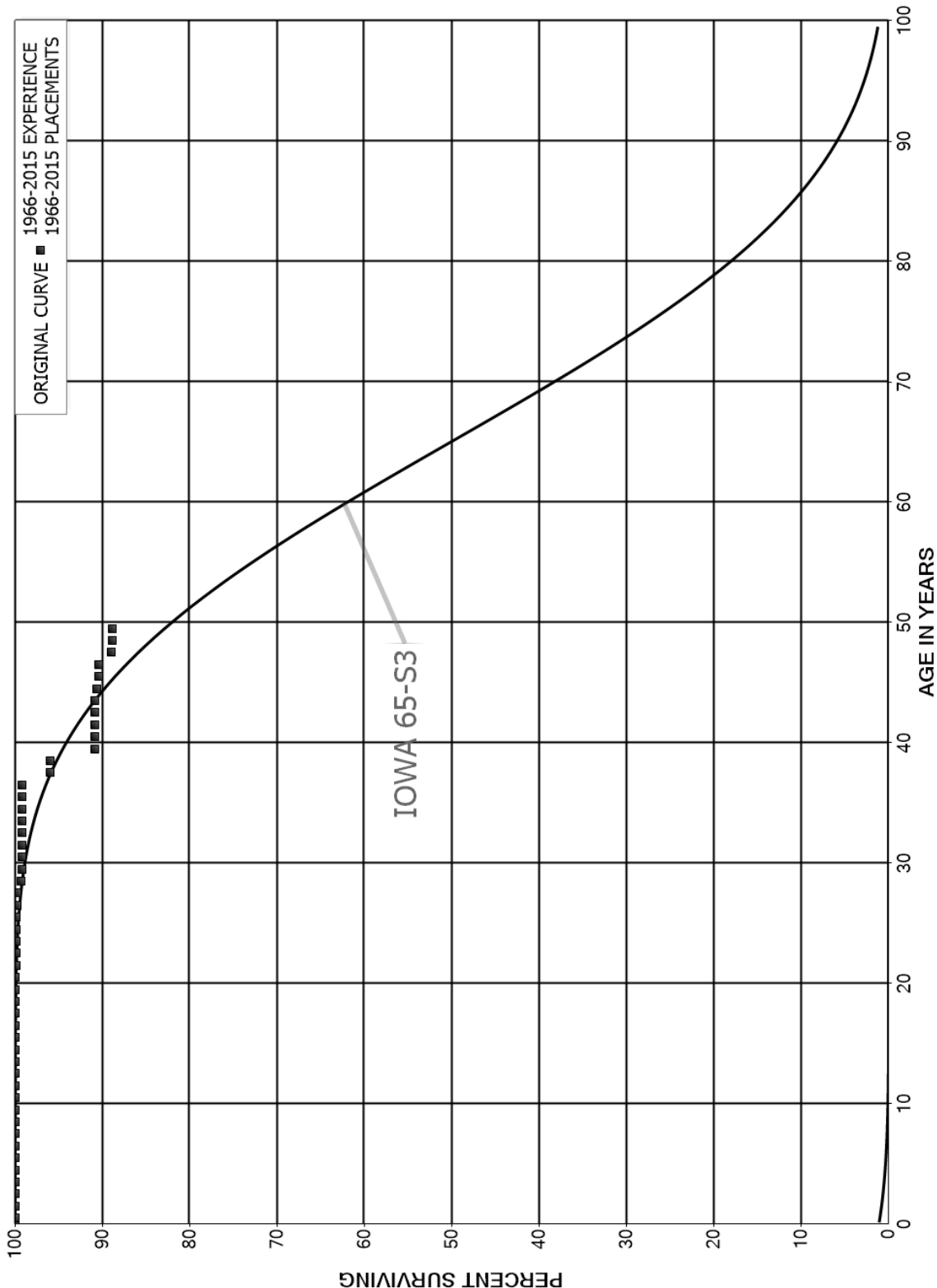
ACCOUNT G02 - GATES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	3,494,554		0.0000	1.0000	98.71
40.5	3,494,554		0.0000	1.0000	98.71
41.5	3,494,554		0.0000	1.0000	98.71
42.5	3,494,554		0.0000	1.0000	98.71
43.5	3,494,554	42,000	0.0120	0.9880	98.71
44.5	3,452,554	425	0.0001	0.9999	97.52
45.5	3,055,727	1,218	0.0004	0.9996	97.51
46.5	3,054,510	5,408	0.0018	0.9982	97.47
47.5	3,049,102	10,366	0.0034	0.9966	97.30
48.5	1,987,063	910	0.0005	0.9995	96.97
49.5					96.92

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G03 - GENERATORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G03 - GENERATORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	111,858,702		0.0000	1.0000	100.00
0.5	79,442,981		0.0000	1.0000	100.00
1.5	72,374,115		0.0000	1.0000	100.00
2.5	69,234,533		0.0000	1.0000	100.00
3.5	67,267,295	4,146	0.0001	0.9999	100.00
4.5	66,812,388	0	0.0000	1.0000	99.99
5.5	64,860,626		0.0000	1.0000	99.99
6.5	64,625,861		0.0000	1.0000	99.99
7.5	62,337,507		0.0000	1.0000	99.99
8.5	62,309,499	844	0.0000	1.0000	99.99
9.5	62,308,654		0.0000	1.0000	99.99
10.5	62,308,654		0.0000	1.0000	99.99
11.5	62,308,654		0.0000	1.0000	99.99
12.5	52,323,128		0.0000	1.0000	99.99
13.5	52,286,260		0.0000	1.0000	99.99
14.5	52,189,246	1,025	0.0000	1.0000	99.99
15.5	52,188,221		0.0000	1.0000	99.99
16.5	52,022,321		0.0000	1.0000	99.99
17.5	52,022,321		0.0000	1.0000	99.99
18.5	52,022,321	16,211	0.0003	0.9997	99.99
19.5	52,006,109		0.0000	1.0000	99.96
20.5	52,006,109	64,978	0.0012	0.9988	99.96
21.5	51,941,131	7,928	0.0002	0.9998	99.83
22.5	51,933,202		0.0000	1.0000	99.82
23.5	46,839,338		0.0000	1.0000	99.82
24.5	46,839,338		0.0000	1.0000	99.82
25.5	46,666,228	52,026	0.0011	0.9989	99.82
26.5	45,412,789		0.0000	1.0000	99.71
27.5	45,335,797	214,354	0.0047	0.9953	99.71
28.5	45,120,595	43,627	0.0010	0.9990	99.24
29.5	45,076,969	1,839	0.0000	1.0000	99.14
30.5	35,850,861		0.0000	1.0000	99.14
31.5	35,850,861		0.0000	1.0000	99.14
32.5	35,673,506		0.0000	1.0000	99.14
33.5	30,001,748	2,961	0.0001	0.9999	99.14
34.5	29,998,786		0.0000	1.0000	99.13
35.5	17,961,479		0.0000	1.0000	99.13
36.5	17,175,463	554,625	0.0323	0.9677	99.13
37.5	16,349,838		0.0000	1.0000	95.93
38.5	13,164,067	698,546	0.0531	0.9469	95.93

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

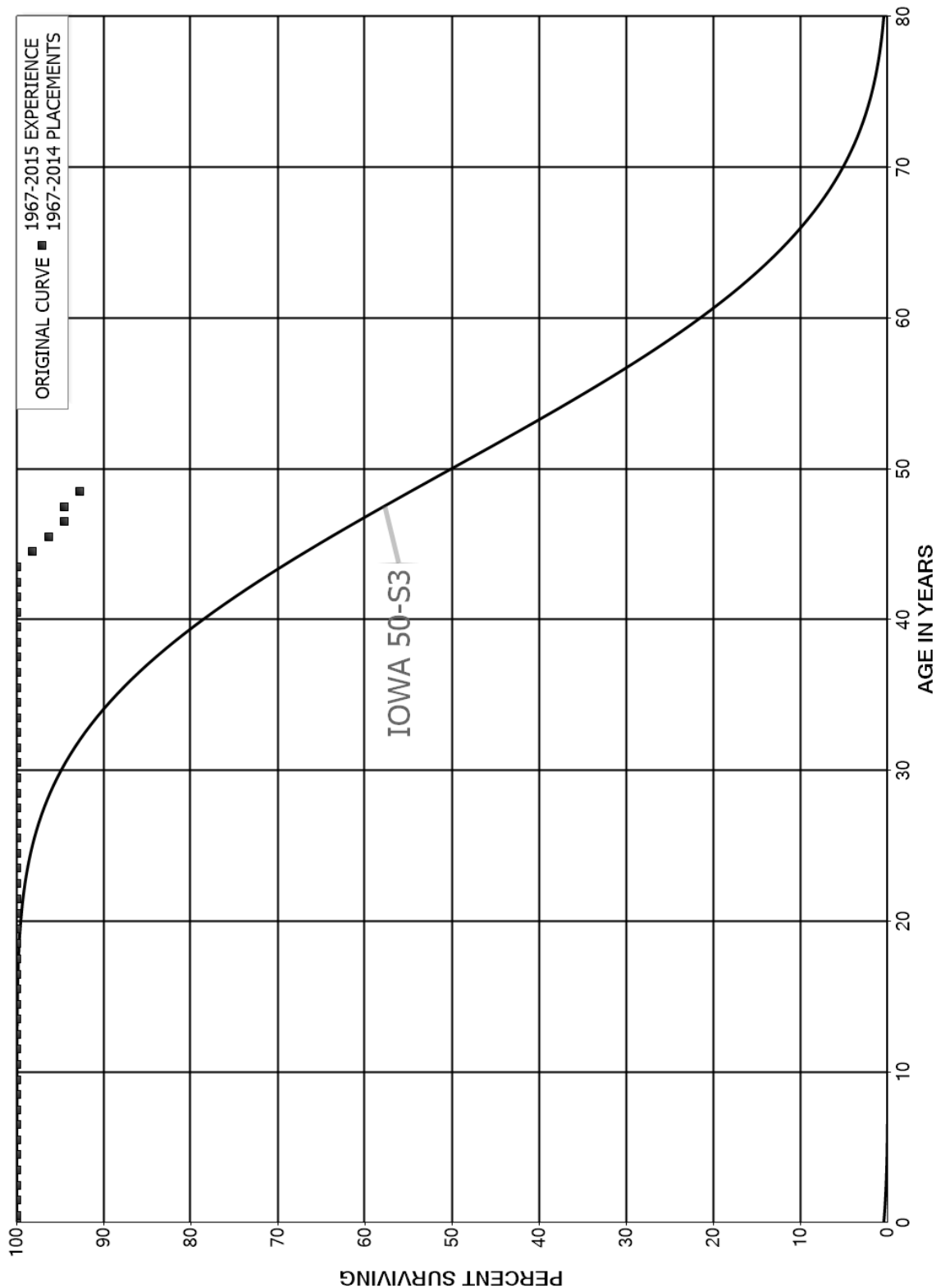
ACCOUNT G03 - GENERATORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	12,465,521		0.0000	1.0000	90.84
40.5	12,465,521		0.0000	1.0000	90.84
41.5	12,465,521		0.0000	1.0000	90.84
42.5	12,465,521		0.0000	1.0000	90.84
43.5	12,465,521	32,540	0.0026	0.9974	90.84
44.5	10,845,051	20,889	0.0019	0.9981	90.60
45.5	7,376,884		0.0000	1.0000	90.42
46.5	7,376,884	124,689	0.0169	0.9831	90.42
47.5	1,723,534	734	0.0004	0.9996	88.90
48.5	18,140		0.0000	1.0000	88.86
49.5					88.86

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G04 - GENERATORS - WINDINGS
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G04 - GENERATORS - WINDINGS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2014			EXPERIENCE BAND 1967-2015		
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	25,122,055		0.0000	1.0000	100.00
0.5	25,122,055		0.0000	1.0000	100.00
1.5	22,989,529		0.0000	1.0000	100.00
2.5	15,242,801		0.0000	1.0000	100.00
3.5	11,360,350		0.0000	1.0000	100.00
4.5	11,360,350		0.0000	1.0000	100.00
5.5	6,924,795		0.0000	1.0000	100.00
6.5	6,924,795		0.0000	1.0000	100.00
7.5	6,924,795		0.0000	1.0000	100.00
8.5	6,924,795		0.0000	1.0000	100.00
9.5	6,924,795		0.0000	1.0000	100.00
10.5	6,924,795		0.0000	1.0000	100.00
11.5	6,924,795		0.0000	1.0000	100.00
12.5	6,924,795		0.0000	1.0000	100.00
13.5	6,924,795		0.0000	1.0000	100.00
14.5	6,924,795		0.0000	1.0000	100.00
15.5	6,924,795		0.0000	1.0000	100.00
16.5	6,924,795		0.0000	1.0000	100.00
17.5	6,924,795		0.0000	1.0000	100.00
18.5	6,924,795		0.0000	1.0000	100.00
19.5	6,924,795		0.0000	1.0000	100.00
20.5	6,924,795		0.0000	1.0000	100.00
21.5	6,924,795		0.0000	1.0000	100.00
22.5	6,924,795		0.0000	1.0000	100.00
23.5	6,924,795		0.0000	1.0000	100.00
24.5	6,924,795		0.0000	1.0000	100.00
25.5	6,924,795		0.0000	1.0000	100.00
26.5	6,924,795		0.0000	1.0000	100.00
27.5	6,924,795		0.0000	1.0000	100.00
28.5	6,924,795		0.0000	1.0000	100.00
29.5	6,924,795		0.0000	1.0000	100.00
30.5	6,924,795		0.0000	1.0000	100.00
31.5	6,924,795		0.0000	1.0000	100.00
32.5	6,924,795		0.0000	1.0000	100.00
33.5	6,924,795		0.0000	1.0000	100.00
34.5	6,924,795		0.0000	1.0000	100.00
35.5	6,924,795		0.0000	1.0000	100.00
36.5	6,924,795		0.0000	1.0000	100.00
37.5	6,924,795		0.0000	1.0000	100.00
38.5	6,924,795		0.0000	1.0000	100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

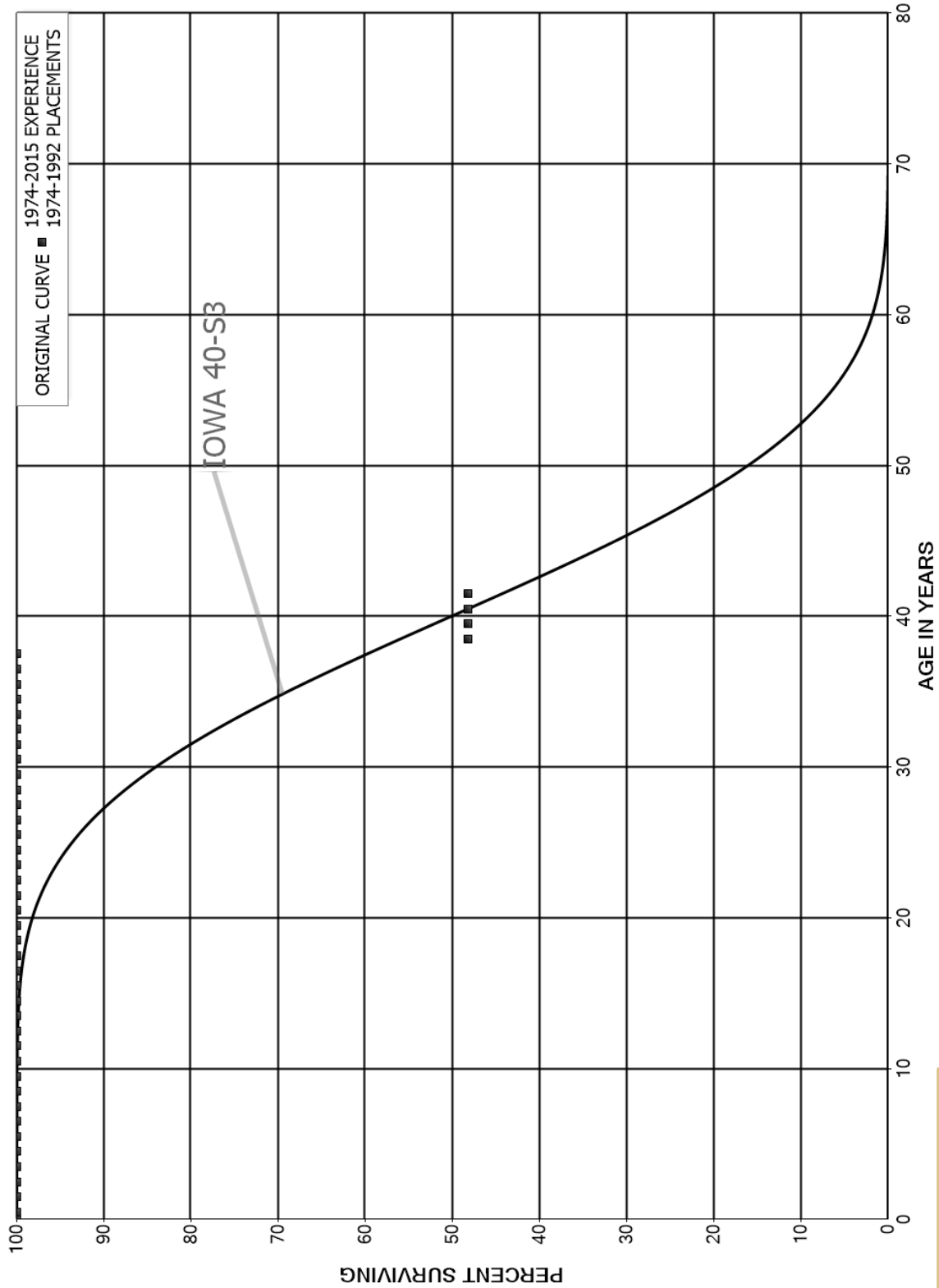
ACCOUNT G04 - GENERATORS - WINDINGS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2014			EXPERIENCE BAND 1967-2015		
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	6,924,795		0.0000	1.0000	100.00
40.5	6,924,795		0.0000	1.0000	100.00
41.5	6,924,795		0.0000	1.0000	100.00
42.5	6,924,795		0.0000	1.0000	100.00
43.5	6,924,795	126,824	0.0183	0.9817	100.00
44.5	6,797,971	126,824	0.0187	0.9813	98.17
45.5	6,671,146	126,824	0.0190	0.9810	96.34
46.5	6,544,322		0.0000	1.0000	94.51
47.5	6,544,322	126,824	0.0194	0.9806	94.51
48.5					92.67

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G05 - GLYCOL SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G05 - GLYCOL SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1974-1992			EXPERIENCE BAND 1974-2015		
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	620,704		0.0000	1.0000	100.00
0.5	620,704		0.0000	1.0000	100.00
1.5	620,704		0.0000	1.0000	100.00
2.5	620,704		0.0000	1.0000	100.00
3.5	620,704		0.0000	1.0000	100.00
4.5	620,704		0.0000	1.0000	100.00
5.5	620,704		0.0000	1.0000	100.00
6.5	620,704		0.0000	1.0000	100.00
7.5	620,704		0.0000	1.0000	100.00
8.5	620,704		0.0000	1.0000	100.00
9.5	620,704		0.0000	1.0000	100.00
10.5	620,704		0.0000	1.0000	100.00
11.5	620,704		0.0000	1.0000	100.00
12.5	620,704		0.0000	1.0000	100.00
13.5	620,704		0.0000	1.0000	100.00
14.5	620,704		0.0000	1.0000	100.00
15.5	620,704		0.0000	1.0000	100.00
16.5	620,704		0.0000	1.0000	100.00
17.5	620,704		0.0000	1.0000	100.00
18.5	620,704		0.0000	1.0000	100.00
19.5	620,704		0.0000	1.0000	100.00
20.5	620,704		0.0000	1.0000	100.00
21.5	620,704		0.0000	1.0000	100.00
22.5	620,704		0.0000	1.0000	100.00
23.5	183,019		0.0000	1.0000	100.00
24.5	183,019		0.0000	1.0000	100.00
25.5	183,019		0.0000	1.0000	100.00
26.5	173,749		0.0000	1.0000	100.00
27.5	173,749		0.0000	1.0000	100.00
28.5	173,749		0.0000	1.0000	100.00
29.5	173,749		0.0000	1.0000	100.00
30.5	173,749		0.0000	1.0000	100.00
31.5	173,749		0.0000	1.0000	100.00
32.5	173,749		0.0000	1.0000	100.00
33.5	173,749		0.0000	1.0000	100.00
34.5	173,749		0.0000	1.0000	100.00
35.5	173,749		0.0000	1.0000	100.00
36.5	173,749		0.0000	1.0000	100.00
37.5	173,749	90,050	0.5183	0.4817	100.00
38.5	83,699		0.0000	1.0000	48.17

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

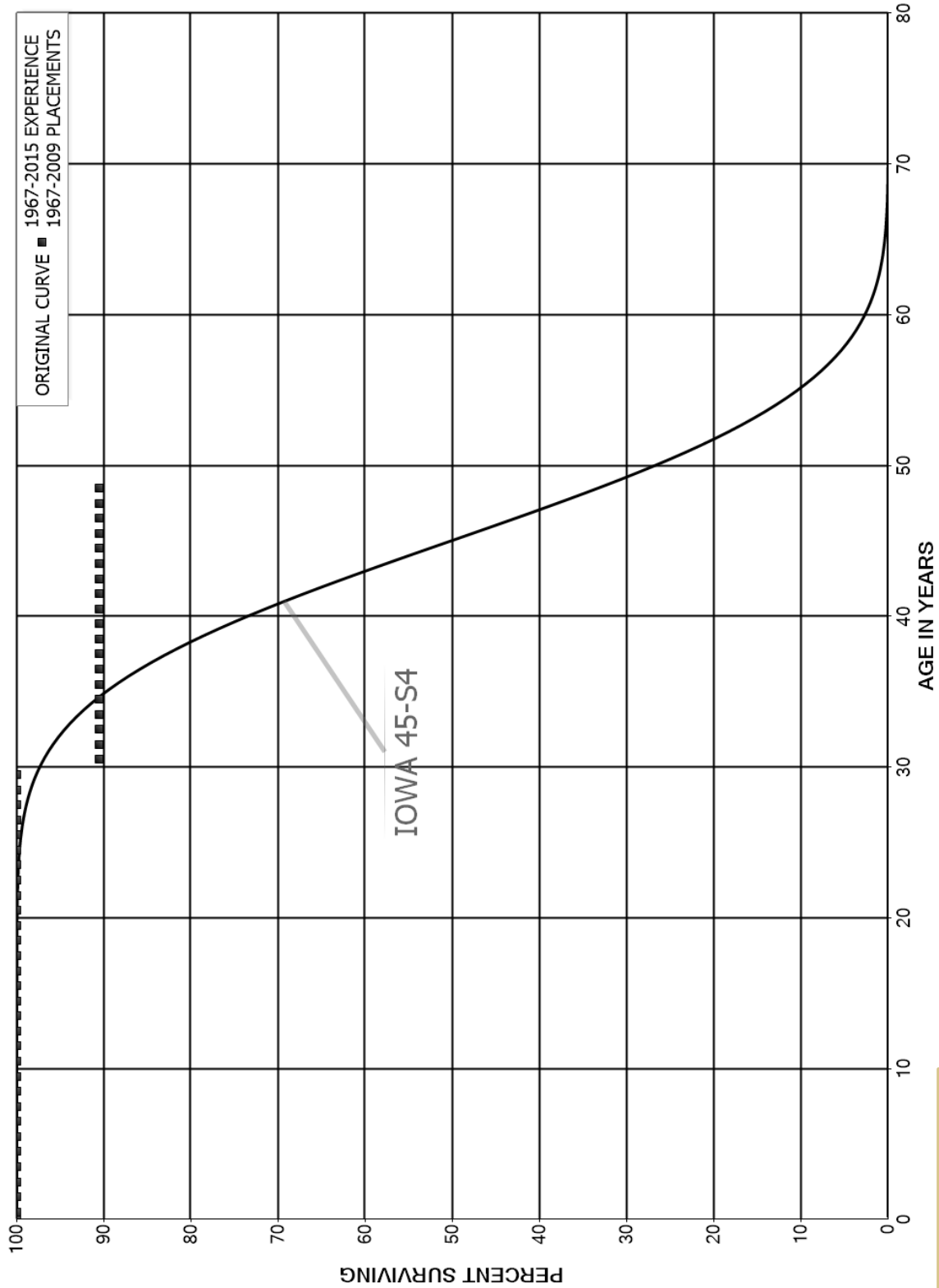
ACCOUNT G05 - GLYCOL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1974-1992			EXPERIENCE BAND 1974-2015		
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	83,699		0.0000	1.0000	48.17
40.5	83,699		0.0000	1.0000	48.17
41.5					48.17

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G06 - GOVENORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G06 - GOVENORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2009			EXPERIENCE BAND 1967-2015		
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	10,471,294		0.0000	1.0000	100.00
0.5	10,471,294		0.0000	1.0000	100.00
1.5	10,471,294		0.0000	1.0000	100.00
2.5	10,471,294		0.0000	1.0000	100.00
3.5	10,471,294		0.0000	1.0000	100.00
4.5	10,471,294		0.0000	1.0000	100.00
5.5	10,471,294		0.0000	1.0000	100.00
6.5	9,176,079		0.0000	1.0000	100.00
7.5	9,176,079		0.0000	1.0000	100.00
8.5	9,176,079		0.0000	1.0000	100.00
9.5	8,263,566		0.0000	1.0000	100.00
10.5	8,263,566		0.0000	1.0000	100.00
11.5	8,263,566		0.0000	1.0000	100.00
12.5	6,637,157		0.0000	1.0000	100.00
13.5	6,042,522		0.0000	1.0000	100.00
14.5	6,042,522		0.0000	1.0000	100.00
15.5	6,042,522		0.0000	1.0000	100.00
16.5	5,119,741		0.0000	1.0000	100.00
17.5	5,119,741		0.0000	1.0000	100.00
18.5	5,119,741		0.0000	1.0000	100.00
19.5	5,108,302		0.0000	1.0000	100.00
20.5	5,108,302		0.0000	1.0000	100.00
21.5	5,108,302		0.0000	1.0000	100.00
22.5	5,108,302		0.0000	1.0000	100.00
23.5	5,108,302		0.0000	1.0000	100.00
24.5	5,108,302		0.0000	1.0000	100.00
25.5	5,108,302		0.0000	1.0000	100.00
26.5	5,108,302		0.0000	1.0000	100.00
27.5	5,108,302		0.0000	1.0000	100.00
28.5	5,108,302		0.0000	1.0000	100.00
29.5	5,108,302	486,252	0.0952	0.9048	100.00
30.5	3,199,933		0.0000	1.0000	90.48
31.5	3,199,933		0.0000	1.0000	90.48
32.5	3,199,933		0.0000	1.0000	90.48
33.5	894,084		0.0000	1.0000	90.48
34.5	894,084		0.0000	1.0000	90.48
35.5	424,738		0.0000	1.0000	90.48
36.5	424,738		0.0000	1.0000	90.48
37.5	424,738		0.0000	1.0000	90.48
38.5	281,513		0.0000	1.0000	90.48

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

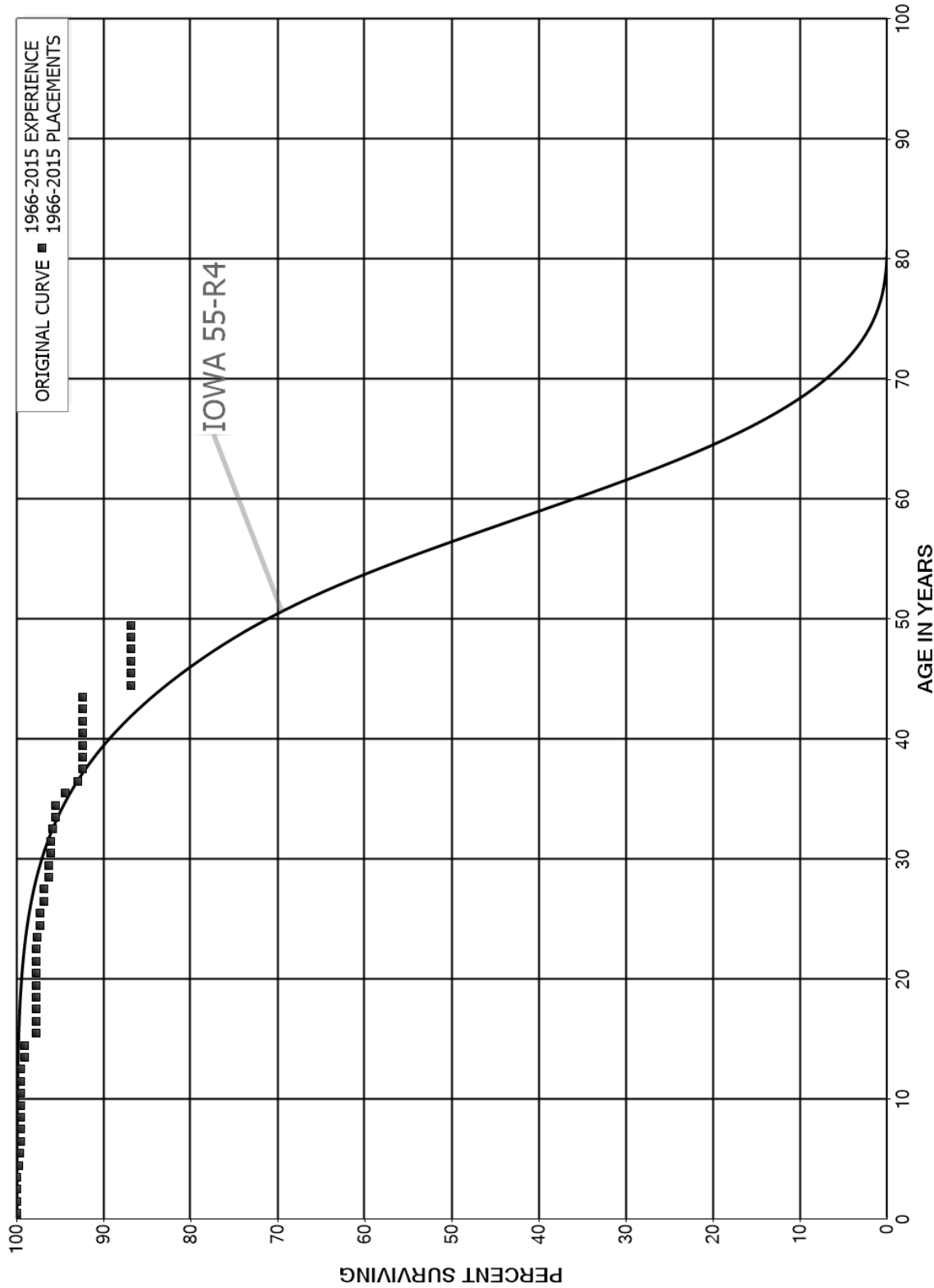
ACCOUNT G06 - GOVERNORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2009			EXPERIENCE BAND 1967-2015		
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	281,513		0.0000	1.0000	90.48
40.5	281,513		0.0000	1.0000	90.48
41.5	281,513		0.0000	1.0000	90.48
42.5	281,513		0.0000	1.0000	90.48
43.5	281,513		0.0000	1.0000	90.48
44.5	203,784		0.0000	1.0000	90.48
45.5	139,962		0.0000	1.0000	90.48
46.5	139,962		0.0000	1.0000	90.48
47.5	62,233		0.0000	1.0000	90.48
48.5					90.48

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G07 - GROUND WIRE SYSTEM
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G07 - GROUND WIRE SYSTEM

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	10,655,699		0.0000	1.0000	100.00
0.5	10,087,501		0.0000	1.0000	100.00
1.5	9,546,185		0.0000	1.0000	100.00
2.5	8,903,324	2,405	0.0003	0.9997	100.00
3.5	8,158,963	23,099	0.0028	0.9972	99.97
4.5	7,858,588	2,351	0.0003	0.9997	99.69
5.5	7,588,514	11,099	0.0015	0.9985	99.66
6.5	7,402,576	2,960	0.0004	0.9996	99.51
7.5	6,346,757		0.0000	1.0000	99.47
8.5	6,346,757		0.0000	1.0000	99.47
9.5	6,276,529	510	0.0001	0.9999	99.47
10.5	6,256,087		0.0000	1.0000	99.47
11.5	6,246,646		0.0000	1.0000	99.47
12.5	5,838,094	21,116	0.0036	0.9964	99.47
13.5	5,753,109		0.0000	1.0000	99.11
14.5	5,399,745	73,158	0.0135	0.9865	99.11
15.5	5,217,387	51	0.0000	1.0000	97.76
16.5	5,217,336	806	0.0002	0.9998	97.76
17.5	5,188,571		0.0000	1.0000	97.75
18.5	5,160,918		0.0000	1.0000	97.75
19.5	5,018,364		0.0000	1.0000	97.75
20.5	4,602,965		0.0000	1.0000	97.75
21.5	4,597,352		0.0000	1.0000	97.75
22.5	4,586,032	6,802	0.0015	0.9985	97.75
23.5	4,364,218	12,497	0.0029	0.9971	97.60
24.5	3,830,834	230	0.0001	0.9999	97.32
25.5	3,361,807	17,549	0.0052	0.9948	97.32
26.5	3,061,231		0.0000	1.0000	96.81
27.5	3,017,215	16,470	0.0055	0.9945	96.81
28.5	2,856,723	194	0.0001	0.9999	96.28
29.5	2,826,921	6,426	0.0023	0.9977	96.27
30.5	2,364,792	773	0.0003	0.9997	96.06
31.5	2,364,019	4,607	0.0019	0.9981	96.02
32.5	2,007,180	6,833	0.0034	0.9966	95.84
33.5	1,653,358	281	0.0002	0.9998	95.51
34.5	1,580,951	19,030	0.0120	0.9880	95.49
35.5	1,192,468	17,206	0.0144	0.9856	94.35
36.5	1,098,806	6,546	0.0060	0.9940	92.98
37.5	854,782		0.0000	1.0000	92.43
38.5	810,716		0.0000	1.0000	92.43

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

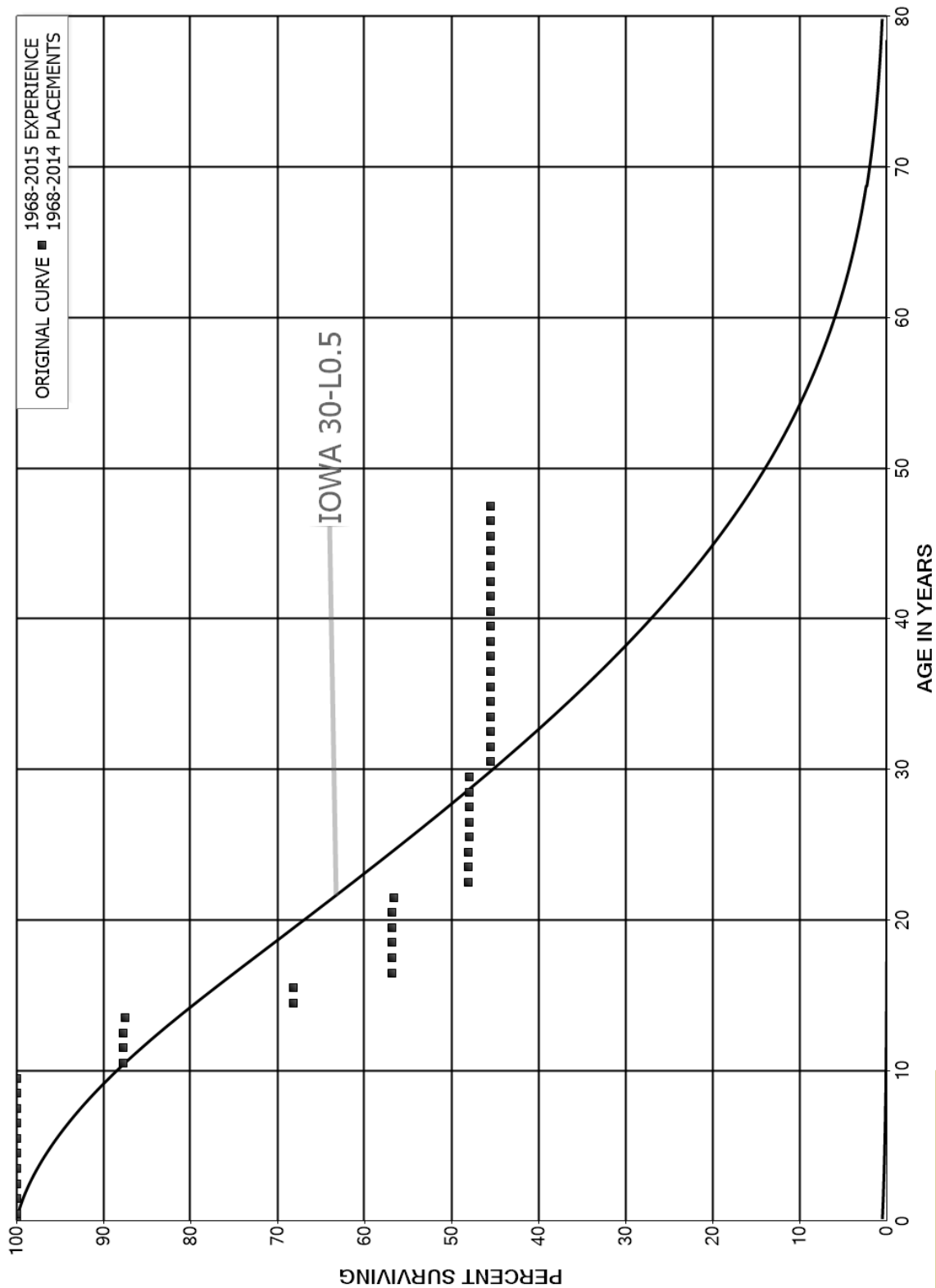
ACCOUNT G07 - GROUND WIRE SYSTEM

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	806,093	23	0.0000	1.0000	92.43
40.5	758,178	20	0.0000	1.0000	92.43
41.5	536,557		0.0000	1.0000	92.43
42.5	536,557		0.0000	1.0000	92.43
43.5	536,557	32,306	0.0602	0.9398	92.43
44.5	451,178		0.0000	1.0000	86.86
45.5	278,958		0.0000	1.0000	86.86
46.5	278,958		0.0000	1.0000	86.86
47.5	184,040		0.0000	1.0000	86.86
48.5	2,824		0.0000	1.0000	86.86
49.5					86.86

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT I02 - INFORMATION DELIVERY SYSTEM - ECC
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT I02 - INFORMATION DELIVERY SYSTEM - ECC

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2014			EXPERIENCE BAND 1968-2015		
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	22,261,230		0.0000	1.0000	100.00
0.5	22,261,230		0.0000	1.0000	100.00
1.5	21,913,559		0.0000	1.0000	100.00
2.5	21,913,559		0.0000	1.0000	100.00
3.5	21,868,188		0.0000	1.0000	100.00
4.5	21,868,188		0.0000	1.0000	100.00
5.5	21,868,188	3,719	0.0002	0.9998	100.00
6.5	21,446,139		0.0000	1.0000	99.98
7.5	21,101,401		0.0000	1.0000	99.98
8.5	21,101,401		0.0000	1.0000	99.98
9.5	20,604,043	2,527,190	0.1227	0.8773	99.98
10.5	16,873,034		0.0000	1.0000	87.72
11.5	15,233,831		0.0000	1.0000	87.72
12.5	15,233,831	45,673	0.0030	0.9970	87.72
13.5	15,169,709	3,351,016	0.2209	0.7791	87.46
14.5	11,818,693		0.0000	1.0000	68.14
15.5	11,818,693	1,953,783	0.1653	0.8347	68.14
16.5	9,508,569	798	0.0001	0.9999	56.87
17.5	9,507,771	7,009	0.0007	0.9993	56.87
18.5	9,500,762		0.0000	1.0000	56.83
19.5	9,500,762		0.0000	1.0000	56.83
20.5	9,500,762	39,474	0.0042	0.9958	56.83
21.5	8,701,521	1,309,202	0.1505	0.8495	56.59
22.5	7,392,319		0.0000	1.0000	48.08
23.5	7,372,386	1,036	0.0001	0.9999	48.08
24.5	7,371,350	18,112	0.0025	0.9975	48.07
25.5	6,834,830		0.0000	1.0000	47.95
26.5	6,783,761		0.0000	1.0000	47.95
27.5	6,499,007		0.0000	1.0000	47.95
28.5	6,008,757		0.0000	1.0000	47.95
29.5	6,008,757	309,494	0.0515	0.9485	47.95
30.5	5,699,263		0.0000	1.0000	45.48
31.5	5,699,263		0.0000	1.0000	45.48
32.5	5,699,263		0.0000	1.0000	45.48
33.5	5,699,263		0.0000	1.0000	45.48
34.5	5,699,263		0.0000	1.0000	45.48
35.5	3,391,604		0.0000	1.0000	45.48
36.5	3,366,271		0.0000	1.0000	45.48
37.5	3,366,271		0.0000	1.0000	45.48
38.5	3,366,271		0.0000	1.0000	45.48

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

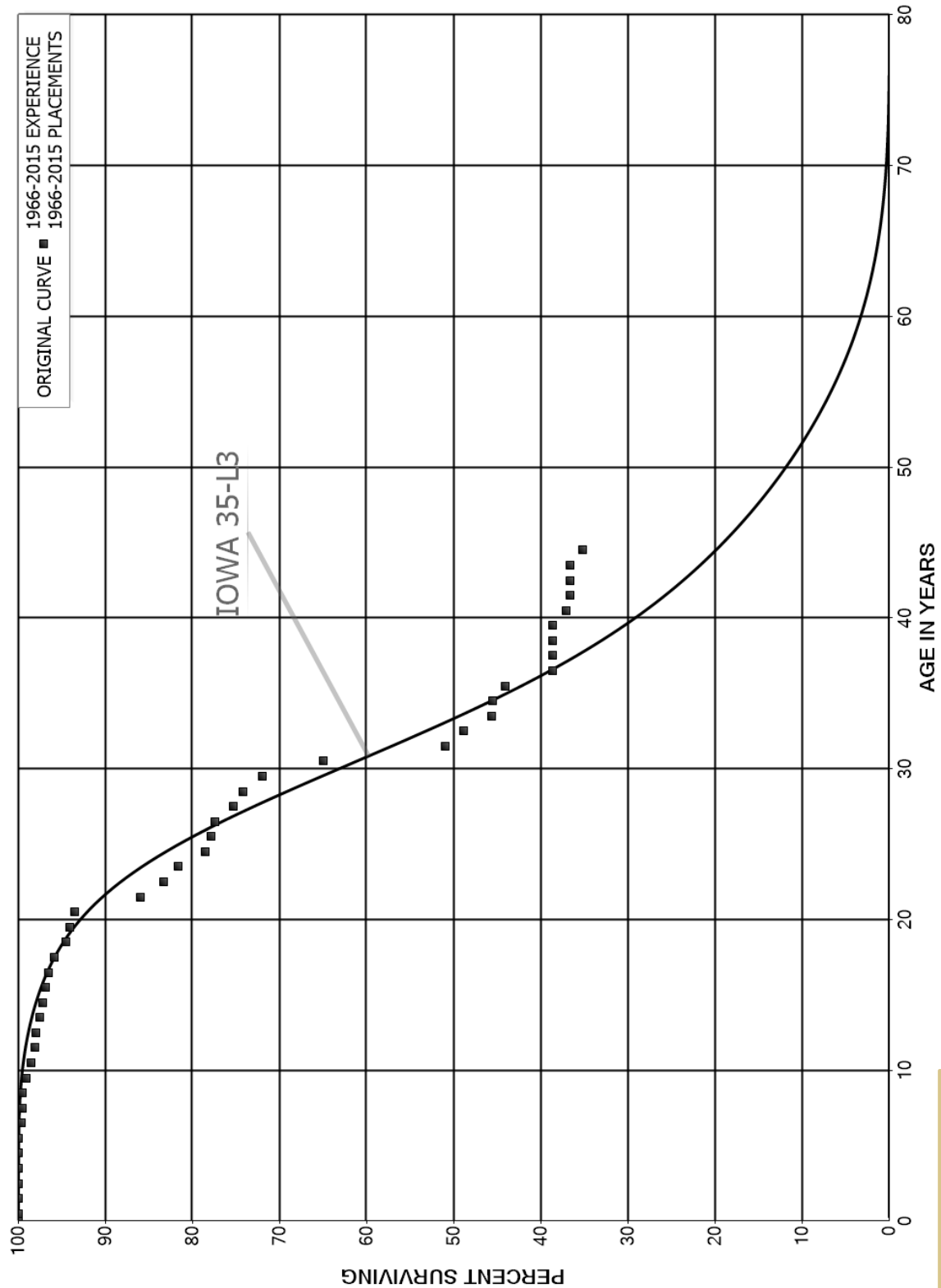
ACCOUNT I02 - INFORMATION DELIVERY SYSTEM - ECC

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2014			EXPERIENCE BAND 1968-2015		
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	3,366,271		0.0000	1.0000	45.48
40.5	3,366,271		0.0000	1.0000	45.48
41.5	3,366,271		0.0000	1.0000	45.48
42.5	3,366,271		0.0000	1.0000	45.48
43.5	3,366,271		0.0000	1.0000	45.48
44.5	1,803,443		0.0000	1.0000	45.48
45.5	1,803,443		0.0000	1.0000	45.48
46.5	1,270,122		0.0000	1.0000	45.48
47.5					45.48

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT I03 - INSTRUMENTATION
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT I03 - INSTRUMENTATION

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	48,242,343		0.0000	1.0000	100.00
0.5	48,174,385	324	0.0000	1.0000	100.00
1.5	45,488,327		0.0000	1.0000	100.00
2.5	45,382,692		0.0000	1.0000	100.00
3.5	44,388,624		0.0000	1.0000	100.00
4.5	43,897,849		0.0000	1.0000	100.00
5.5	43,573,959	160,151	0.0037	0.9963	100.00
6.5	41,290,216	43,594	0.0011	0.9989	99.63
7.5	40,437,876	13,964	0.0003	0.9997	99.53
8.5	37,286,948	146,912	0.0039	0.9961	99.49
9.5	35,815,777	230,244	0.0064	0.9936	99.10
10.5	35,252,361	161,496	0.0046	0.9954	98.46
11.5	32,314,895	21,157	0.0007	0.9993	98.01
12.5	30,452,396	151,853	0.0050	0.9950	97.95
13.5	28,313,477	77,779	0.0027	0.9973	97.46
14.5	27,554,054	102,287	0.0037	0.9963	97.19
15.5	23,559,738	66,360	0.0028	0.9972	96.83
16.5	22,472,689	160,058	0.0071	0.9929	96.56
17.5	21,592,182	305,202	0.0141	0.9859	95.87
18.5	20,397,103	95,844	0.0047	0.9953	94.52
19.5	18,514,891	116,445	0.0063	0.9937	94.07
20.5	16,639,757	1,340,429	0.0806	0.9194	93.48
21.5	14,330,008	448,710	0.0313	0.9687	85.95
22.5	12,691,805	258,205	0.0203	0.9797	83.26
23.5	11,665,780	439,868	0.0377	0.9623	81.56
24.5	9,525,743	75,091	0.0079	0.9921	78.49
25.5	6,237,944	38,748	0.0062	0.9938	77.87
26.5	5,598,358	149,312	0.0267	0.9733	77.39
27.5	4,873,463	73,191	0.0150	0.9850	75.32
28.5	4,266,325	132,011	0.0309	0.9691	74.19
29.5	4,126,752	396,364	0.0960	0.9040	71.90
30.5	2,731,213	591,635	0.2166	0.7834	64.99
31.5	2,069,541	85,526	0.0413	0.9587	50.91
32.5	1,353,535	88,424	0.0653	0.9347	48.81
33.5	838,678	1,295	0.0015	0.9985	45.62
34.5	768,363	24,135	0.0314	0.9686	45.55
35.5	732,916	90,713	0.1238	0.8762	44.12
36.5	627,421		0.0000	1.0000	38.66
37.5	591,994		0.0000	1.0000	38.66
38.5	541,711		0.0000	1.0000	38.66

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

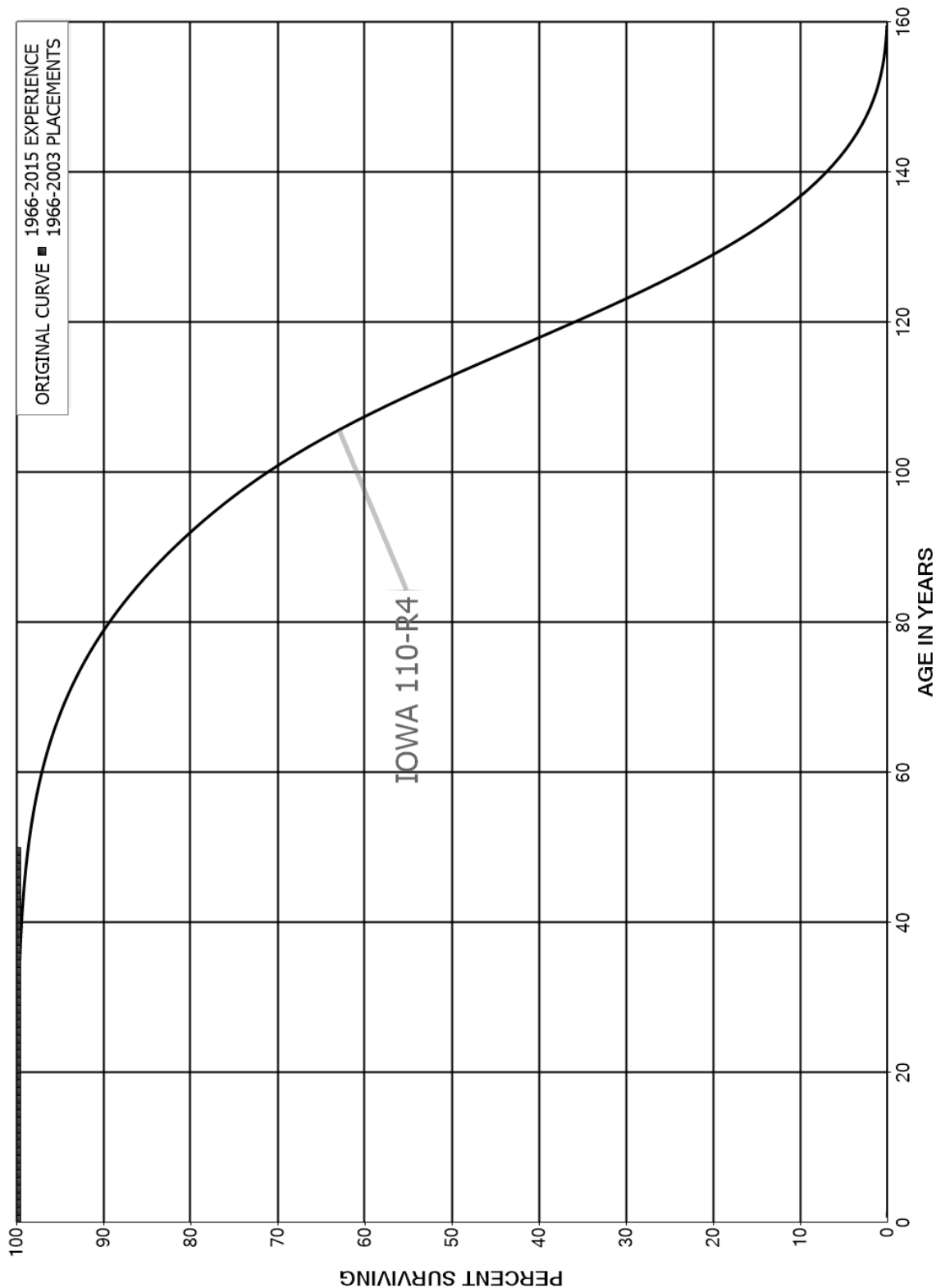
ACCOUNT I03 - INSTRUMENTATION

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	529,369	21,991	0.0415	0.9585	38.66
40.5	506,864	5,271	0.0104	0.9896	37.05
41.5	489,114		0.0000	1.0000	36.67
42.5	489,114	1,243	0.0025	0.9975	36.67
43.5	487,870	18,088	0.0371	0.9629	36.57
44.5	469,783		0.0000	1.0000	35.22
45.5	373,407		0.0000	1.0000	35.22
46.5	323,008	120,099	0.3718	0.6282	35.22
47.5	88,701		0.0000	1.0000	22.12
48.5					22.12

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT I04 - INSULATORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT I04 - INSULATORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2003			EXPERIENCE BAND 1966-2015		
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	19,436,445		0.0000	1.0000	100.00
0.5	19,436,445		0.0000	1.0000	100.00
1.5	19,436,445		0.0000	1.0000	100.00
2.5	19,436,445		0.0000	1.0000	100.00
3.5	19,436,445		0.0000	1.0000	100.00
4.5	19,436,445		0.0000	1.0000	100.00
5.5	19,436,445		0.0000	1.0000	100.00
6.5	19,436,445		0.0000	1.0000	100.00
7.5	19,436,445		0.0000	1.0000	100.00
8.5	19,436,445		0.0000	1.0000	100.00
9.5	19,436,445		0.0000	1.0000	100.00
10.5	19,436,445		0.0000	1.0000	100.00
11.5	19,436,445		0.0000	1.0000	100.00
12.5	15,526,631		0.0000	1.0000	100.00
13.5	15,502,585		0.0000	1.0000	100.00
14.5	15,502,585		0.0000	1.0000	100.00
15.5	15,502,585		0.0000	1.0000	100.00
16.5	15,502,585		0.0000	1.0000	100.00
17.5	15,502,585		0.0000	1.0000	100.00
18.5	15,492,014		0.0000	1.0000	100.00
19.5	15,492,014		0.0000	1.0000	100.00
20.5	15,492,014		0.0000	1.0000	100.00
21.5	15,486,773		0.0000	1.0000	100.00
22.5	15,486,773		0.0000	1.0000	100.00
23.5	15,486,773		0.0000	1.0000	100.00
24.5	15,486,773		0.0000	1.0000	100.00
25.5	15,486,773		0.0000	1.0000	100.00
26.5	15,480,004		0.0000	1.0000	100.00
27.5	15,480,004		0.0000	1.0000	100.00
28.5	15,480,004		0.0000	1.0000	100.00
29.5	15,480,004		0.0000	1.0000	100.00
30.5	15,480,004		0.0000	1.0000	100.00
31.5	12,078,221		0.0000	1.0000	100.00
32.5	12,062,216		0.0000	1.0000	100.00
33.5	7,022,641		0.0000	1.0000	100.00
34.5	7,022,641		0.0000	1.0000	100.00
35.5	7,022,641		0.0000	1.0000	100.00
36.5	5,568,392		0.0000	1.0000	100.00
37.5	5,568,392		0.0000	1.0000	100.00
38.5	5,568,392		0.0000	1.0000	100.00

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

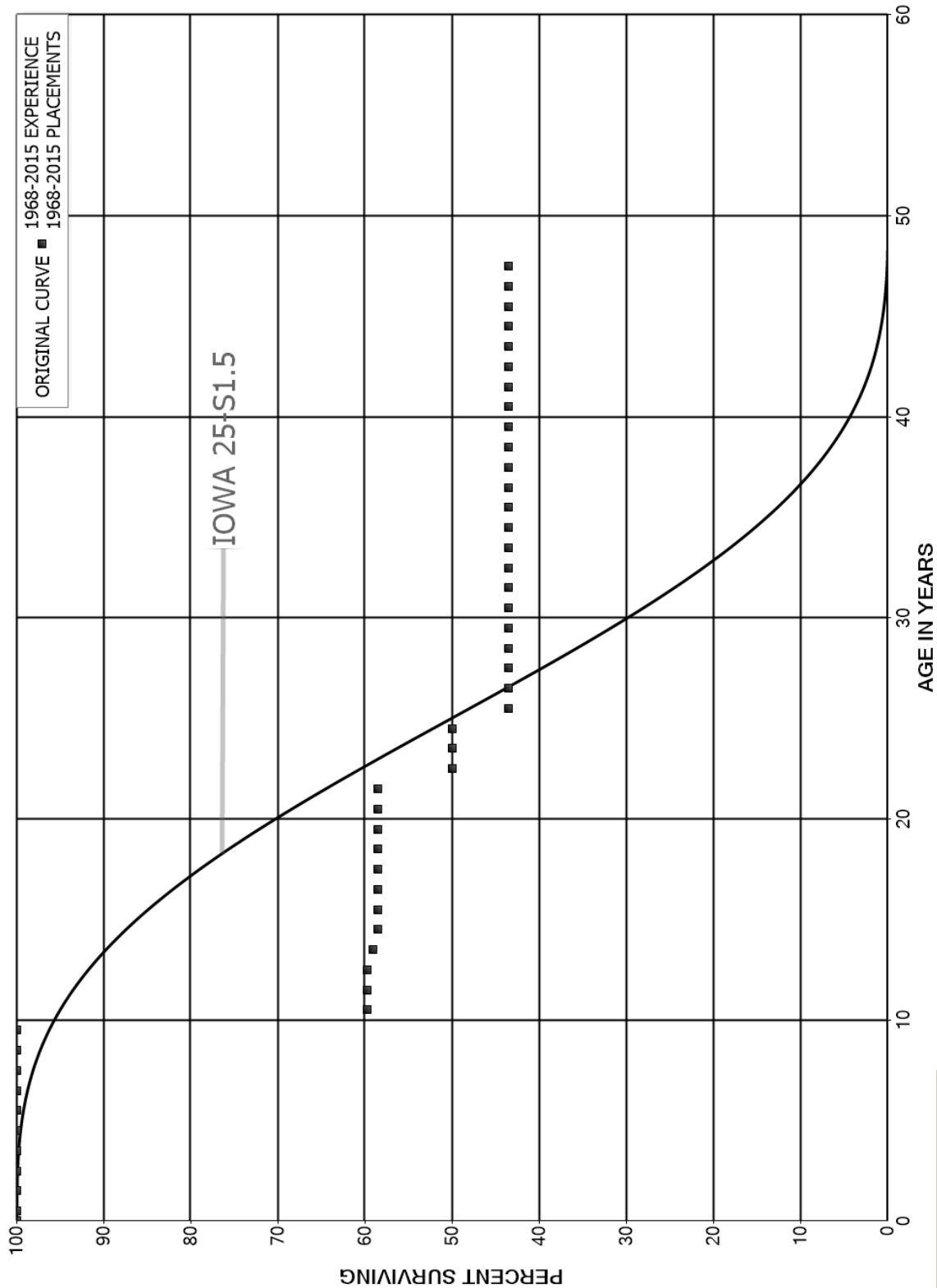
ACCOUNT 104 - INSULATORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2003			EXPERIENCE BAND 1966-2015		
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	5,568,392		0.0000	1.0000	100.00
40.5	5,568,392		0.0000	1.0000	100.00
41.5	5,568,392		0.0000	1.0000	100.00
42.5	5,568,392		0.0000	1.0000	100.00
43.5	5,568,392		0.0000	1.0000	100.00
44.5	5,568,392		0.0000	1.0000	100.00
45.5	5,568,392		0.0000	1.0000	100.00
46.5	5,568,392		0.0000	1.0000	100.00
47.5	5,568,392		0.0000	1.0000	100.00
48.5	3,784,392		0.0000	1.0000	100.00
49.5					100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT I05 - INTAKE STRUCTURES
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT I05 - INTAKE STRUCTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	1,046,068		0.0000	1.0000	100.00
0.5	996,264		0.0000	1.0000	100.00
1.5	990,621		0.0000	1.0000	100.00
2.5	990,621		0.0000	1.0000	100.00
3.5	985,656		0.0000	1.0000	100.00
4.5	985,656		0.0000	1.0000	100.00
5.5	985,656		0.0000	1.0000	100.00
6.5	985,656		0.0000	1.0000	100.00
7.5	974,645		0.0000	1.0000	100.00
8.5	974,645		0.0000	1.0000	100.00
9.5	958,372	385,595	0.4023	0.5977	100.00
10.5	570,437		0.0000	1.0000	59.77
11.5	570,437		0.0000	1.0000	59.77
12.5	570,437	6,319	0.0111	0.9889	59.77
13.5	564,119	5,824	0.0103	0.9897	59.10
14.5	447,339		0.0000	1.0000	58.49
15.5	416,460		0.0000	1.0000	58.49
16.5	416,460		0.0000	1.0000	58.49
17.5	416,460		0.0000	1.0000	58.49
18.5	416,460		0.0000	1.0000	58.49
19.5	398,855		0.0000	1.0000	58.49
20.5	398,855		0.0000	1.0000	58.49
21.5	398,855	58,409	0.1464	0.8536	58.49
22.5	340,446		0.0000	1.0000	49.93
23.5	340,446		0.0000	1.0000	49.93
24.5	340,446	44,000	0.1292	0.8708	49.93
25.5	296,446		0.0000	1.0000	43.47
26.5	296,446		0.0000	1.0000	43.47
27.5	296,446		0.0000	1.0000	43.47
28.5	296,446		0.0000	1.0000	43.47
29.5	296,446		0.0000	1.0000	43.47
30.5	296,446		0.0000	1.0000	43.47
31.5	296,446		0.0000	1.0000	43.47
32.5	296,446		0.0000	1.0000	43.47
33.5	296,446		0.0000	1.0000	43.47
34.5	296,446		0.0000	1.0000	43.47
35.5	296,446		0.0000	1.0000	43.47
36.5	182,291		0.0000	1.0000	43.47
37.5	182,291		0.0000	1.0000	43.47
38.5	182,291		0.0000	1.0000	43.47

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

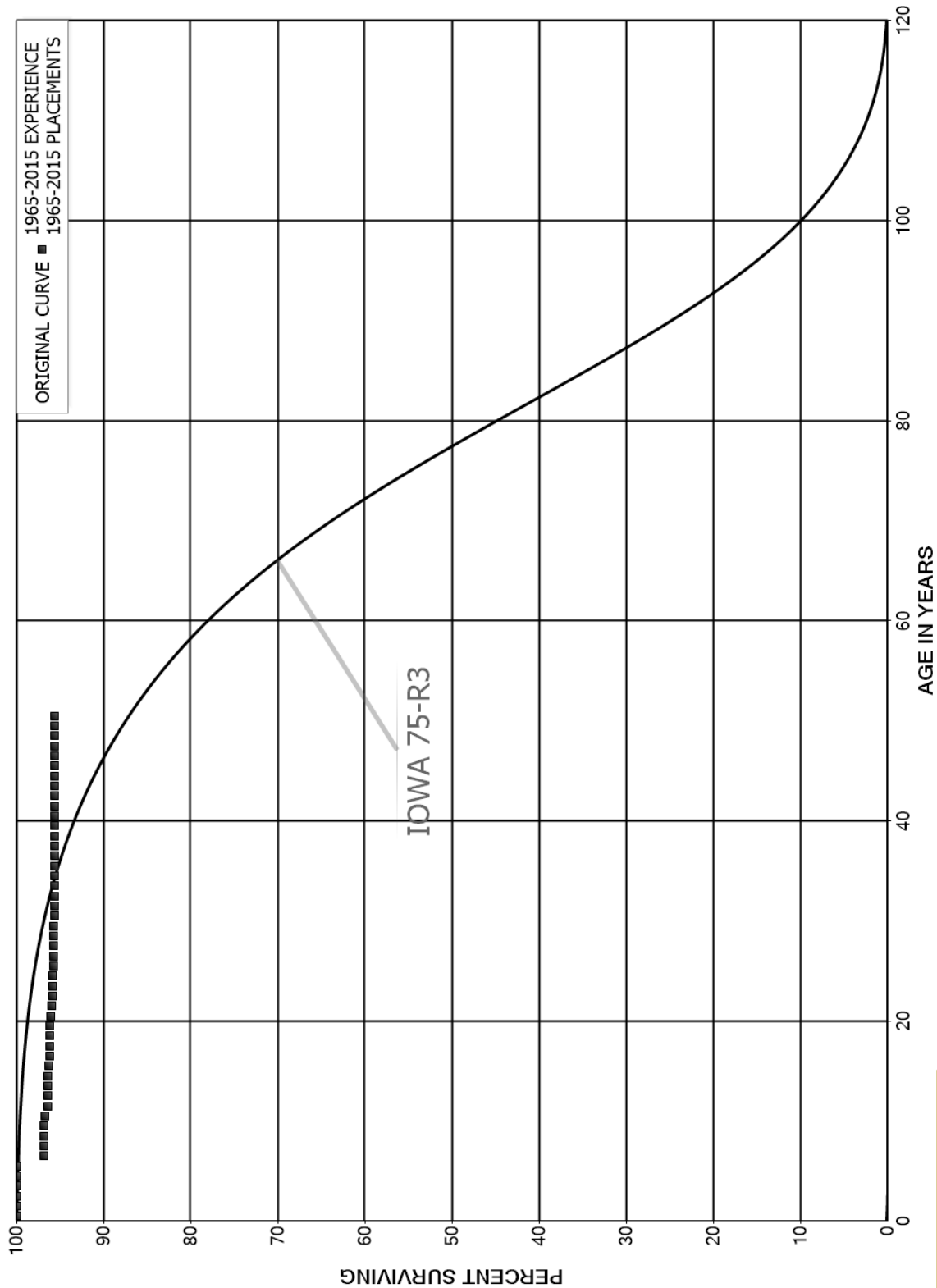
ACCOUNT I05 - INTAKE STRUCTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	182,291		0.0000	1.0000	43.47
40.5	182,291		0.0000	1.0000	43.47
41.5	182,291		0.0000	1.0000	43.47
42.5	182,291		0.0000	1.0000	43.47
43.5	182,291		0.0000	1.0000	43.47
44.5	182,291		0.0000	1.0000	43.47
45.5	182,291		0.0000	1.0000	43.47
46.5	182,291		0.0000	1.0000	43.47
47.5					43.47

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT I.03 - LAND IMPROVEMENTS
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT L03 - LAND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	14,785,580		0.0000	1.0000	100.00
0.5	14,405,219		0.0000	1.0000	100.00
1.5	14,035,436		0.0000	1.0000	100.00
2.5	14,035,436		0.0000	1.0000	100.00
3.5	13,985,752		0.0000	1.0000	100.00
4.5	13,920,972		0.0000	1.0000	100.00
5.5	13,907,588	434,171	0.0312	0.9688	100.00
6.5	13,205,053		0.0000	1.0000	96.88
7.5	13,140,512	3,813	0.0003	0.9997	96.88
8.5	13,136,698		0.0000	1.0000	96.85
9.5	13,026,208	18,971	0.0015	0.9985	96.85
10.5	12,919,808	42,480	0.0033	0.9967	96.71
11.5	12,774,710		0.0000	1.0000	96.39
12.5	12,546,047		0.0000	1.0000	96.39
13.5	12,373,363		0.0000	1.0000	96.39
14.5	12,373,363	15,446	0.0012	0.9988	96.39
15.5	12,284,887	6,107	0.0005	0.9995	96.27
16.5	12,161,087	9,618	0.0008	0.9992	96.22
17.5	11,829,964	2,739	0.0002	0.9998	96.15
18.5	11,802,786		0.0000	1.0000	96.12
19.5	11,546,911	6,476	0.0006	0.9994	96.12
20.5	11,195,645	12,318	0.0011	0.9989	96.07
21.5	10,996,065	11,197	0.0010	0.9990	95.96
22.5	10,758,006	6,203	0.0006	0.9994	95.87
23.5	10,182,136		0.0000	1.0000	95.81
24.5	9,741,386	5,711	0.0006	0.9994	95.81
25.5	8,969,860		0.0000	1.0000	95.76
26.5	6,750,871		0.0000	1.0000	95.76
27.5	6,562,113		0.0000	1.0000	95.76
28.5	5,992,954		0.0000	1.0000	95.76
29.5	5,907,424	7,420	0.0013	0.9987	95.76
30.5	5,647,615		0.0000	1.0000	95.64
31.5	5,550,842		0.0000	1.0000	95.64
32.5	5,290,586		0.0000	1.0000	95.64
33.5	4,774,341		0.0000	1.0000	95.64
34.5	4,502,387		0.0000	1.0000	95.64
35.5	3,449,183		0.0000	1.0000	95.64
36.5	3,412,057		0.0000	1.0000	95.64
37.5	2,634,287		0.0000	1.0000	95.64
38.5	2,242,772	350	0.0002	0.9998	95.64

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

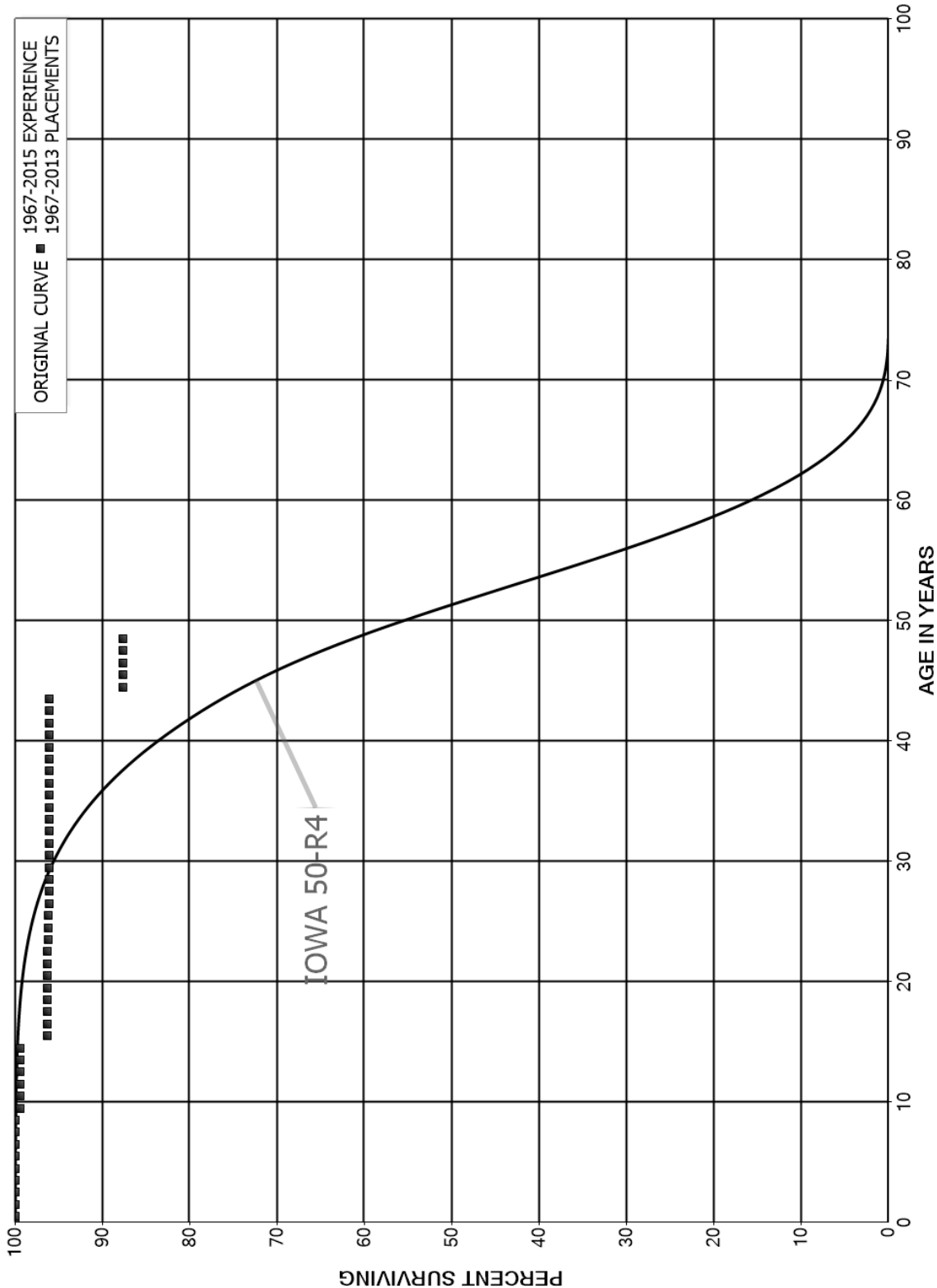
ACCOUNT L03 - LAND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	2,181,133		0.0000	1.0000	95.62
40.5	2,121,180		0.0000	1.0000	95.62
41.5	1,858,787		0.0000	1.0000	95.62
42.5	1,858,787		0.0000	1.0000	95.62
43.5	1,572,568		0.0000	1.0000	95.62
44.5	575,791		0.0000	1.0000	95.62
45.5	262,197		0.0000	1.0000	95.62
46.5	262,197		0.0000	1.0000	95.62
47.5	180,098		0.0000	1.0000	95.62
48.5	5,754		0.0000	1.0000	95.62
49.5	5,754		0.0000	1.0000	95.62
50.5					95.62

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT L04 - LIGHTING SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT L04 - LIGHTING SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2013			EXPERIENCE BAND 1967-2015		
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	961,466		0.0000	1.0000	100.00
0.5	961,466		0.0000	1.0000	100.00
1.5	961,466		0.0000	1.0000	100.00
2.5	703,475		0.0000	1.0000	100.00
3.5	610,448		0.0000	1.0000	100.00
4.5	610,448		0.0000	1.0000	100.00
5.5	610,448		0.0000	1.0000	100.00
6.5	610,448		0.0000	1.0000	100.00
7.5	610,448		0.0000	1.0000	100.00
8.5	610,448	3,887	0.0064	0.9936	100.00
9.5	606,561		0.0000	1.0000	99.36
10.5	606,561		0.0000	1.0000	99.36
11.5	606,561		0.0000	1.0000	99.36
12.5	606,561		0.0000	1.0000	99.36
13.5	606,561		0.0000	1.0000	99.36
14.5	606,561	18,968	0.0313	0.9687	99.36
15.5	587,593		0.0000	1.0000	96.26
16.5	587,593		0.0000	1.0000	96.26
17.5	587,593		0.0000	1.0000	96.26
18.5	587,593		0.0000	1.0000	96.26
19.5	587,593		0.0000	1.0000	96.26
20.5	587,593		0.0000	1.0000	96.26
21.5	587,593		0.0000	1.0000	96.26
22.5	587,593	251	0.0004	0.9996	96.26
23.5	584,606		0.0000	1.0000	96.21
24.5	565,775		0.0000	1.0000	96.21
25.5	530,168	548	0.0010	0.9990	96.21
26.5	511,596		0.0000	1.0000	96.12
27.5	501,759		0.0000	1.0000	96.12
28.5	462,437		0.0000	1.0000	96.12
29.5	456,580		0.0000	1.0000	96.12
30.5	453,017		0.0000	1.0000	96.12
31.5	453,017		0.0000	1.0000	96.12
32.5	442,026		0.0000	1.0000	96.12
33.5	408,180		0.0000	1.0000	96.12
34.5	398,291		0.0000	1.0000	96.12
35.5	372,390		0.0000	1.0000	96.12
36.5	288,819		0.0000	1.0000	96.12
37.5	220,924		0.0000	1.0000	96.12
38.5	190,964		0.0000	1.0000	96.12

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

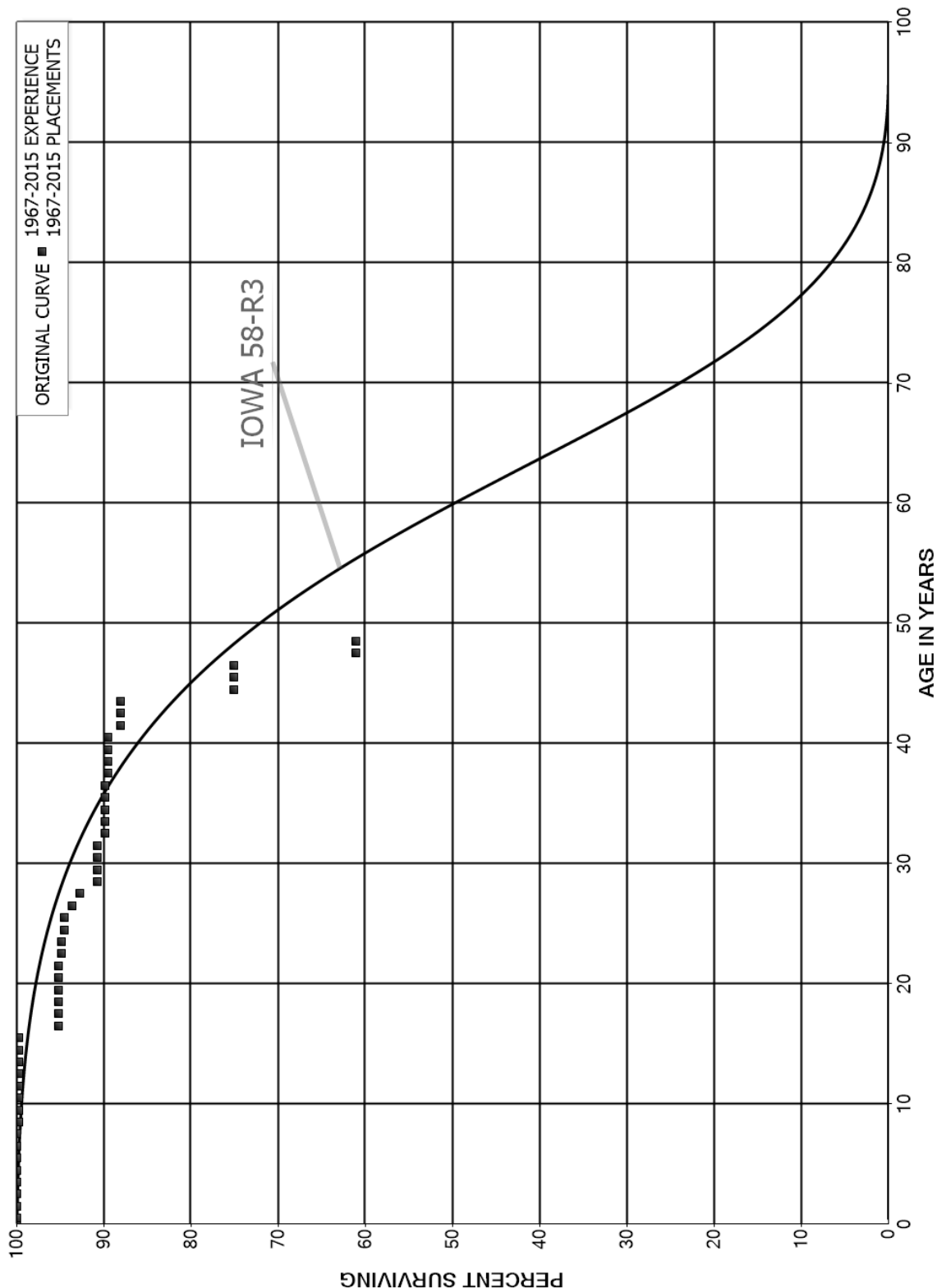
ACCOUNT L04 - LIGHTING SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2013			EXPERIENCE BAND 1967-2015		
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	186,557		0.0000	1.0000	96.12
40.5	146,805		0.0000	1.0000	96.12
41.5	130,187		0.0000	1.0000	96.12
42.5	130,187		0.0000	1.0000	96.12
43.5	130,187	11,509	0.0884	0.9116	96.12
44.5	90,452		0.0000	1.0000	87.62
45.5	47,965		0.0000	1.0000	87.62
46.5	47,965		0.0000	1.0000	87.62
47.5	45,238		0.0000	1.0000	87.62
48.5					87.62

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT 1.05 - LIGHTNING ARRESTORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT L05 - LIGHTNING ARRESTORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	6,294,940	6,388	0.0010	0.9990	100.00
0.5	5,967,202	314	0.0001	0.9999	99.90
1.5	5,876,747		0.0000	1.0000	99.89
2.5	5,859,055		0.0000	1.0000	99.89
3.5	5,772,890		0.0000	1.0000	99.89
4.5	5,715,551		0.0000	1.0000	99.89
5.5	5,692,652		0.0000	1.0000	99.89
6.5	5,612,650		0.0000	1.0000	99.89
7.5	5,560,060	8,235	0.0015	0.9985	99.89
8.5	5,538,693		0.0000	1.0000	99.75
9.5	5,448,583		0.0000	1.0000	99.75
10.5	5,368,864		0.0000	1.0000	99.75
11.5	5,357,424		0.0000	1.0000	99.75
12.5	5,357,424		0.0000	1.0000	99.75
13.5	5,357,424		0.0000	1.0000	99.75
14.5	5,357,424		0.0000	1.0000	99.75
15.5	301,716	13,947	0.0462	0.9538	99.75
16.5	287,769		0.0000	1.0000	95.13
17.5	287,769		0.0000	1.0000	95.13
18.5	287,769		0.0000	1.0000	95.13
19.5	285,304		0.0000	1.0000	95.13
20.5	285,304		0.0000	1.0000	95.13
21.5	282,713	944	0.0033	0.9967	95.13
22.5	281,769		0.0000	1.0000	94.82
23.5	281,769	892	0.0032	0.9968	94.82
24.5	280,877		0.0000	1.0000	94.52
25.5	280,877	2,829	0.0101	0.9899	94.52
26.5	277,708	2,538	0.0091	0.9909	93.56
27.5	274,358	5,754	0.0210	0.9790	92.71
28.5	268,310		0.0000	1.0000	90.76
29.5	262,608		0.0000	1.0000	90.76
30.5	262,608		0.0000	1.0000	90.76
31.5	262,608	2,692	0.0103	0.9897	90.76
32.5	259,916		0.0000	1.0000	89.83
33.5	234,230		0.0000	1.0000	89.83
34.5	232,163		0.0000	1.0000	89.83
35.5	231,873		0.0000	1.0000	89.83
36.5	231,873	755	0.0033	0.9967	89.83
37.5	211,893		0.0000	1.0000	89.54
38.5	211,828		0.0000	1.0000	89.54

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

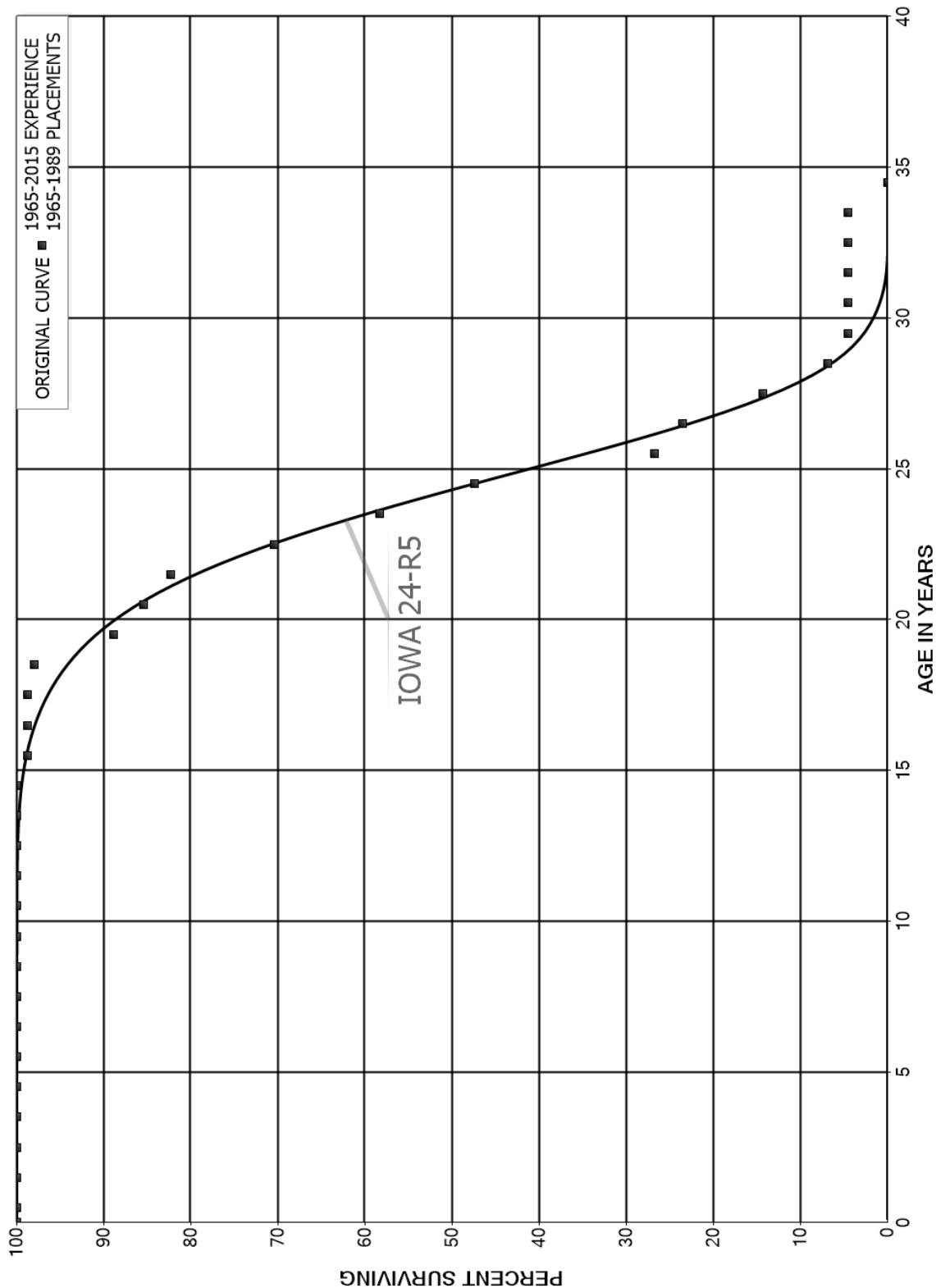
ACCOUNT L05 - LIGHTNING ARRESTORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	211,828		0.0000	1.0000	89.54
40.5	211,828	3,471	0.0164	0.9836	89.54
41.5	208,357		0.0000	1.0000	88.07
42.5	208,357		0.0000	1.0000	88.07
43.5	208,357	30,755	0.1476	0.8524	88.07
44.5	177,602		0.0000	1.0000	75.07
45.5	116,585		0.0000	1.0000	75.07
46.5	116,585	21,815	0.1871	0.8129	75.07
47.5	44,408		0.0000	1.0000	61.03
48.5					61.03

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT I06 - LINE COUPLING EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

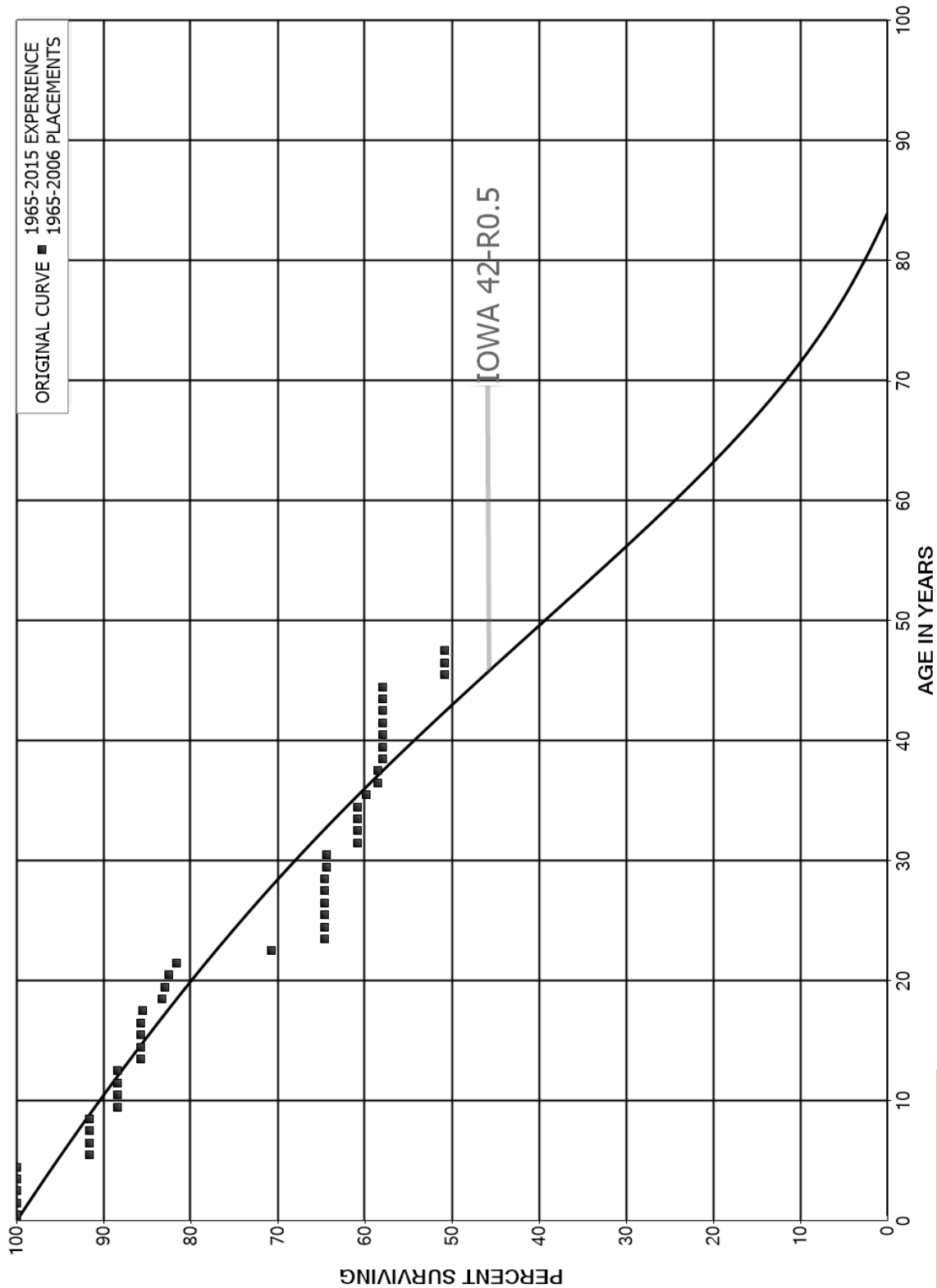
ACCOUNT L06 - LINE COUPLING EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-1989			EXPERIENCE BAND 1965-2015		
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	283,845		0.0000	1.0000	100.00
0.5	283,845		0.0000	1.0000	100.00
1.5	283,845		0.0000	1.0000	100.00
2.5	283,845		0.0000	1.0000	100.00
3.5	283,845		0.0000	1.0000	100.00
4.5	283,845		0.0000	1.0000	100.00
5.5	283,845		0.0000	1.0000	100.00
6.5	283,845		0.0000	1.0000	100.00
7.5	283,845		0.0000	1.0000	100.00
8.5	283,845		0.0000	1.0000	100.00
9.5	283,845		0.0000	1.0000	100.00
10.5	283,845		0.0000	1.0000	100.00
11.5	283,845		0.0000	1.0000	100.00
12.5	283,845		0.0000	1.0000	100.00
13.5	283,845		0.0000	1.0000	100.00
14.5	283,845	3,500	0.0123	0.9877	100.00
15.5	280,345		0.0000	1.0000	98.77
16.5	280,345		0.0000	1.0000	98.77
17.5	280,345	2,288	0.0082	0.9918	98.77
18.5	278,057	25,956	0.0933	0.9067	97.96
19.5	252,101	9,613	0.0381	0.9619	88.82
20.5	242,488	8,841	0.0365	0.9635	85.43
21.5	233,647	33,900	0.1451	0.8549	82.32
22.5	199,747	34,202	0.1712	0.8288	70.37
23.5	165,546	31,132	0.1881	0.8119	58.32
24.5	134,414	58,470	0.4350	0.5650	47.35
25.5	75,945	9,291	0.1223	0.8777	26.76
26.5	66,654	26,127	0.3920	0.6080	23.48
27.5	40,527	21,273	0.5249	0.4751	14.28
28.5	19,254	6,528	0.3391	0.6609	6.78
29.5	12,726		0.0000	1.0000	4.48
30.5	12,726		0.0000	1.0000	4.48
31.5	1,500		0.0000	1.0000	4.48
32.5	1,500		0.0000	1.0000	4.48
33.5	1,500	1,500	1.0000		4.48
34.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M01 - MAIN BREAKERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M01 - MAIN BREAKERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2006			EXPERIENCE BAND 1965-2015		
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	736,754		0.0000	1.0000	100.00
0.5	736,754		0.0000	1.0000	100.00
1.5	736,754		0.0000	1.0000	100.00
2.5	736,754		0.0000	1.0000	100.00
3.5	736,754		0.0000	1.0000	100.00
4.5	736,754	62,132	0.0843	0.9157	100.00
5.5	674,622		0.0000	1.0000	91.57
6.5	674,622		0.0000	1.0000	91.57
7.5	674,622		0.0000	1.0000	91.57
8.5	674,622	23,698	0.0351	0.9649	91.57
9.5	531,730		0.0000	1.0000	88.35
10.5	531,730		0.0000	1.0000	88.35
11.5	503,834		0.0000	1.0000	88.35
12.5	411,286	12,000	0.0292	0.9708	88.35
13.5	399,286		0.0000	1.0000	85.77
14.5	351,328		0.0000	1.0000	85.77
15.5	351,328		0.0000	1.0000	85.77
16.5	351,328	1,200	0.0034	0.9966	85.77
17.5	326,517	8,319	0.0255	0.9745	85.48
18.5	313,682	1,200	0.0038	0.9962	83.30
19.5	216,280	1,200	0.0055	0.9945	82.98
20.5	215,080	2,400	0.0112	0.9888	82.52
21.5	212,680	28,313	0.1331	0.8669	81.60
22.5	184,367	15,852	0.0860	0.9140	70.74
23.5	168,515		0.0000	1.0000	64.66
24.5	163,837		0.0000	1.0000	64.66
25.5	163,837		0.0000	1.0000	64.66
26.5	163,837		0.0000	1.0000	64.66
27.5	163,837		0.0000	1.0000	64.66
28.5	163,837	798	0.0049	0.9951	64.66
29.5	148,265		0.0000	1.0000	64.34
30.5	148,265	8,161	0.0550	0.9450	64.34
31.5	140,104		0.0000	1.0000	60.80
32.5	126,104		0.0000	1.0000	60.80
33.5	126,104		0.0000	1.0000	60.80
34.5	126,104	1,941	0.0154	0.9846	60.80
35.5	109,962	2,400	0.0218	0.9782	59.86
36.5	107,562		0.0000	1.0000	58.56
37.5	107,562	1,200	0.0112	0.9888	58.56
38.5	106,362		0.0000	1.0000	57.90

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

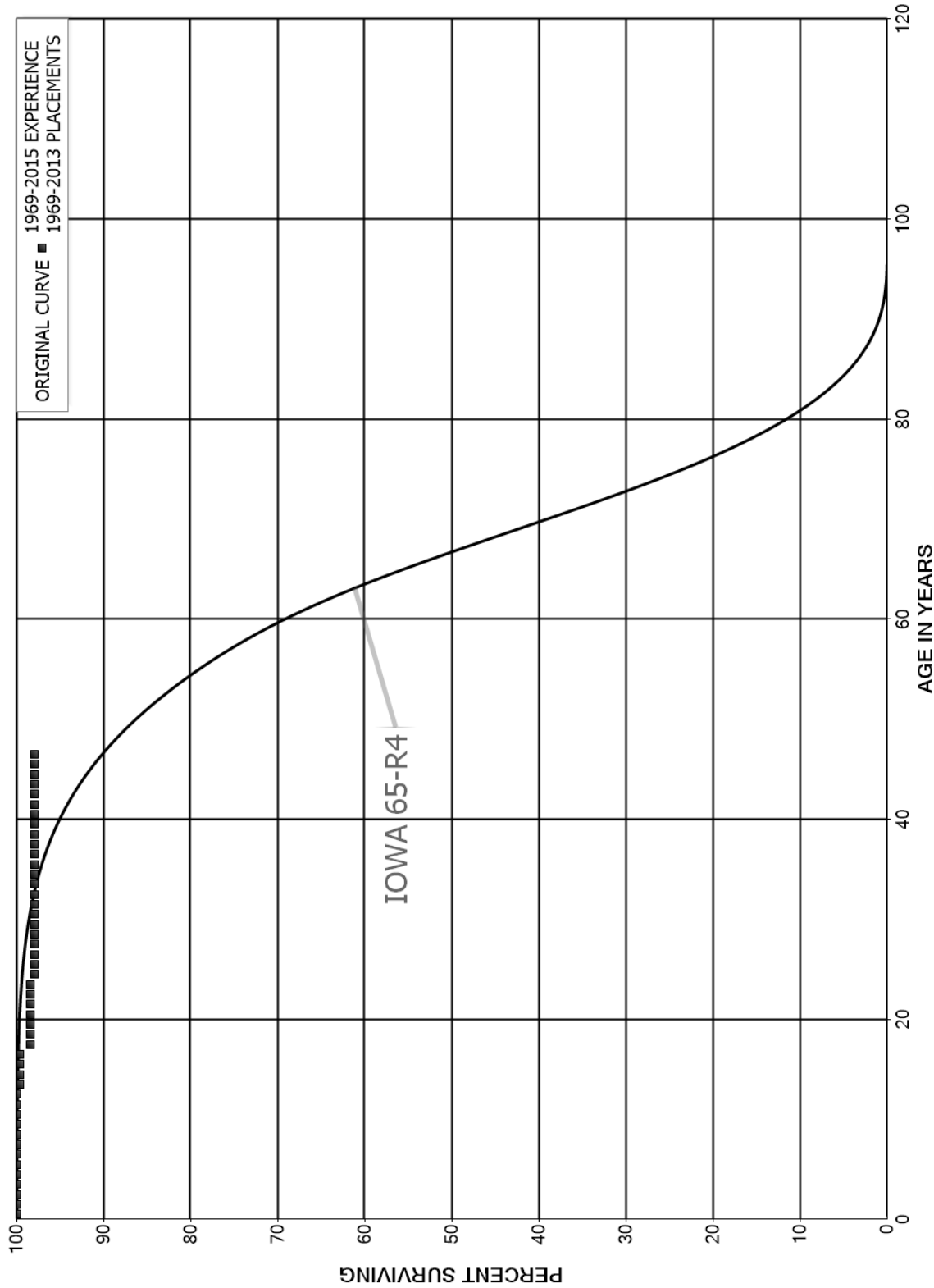
ACCOUNT M01 - MAIN BREAKERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2006			EXPERIENCE BAND 1965-2015		
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	106,362		0.0000	1.0000	57.90
40.5	106,362		0.0000	1.0000	57.90
41.5	106,362		0.0000	1.0000	57.90
42.5	106,362		0.0000	1.0000	57.90
43.5	106,362		0.0000	1.0000	57.90
44.5	106,362	13,000	0.1222	0.8778	57.90
45.5	87,097		0.0000	1.0000	50.83
46.5	87,097		0.0000	1.0000	50.83
47.5					50.83

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M02 - MARINE TERMINAL
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M02 - MARINE TERMINAL

ORIGINAL LIFE TABLE

PLACEMENT BAND 1969-2013			EXPERIENCE BAND 1969-2015		
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	4,370,678		0.0000	1.0000	100.00
0.5	4,370,678		0.0000	1.0000	100.00
1.5	4,370,678		0.0000	1.0000	100.00
2.5	3,513,142		0.0000	1.0000	100.00
3.5	3,513,142		0.0000	1.0000	100.00
4.5	3,513,142		0.0000	1.0000	100.00
5.5	3,513,142		0.0000	1.0000	100.00
6.5	3,391,551		0.0000	1.0000	100.00
7.5	3,391,551		0.0000	1.0000	100.00
8.5	3,391,551		0.0000	1.0000	100.00
9.5	3,391,551		0.0000	1.0000	100.00
10.5	3,391,551		0.0000	1.0000	100.00
11.5	3,391,551		0.0000	1.0000	100.00
12.5	3,391,551	12,192	0.0036	0.9964	100.00
13.5	3,379,359		0.0000	1.0000	99.64
14.5	3,379,359		0.0000	1.0000	99.64
15.5	3,379,359	1,114	0.0003	0.9997	99.64
16.5	3,378,245	39,909	0.0118	0.9882	99.61
17.5	3,338,336		0.0000	1.0000	98.43
18.5	3,338,336		0.0000	1.0000	98.43
19.5	2,991,404		0.0000	1.0000	98.43
20.5	2,991,404		0.0000	1.0000	98.43
21.5	2,991,404		0.0000	1.0000	98.43
22.5	2,991,404		0.0000	1.0000	98.43
23.5	2,991,404	15,069	0.0050	0.9950	98.43
24.5	2,976,335		0.0000	1.0000	97.94
25.5	2,976,335		0.0000	1.0000	97.94
26.5	2,976,335		0.0000	1.0000	97.94
27.5	2,976,335		0.0000	1.0000	97.94
28.5	2,976,335		0.0000	1.0000	97.94
29.5	2,976,335		0.0000	1.0000	97.94
30.5	2,976,335		0.0000	1.0000	97.94
31.5	2,689,521		0.0000	1.0000	97.94
32.5	2,678,149		0.0000	1.0000	97.94
33.5	2,678,149		0.0000	1.0000	97.94
34.5	2,678,149		0.0000	1.0000	97.94
35.5	2,665,300		0.0000	1.0000	97.94
36.5	2,665,300		0.0000	1.0000	97.94
37.5	2,665,300		0.0000	1.0000	97.94
38.5	2,665,300		0.0000	1.0000	97.94

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

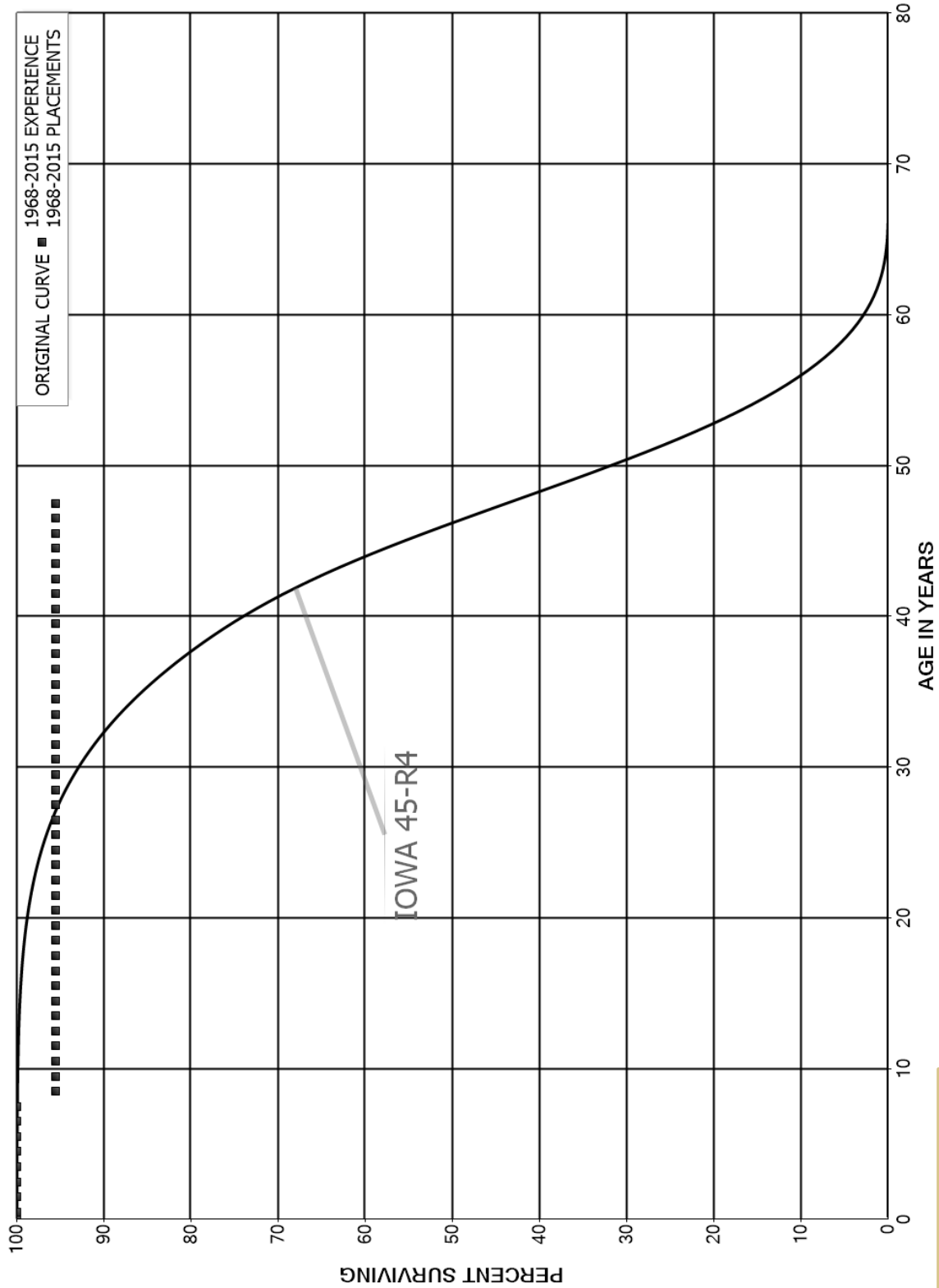
ACCOUNT M02 - MARINE TERMINAL

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1969-2013			EXPERIENCE BAND 1969-2015		
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	2,665,300		0.0000	1.0000	97.94
40.5	2,665,300		0.0000	1.0000	97.94
41.5	2,665,300		0.0000	1.0000	97.94
42.5	2,665,300		0.0000	1.0000	97.94
43.5	2,665,300		0.0000	1.0000	97.94
44.5	2,596,300		0.0000	1.0000	97.94
45.5	2,596,300		0.0000	1.0000	97.94
46.5					97.94

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M03 - METALCLAD SWITCHGEAR CUB/EQU 4kv/600
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M03 - METALCLAD SWITCHGEAR CUB/EQU 4kv/600

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	2,321,761	88,117	0.0000	1.0000	100.00
0.5	1,937,987		0.0000	1.0000	100.00
1.5	1,937,987		0.0000	1.0000	100.00
2.5	1,937,987		0.0000	1.0000	100.00
3.5	1,937,987		0.0000	1.0000	100.00
4.5	1,937,987		0.0000	1.0000	100.00
5.5	1,937,987		0.0000	1.0000	100.00
6.5	1,937,987		0.0000	1.0000	100.00
7.5	1,937,987		0.0455	0.9545	100.00
8.5	1,849,870		0.0000	1.0000	95.45
9.5	1,849,870		0.0000	1.0000	95.45
10.5	1,849,870		0.0000	1.0000	95.45
11.5	1,849,870		0.0000	1.0000	95.45
12.5	1,849,870		0.0000	1.0000	95.45
13.5	1,849,870		0.0000	1.0000	95.45
14.5	1,849,870		0.0000	1.0000	95.45
15.5	1,849,870		0.0000	1.0000	95.45
16.5	1,849,870		0.0000	1.0000	95.45
17.5	1,849,870		0.0000	1.0000	95.45
18.5	1,849,870		0.0000	1.0000	95.45
19.5	1,849,870	88,117	0.0000	1.0000	95.45
20.5	1,835,582		0.0000	1.0000	95.45
21.5	1,268,370		0.0000	1.0000	95.45
22.5	1,268,370		0.0000	1.0000	95.45
23.5	1,268,370		0.0000	1.0000	95.45
24.5	1,268,370		0.0000	1.0000	95.45
25.5	1,268,370		0.0000	1.0000	95.45
26.5	1,268,370		0.0000	1.0000	95.45
27.5	1,268,370		0.0000	1.0000	95.45
28.5	1,211,961		0.0000	1.0000	95.45
29.5	1,211,961		0.0000	1.0000	95.45
30.5	1,211,961		0.0000	1.0000	95.45
31.5	1,211,961		0.0000	1.0000	95.45
32.5	1,211,961		0.0000	1.0000	95.45
33.5	1,211,961		0.0000	1.0000	95.45
34.5	1,211,961		0.0000	1.0000	95.45
35.5	431,573		0.0000	1.0000	95.45
36.5	431,573		0.0000	1.0000	95.45
37.5	431,573		0.0000	1.0000	95.45
38.5	431,573		0.0000	1.0000	95.45

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

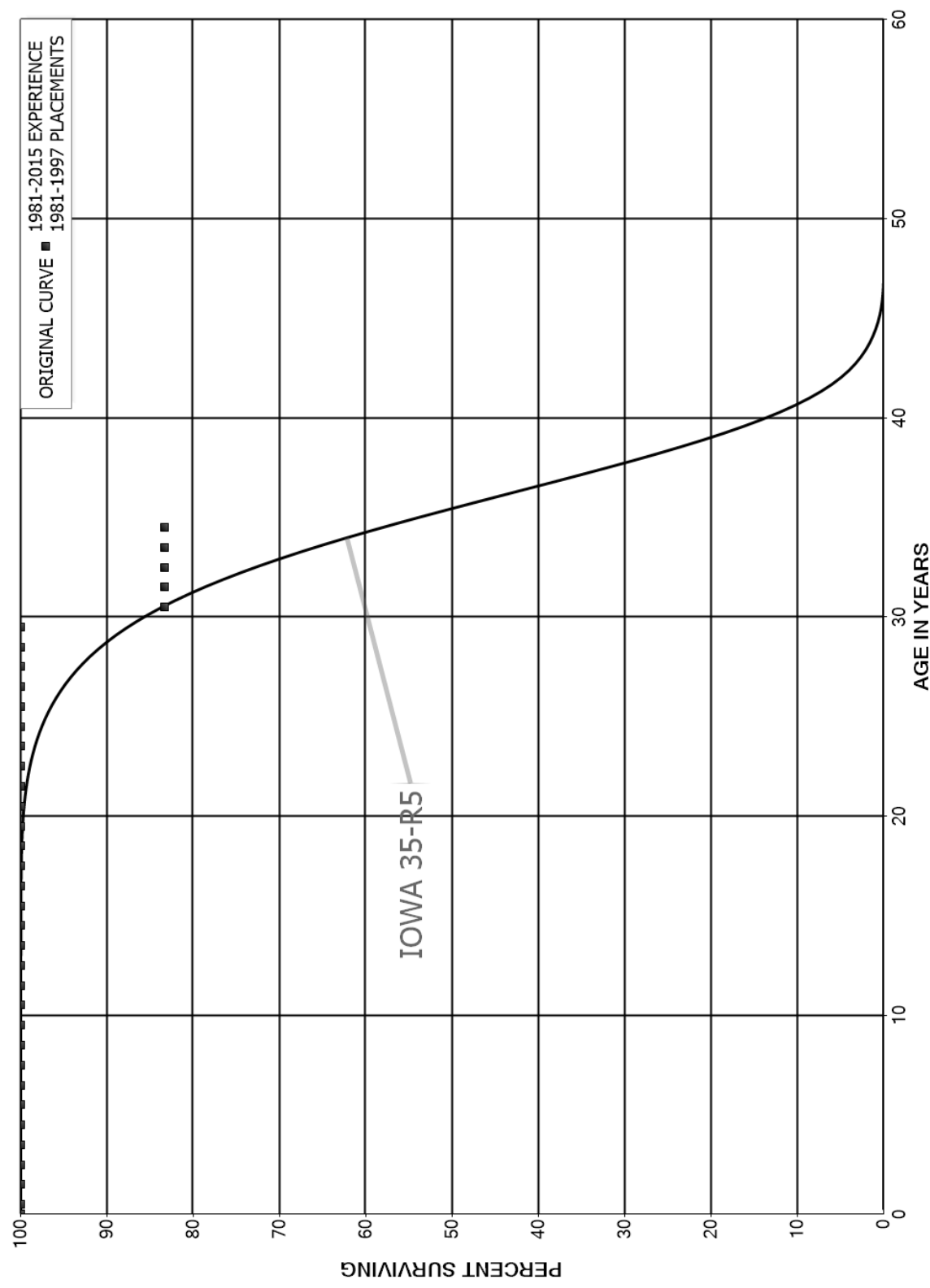
ACCOUNT M03 - METALCLAD SWITCHGEAR CUB/EQU 4kv/600

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	431,573		0.0000	1.0000	95.45
40.5	431,573		0.0000	1.0000	95.45
41.5	431,573		0.0000	1.0000	95.45
42.5	431,573		0.0000	1.0000	95.45
43.5	431,573		0.0000	1.0000	95.45
44.5	431,573		0.0000	1.0000	95.45
45.5	431,573		0.0000	1.0000	95.45
46.5	431,573		0.0000	1.0000	95.45
47.5					95.45

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M04 - METER TEST SWITCHES
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

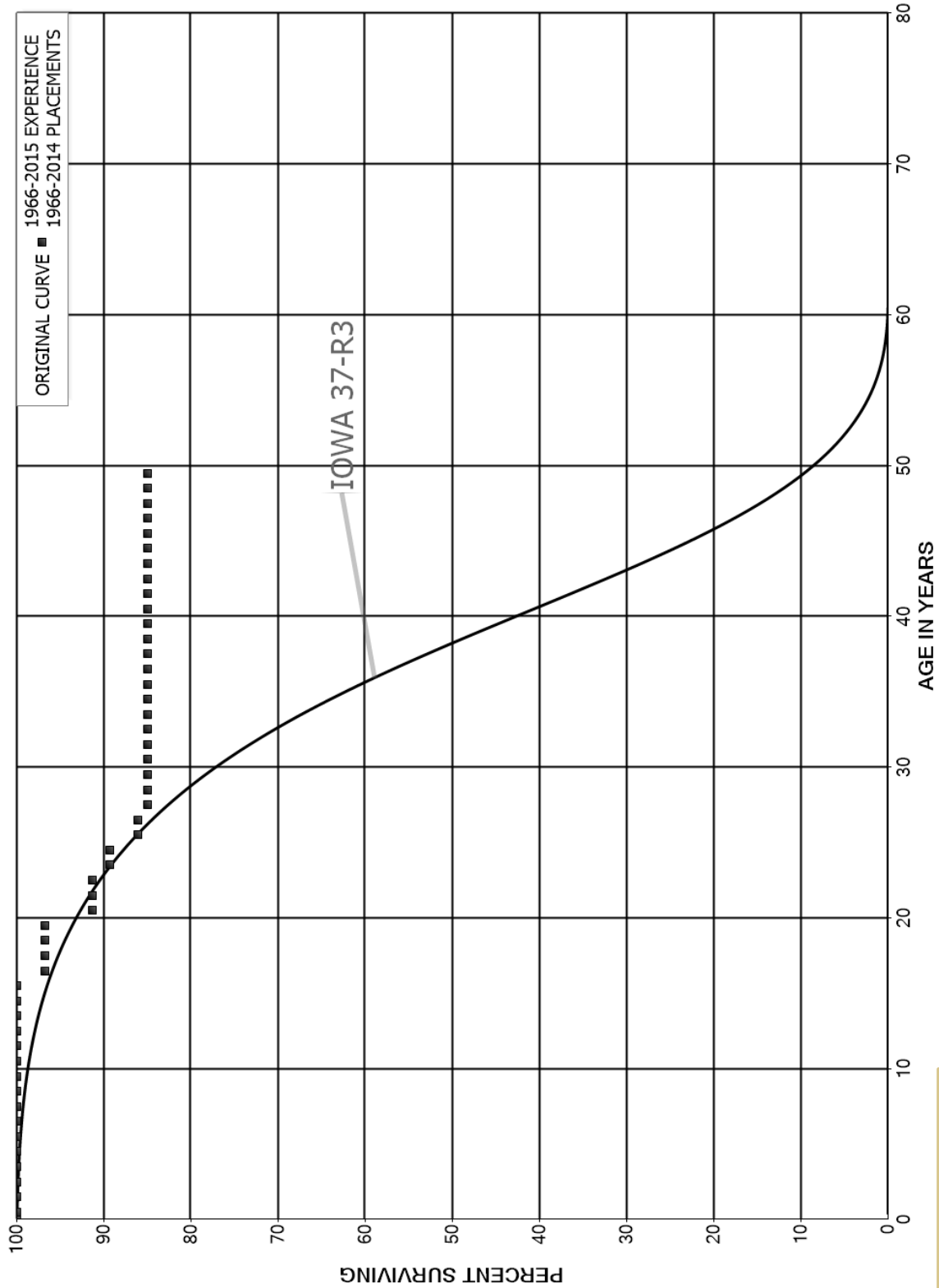
ACCOUNT M04 - METER TEST SWITCHES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1981-1997			EXPERIENCE BAND 1981-2015		
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	60,735		0.0000	1.0000	100.00
0.5	60,735		0.0000	1.0000	100.00
1.5	60,735		0.0000	1.0000	100.00
2.5	60,735		0.0000	1.0000	100.00
3.5	60,735		0.0000	1.0000	100.00
4.5	60,735		0.0000	1.0000	100.00
5.5	60,735		0.0000	1.0000	100.00
6.5	60,735		0.0000	1.0000	100.00
7.5	60,735		0.0000	1.0000	100.00
8.5	60,735		0.0000	1.0000	100.00
9.5	60,735		0.0000	1.0000	100.00
10.5	60,735		0.0000	1.0000	100.00
11.5	60,735		0.0000	1.0000	100.00
12.5	60,735		0.0000	1.0000	100.00
13.5	60,735		0.0000	1.0000	100.00
14.5	60,735		0.0000	1.0000	100.00
15.5	60,735		0.0000	1.0000	100.00
16.5	60,735		0.0000	1.0000	100.00
17.5	60,735		0.0000	1.0000	100.00
18.5	55,044		0.0000	1.0000	100.00
19.5	55,044		0.0000	1.0000	100.00
20.5	55,044		0.0000	1.0000	100.00
21.5	43,701		0.0000	1.0000	100.00
22.5	42,485		0.0000	1.0000	100.00
23.5	42,485		0.0000	1.0000	100.00
24.5	29,763		0.0000	1.0000	100.00
25.5	29,763		0.0000	1.0000	100.00
26.5	29,763		0.0000	1.0000	100.00
27.5	26,459		0.0000	1.0000	100.00
28.5	14,602		0.0000	1.0000	100.00
29.5	14,602	2,434	0.1667	0.8333	100.00
30.5	12,168		0.0000	1.0000	83.33
31.5	11,271		0.0000	1.0000	83.33
32.5	11,271		0.0000	1.0000	83.33
33.5	9,278		0.0000	1.0000	83.33
34.5					83.33

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M05 - METERING TANKS
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M05 - METERING TANKS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2014			EXPERIENCE BAND 1966-2015		
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	705,132		0.0000	1.0000	100.00
0.5	705,132		0.0000	1.0000	100.00
1.5	565,098		0.0000	1.0000	100.00
2.5	469,655		0.0000	1.0000	100.00
3.5	409,740		0.0000	1.0000	100.00
4.5	343,171		0.0000	1.0000	100.00
5.5	343,171		0.0000	1.0000	100.00
6.5	343,171		0.0000	1.0000	100.00
7.5	343,171		0.0000	1.0000	100.00
8.5	343,171		0.0000	1.0000	100.00
9.5	343,171		0.0000	1.0000	100.00
10.5	343,171		0.0000	1.0000	100.00
11.5	343,171		0.0000	1.0000	100.00
12.5	343,171		0.0000	1.0000	100.00
13.5	343,171		0.0000	1.0000	100.00
14.5	343,171		0.0000	1.0000	100.00
15.5	343,171	11,420	0.0333	0.9667	100.00
16.5	331,751		0.0000	1.0000	96.67
17.5	331,751		0.0000	1.0000	96.67
18.5	330,505		0.0000	1.0000	96.67
19.5	316,174	17,609	0.0557	0.9443	96.67
20.5	298,565		0.0000	1.0000	91.29
21.5	277,148		0.0000	1.0000	91.29
22.5	241,006	5,184	0.0215	0.9785	91.29
23.5	218,320		0.0000	1.0000	89.32
24.5	218,320	8,002	0.0367	0.9633	89.32
25.5	210,318		0.0000	1.0000	86.05
26.5	198,433	2,500	0.0126	0.9874	86.05
27.5	182,108		0.0000	1.0000	84.97
28.5	182,108		0.0000	1.0000	84.97
29.5	182,108		0.0000	1.0000	84.97
30.5	182,108		0.0000	1.0000	84.97
31.5	170,992		0.0000	1.0000	84.97
32.5	165,644		0.0000	1.0000	84.97
33.5	165,644		0.0000	1.0000	84.97
34.5	34,552		0.0000	1.0000	84.97
35.5	34,552		0.0000	1.0000	84.97
36.5	26,391		0.0000	1.0000	84.97
37.5	20,957		0.0000	1.0000	84.97
38.5	20,957		0.0000	1.0000	84.97

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

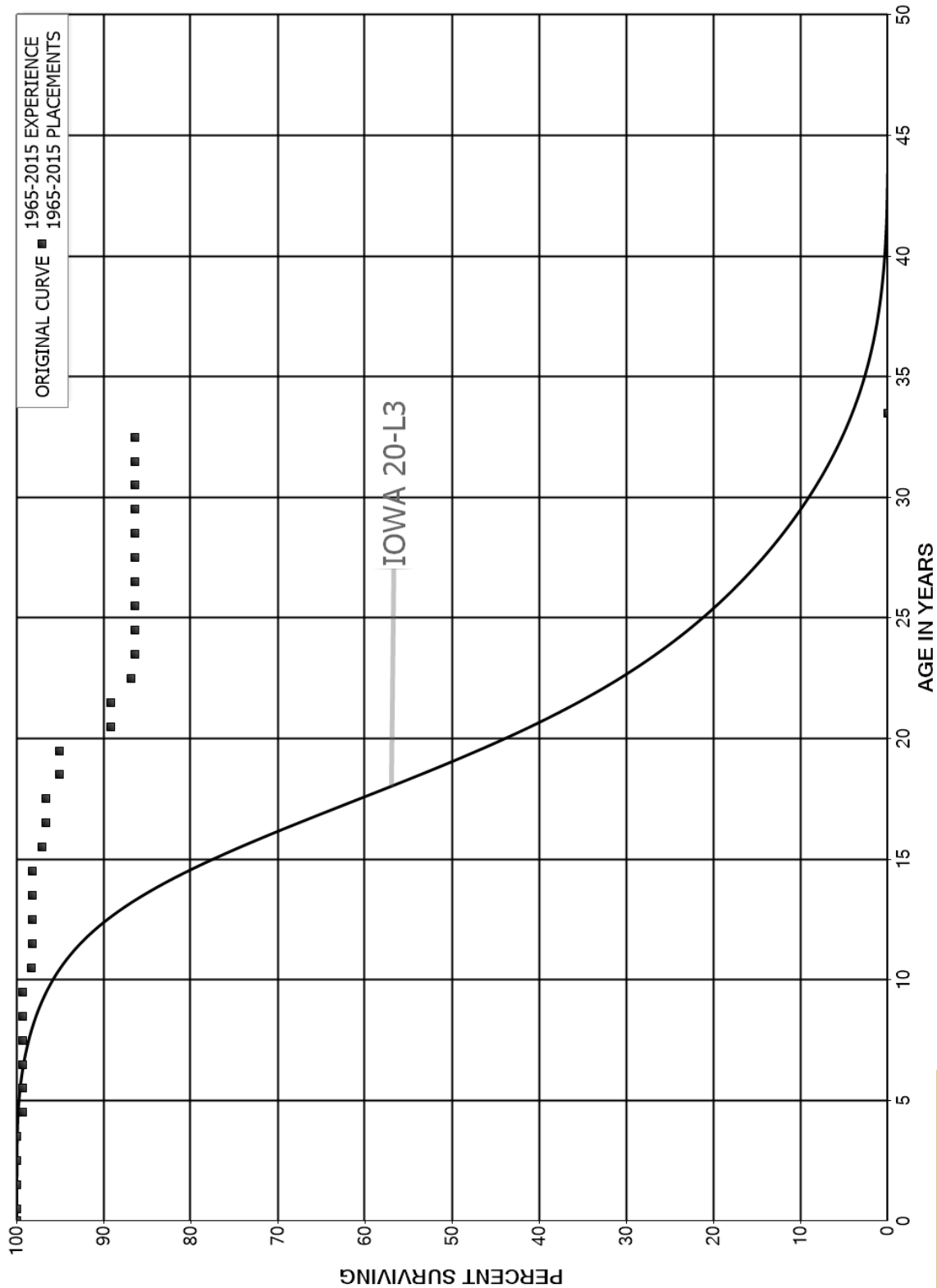
ACCOUNT M05 - METERING TANKS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2014			EXPERIENCE BAND 1966-2015		
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	20,957		0.0000	1.0000	84.97
40.5	20,957		0.0000	1.0000	84.97
41.5	20,957		0.0000	1.0000	84.97
42.5	20,957		0.0000	1.0000	84.97
43.5	13,595		0.0000	1.0000	84.97
44.5	13,595		0.0000	1.0000	84.97
45.5	9,614		0.0000	1.0000	84.97
46.5	9,614		0.0000	1.0000	84.97
47.5	2,500		0.0000	1.0000	84.97
48.5	2,500		0.0000	1.0000	84.97
49.5					84.97

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M06 - METERS - DIGITAL
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

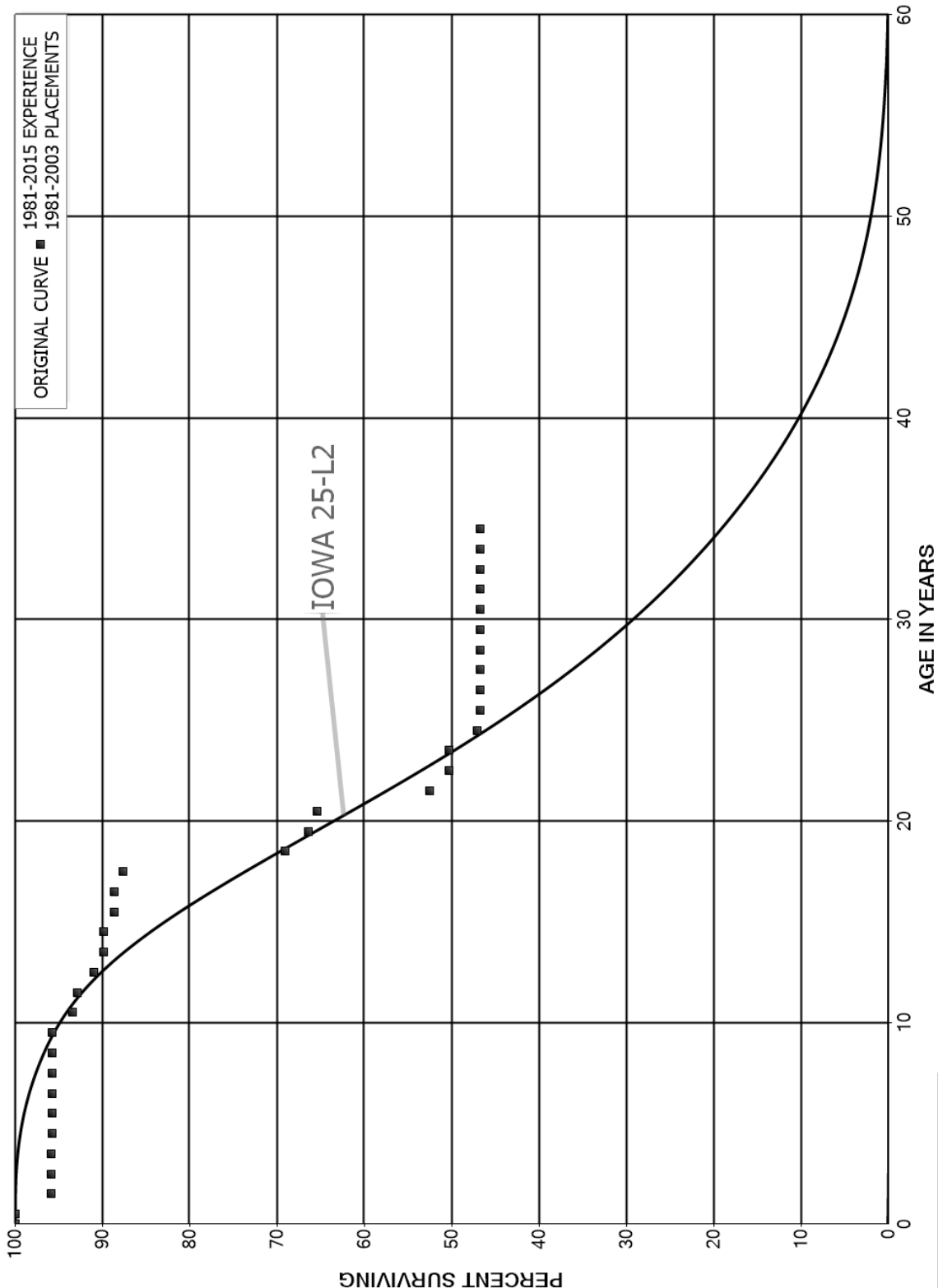
ACCOUNT M06 - METERS - DIGITAL

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	6,037,293		0.0000	1.0000	100.00
0.5	5,625,739		0.0000	1.0000	100.00
1.5	5,536,167		0.0000	1.0000	100.00
2.5	4,824,333		0.0000	1.0000	100.00
3.5	4,303,225	30,980	0.0072	0.9928	100.00
4.5	3,964,086		0.0000	1.0000	99.28
5.5	3,569,971		0.0000	1.0000	99.28
6.5	2,133,272		0.0000	1.0000	99.28
7.5	2,060,513		0.0000	1.0000	99.28
8.5	1,972,191		0.0000	1.0000	99.28
9.5	1,913,144	19,570	0.0102	0.9898	99.28
10.5	1,793,295	1,202	0.0007	0.9993	98.26
11.5	1,589,911		0.0000	1.0000	98.20
12.5	1,525,115		0.0000	1.0000	98.20
13.5	1,331,321		0.0000	1.0000	98.20
14.5	1,181,881	13,761	0.0116	0.9884	98.20
15.5	1,145,185	5,442	0.0048	0.9952	97.06
16.5	1,050,035		0.0000	1.0000	96.59
17.5	900,361	14,155	0.0157	0.9843	96.59
18.5	770,061		0.0000	1.0000	95.08
19.5	718,143	44,781	0.0624	0.9376	95.08
20.5	654,314		0.0000	1.0000	89.15
21.5	567,605	14,687	0.0259	0.9741	89.15
22.5	549,560	2,907	0.0053	0.9947	86.84
23.5	412,318		0.0000	1.0000	86.38
24.5	37,966		0.0000	1.0000	86.38
25.5	15,141		0.0000	1.0000	86.38
26.5	15,141		0.0000	1.0000	86.38
27.5	15,141		0.0000	1.0000	86.38
28.5	15,141		0.0000	1.0000	86.38
29.5	15,141		0.0000	1.0000	86.38
30.5	15,141		0.0000	1.0000	86.38
31.5	15,141		0.0000	1.0000	86.38
32.5	15,141	15,141	1.0000		86.38
33.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M07 - METERS - ANALOGUE
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

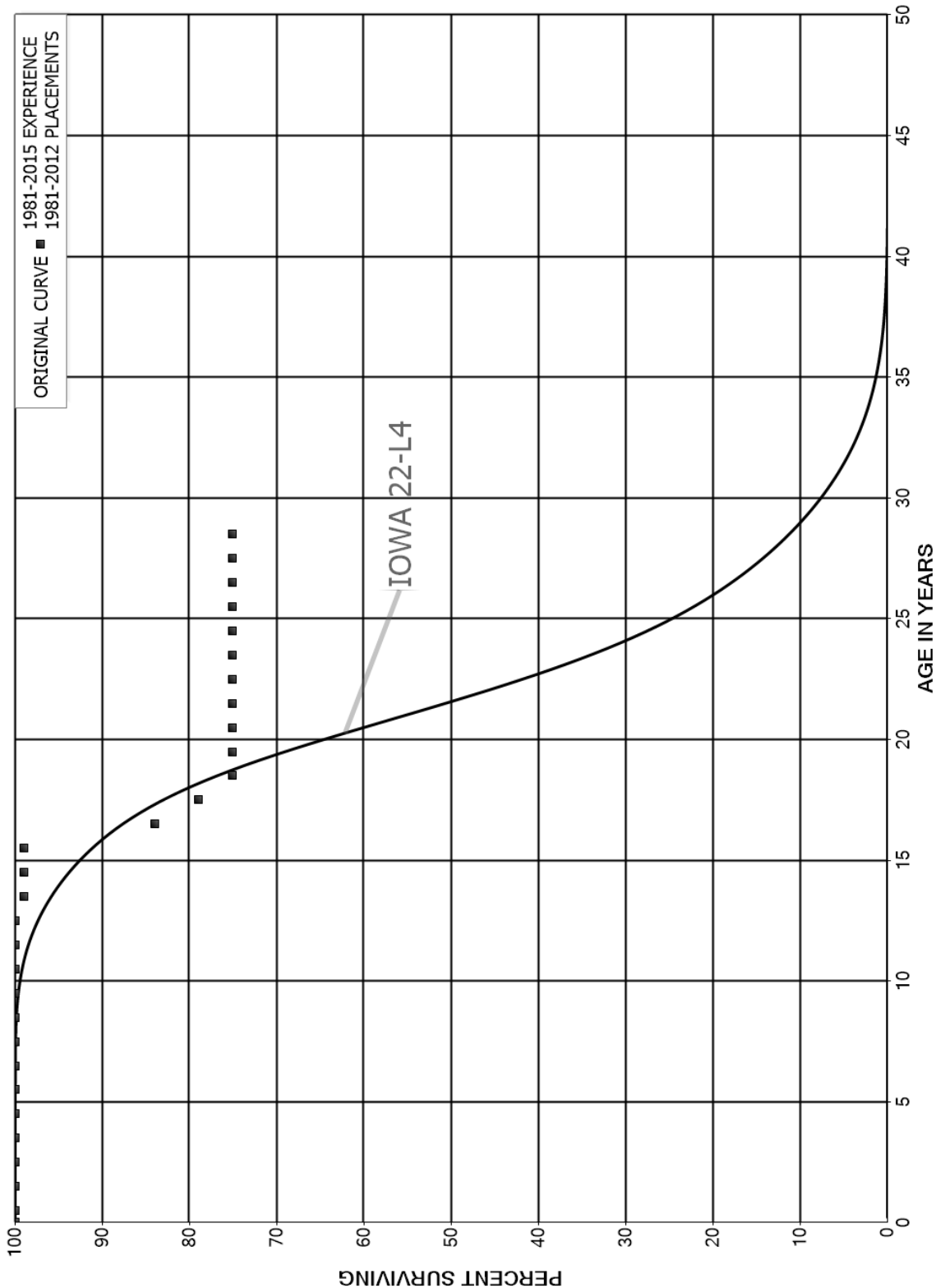
ACCOUNT M07 - METERS - ANALOGUE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1981-2003			EXPERIENCE BAND 1981-2015		
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	1,493,442		0.0000	1.0000	100.00
0.5	1,493,442	62,730	0.0420	0.9580	100.00
1.5	1,430,712		0.0000	1.0000	95.80
2.5	1,430,712		0.0000	1.0000	95.80
3.5	1,430,712	399	0.0003	0.9997	95.80
4.5	1,430,314		0.0000	1.0000	95.77
5.5	1,430,314		0.0000	1.0000	95.77
6.5	1,430,314	344	0.0002	0.9998	95.77
7.5	1,429,970	290	0.0002	0.9998	95.75
8.5	1,429,679		0.0000	1.0000	95.73
9.5	1,429,679	35,356	0.0247	0.9753	95.73
10.5	1,394,323	8,069	0.0058	0.9942	93.36
11.5	1,386,254	28,092	0.0203	0.9797	92.82
12.5	1,358,162	15,803	0.0116	0.9884	90.94
13.5	1,342,359		0.0000	1.0000	89.88
14.5	1,342,359	19,057	0.0142	0.9858	89.88
15.5	1,323,302	204	0.0002	0.9998	88.61
16.5	1,323,098	13,890	0.0105	0.9895	88.59
17.5	1,309,208	277,503	0.2120	0.7880	87.66
18.5	1,031,705	39,340	0.0381	0.9619	69.08
19.5	992,365	15,494	0.0156	0.9844	66.45
20.5	976,871	193,449	0.1980	0.8020	65.41
21.5	783,422	32,848	0.0419	0.9581	52.46
22.5	750,574		0.0000	1.0000	50.26
23.5	750,574	46,989	0.0626	0.9374	50.26
24.5	703,585	5,201	0.0074	0.9926	47.11
25.5	698,384		0.0000	1.0000	46.76
26.5	549,645		0.0000	1.0000	46.76
27.5	352,574		0.0000	1.0000	46.76
28.5	206,618		0.0000	1.0000	46.76
29.5	206,618		0.0000	1.0000	46.76
30.5	206,618		0.0000	1.0000	46.76
31.5	150,111		0.0000	1.0000	46.76
32.5	138,968		0.0000	1.0000	46.76
33.5	138,968		0.0000	1.0000	46.76
34.5					46.76

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M08 - METERS - OTHER
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

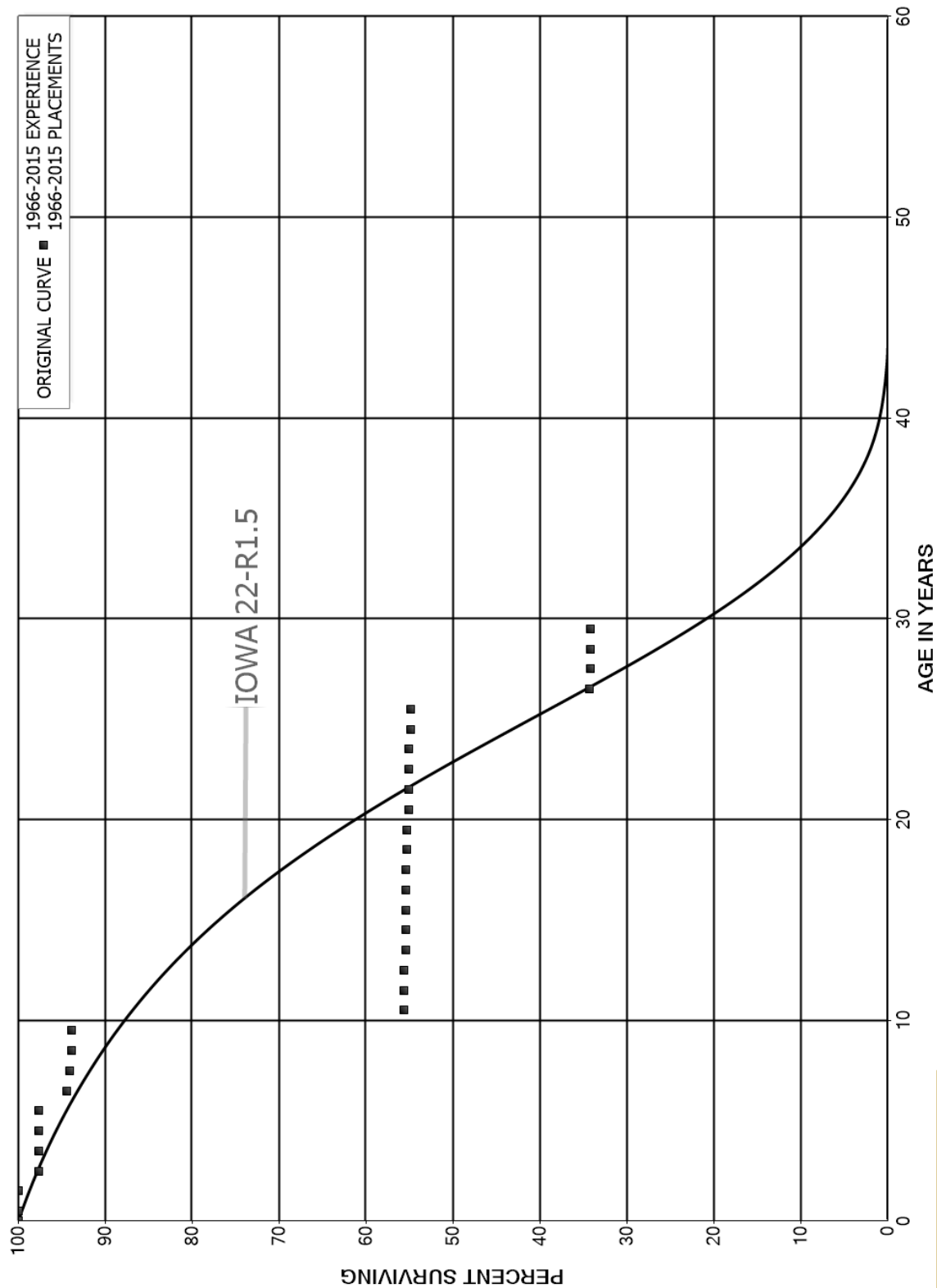
ACCOUNT M08 - METERS - OTHER

ORIGINAL LIFE TABLE

PLACEMENT BAND 1981-2012			EXPERIENCE BAND 1981-2015		
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	300,408		0.0000	1.0000	100.00
0.5	300,408		0.0000	1.0000	100.00
1.5	300,408		0.0000	1.0000	100.00
2.5	300,408		0.0000	1.0000	100.00
3.5	221,165		0.0000	1.0000	100.00
4.5	221,165		0.0000	1.0000	100.00
5.5	221,165		0.0000	1.0000	100.00
6.5	221,165		0.0000	1.0000	100.00
7.5	221,165		0.0000	1.0000	100.00
8.5	221,165		0.0000	1.0000	100.00
9.5	199,415		0.0000	1.0000	100.00
10.5	171,757		0.0000	1.0000	100.00
11.5	168,002		0.0000	1.0000	100.00
12.5	152,181	1,588	0.0104	0.9896	100.00
13.5	150,594		0.0000	1.0000	98.96
14.5	150,594		0.0000	1.0000	98.96
15.5	148,829	22,487	0.1511	0.8489	98.96
16.5	126,342	7,513	0.0595	0.9405	84.01
17.5	117,996	5,967	0.0506	0.9494	79.01
18.5	72,459		0.0000	1.0000	75.01
19.5	56,346		0.0000	1.0000	75.01
20.5	34,155		0.0000	1.0000	75.01
21.5	21,023		0.0000	1.0000	75.01
22.5	12,210		0.0000	1.0000	75.01
23.5	12,210		0.0000	1.0000	75.01
24.5	12,210		0.0000	1.0000	75.01
25.5	12,210		0.0000	1.0000	75.01
26.5	12,210		0.0000	1.0000	75.01
27.5	450		0.0000	1.0000	75.01
28.5					75.01

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M10 - MISCELLANEOUS UNITS OF PROPERTY
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M10 - MISCELLANEOUS UNITS OF PROPERTY

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	30,935,849		0.0000	1.0000	100.00
0.5	30,615,702	21,599	0.0007	0.9993	100.00
1.5	29,046,158	663,327	0.0228	0.9772	99.93
2.5	26,800,997		0.0000	1.0000	97.65
3.5	26,800,997		0.0000	1.0000	97.65
4.5	25,286,937	1,987	0.0001	0.9999	97.65
5.5	4,846,873	163,508	0.0337	0.9663	97.64
6.5	4,683,364	14,534	0.0031	0.9969	94.35
7.5	4,668,830	10,016	0.0021	0.9979	94.05
8.5	4,641,691		0.0000	1.0000	93.85
9.5	4,641,691	1,889,486	0.4071	0.5929	93.85
10.5	2,752,205		0.0000	1.0000	55.65
11.5	2,736,621		0.0000	1.0000	55.65
12.5	2,736,621	9,946	0.0036	0.9964	55.65
13.5	2,726,675		0.0000	1.0000	55.45
14.5	2,726,675		0.0000	1.0000	55.45
15.5	2,726,675		0.0000	1.0000	55.45
16.5	2,726,675	1,631	0.0006	0.9994	55.45
17.5	2,725,043	4,926	0.0018	0.9982	55.41
18.5	2,720,118	2,024	0.0007	0.9993	55.31
19.5	2,718,093	8,444	0.0031	0.9969	55.27
20.5	2,709,649		0.0000	1.0000	55.10
21.5	2,709,649	920	0.0003	0.9997	55.10
22.5	2,708,729		0.0000	1.0000	55.08
23.5	2,708,729	12,800	0.0047	0.9953	55.08
24.5	2,645,492		0.0000	1.0000	54.82
25.5	1,819,518	682,013	0.3748	0.6252	54.82
26.5	342,222	600	0.0018	0.9982	34.27
27.5	341,622		0.0000	1.0000	34.21
28.5	341,622		0.0000	1.0000	34.21
29.5	341,622		0.0000	1.0000	34.21
30.5	26,368	3,006	0.1140	0.8860	34.21
31.5	23,361		0.0000	1.0000	30.31
32.5	23,361		0.0000	1.0000	30.31
33.5	23,361		0.0000	1.0000	30.31
34.5	23,361		0.0000	1.0000	30.31
35.5	23,361	17,176	0.7352	0.2648	30.31
36.5	6,185		0.0000	1.0000	8.02
37.5	6,185		0.0000	1.0000	8.02
38.5	6,185		0.0000	1.0000	8.02

**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

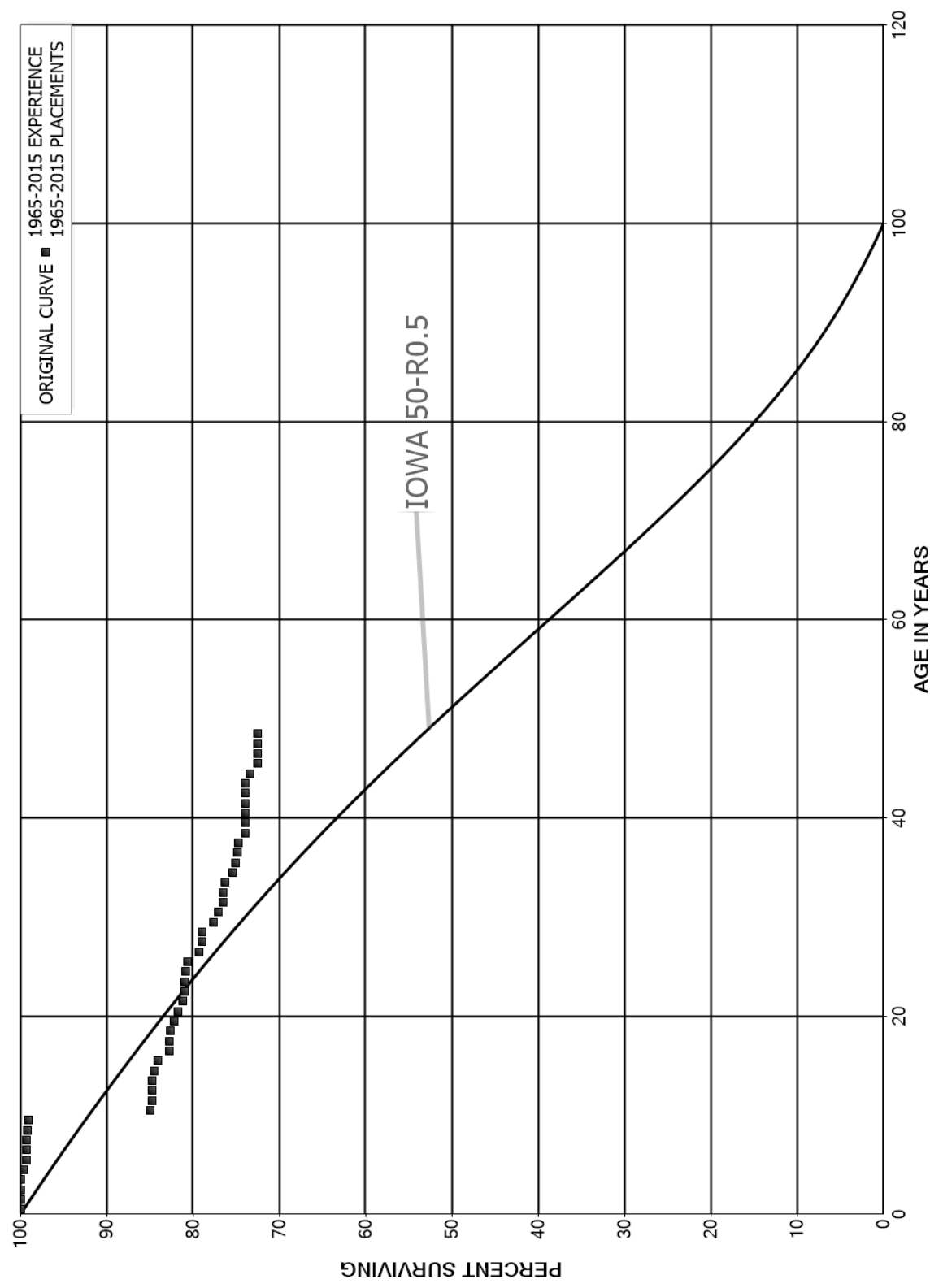
ACCOUNT M10 - MISCELLANEOUS UNITS OF PROPERTY

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	6,185		0.0000	1.0000	8.02
40.5	6,185		0.0000	1.0000	8.02
41.5	6,185		0.0000	1.0000	8.02
42.5	6,185		0.0000	1.0000	8.02
43.5	6,185		0.0000	1.0000	8.02
44.5	6,185		0.0000	1.0000	8.02
45.5					8.02

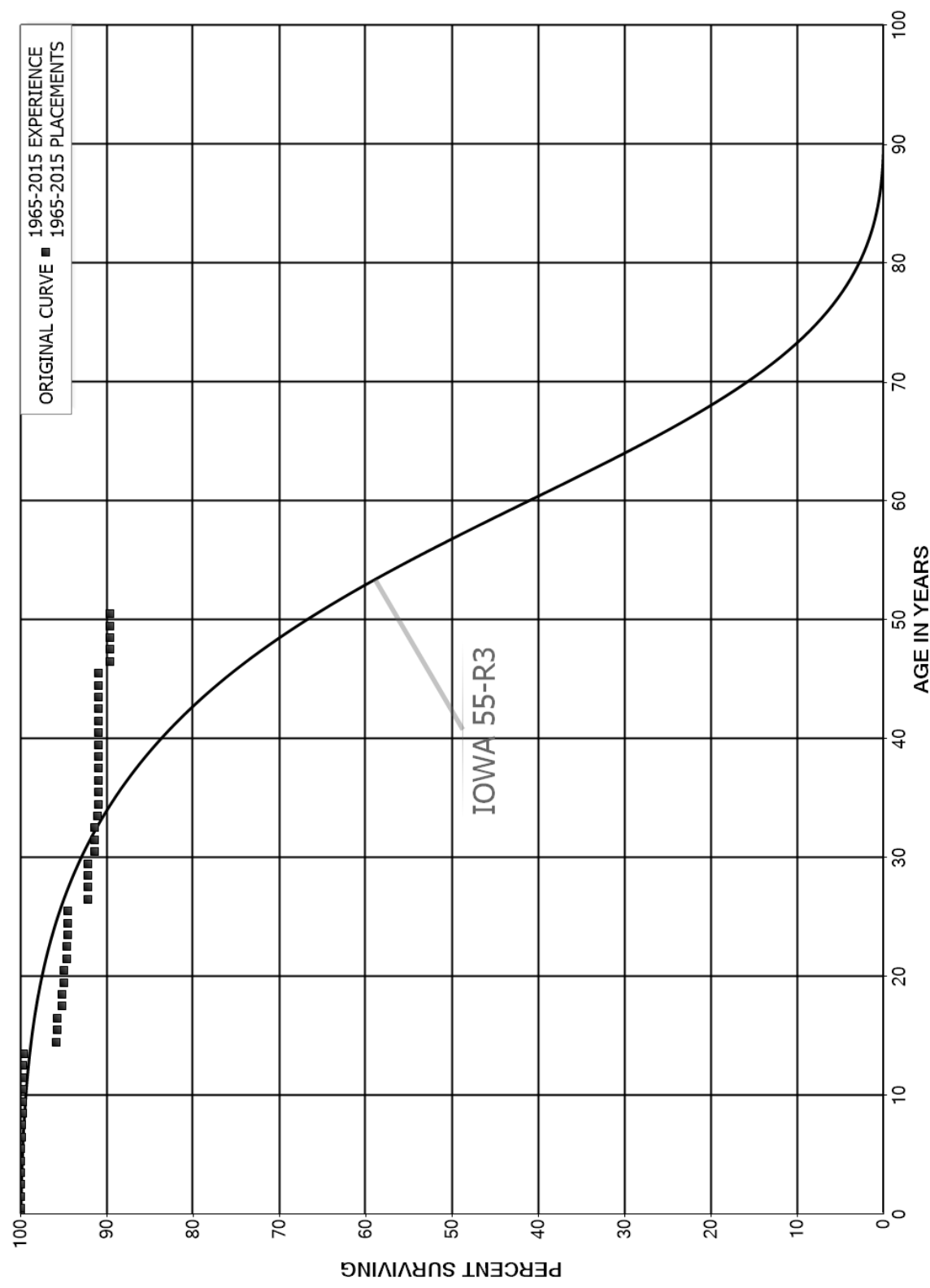
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT B05 - BUILDINGS - OTHER
ORIGINAL AND SMOOTH SURVIVOR CURVES



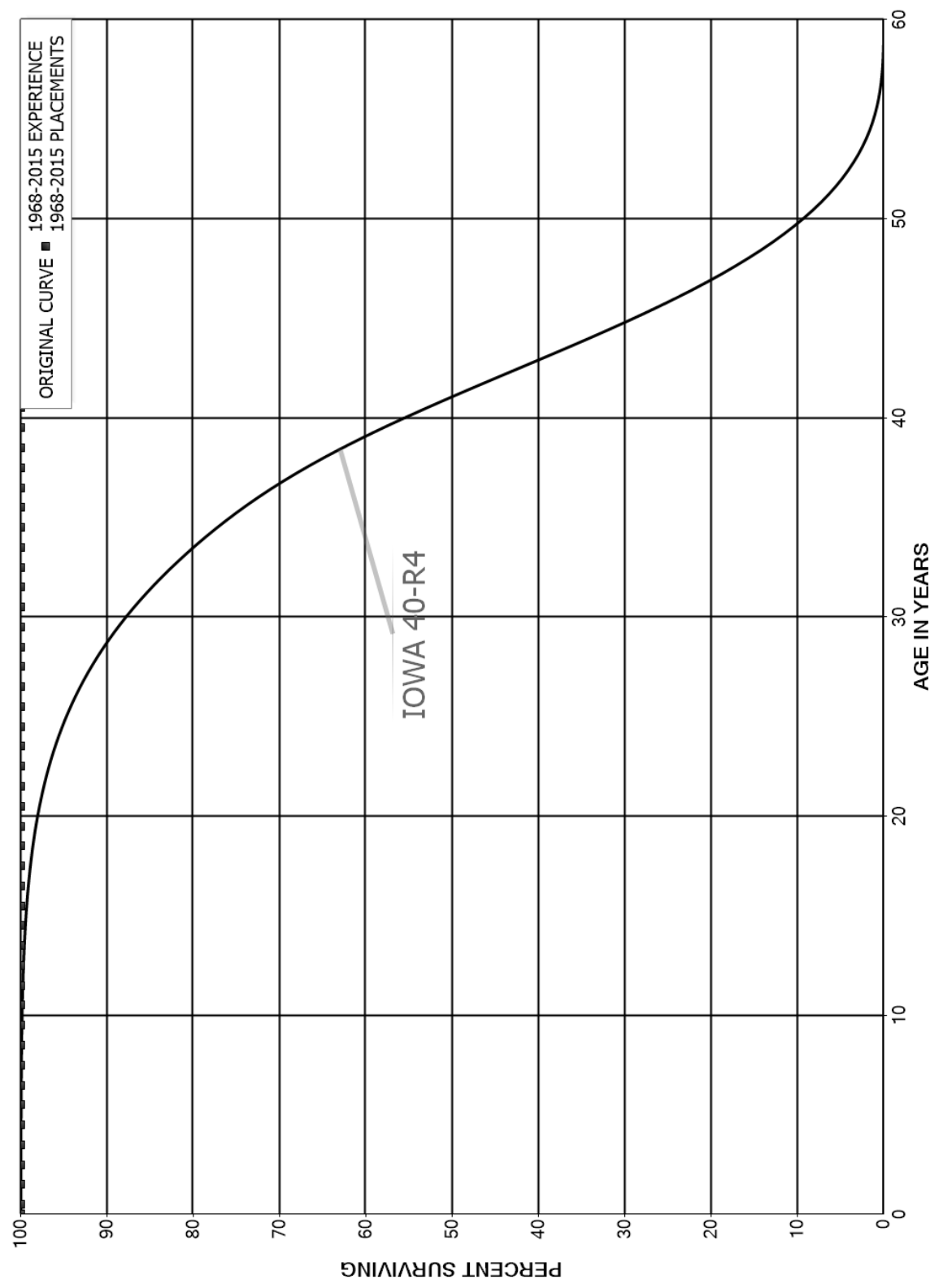
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT B06 - BUILDINGS - METAL
ORIGINAL AND SMOOTH SURVIVOR CURVES



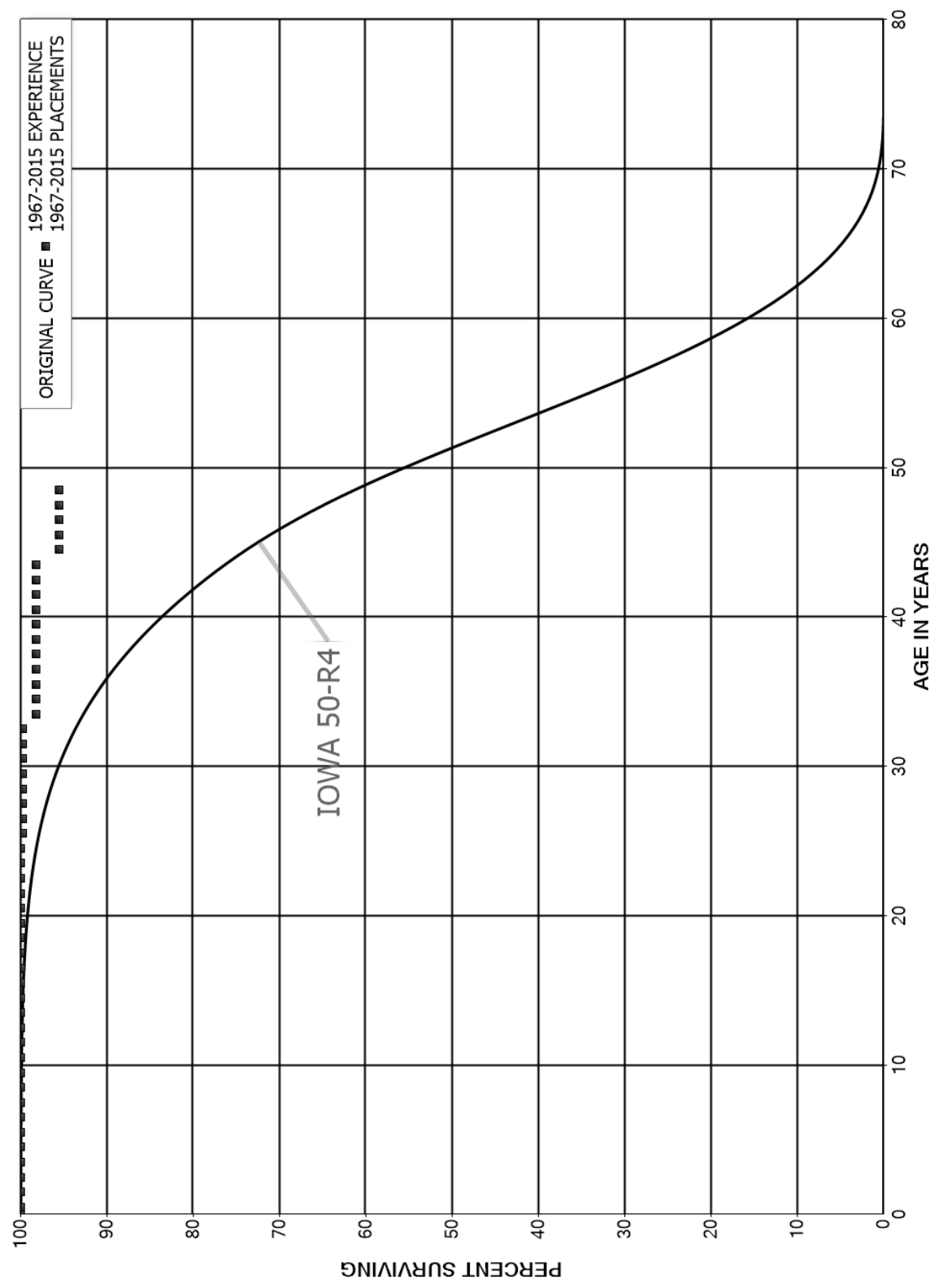
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT B07 - BUS DUCT GENERATOR
ORIGINAL AND SMOOTH SURVIVOR CURVES



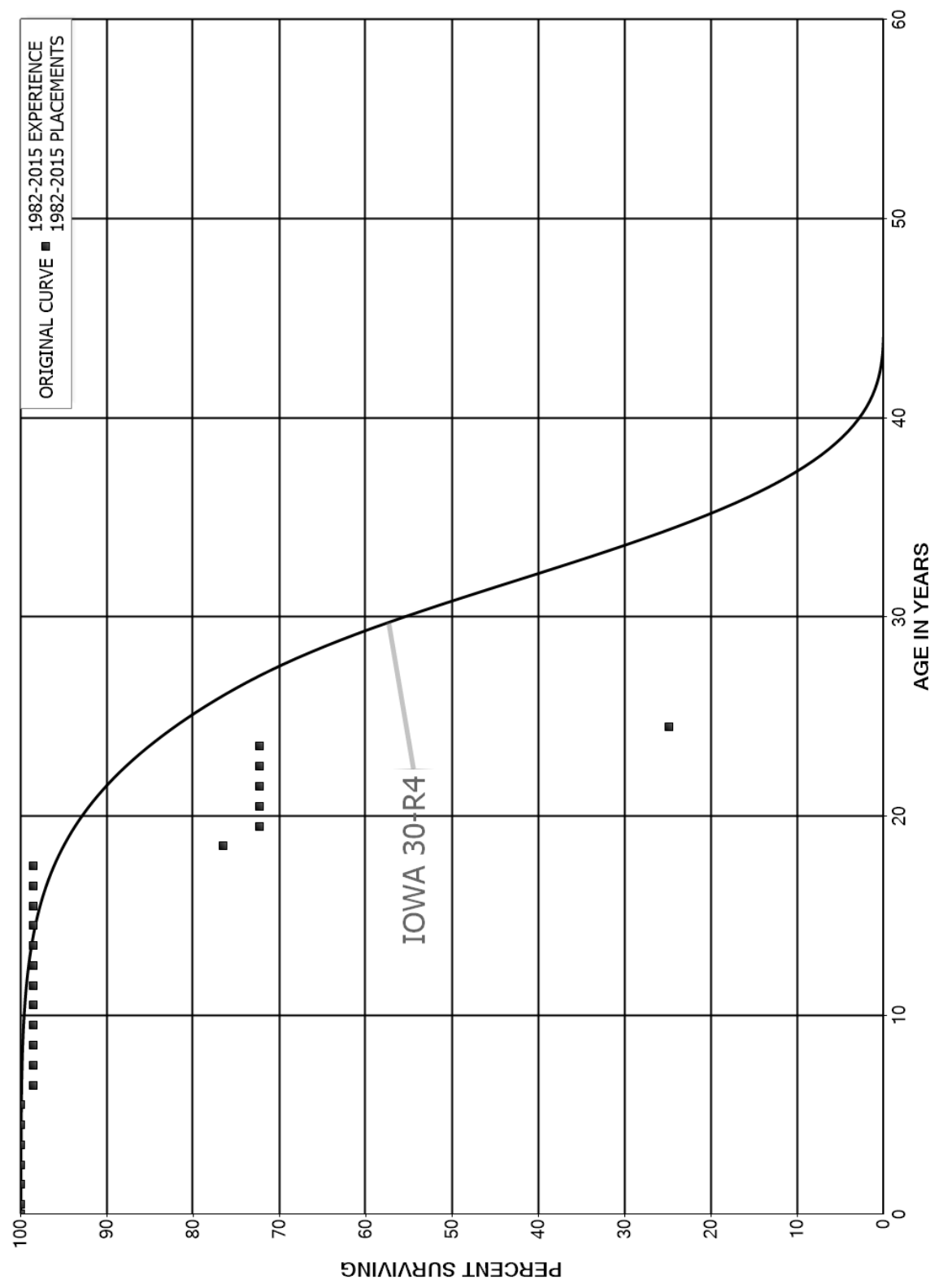
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT B08 - BUSWORK AND HARDWARE
ORIGINAL AND SMOOTH SURVIVOR CURVES



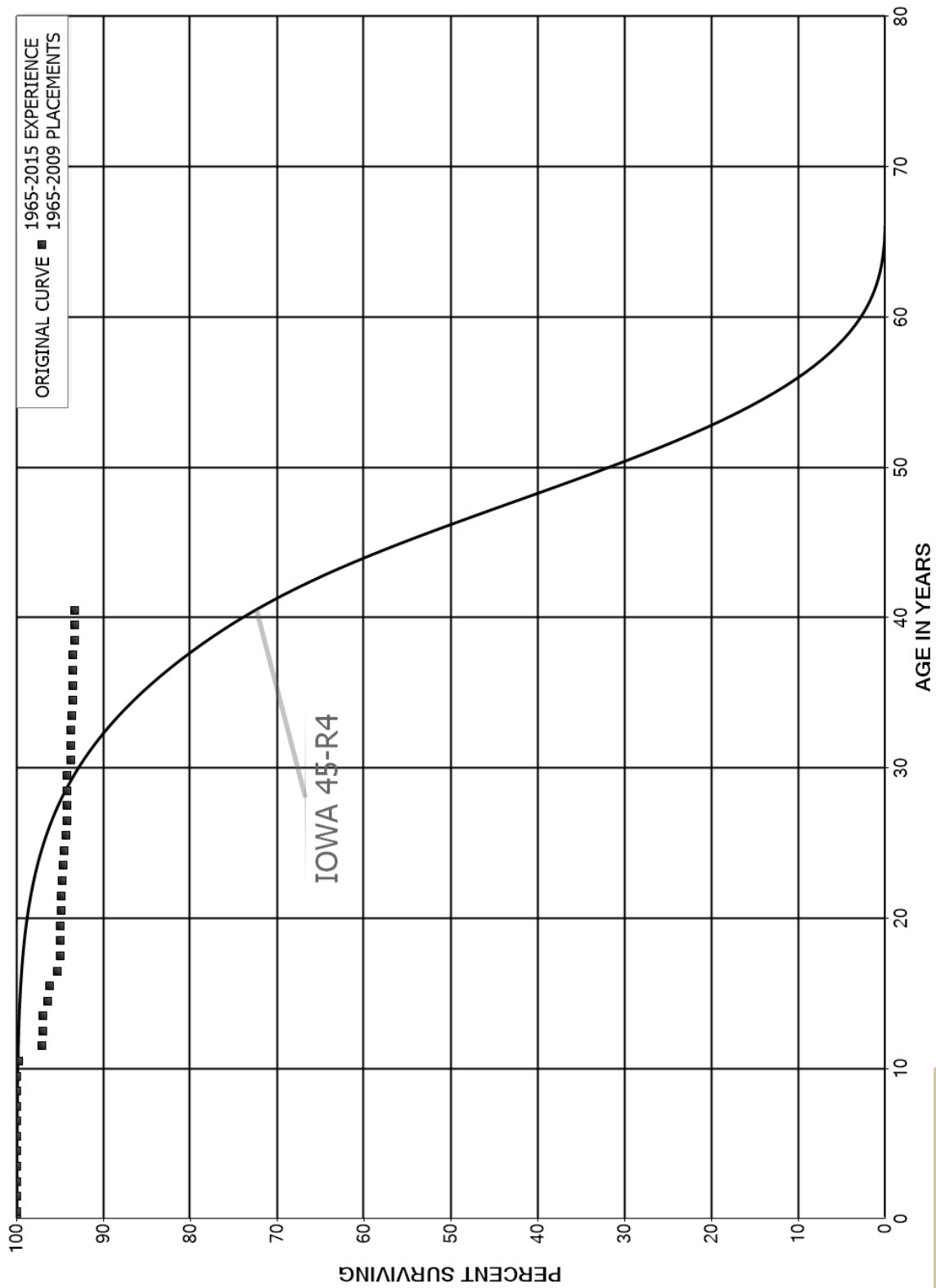
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C01 - CABLES - TELECONTROL
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

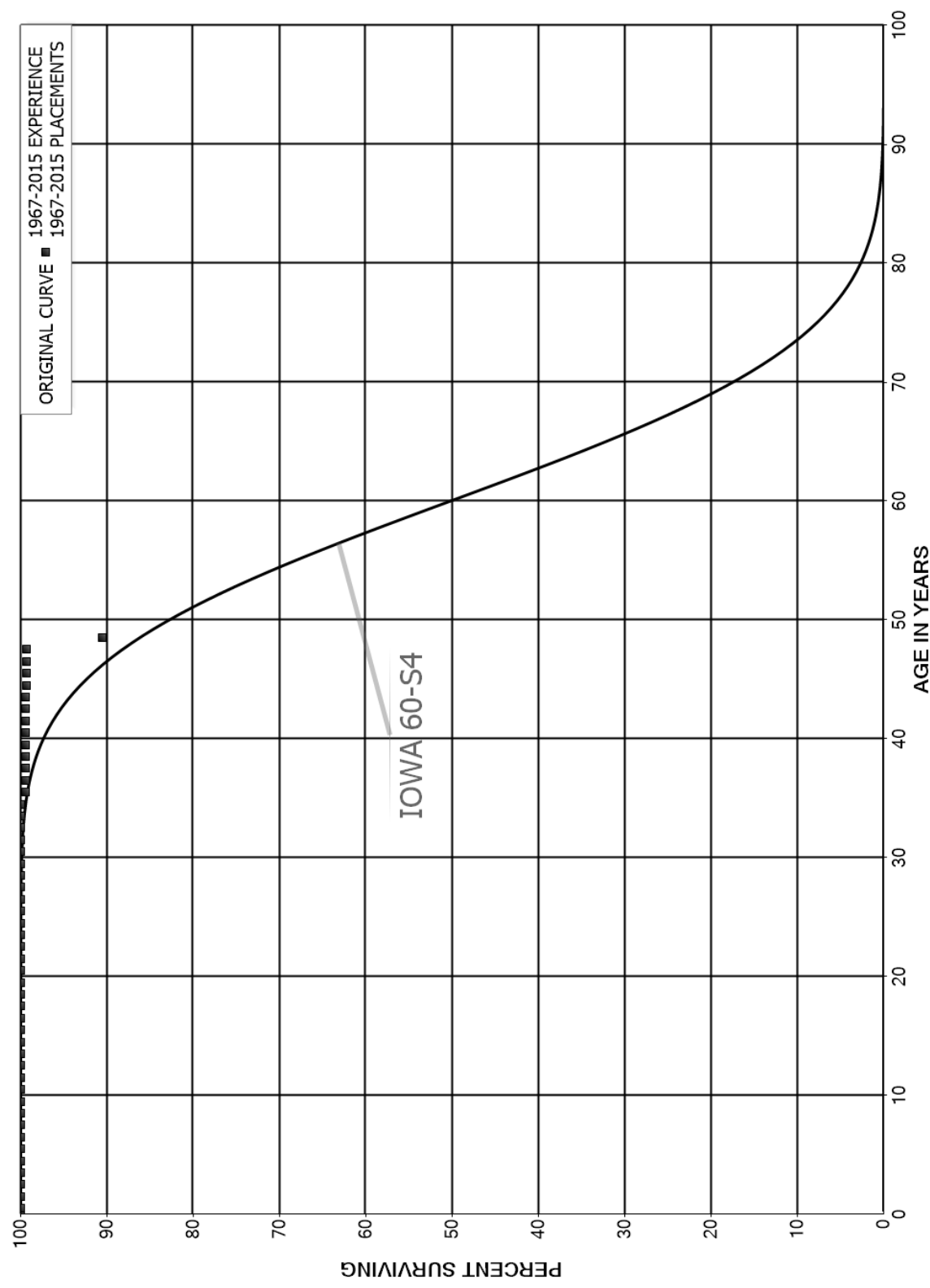
NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C02 - CABLE - SUBMARINE
ORIGINAL AND SMOOTH SURVIVOR CURVES



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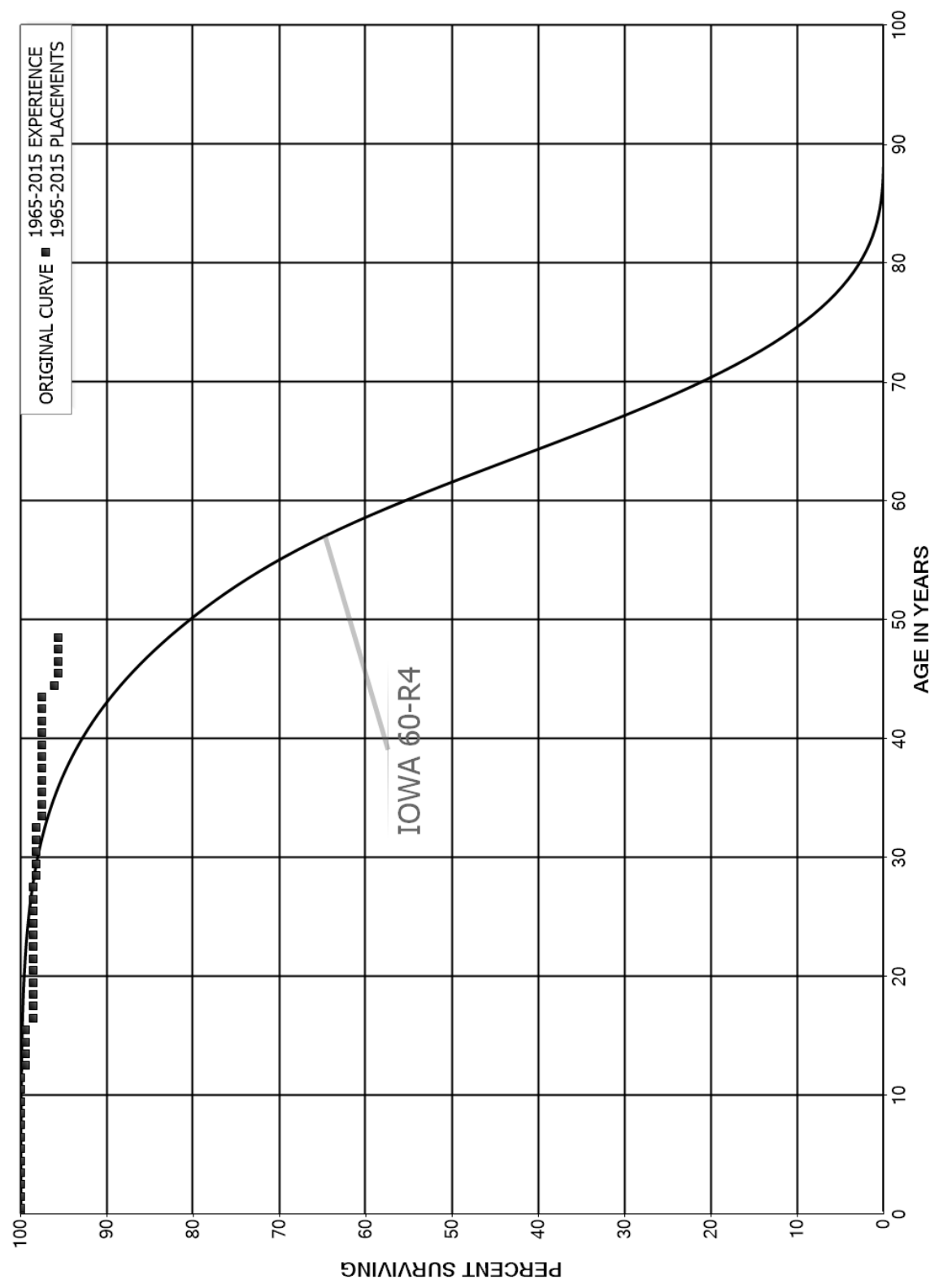
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C03 - CABLE - UNDERGROUND
ORIGINAL AND SMOOTH SURVIVOR CURVES

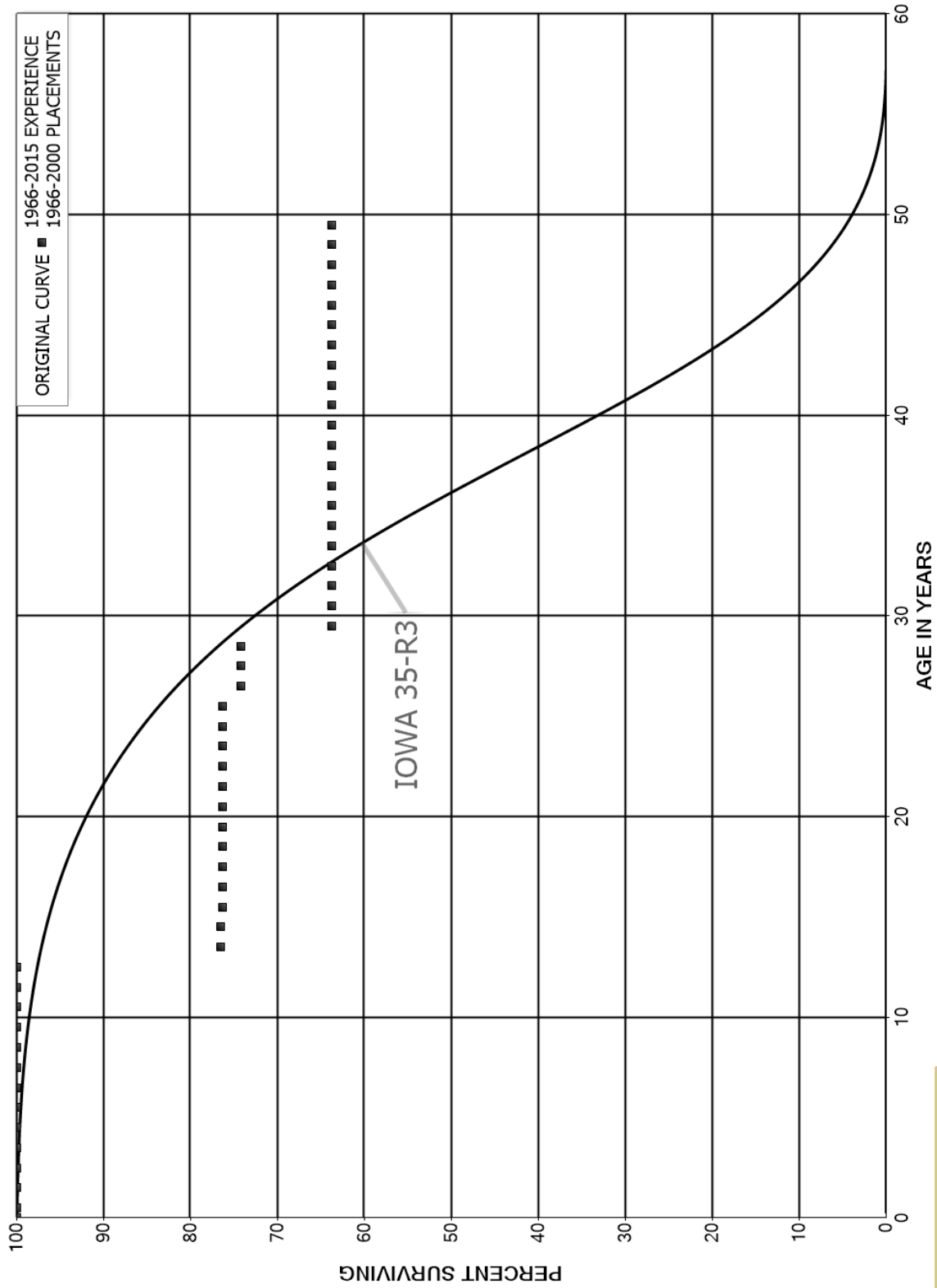


NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C04 - CABLE - ABOVE GROUND
ORIGINAL AND SMOOTH SURVIVOR CURVES

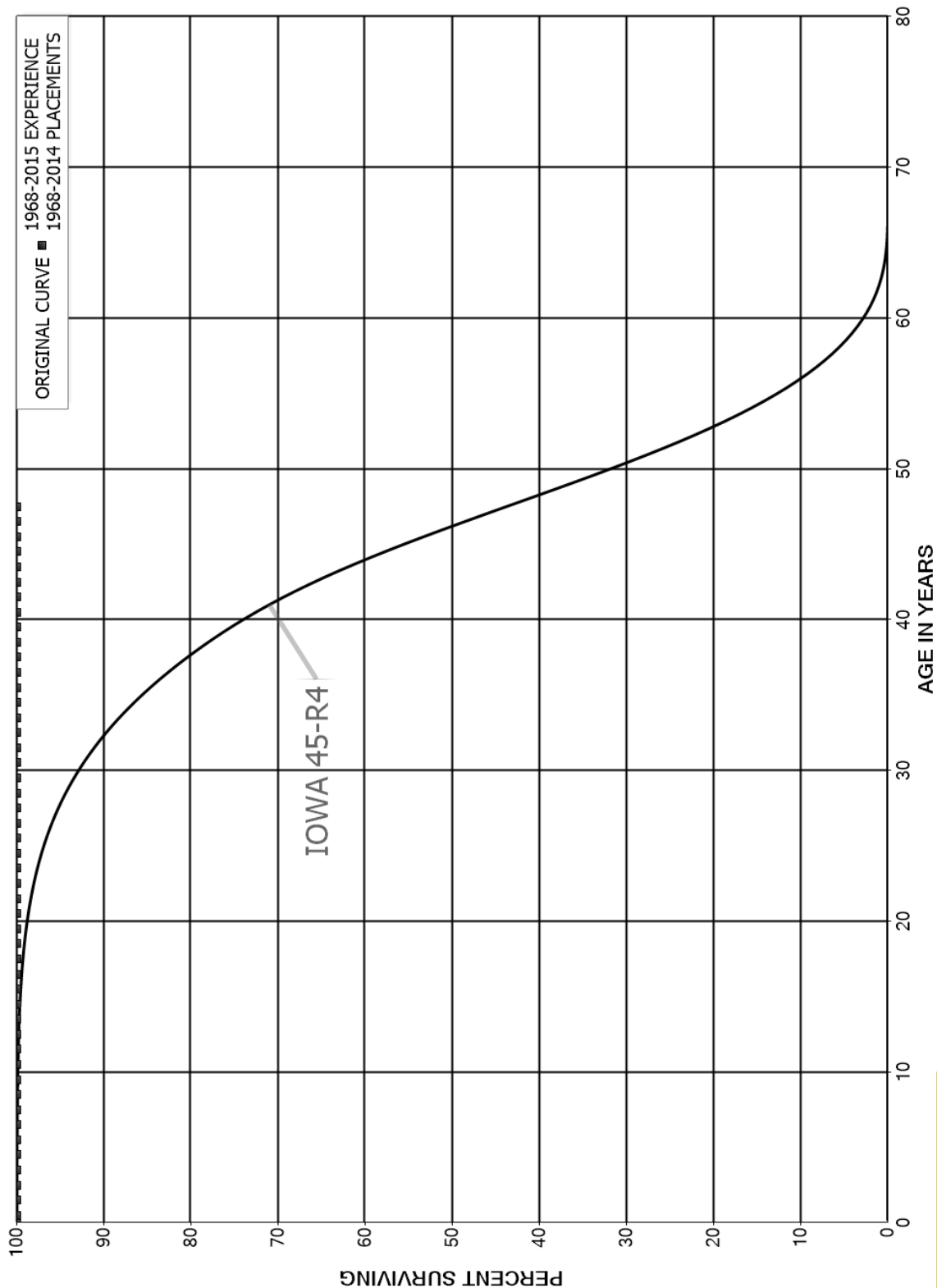


NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C06 - CAPACITORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



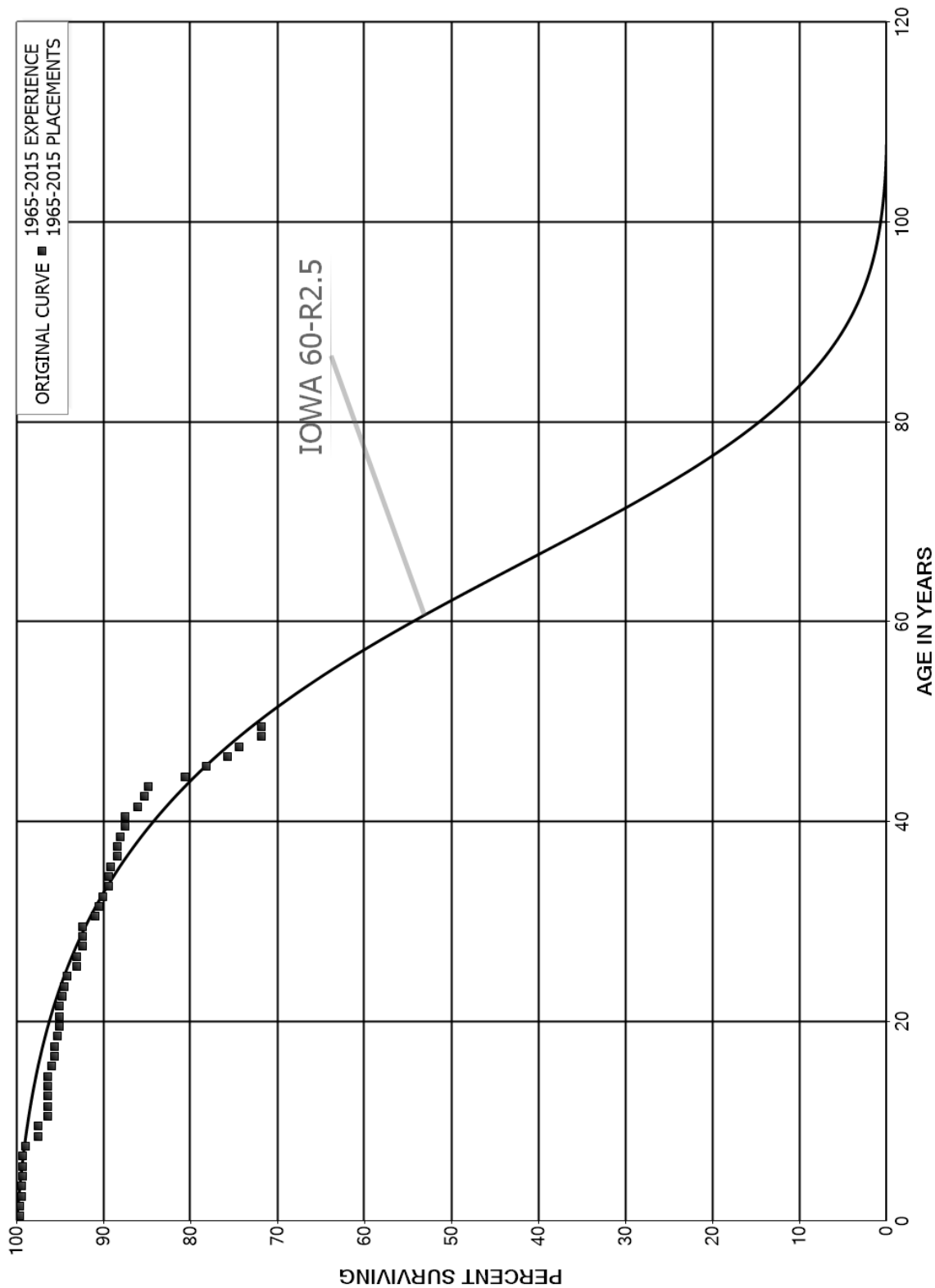
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C07 - CHEMICAL FEED SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



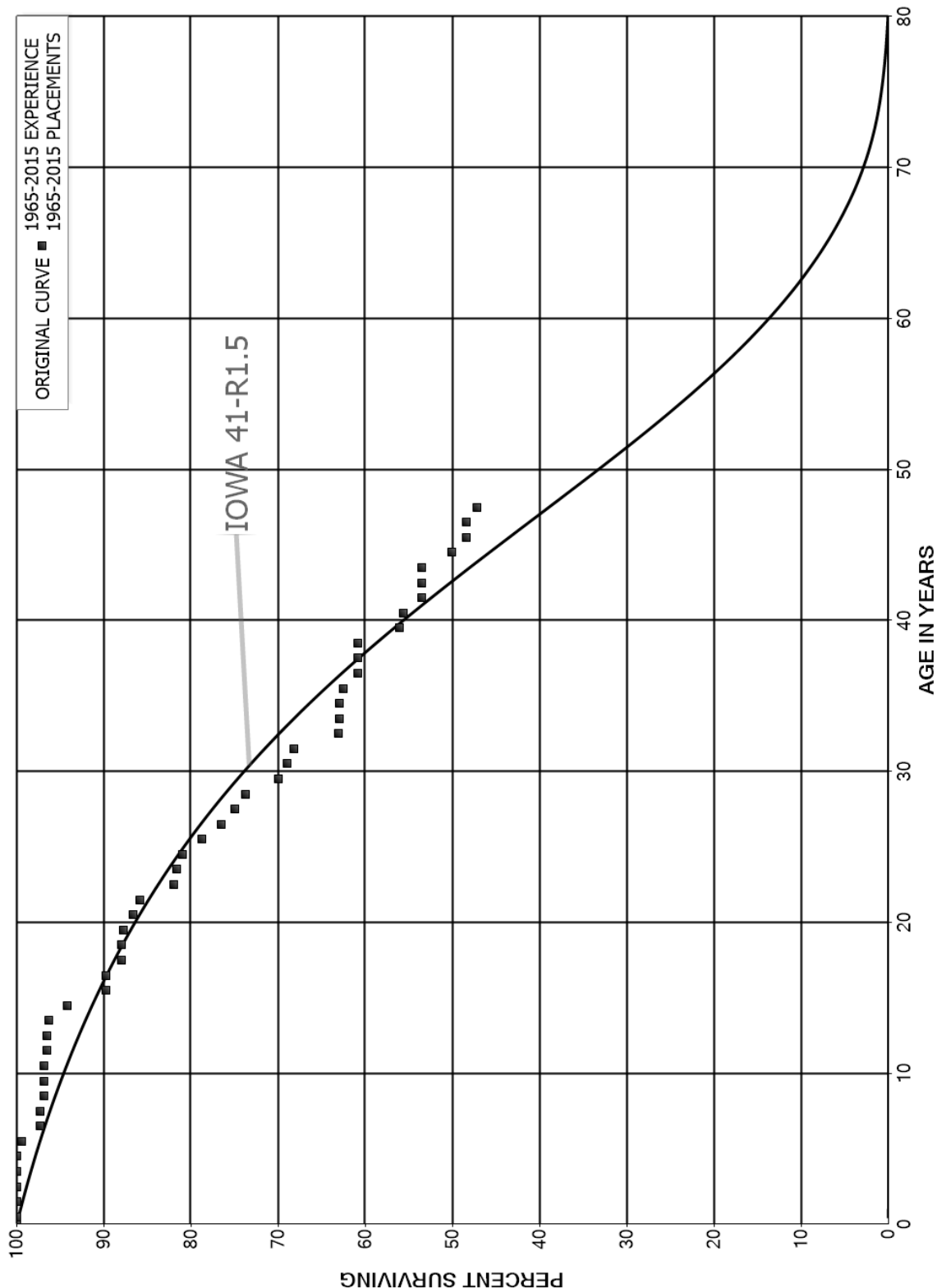
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C09 - CIRCUIT BREAKERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



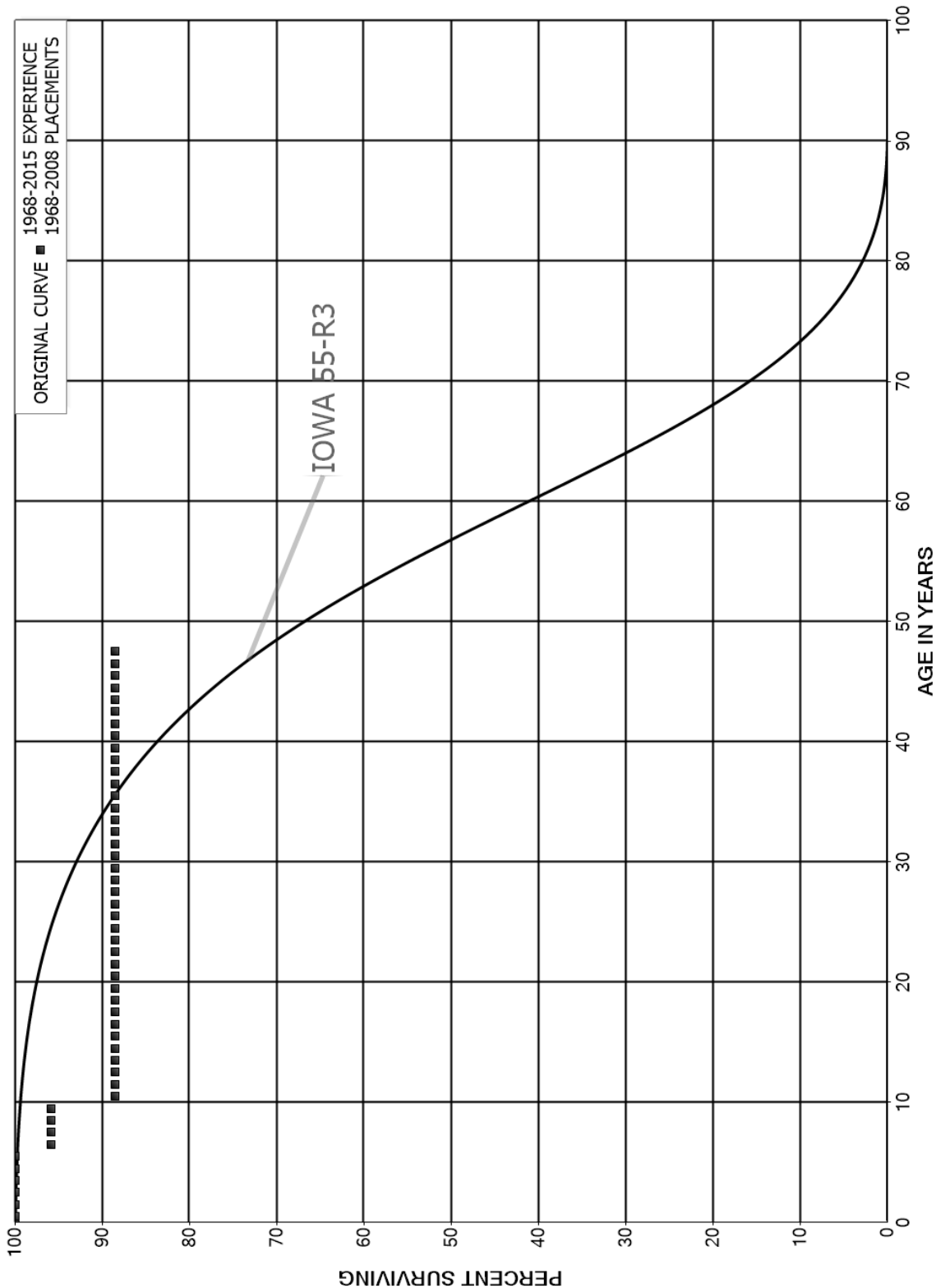
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C10 - COMPRESSED AIR SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



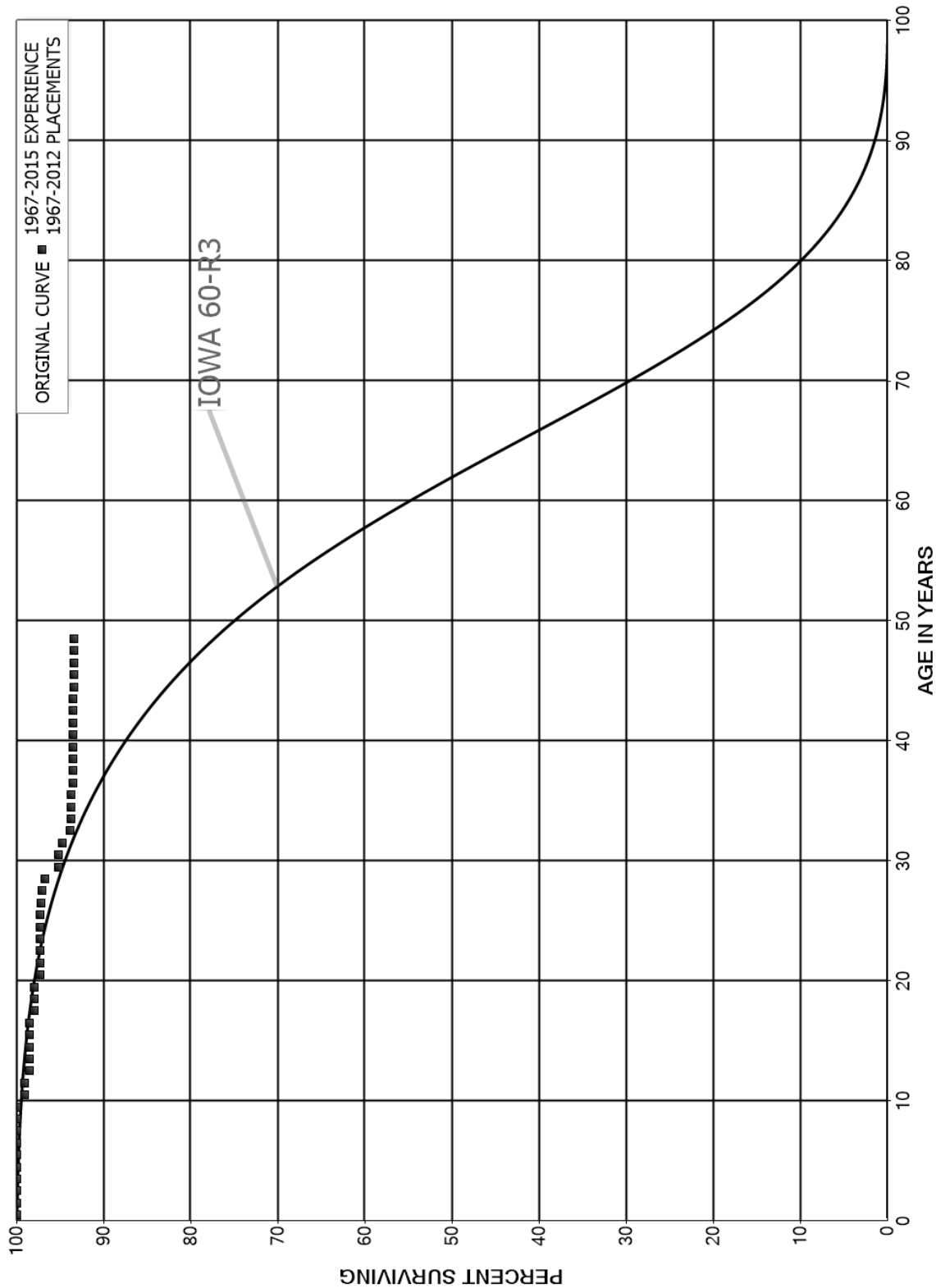
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C12 - CONDENSERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



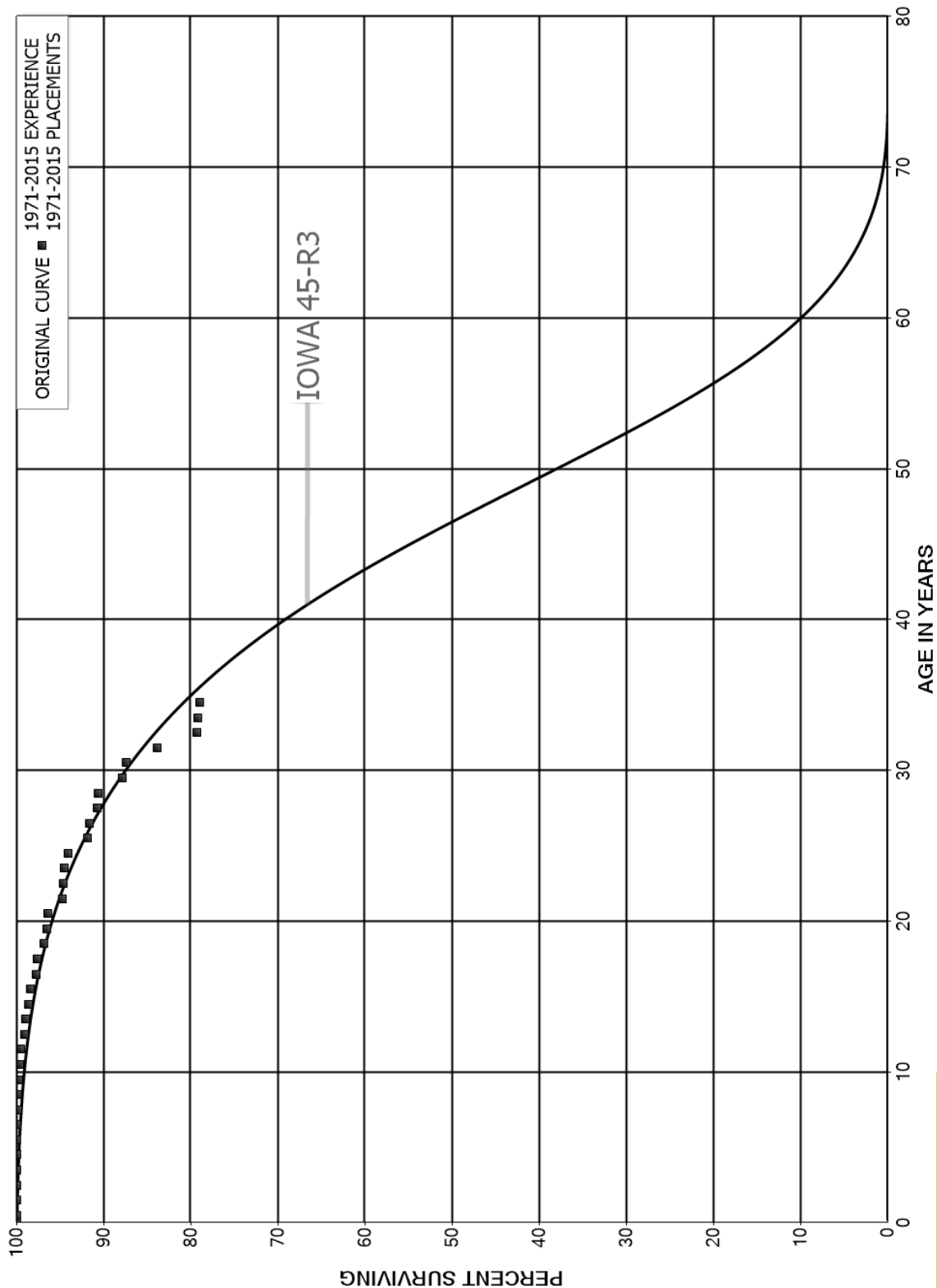
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C13 - CONDUCTOR
ORIGINAL AND SMOOTH SURVIVOR CURVES



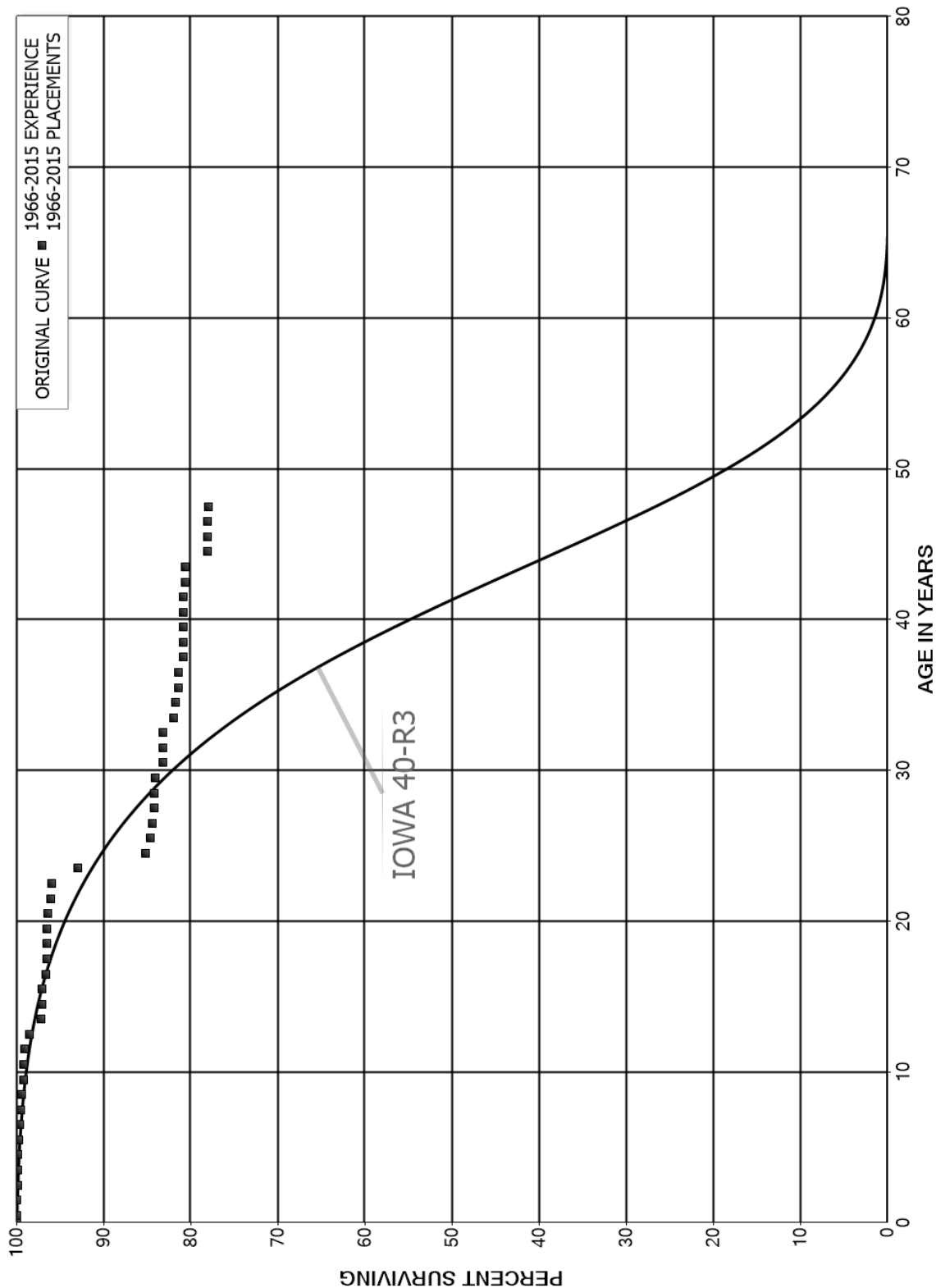
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C14 - CONDUCTOR - DISTRIBUTION
ORIGINAL AND SMOOTH SURVIVOR CURVES



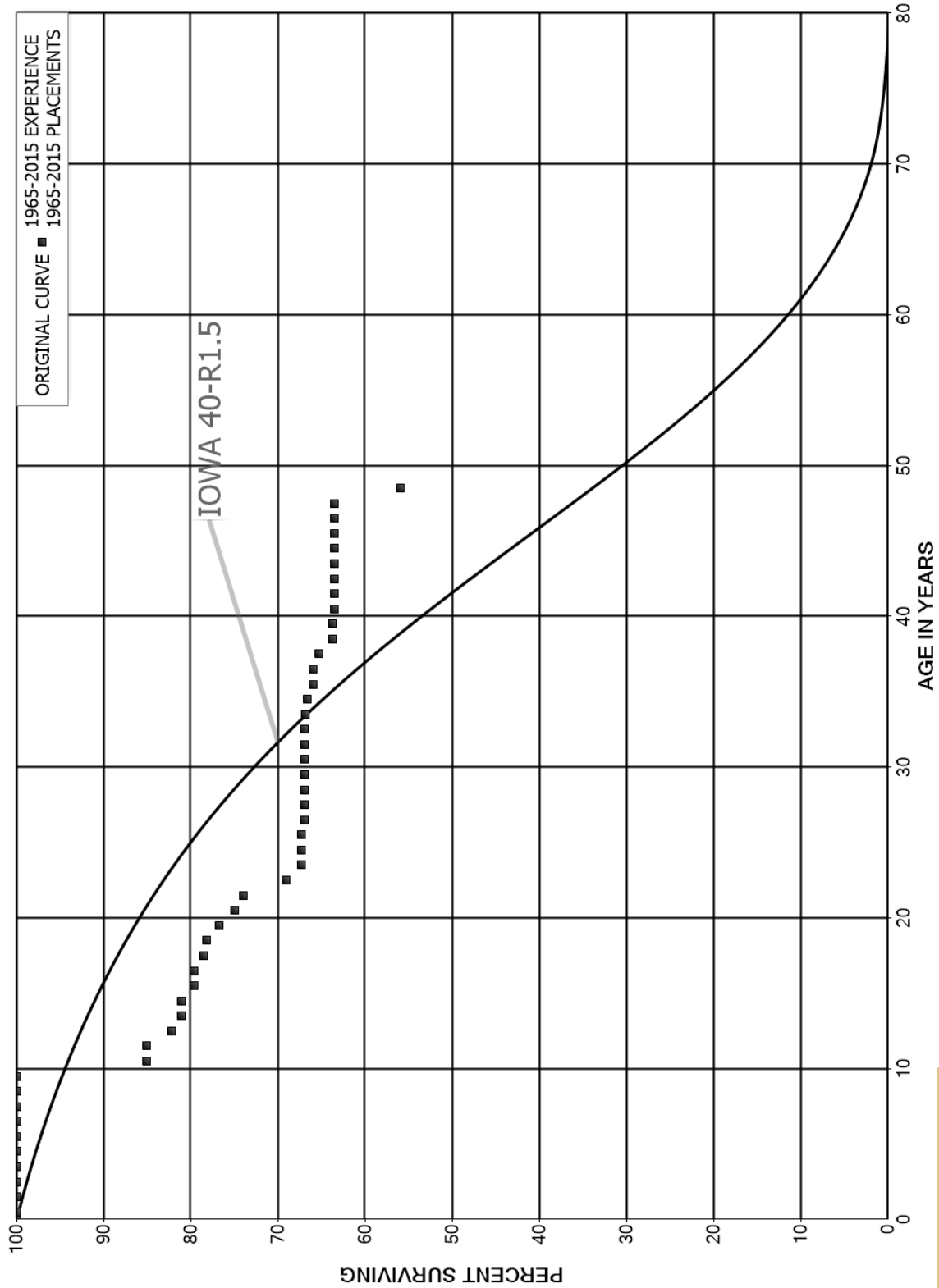
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C15 - CONTROL, METER / RELAYING
ORIGINAL AND SMOOTH SURVIVOR CURVES



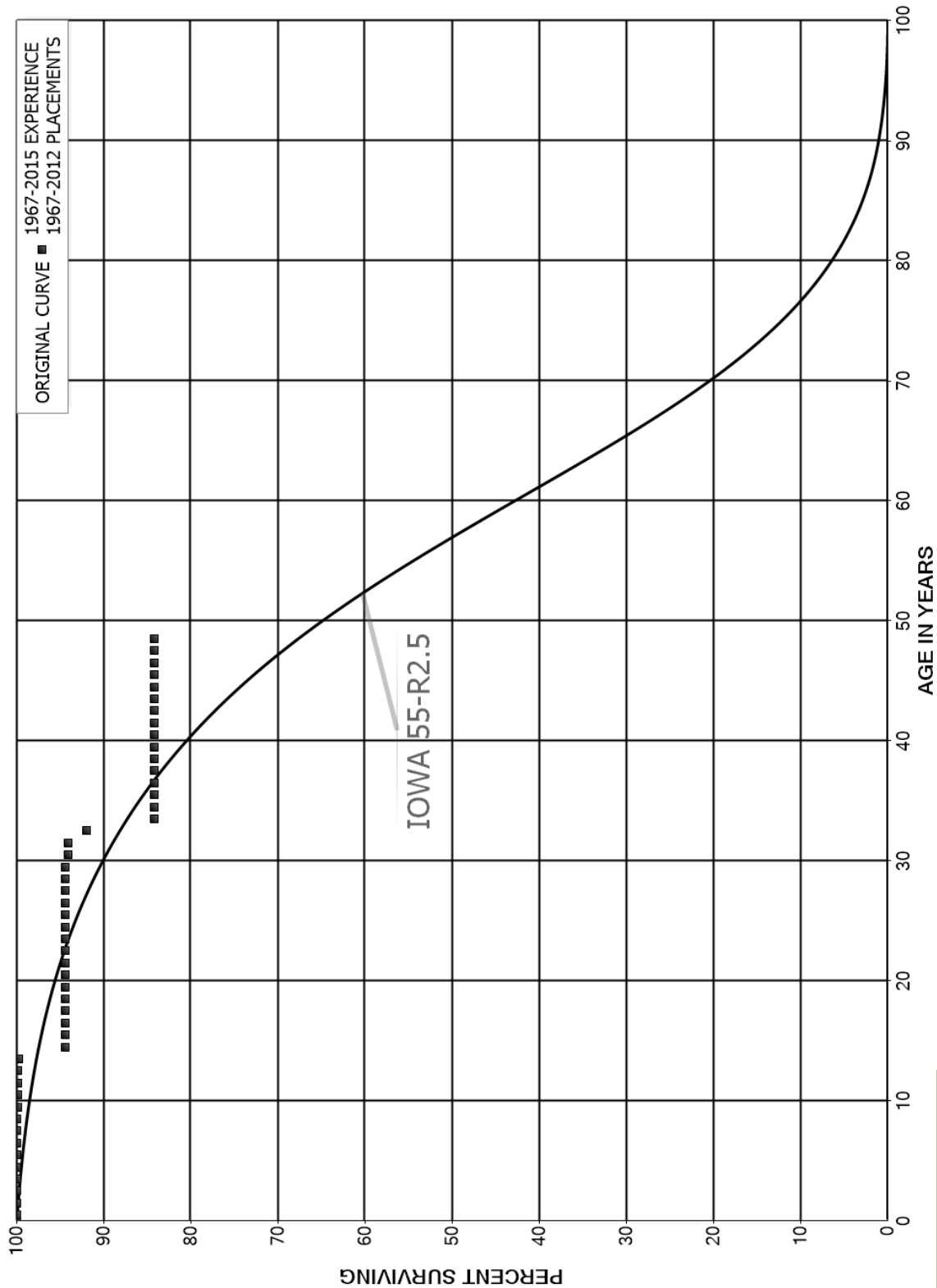
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C16 - COOLING SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



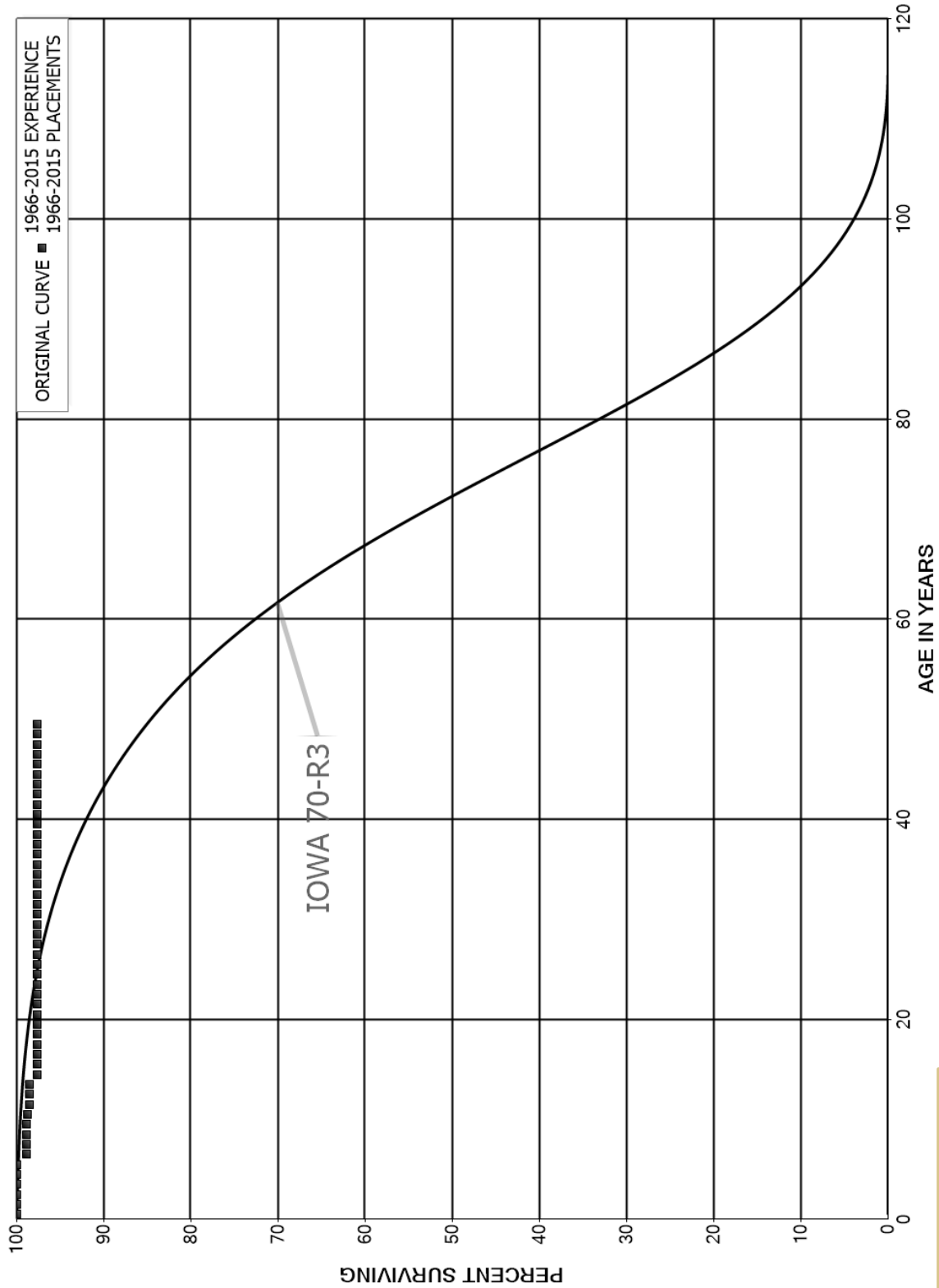
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C17 - COUNTERPOISE
ORIGINAL AND SMOOTH SURVIVOR CURVES



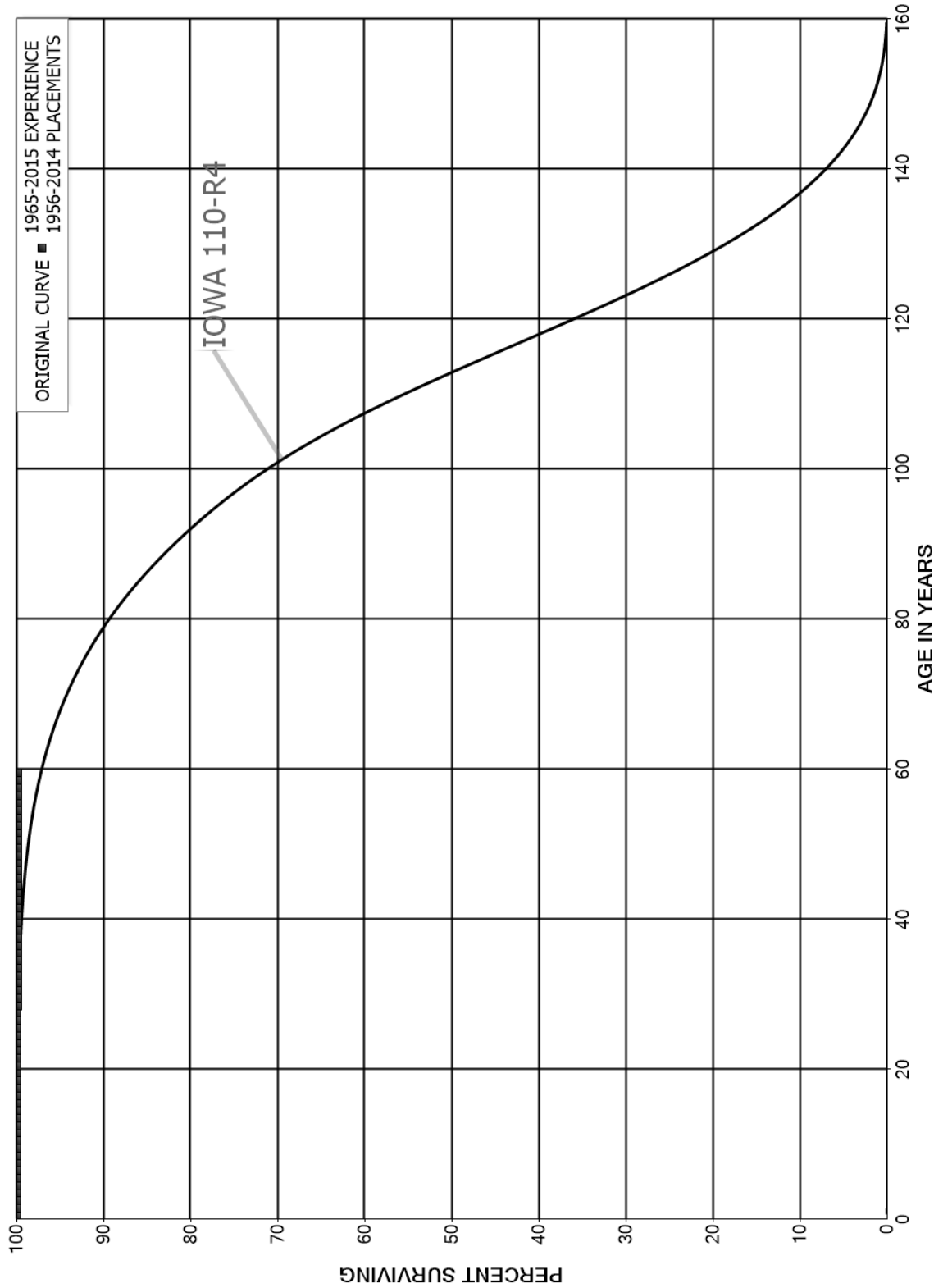
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT C18 - CRANES
ORIGINAL AND SMOOTH SURVIVOR CURVES



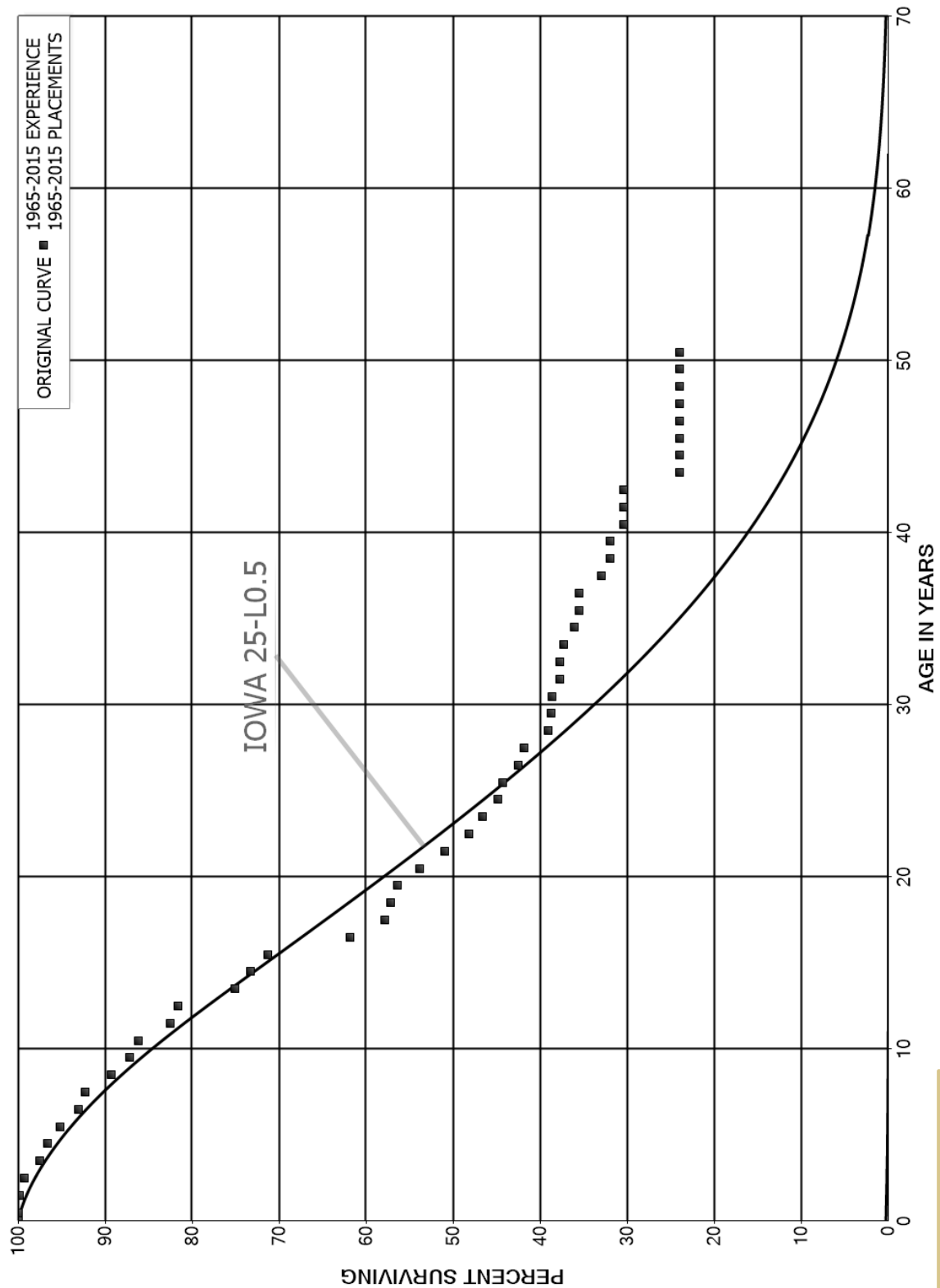
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT D01 - DAMS AND DIKES
ORIGINAL AND SMOOTH SURVIVOR CURVES



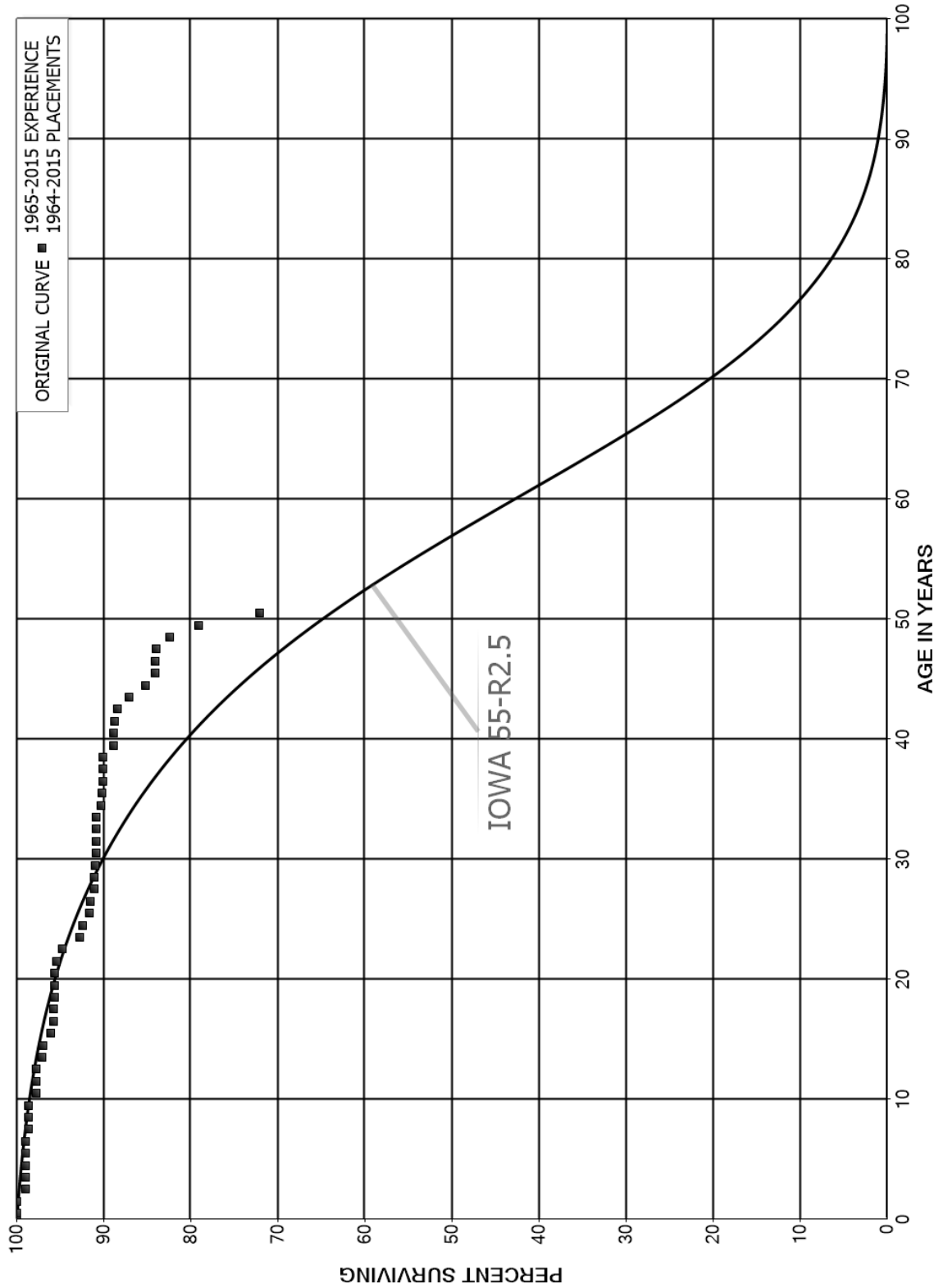
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT D02 - DIESEL SYSTEMS AND ENGINES
ORIGINAL AND SMOOTH SURVIVOR CURVES



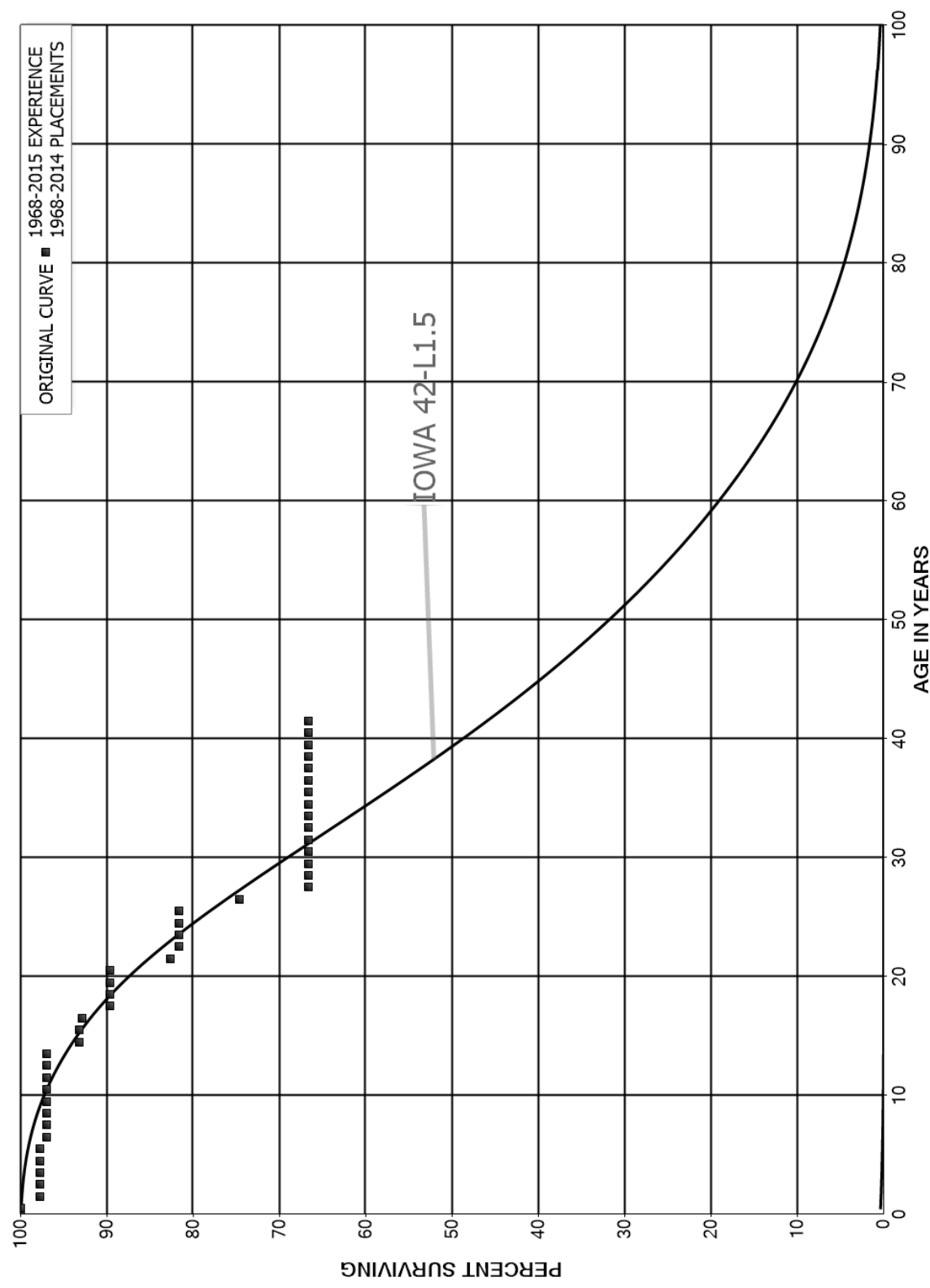
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT D03 - DISCONNECT SWITCHES
ORIGINAL AND SMOOTH SURVIVOR CURVES



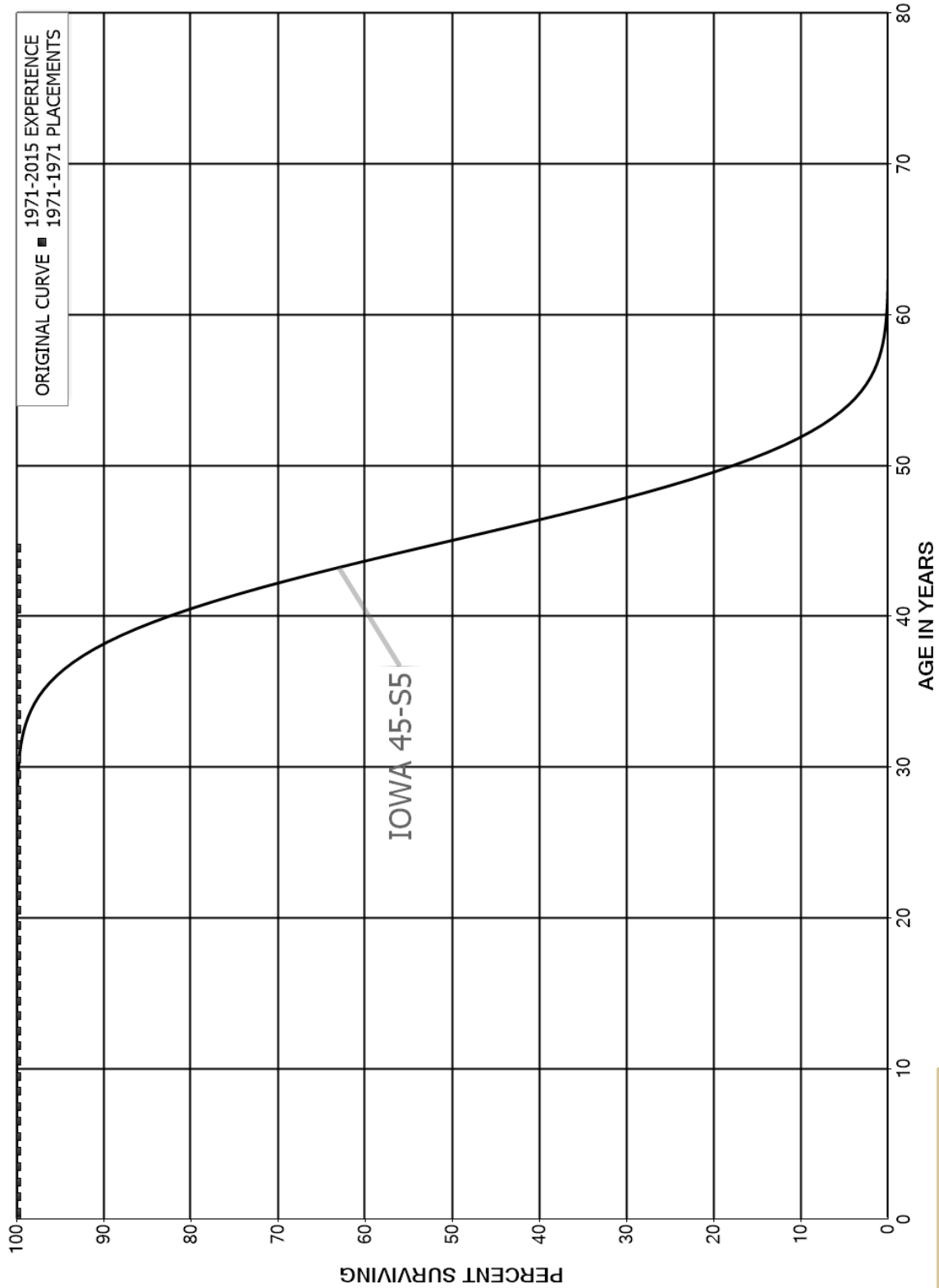
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT D04 - DYKES AND LINERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



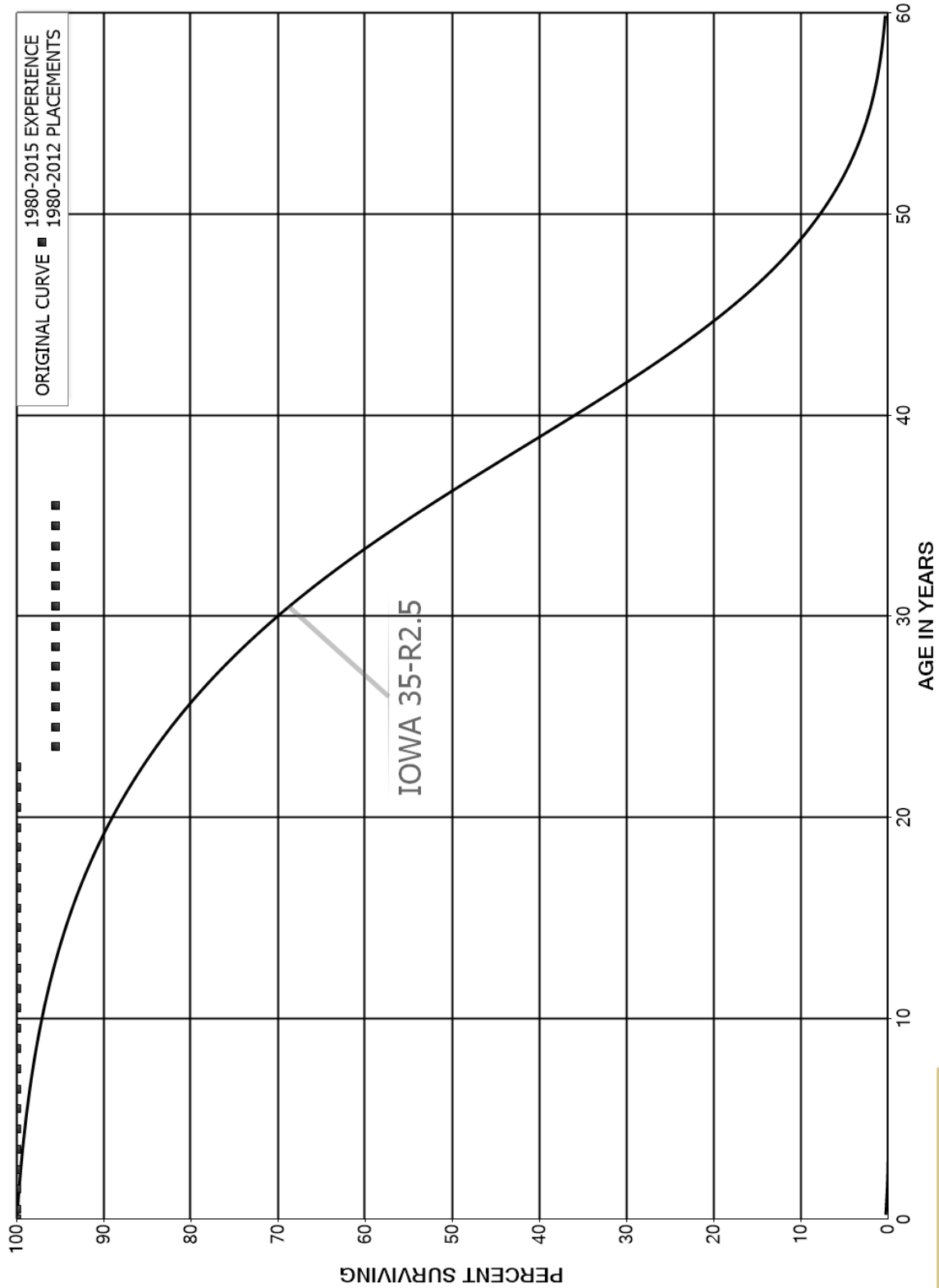
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT E01 - ELEVATORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



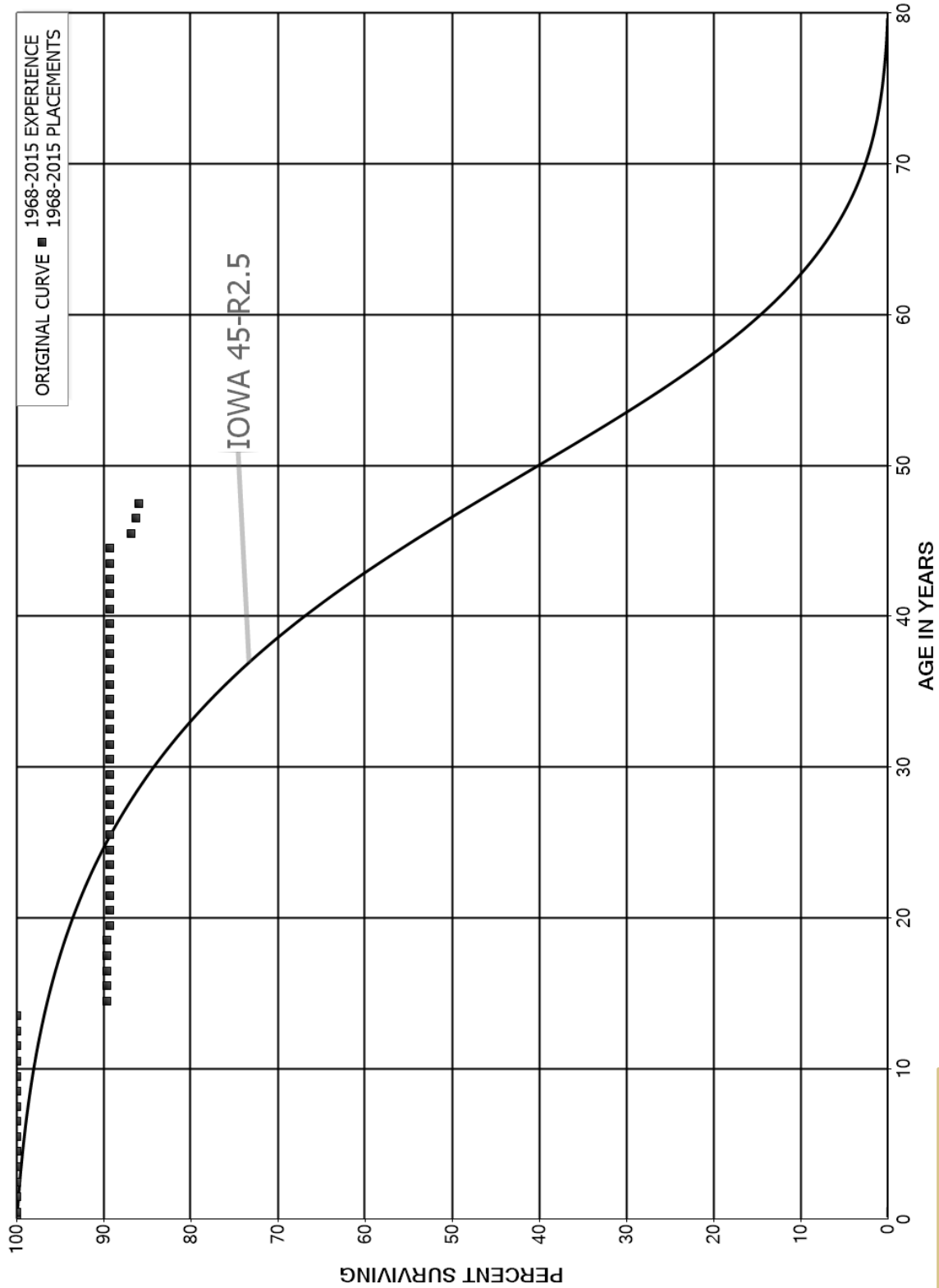
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT E02 - EMS EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



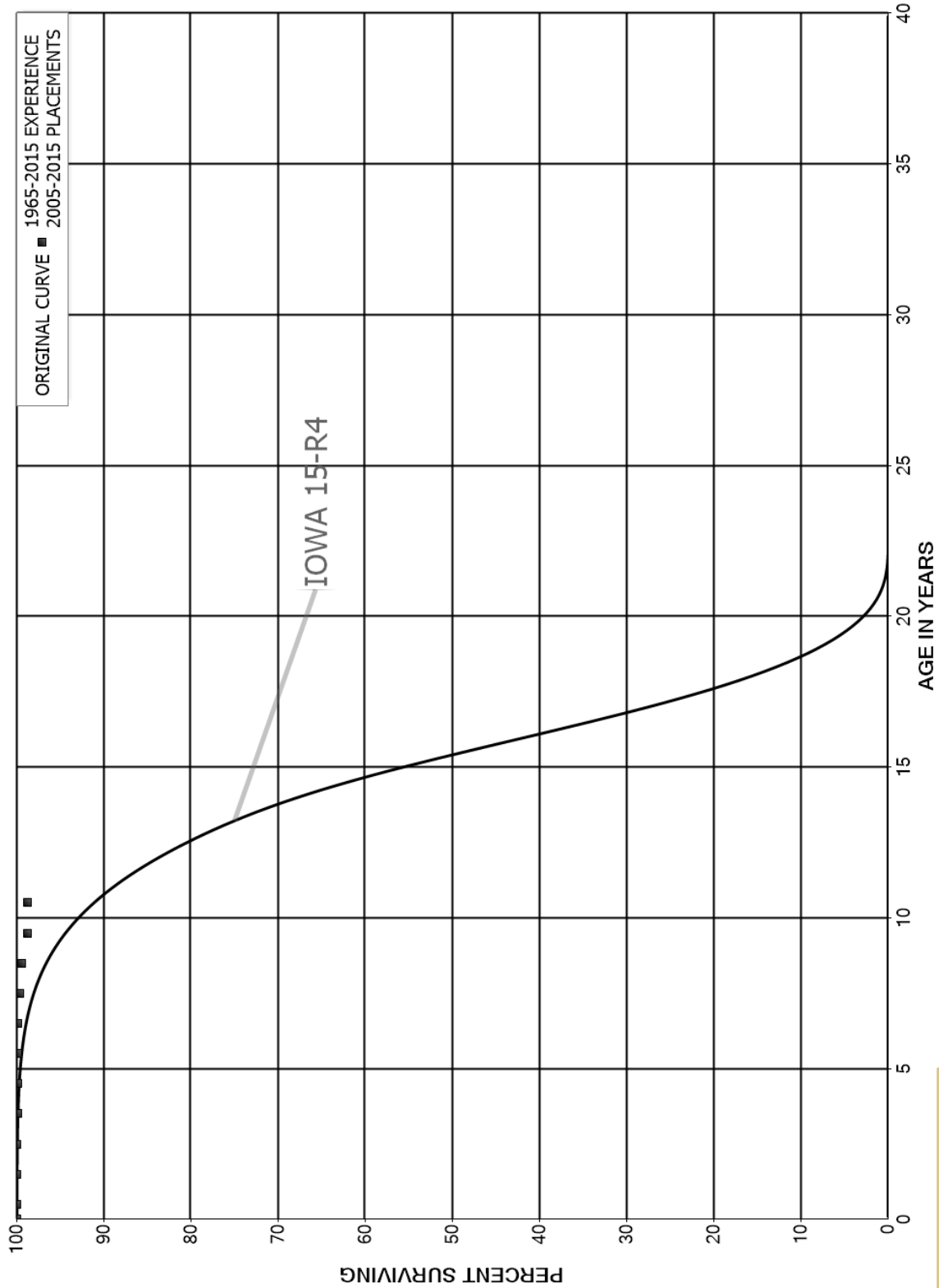
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT E03 - ENVIRONMENTAL EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



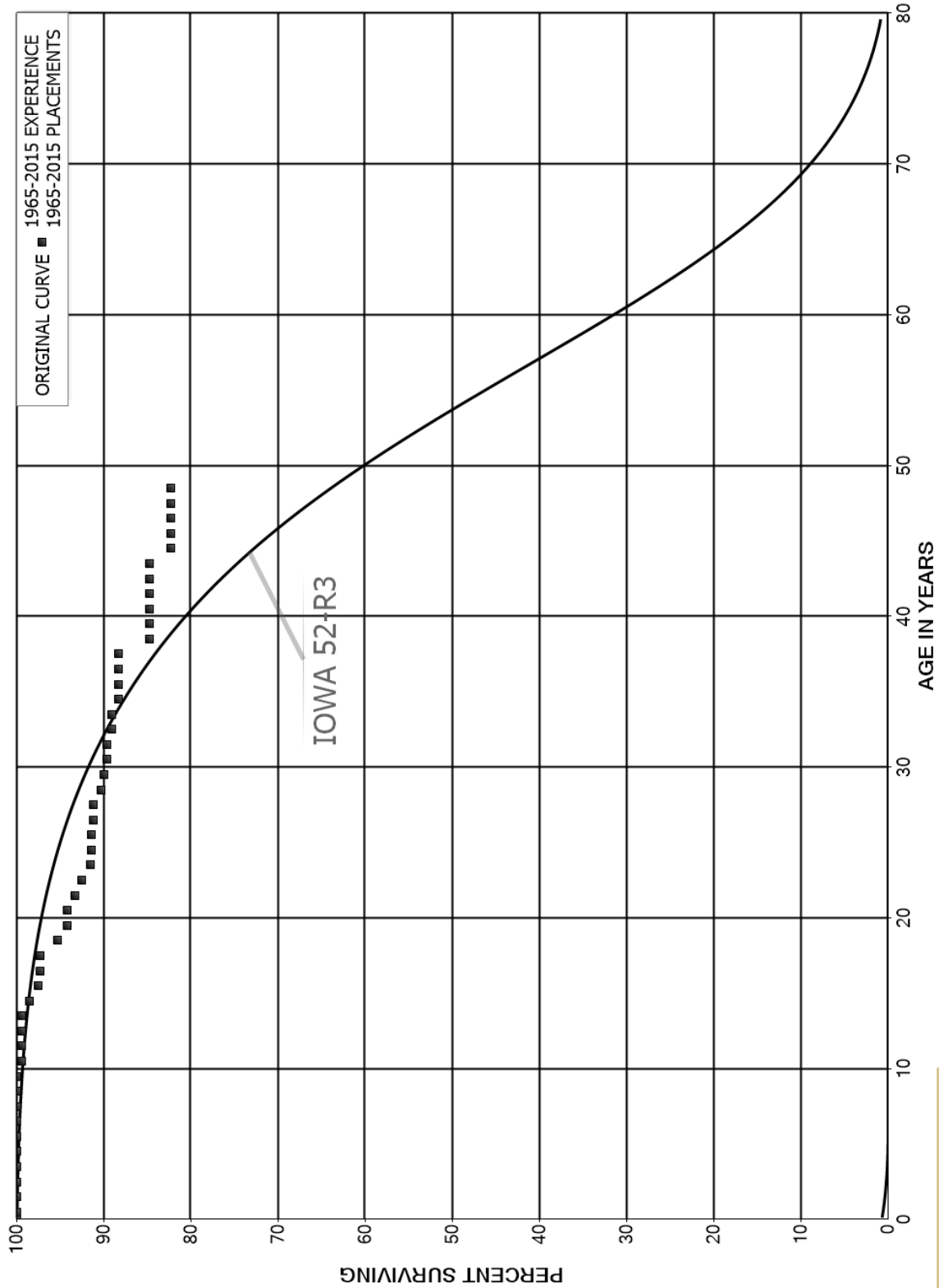
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT F01 - FALL ARREST EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



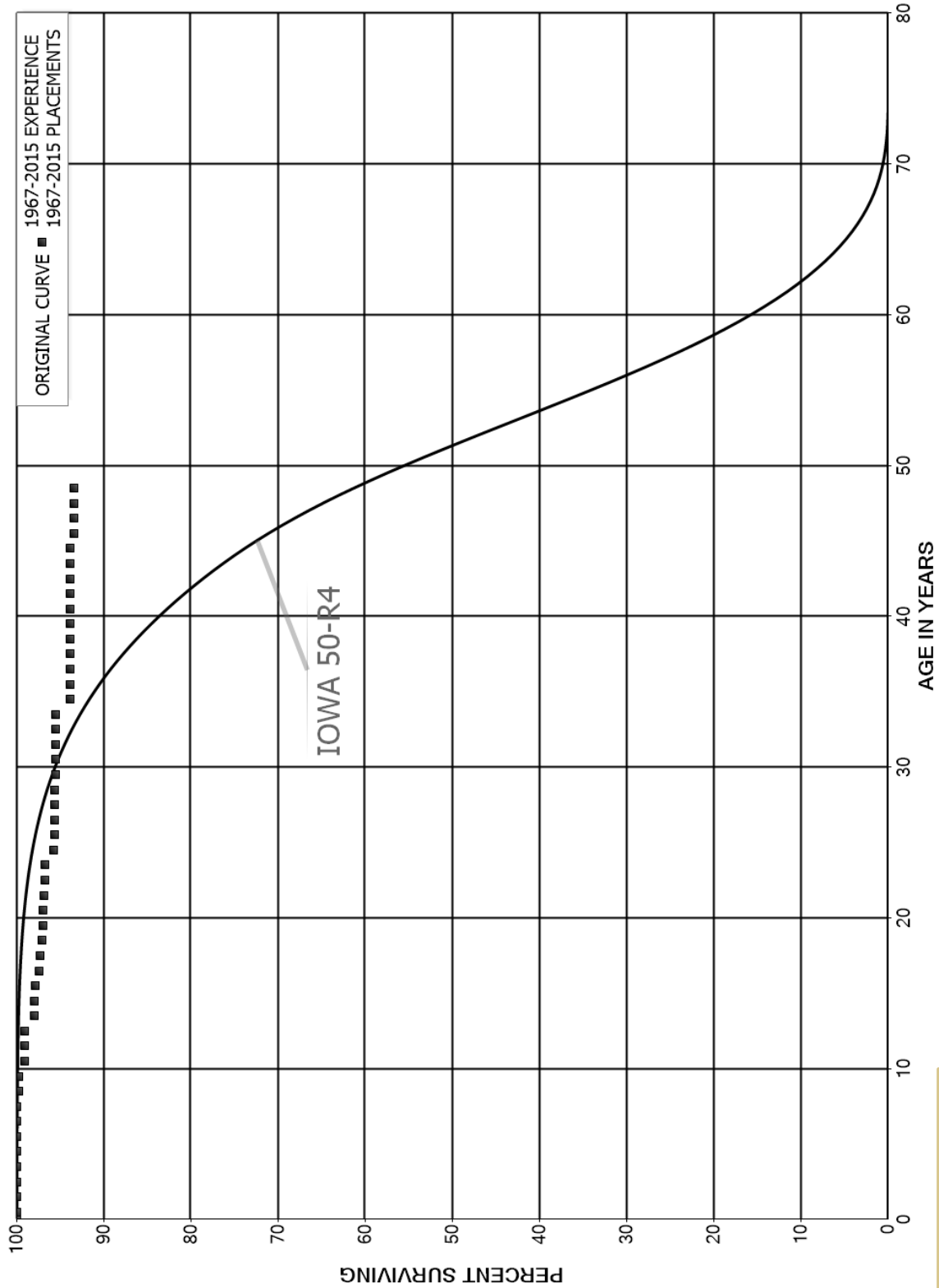
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT F02 - FENCING
ORIGINAL AND SMOOTH SURVIVOR CURVES



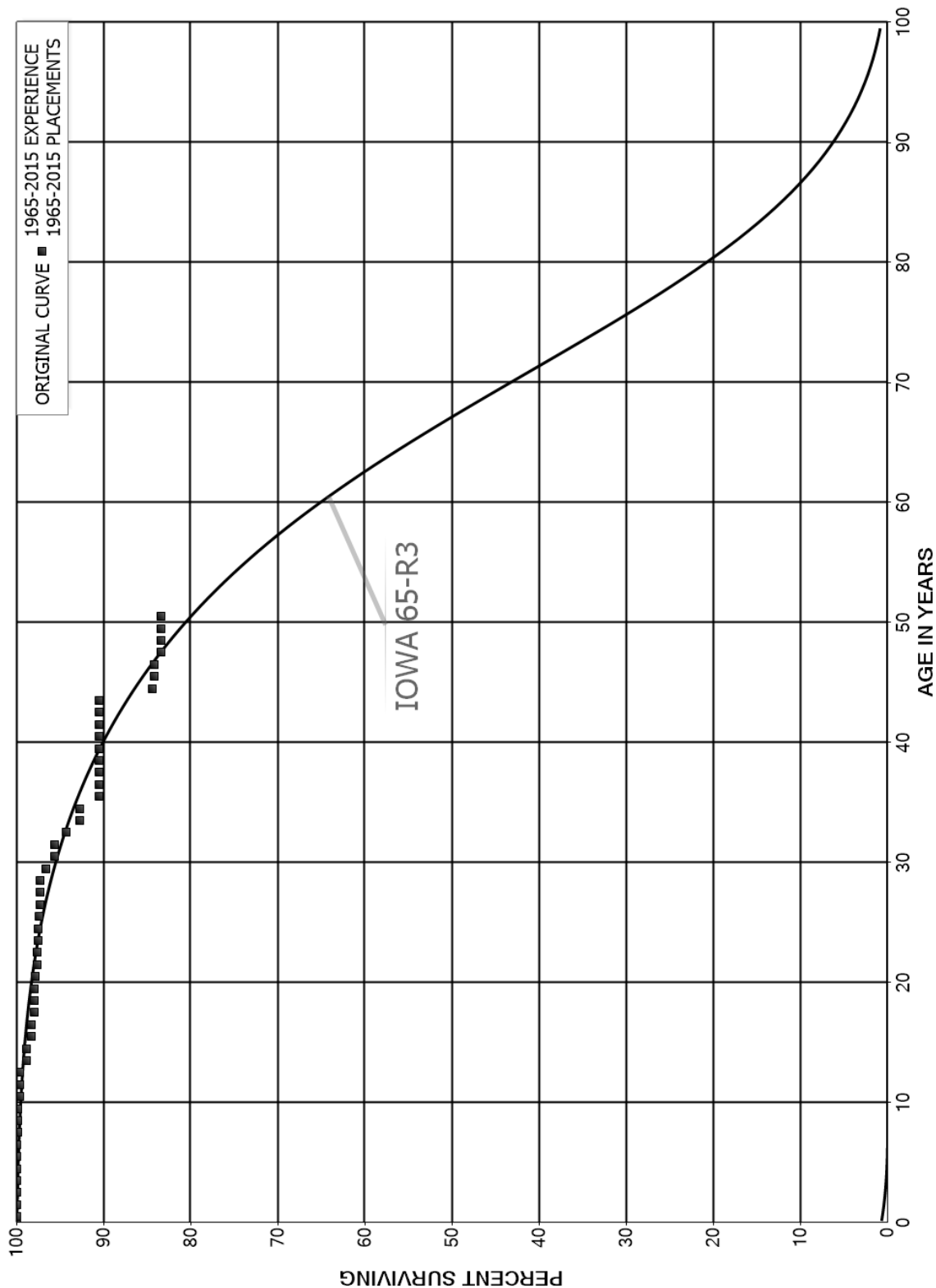
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT F03 - FIRE FIGHTING EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



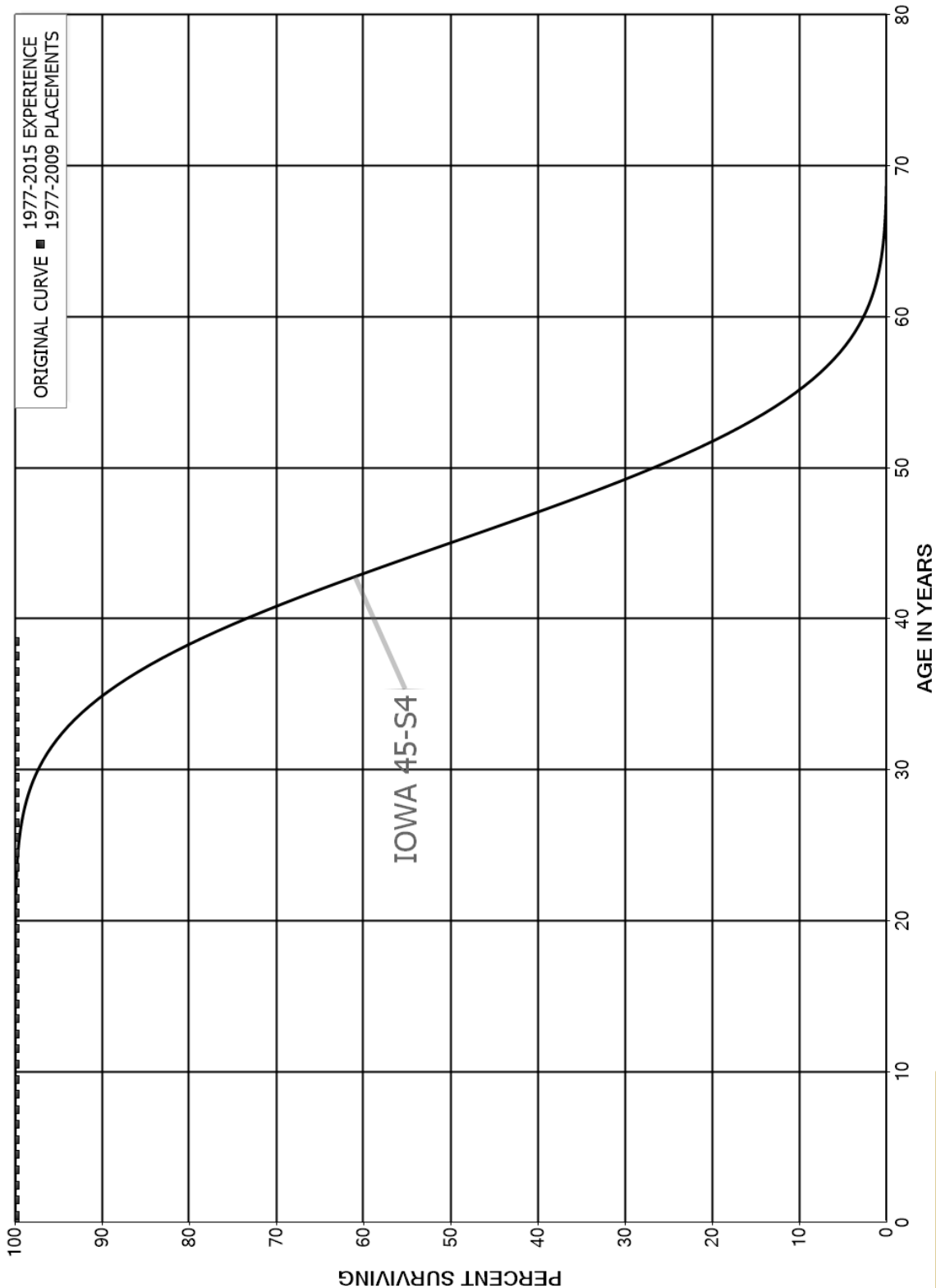
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT F04 - FOOTINGS AND FOUNDATIONS
ORIGINAL AND SMOOTH SURVIVOR CURVES



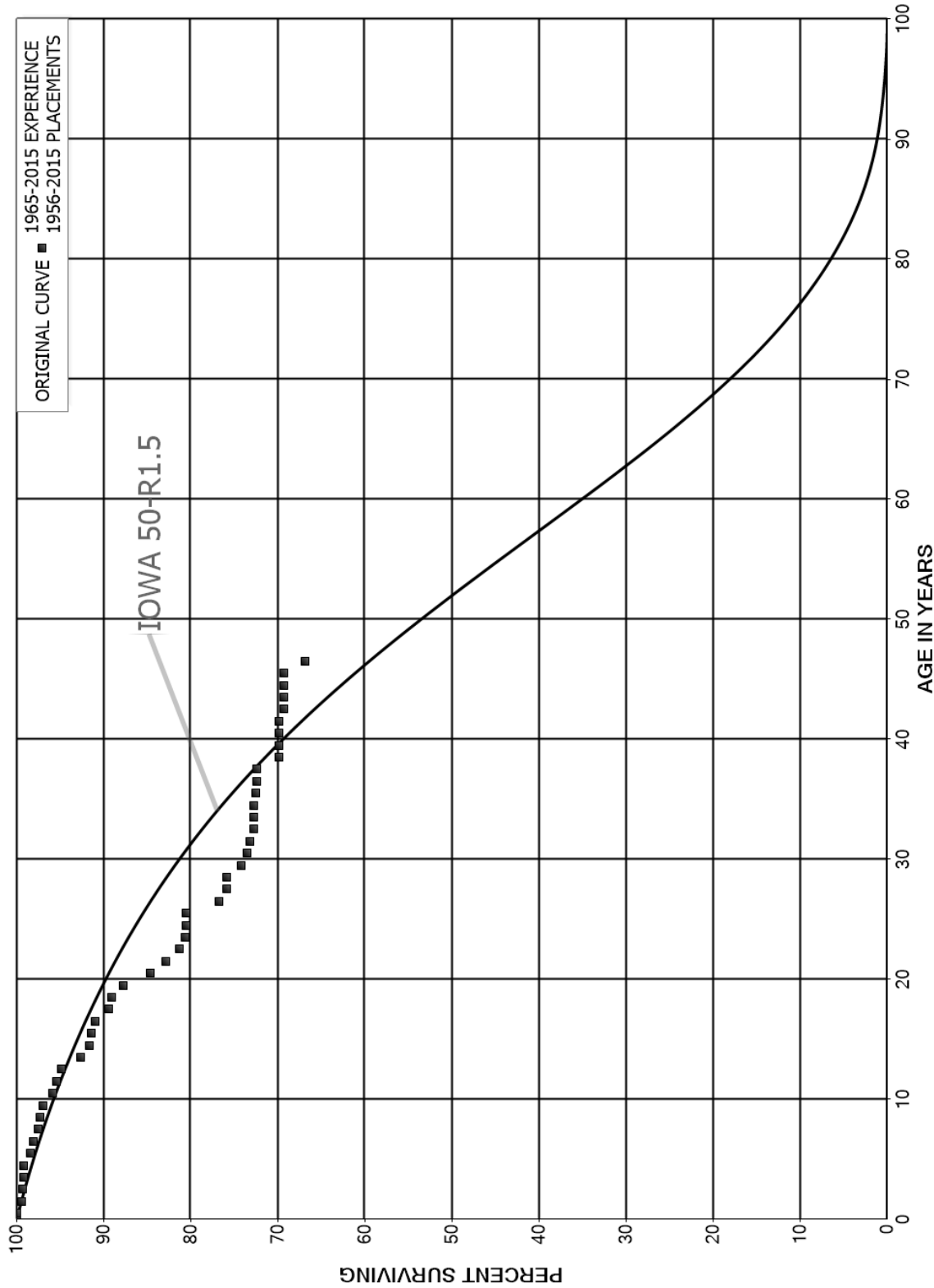
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT F05 - FREQUENCY CONVERSION
ORIGINAL AND SMOOTH SURVIVOR CURVES



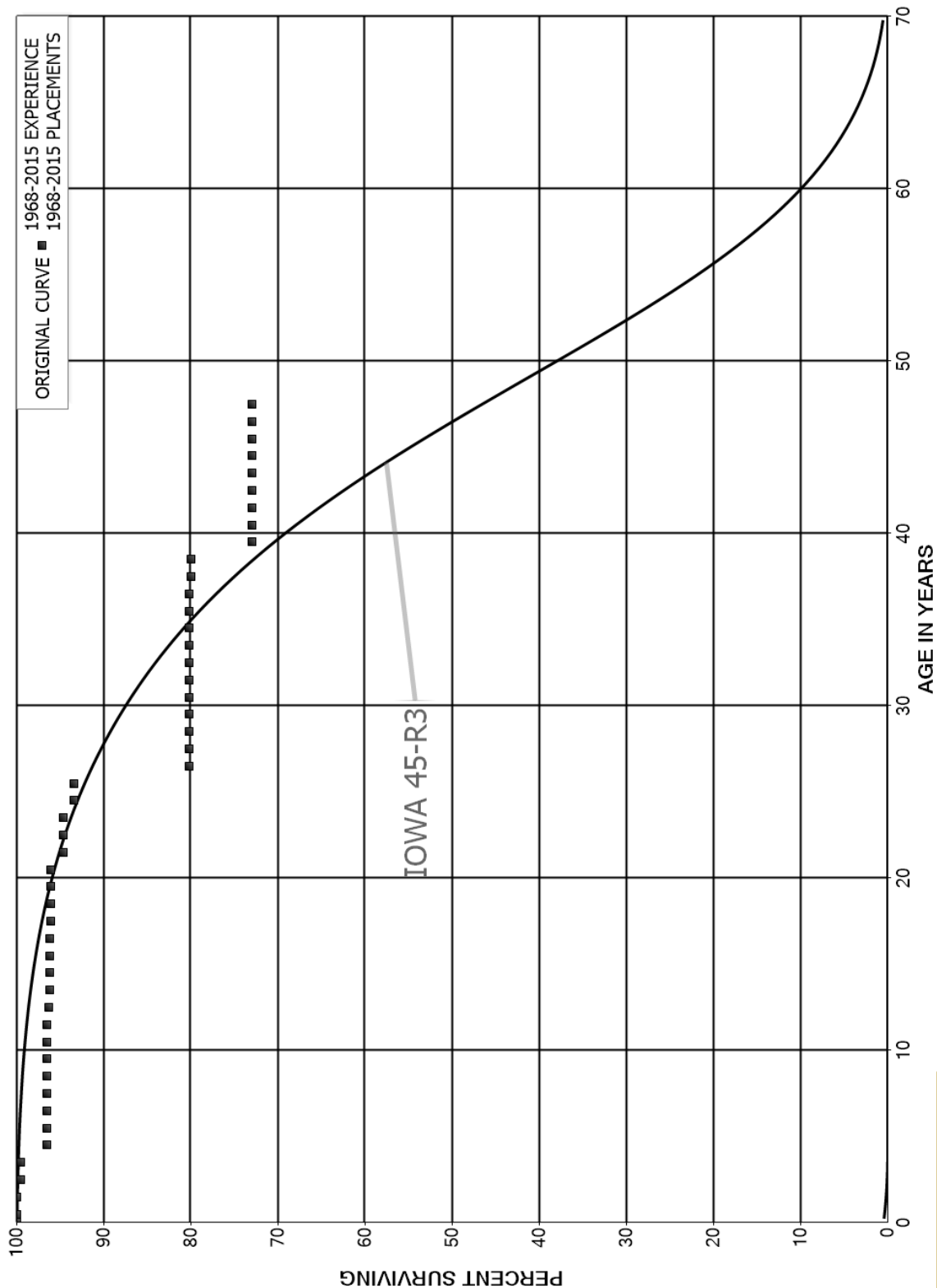
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT F06 - FUEL SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



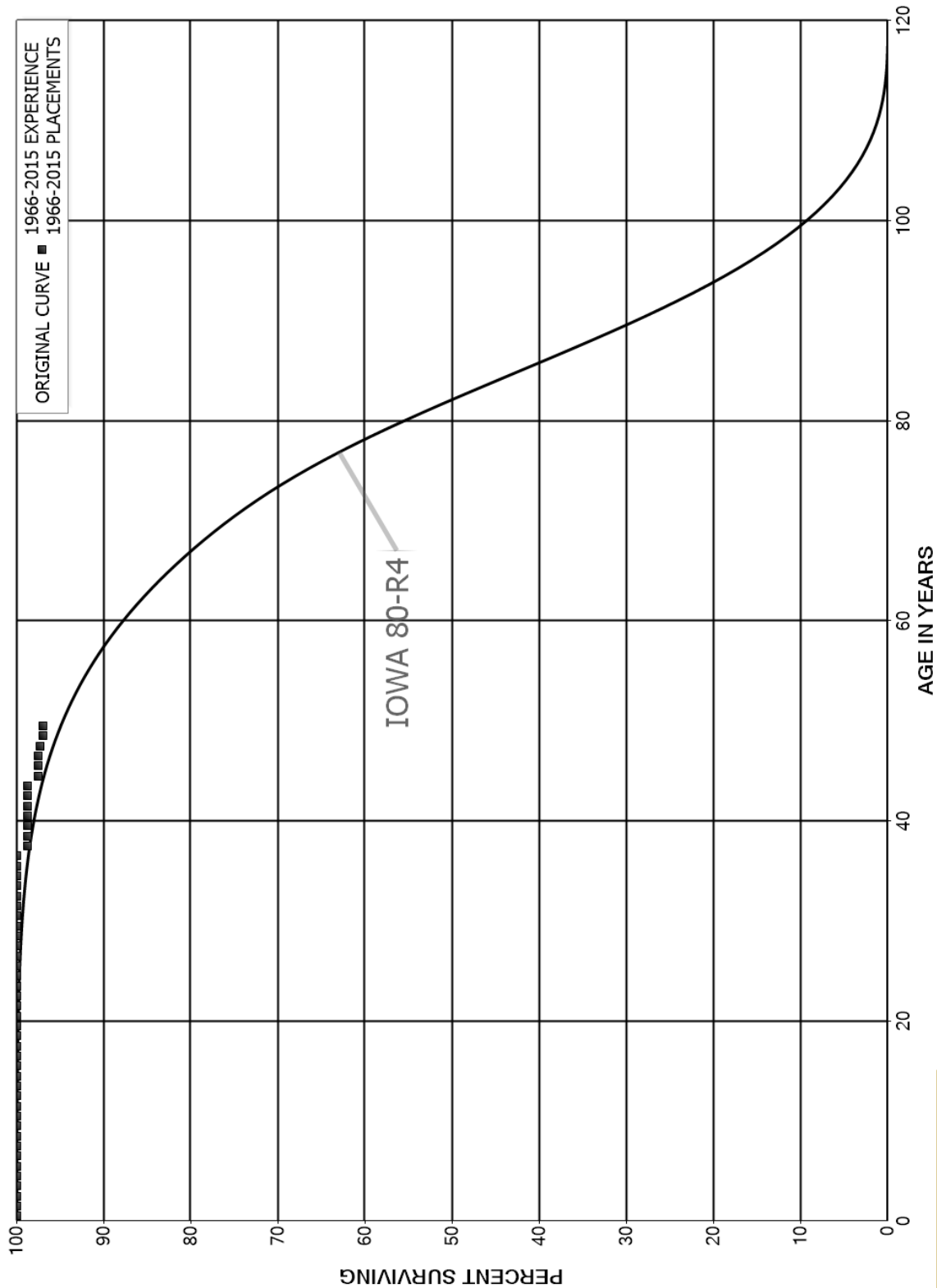
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G01 - GAS TURBINE SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



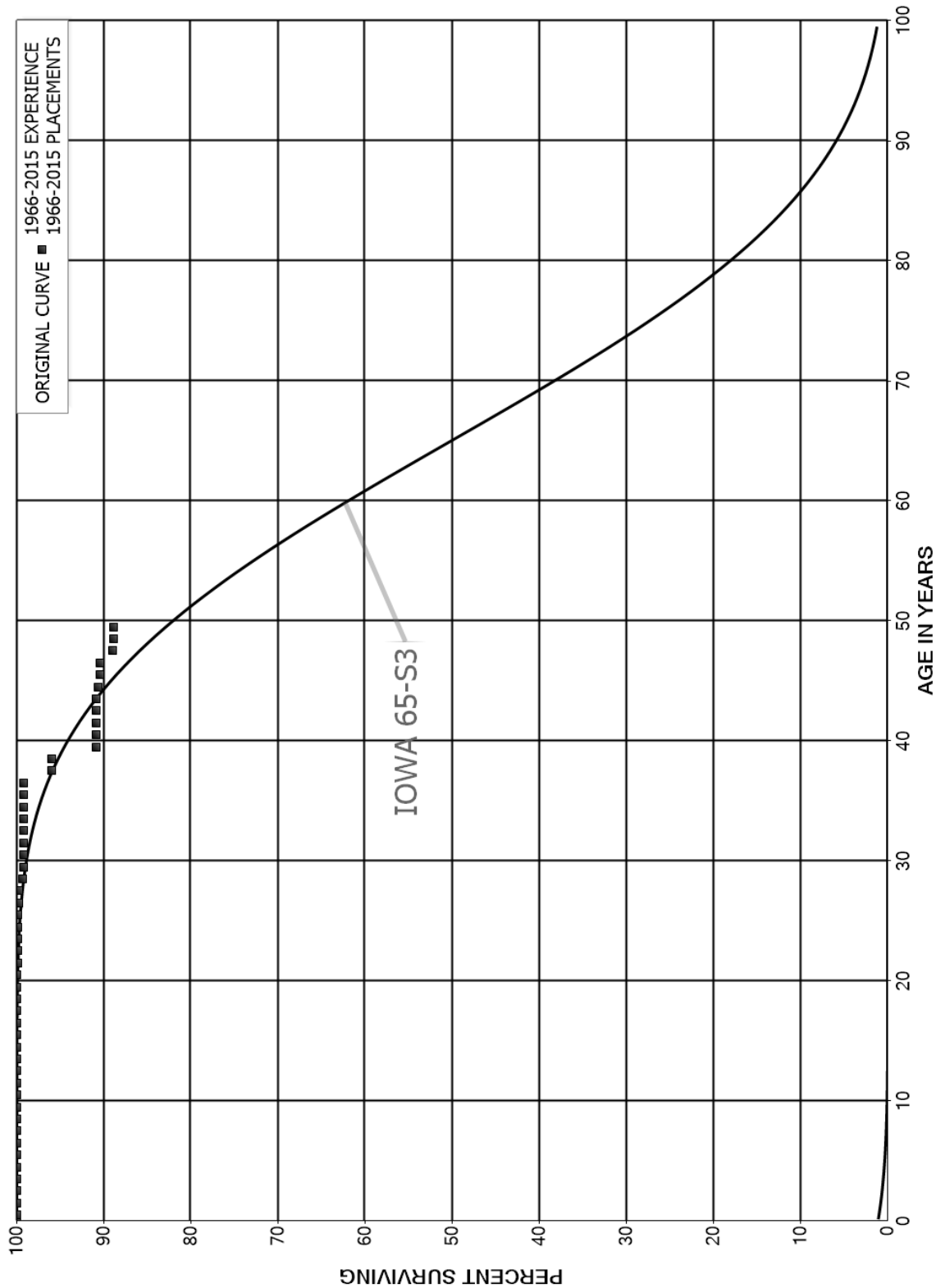
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G02 - GATES
ORIGINAL AND SMOOTH SURVIVOR CURVES



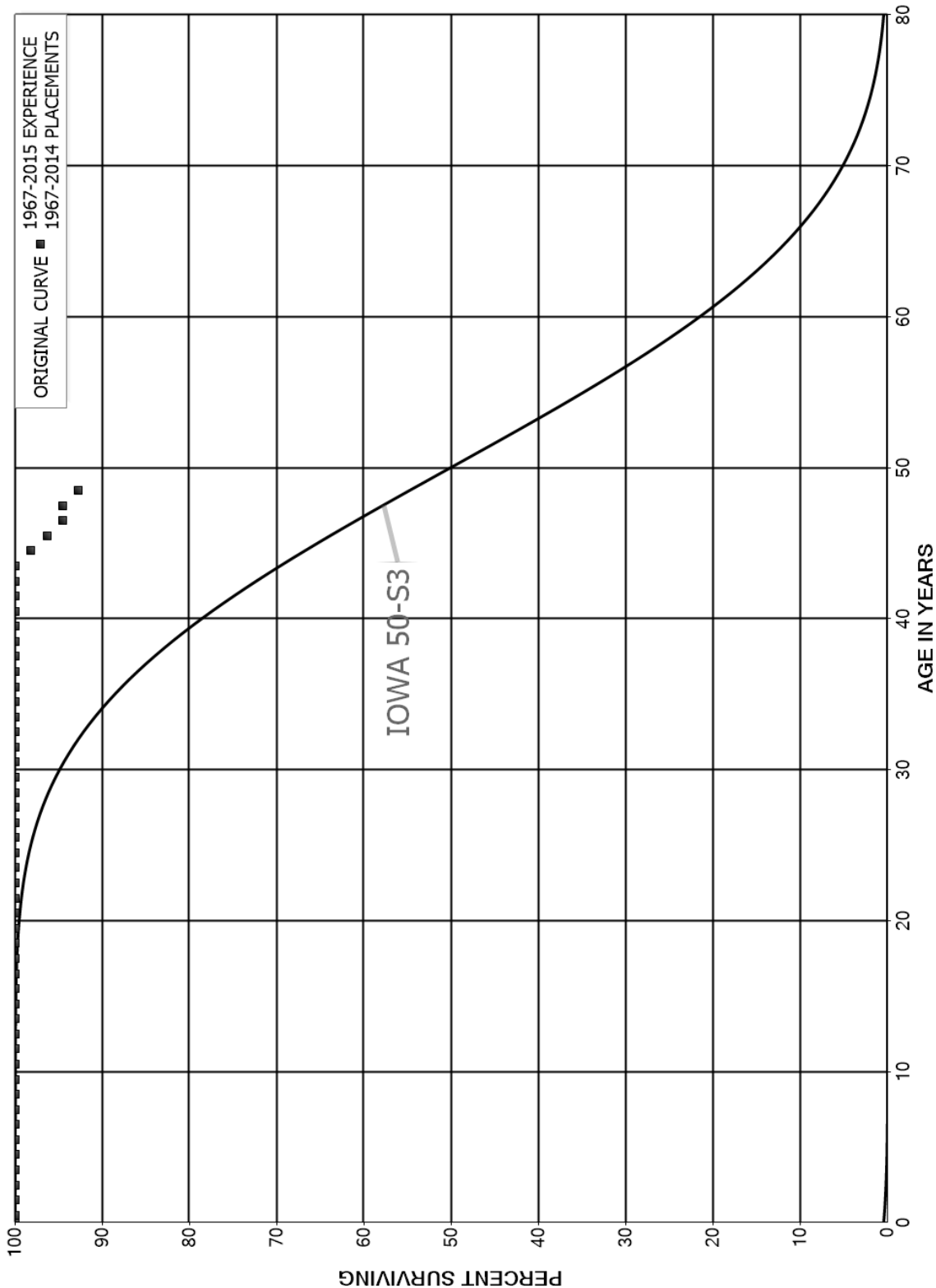
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G03 - GENERATORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



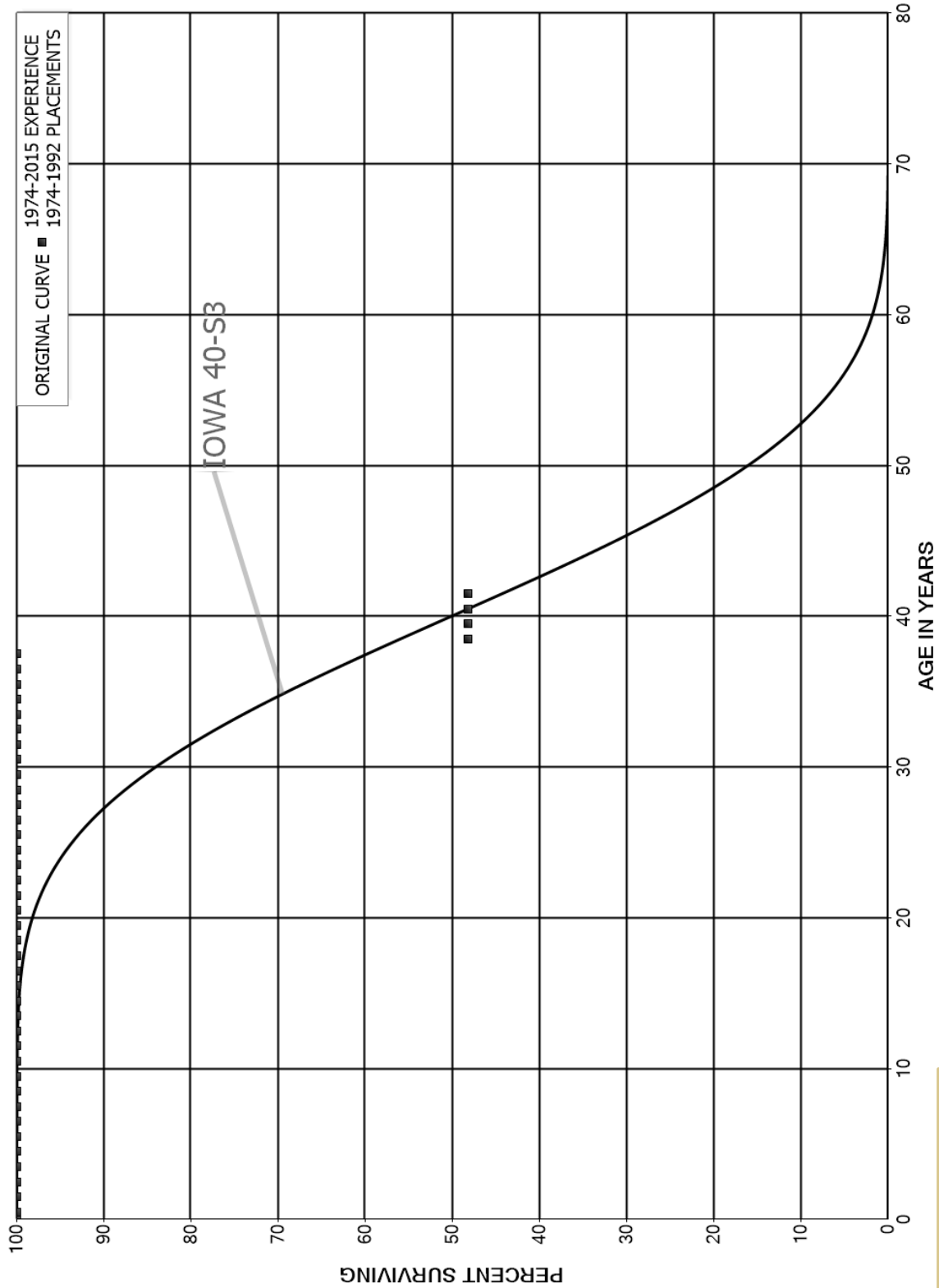
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G04 - GENERATORS - WINDINGS
ORIGINAL AND SMOOTH SURVIVOR CURVES



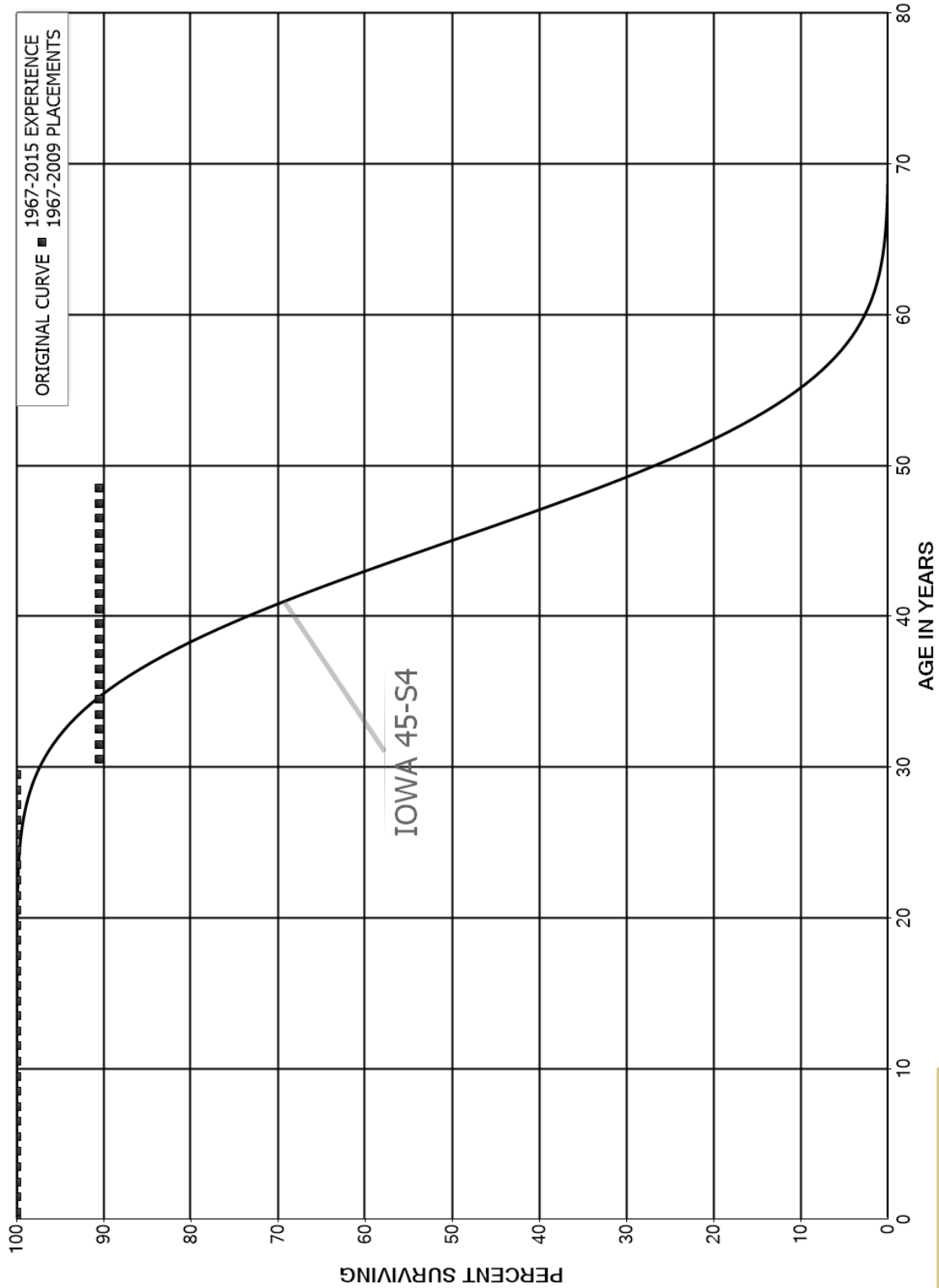
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G05 - GLYCOL SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



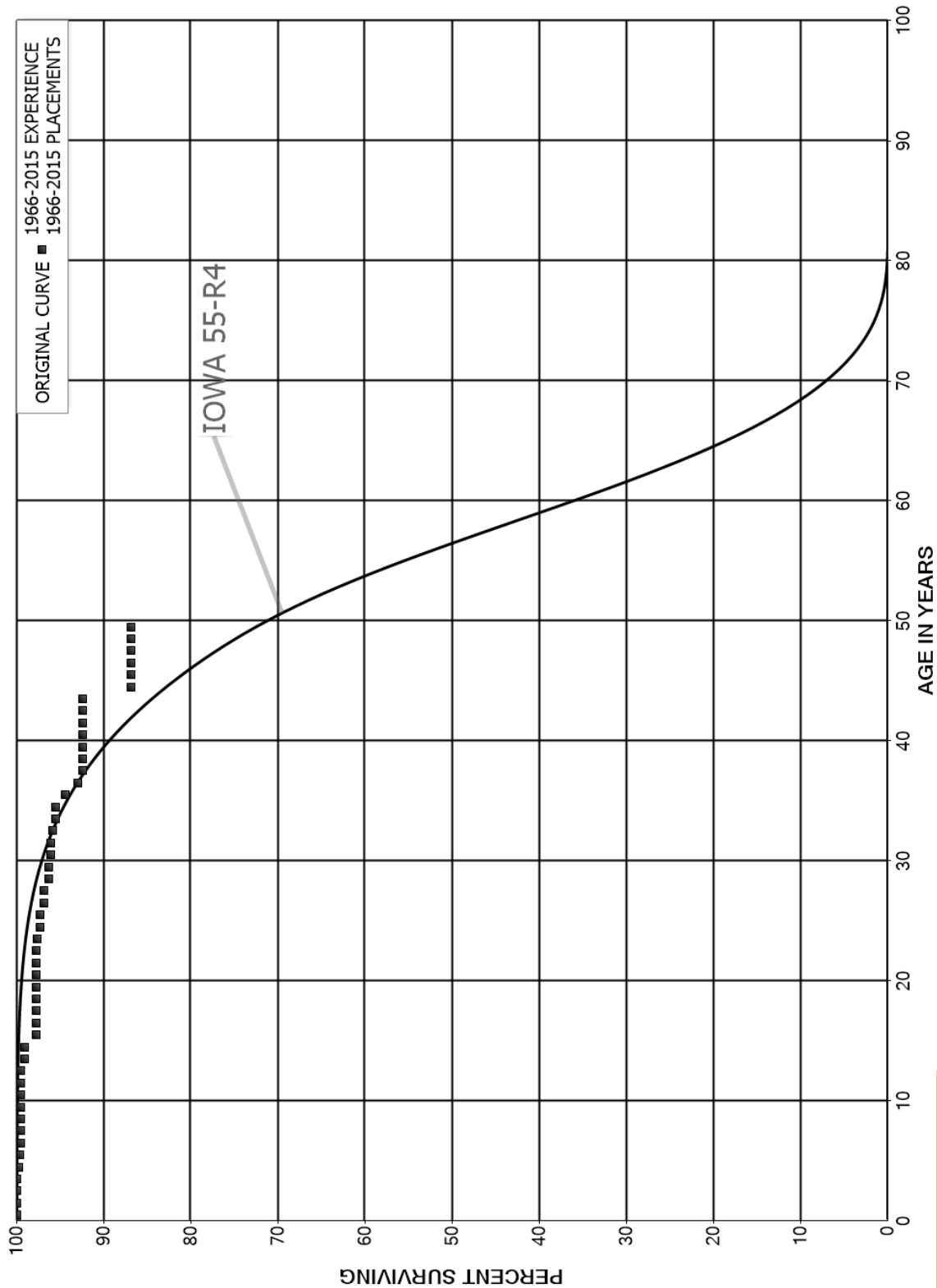
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G06 - GOVENORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



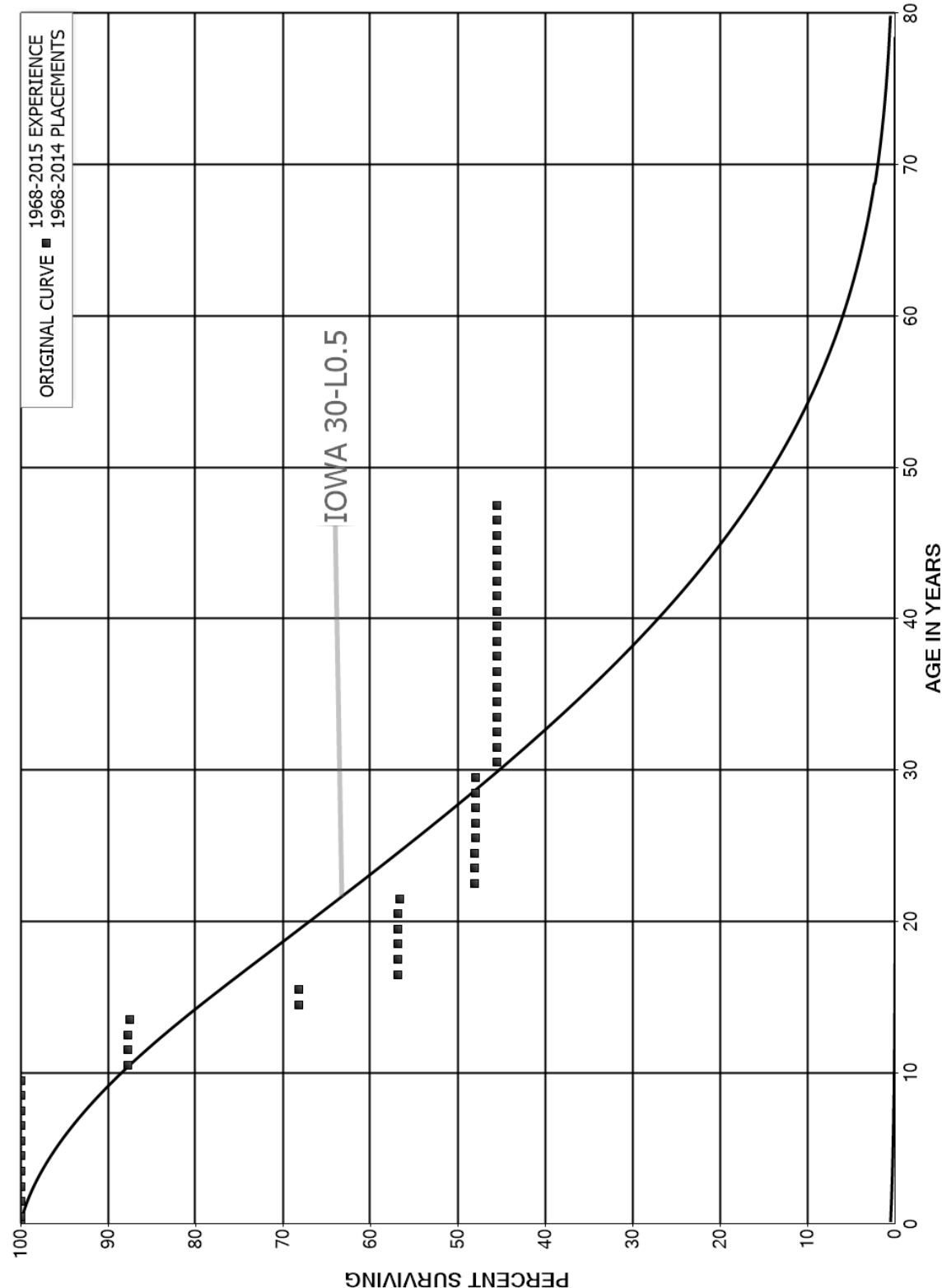
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT G07 - GROUND WIRE SYSTEM
ORIGINAL AND SMOOTH SURVIVOR CURVES



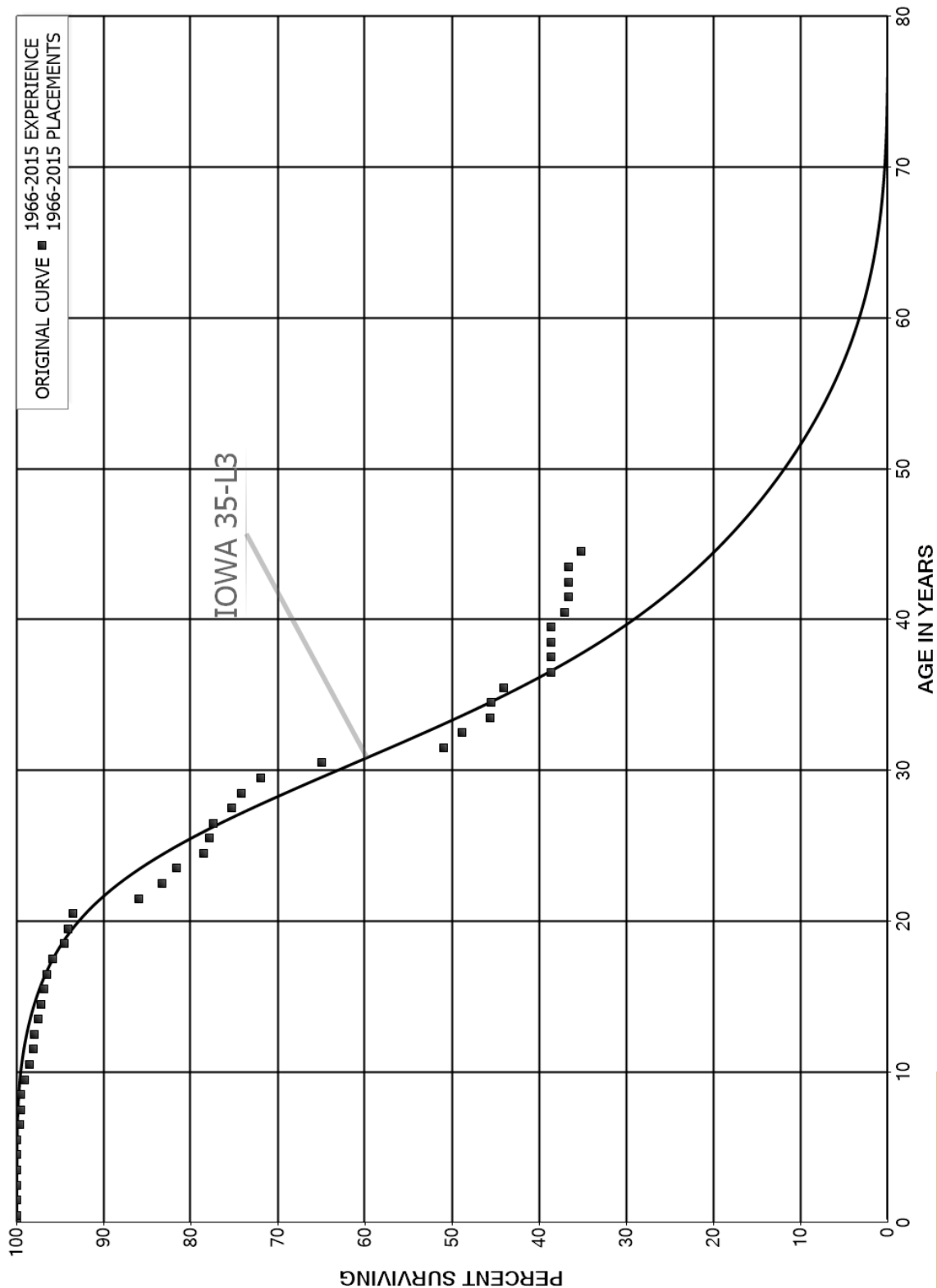
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT I02 - INFORMATION DELIVERY SYSTEM - ECC
ORIGINAL AND SMOOTH SURVIVOR CURVES



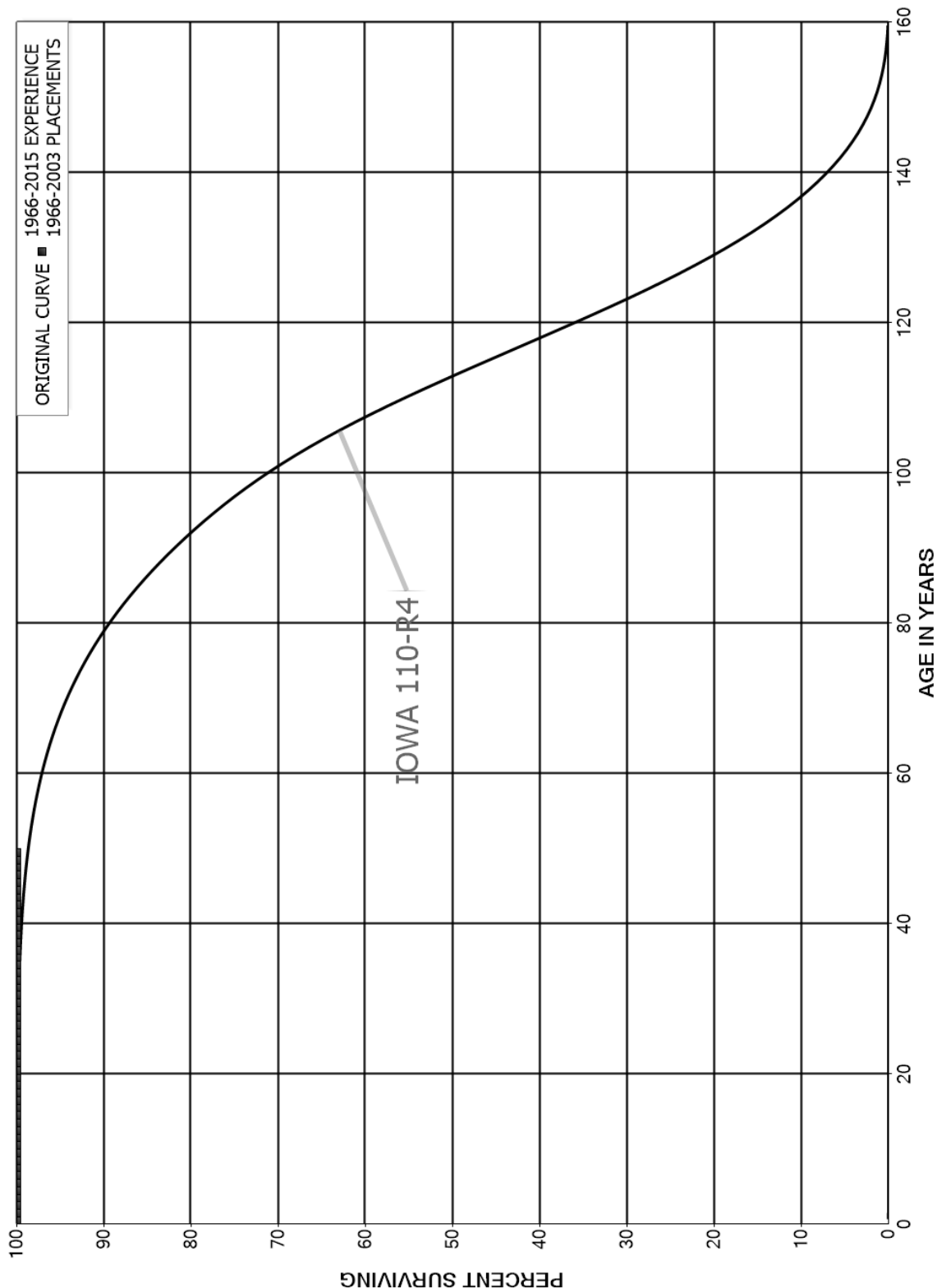
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT I03 - INSTRUMENTATION
ORIGINAL AND SMOOTH SURVIVOR CURVES



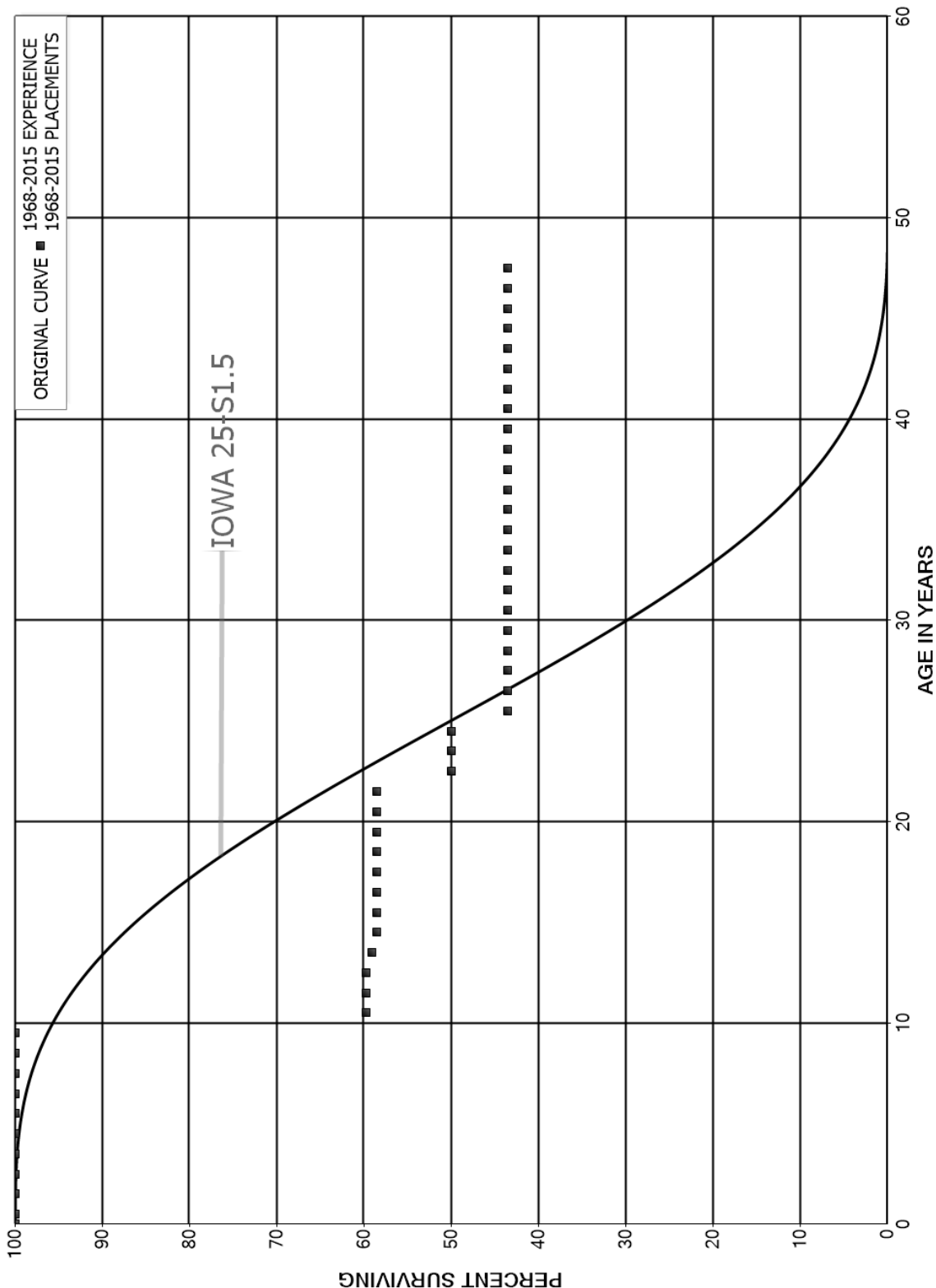
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT I04 - INSULATORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



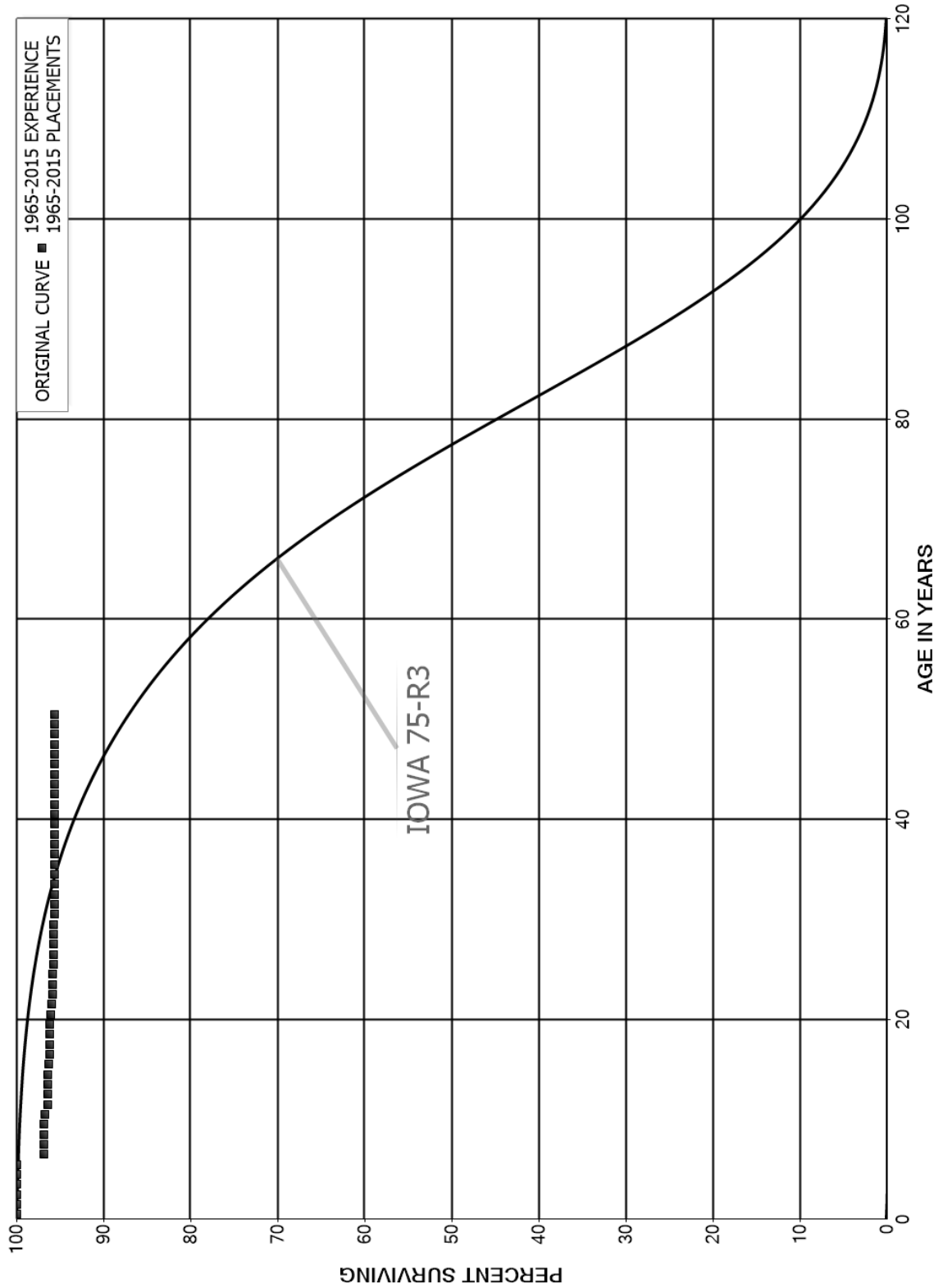
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT I05 - INTAKE STRUCTURES
ORIGINAL AND SMOOTH SURVIVOR CURVES



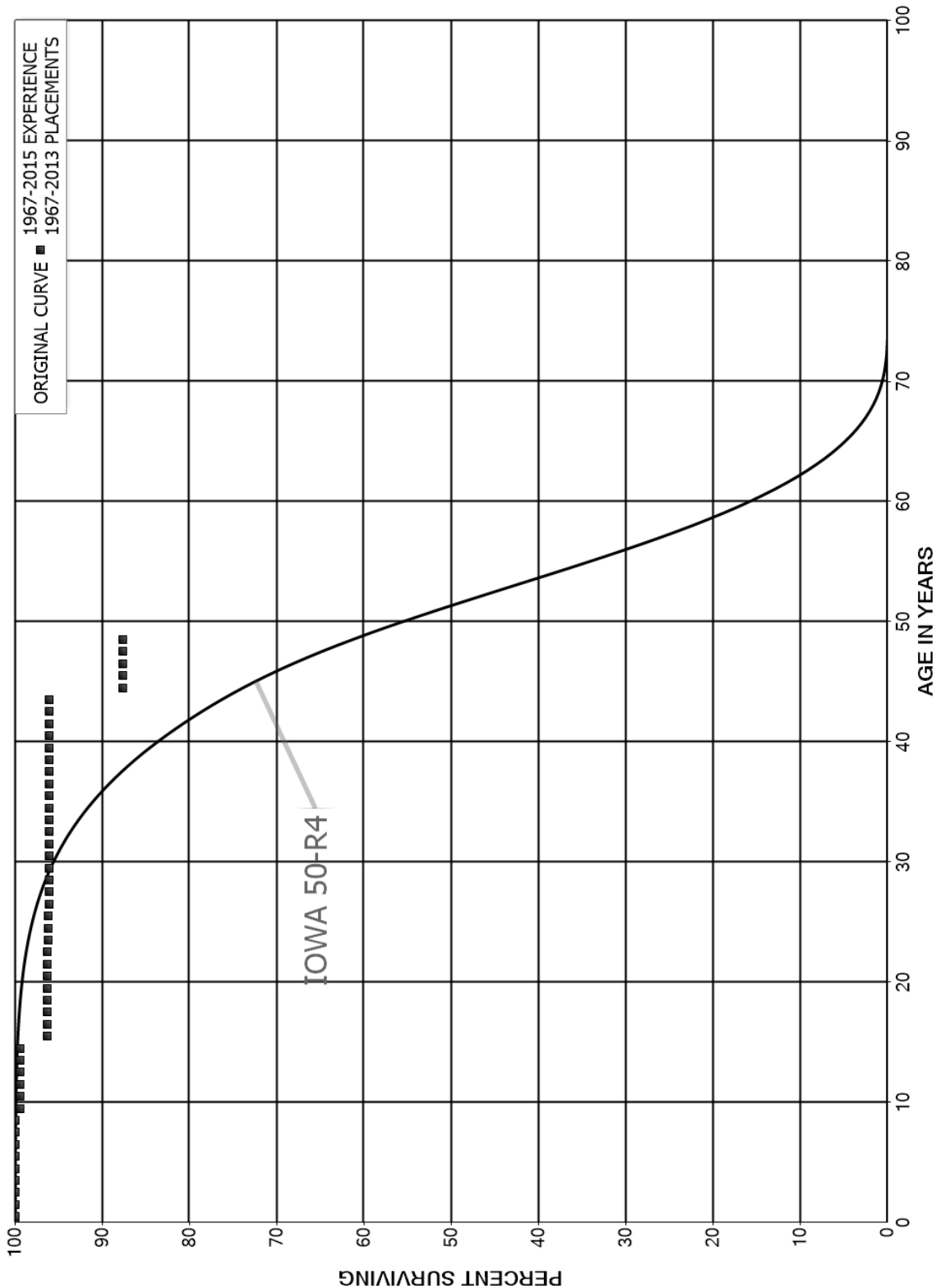
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT I.03 - LAND IMPROVEMENTS
ORIGINAL AND SMOOTH SURVIVOR CURVES



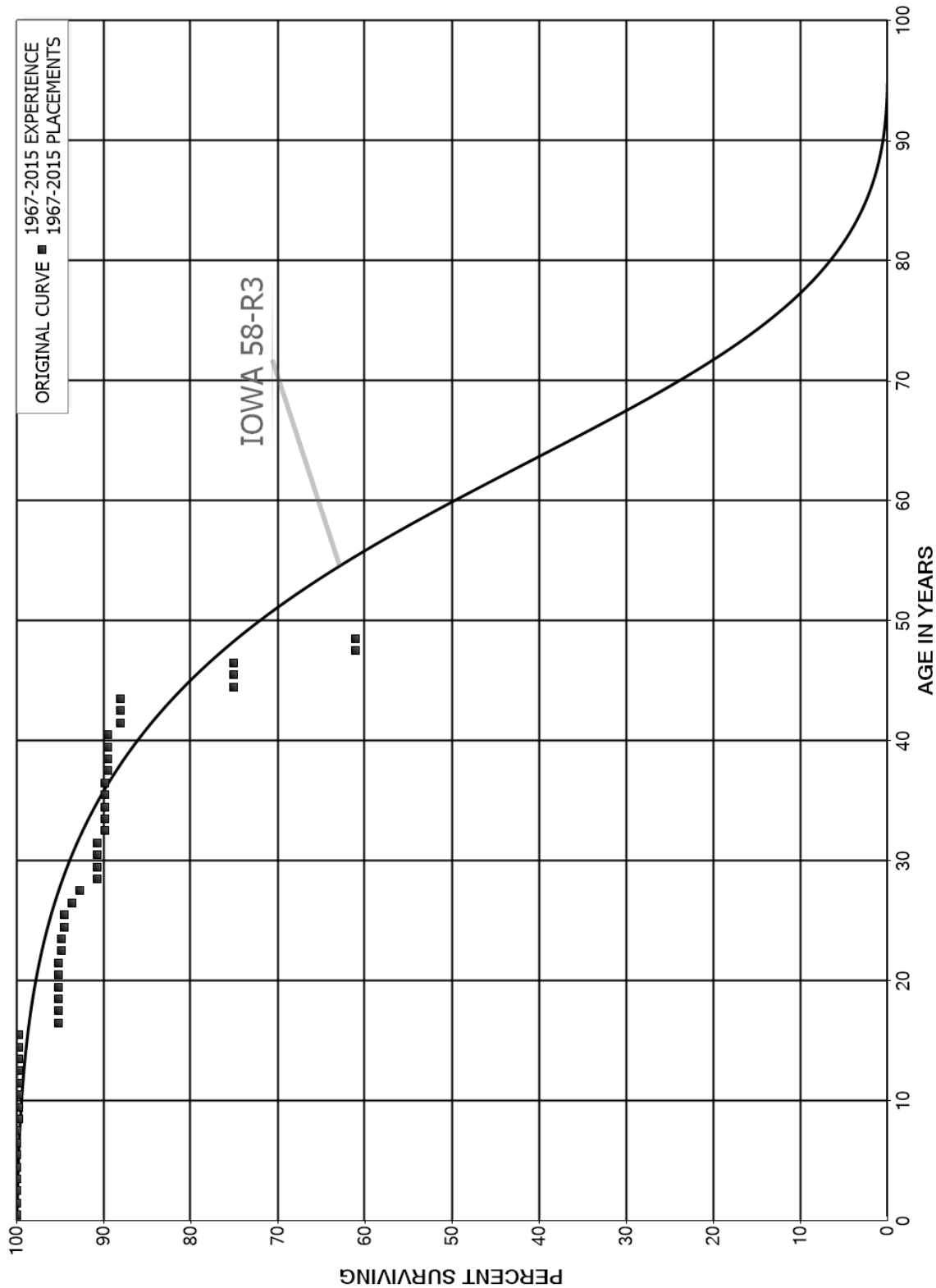
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT L04 - LIGHTING SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



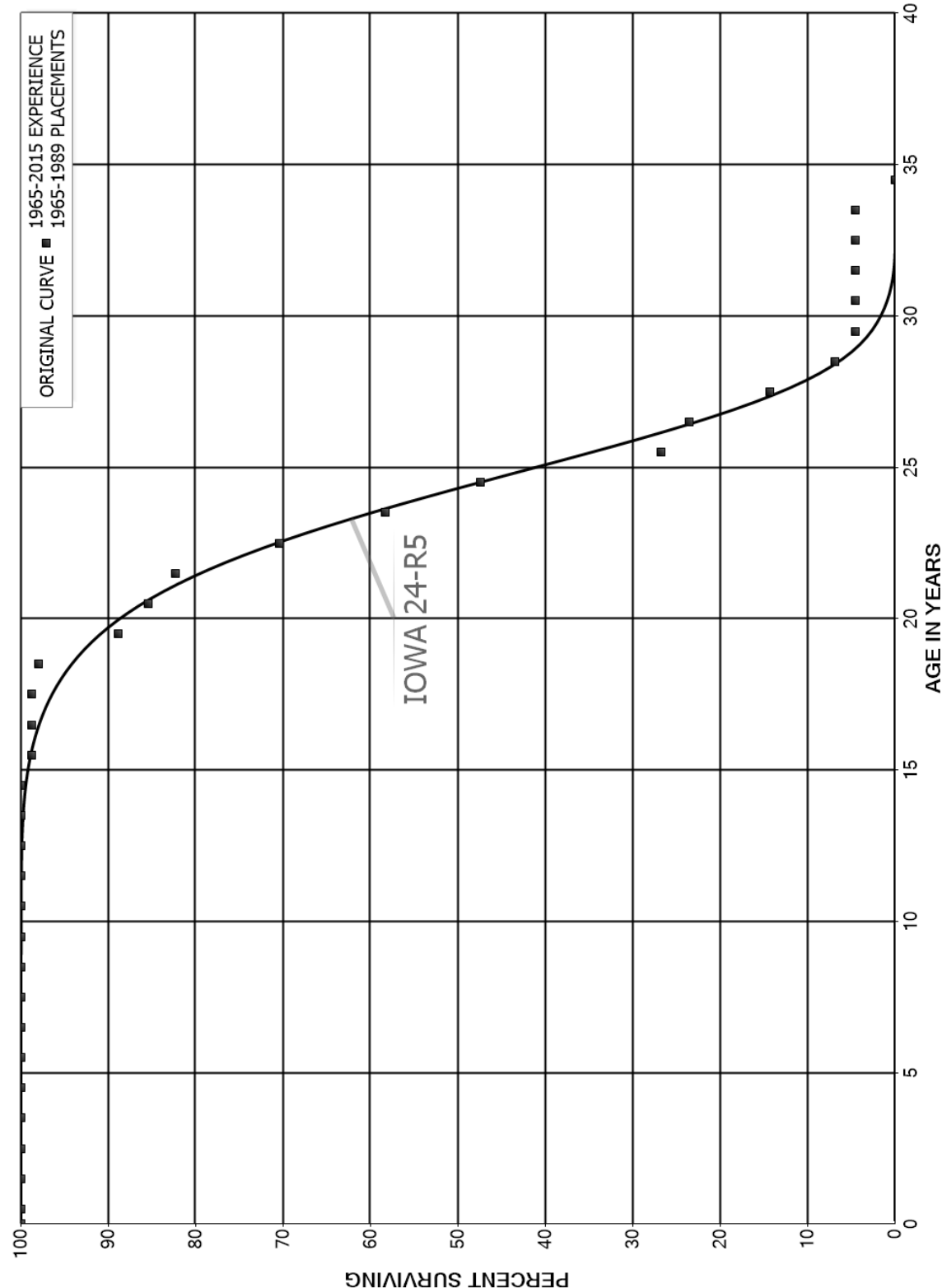
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT 1.05 - LIGHTNING ARRESTORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



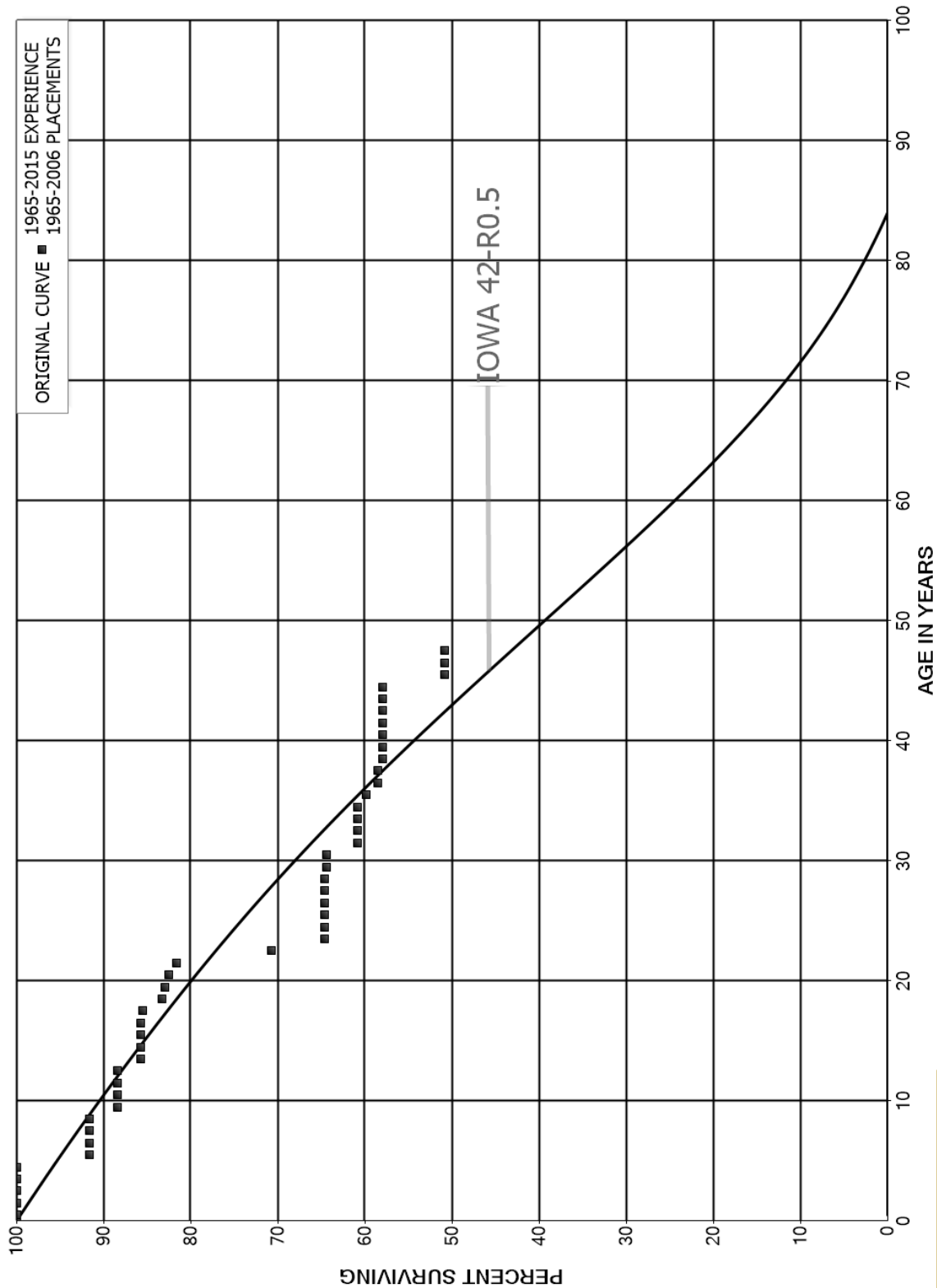
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT I06 - LINE COUPLING EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



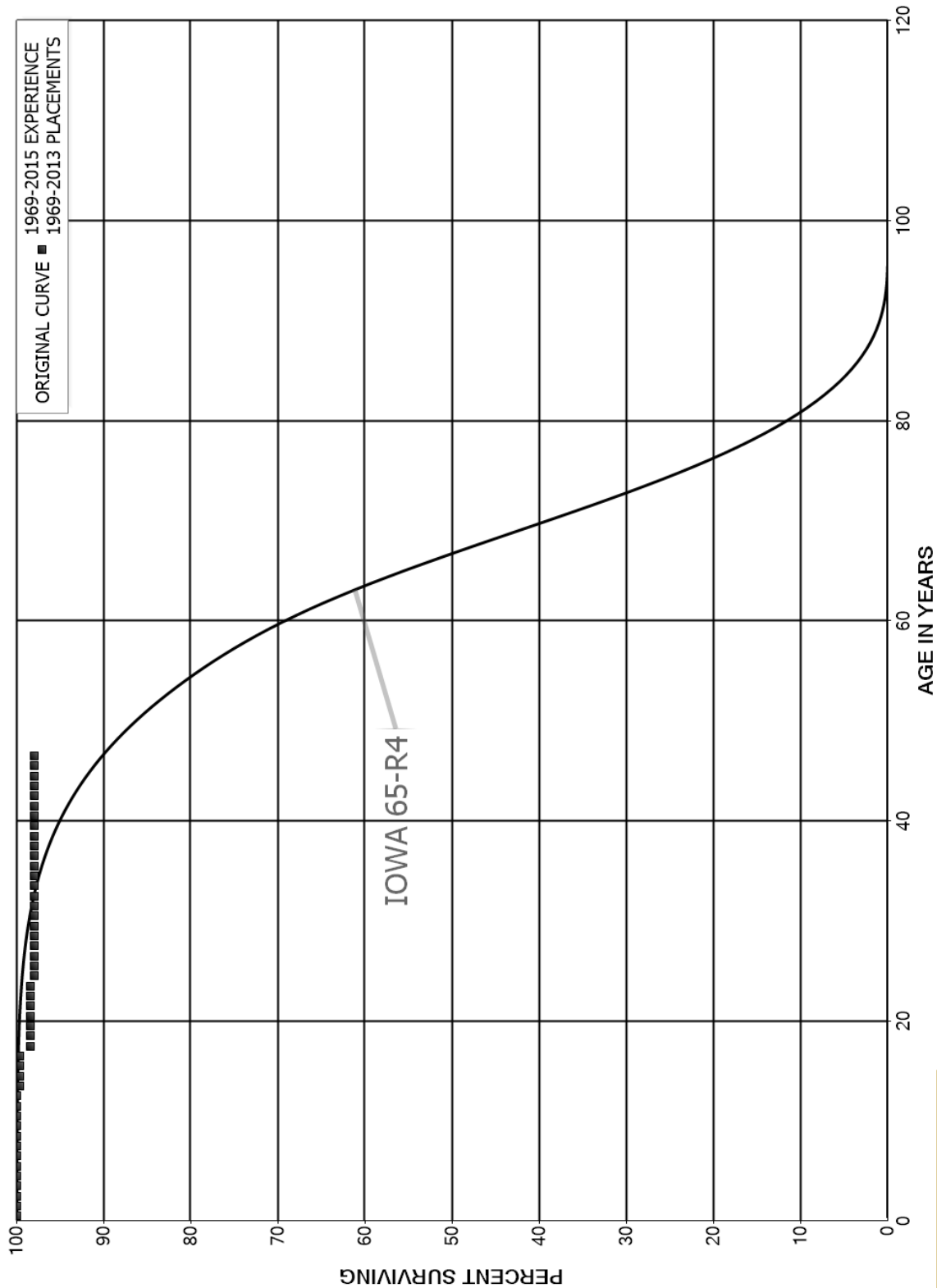
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M01 - MAIN BREAKERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



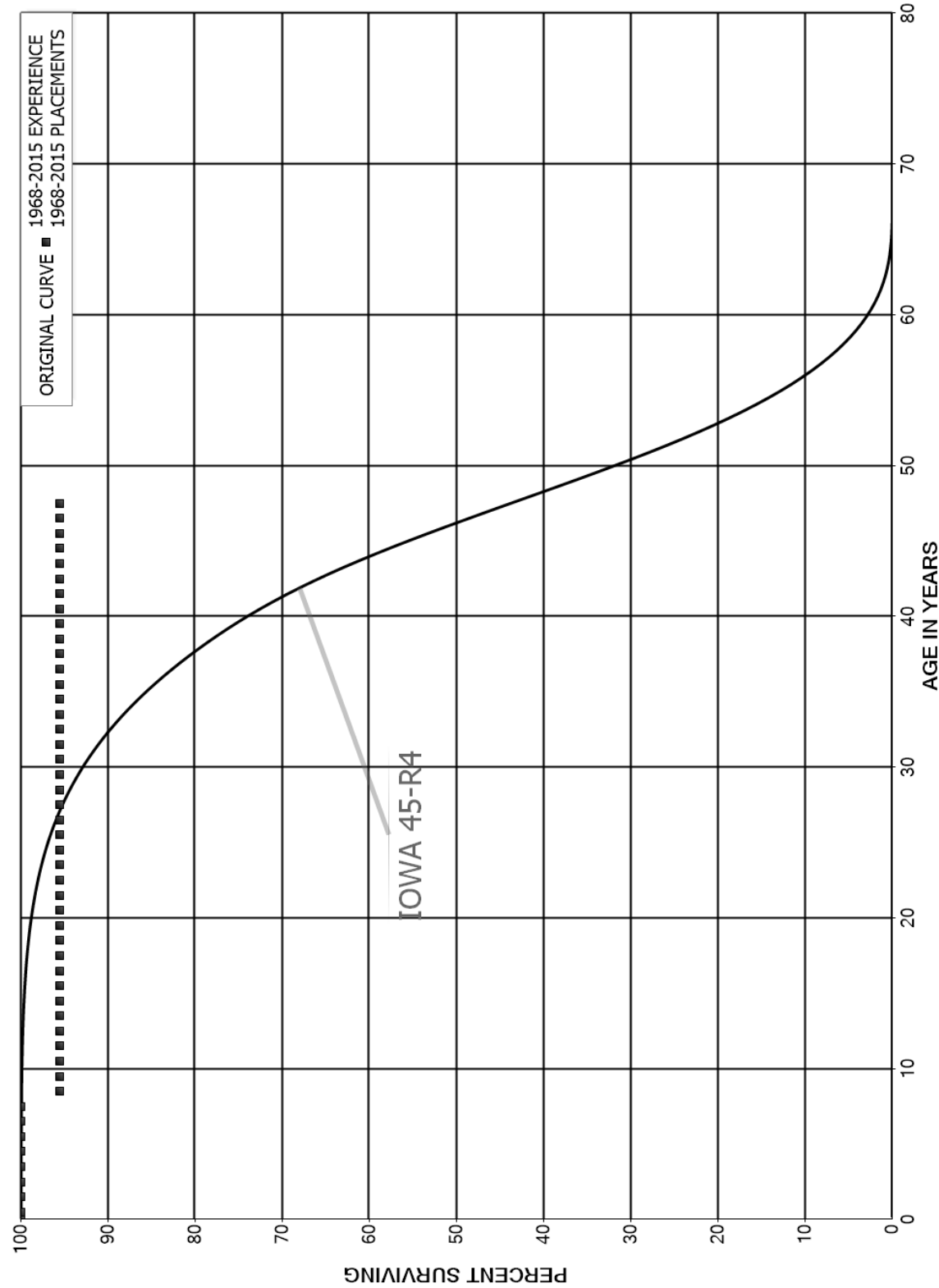
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M02 - MARINE TERMINAL
ORIGINAL AND SMOOTH SURVIVOR CURVES



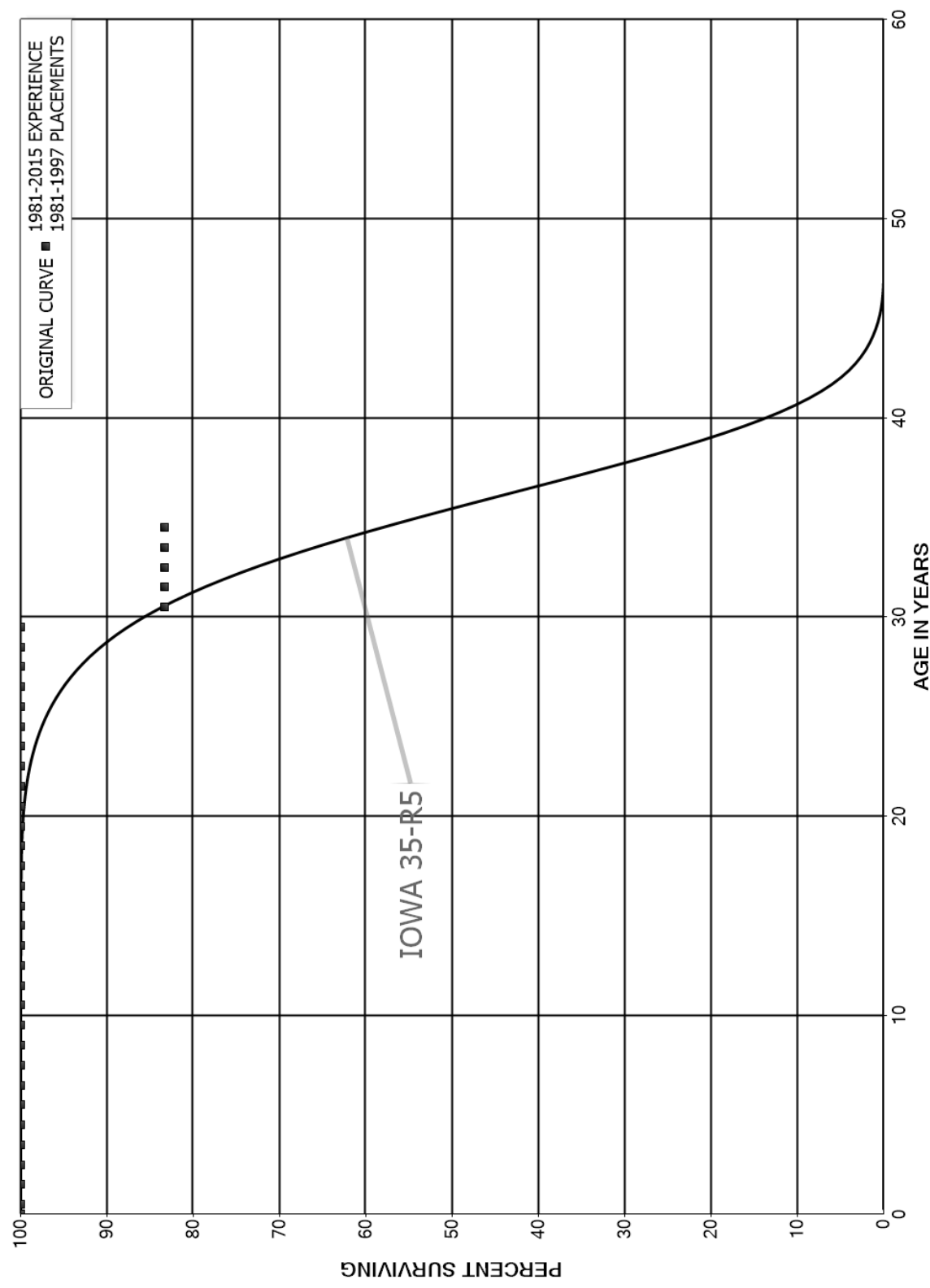
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M03 - METALCLAD SWITCHGEAR CUB/EQU 4kv/600
ORIGINAL AND SMOOTH SURVIVOR CURVES



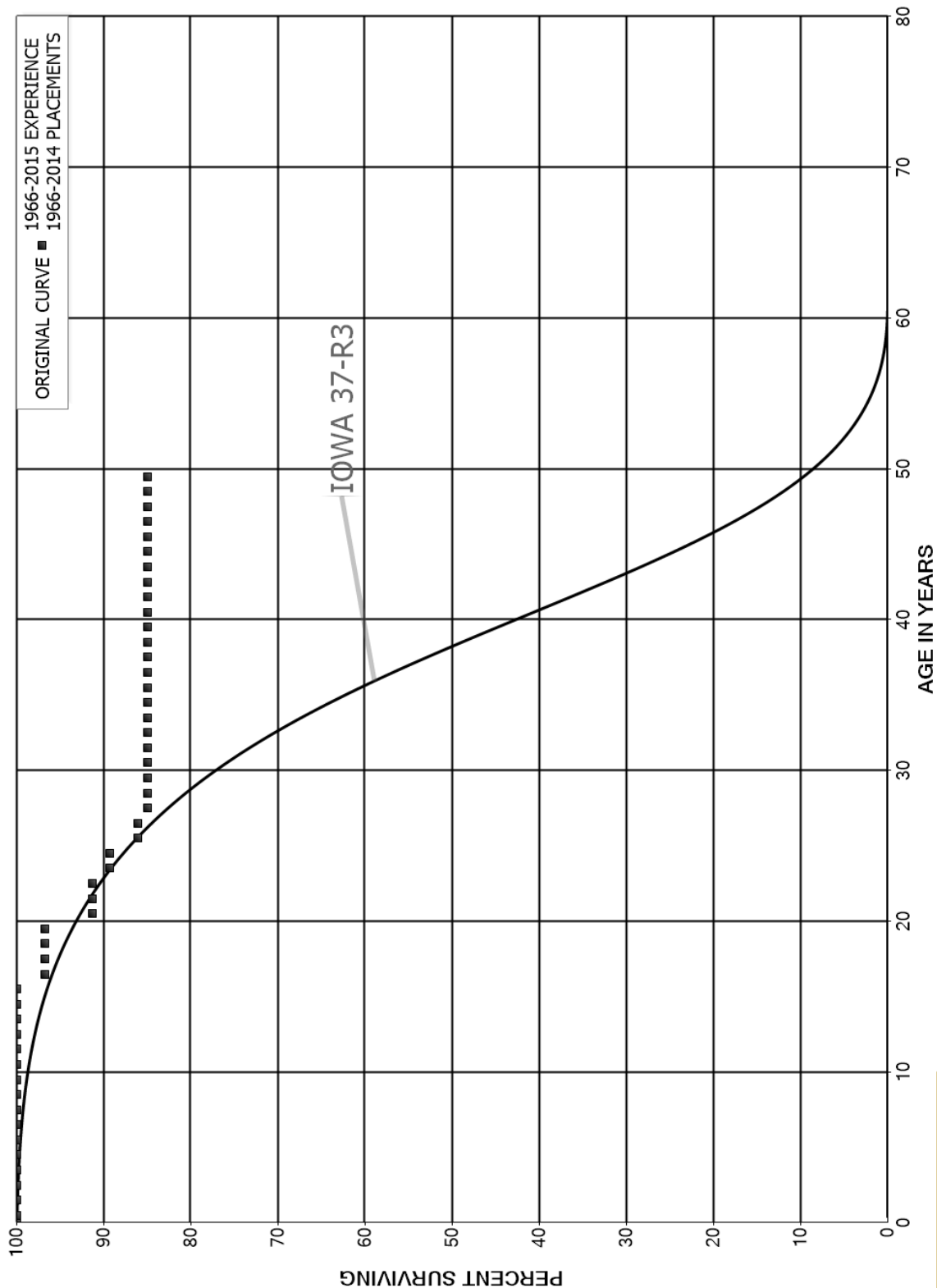
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M04 - METER TEST SWITCHES
ORIGINAL AND SMOOTH SURVIVOR CURVES



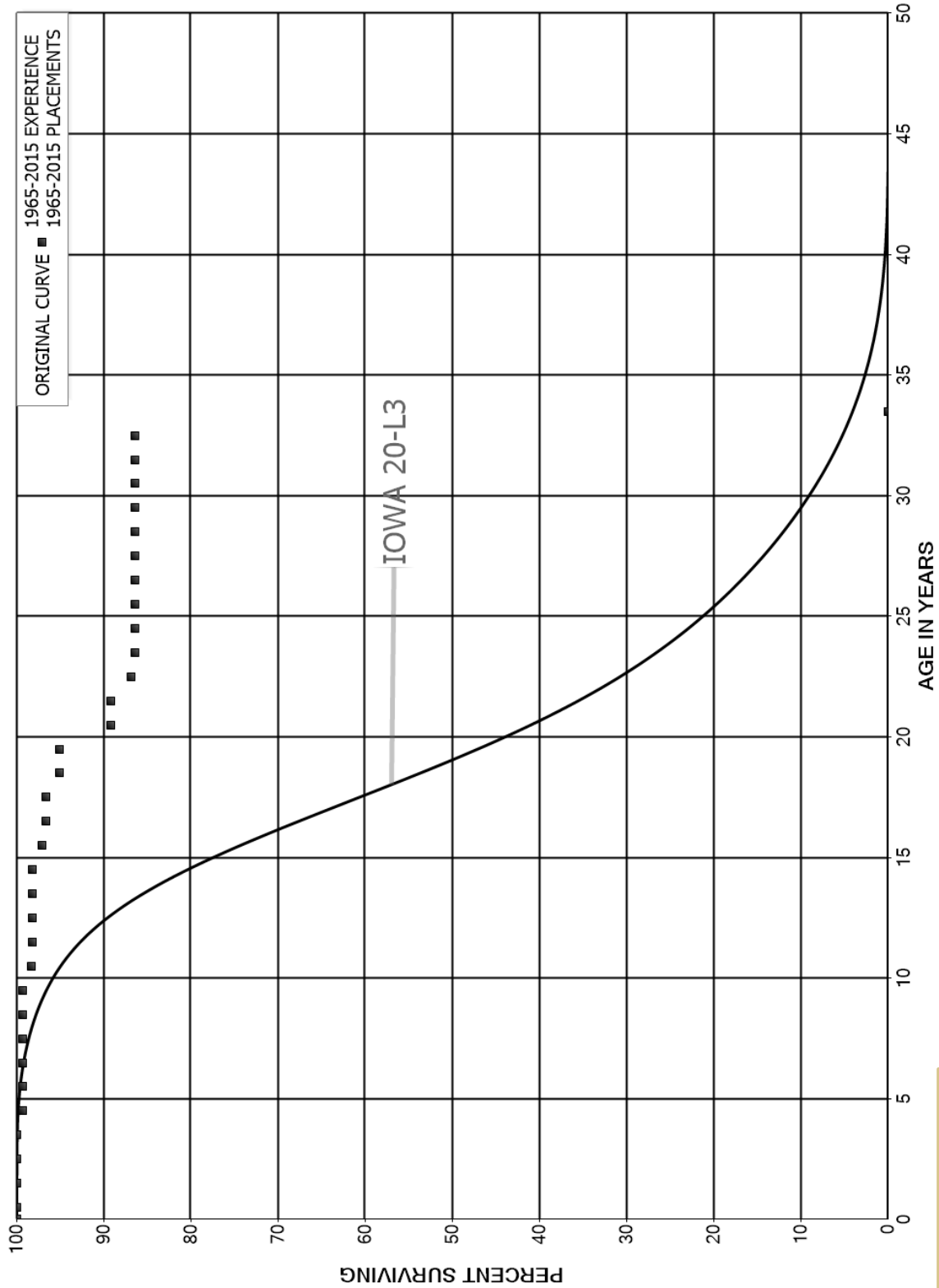
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M05 - METERING TANKS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

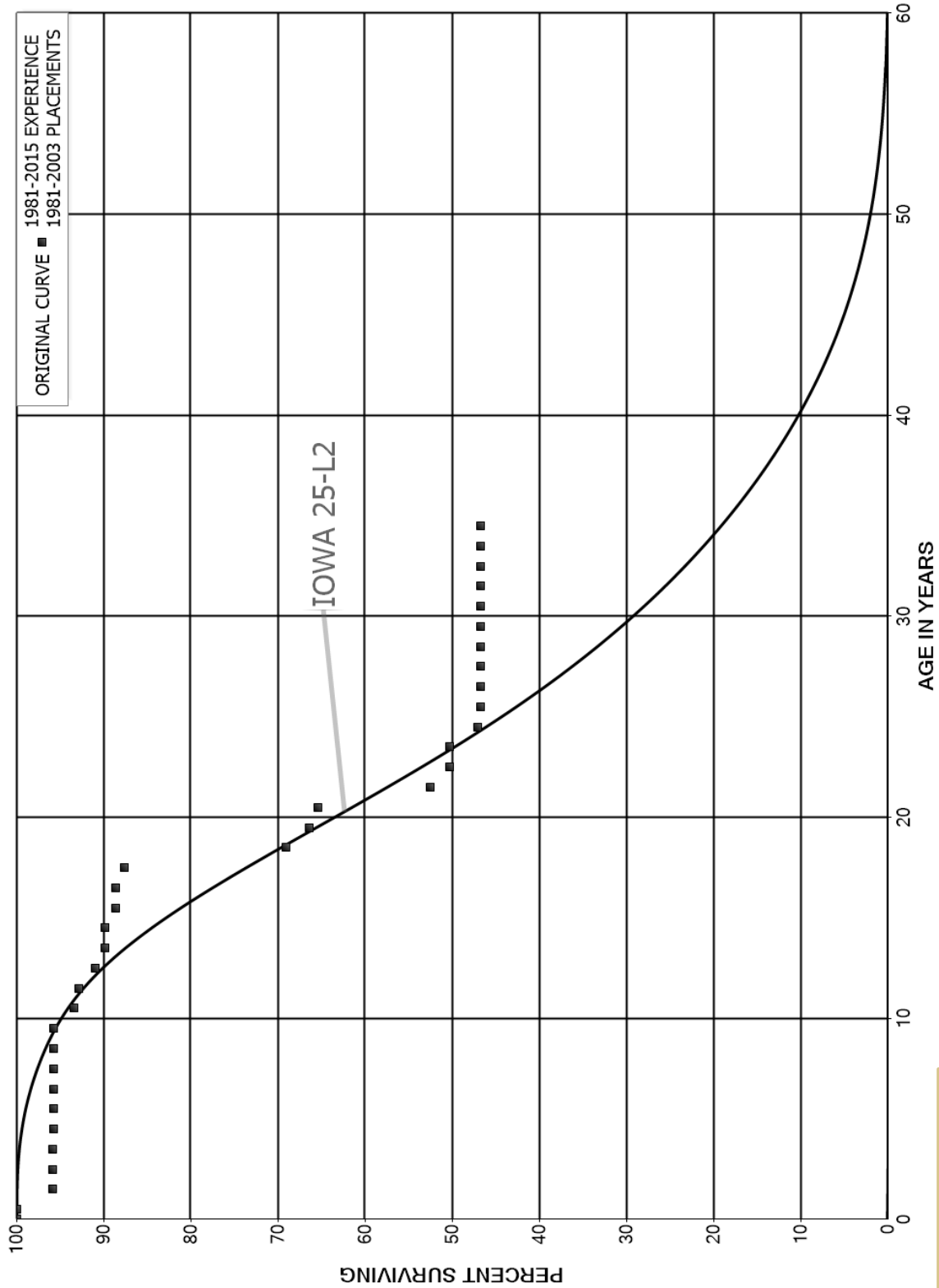
NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M06 - METERS - DIGITAL
ORIGINAL AND SMOOTH SURVIVOR CURVES



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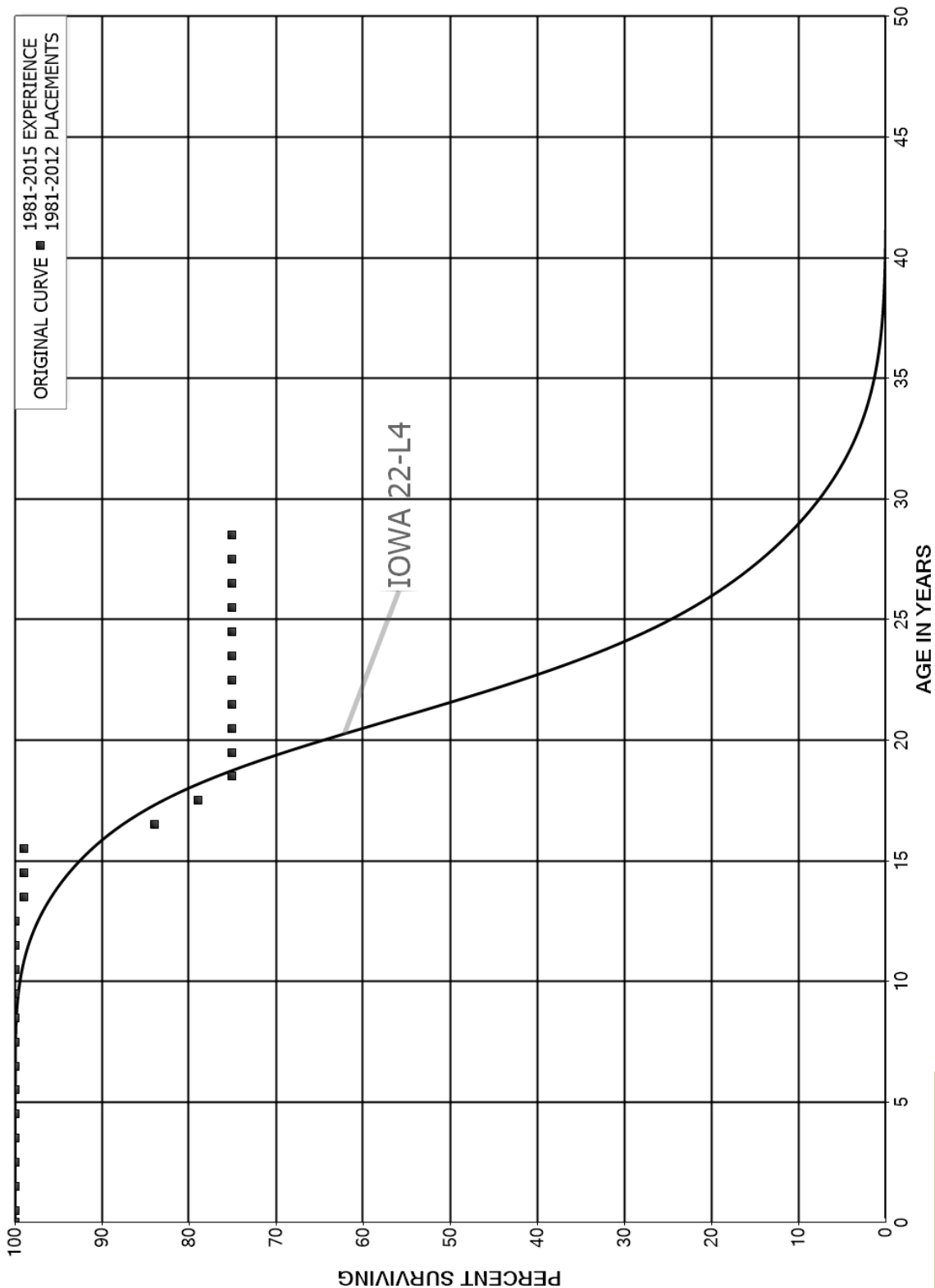
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M07 - METERS - ANALOGUE
ORIGINAL AND SMOOTH SURVIVOR CURVES



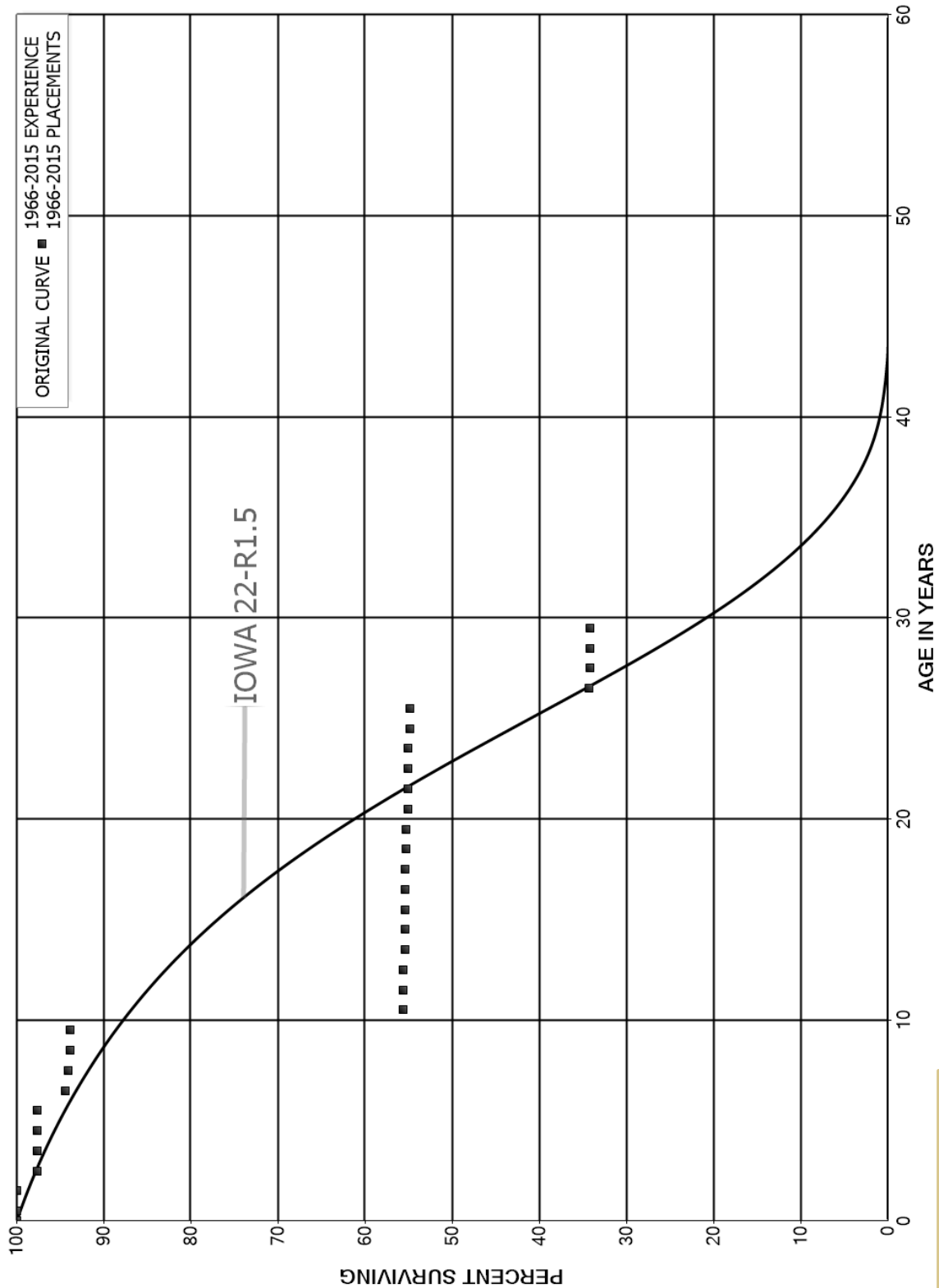
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M08 - METERS - OTHER
ORIGINAL AND SMOOTH SURVIVOR CURVES



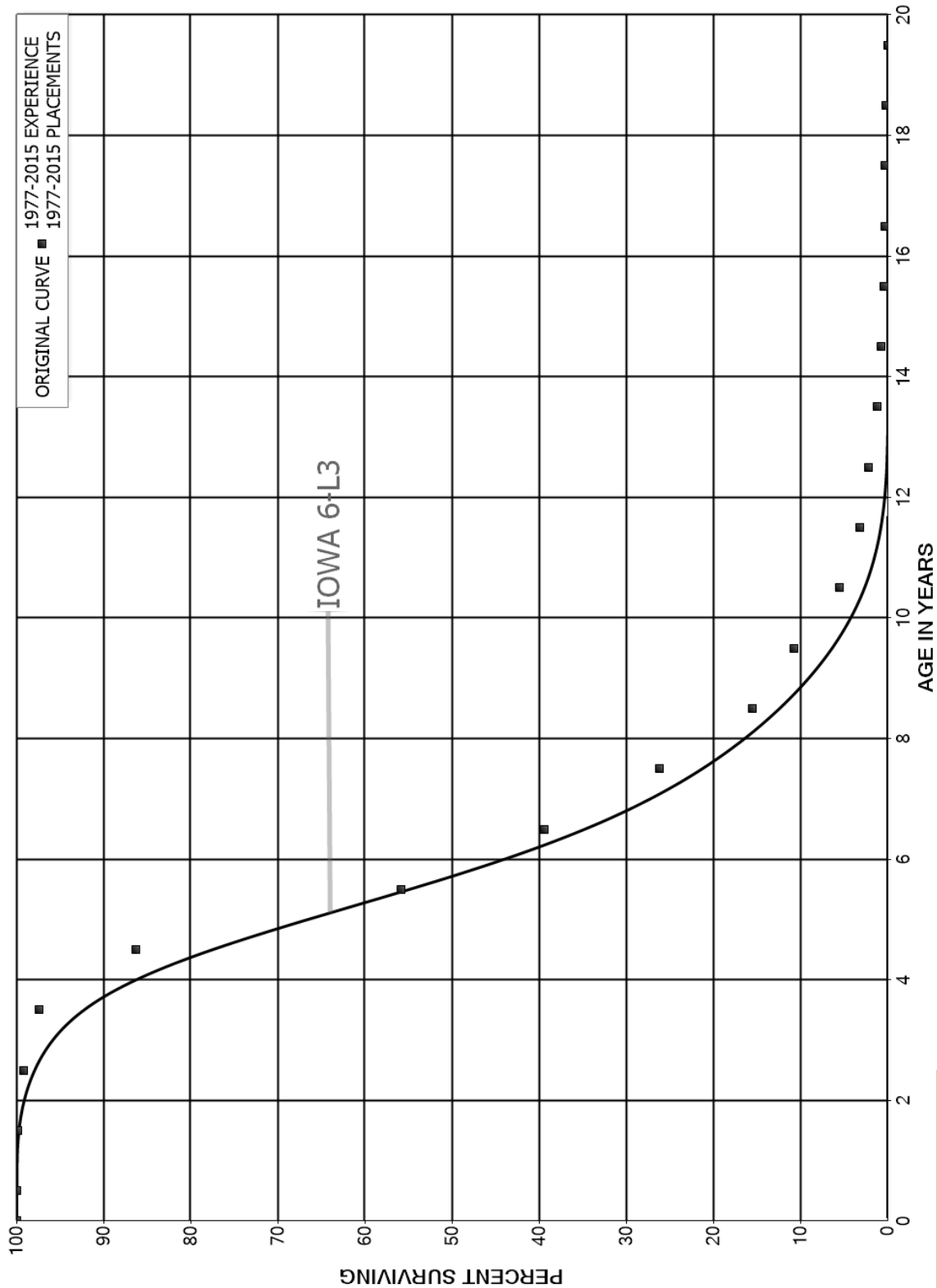
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M10 - MISCELLANEOUS UNITS OF PROPERTY
ORIGINAL AND SMOOTH SURVIVOR CURVES



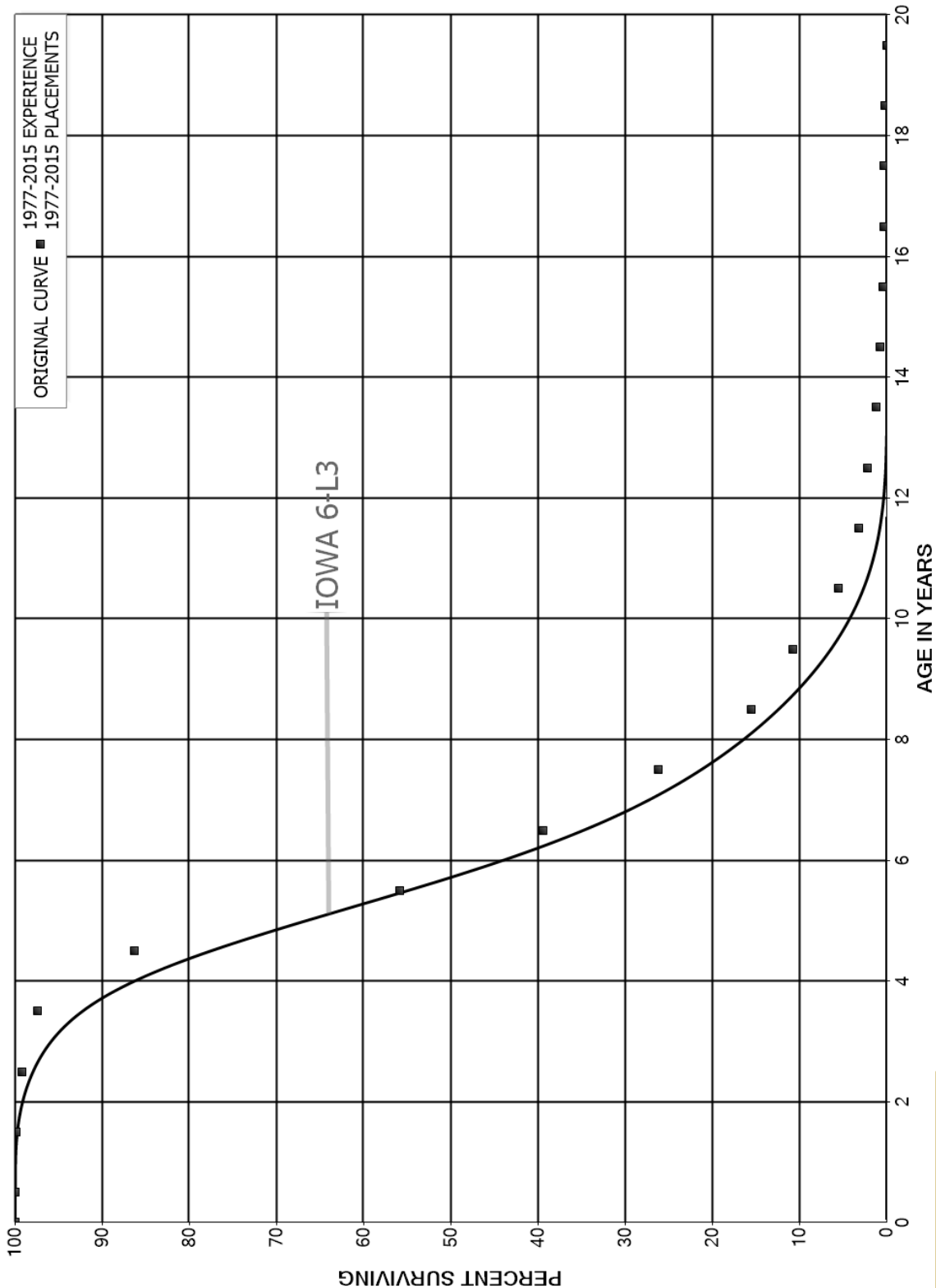
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M11 - MOBILE - A.T.V.'S AND SNOWMOBILES
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M11 - MOBILE - A.T.V.'S AND SNOWMOBILES
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

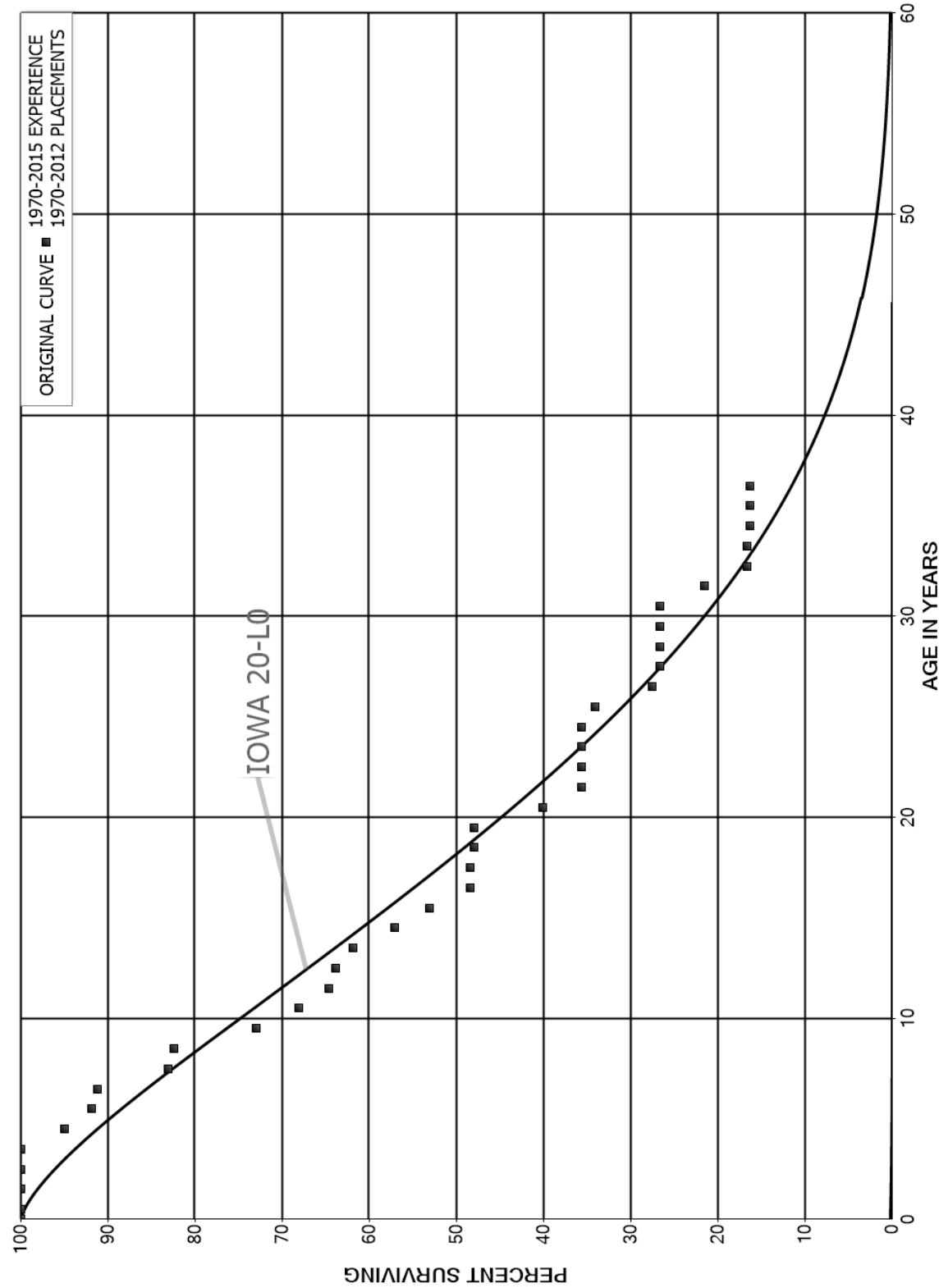
ACCOUNT M11 - MOBILE - A.T.V.'S AND SNOWMOBILES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1977-2015			EXPERIENCE BAND 1977-2015		
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	6,061,677		0.0000	1.0000	100.00
0.5	5,845,920	9,689	0.0017	0.9983	100.00
1.5	5,557,216	37,144	0.0067	0.9933	99.83
2.5	4,716,380	82,946	0.0176	0.9824	99.17
3.5	4,549,851	519,232	0.1141	0.8859	97.42
4.5	3,873,671	1,366,461	0.3528	0.6472	86.30
5.5	2,415,547	712,674	0.2950	0.7050	55.86
6.5	1,545,938	516,406	0.3340	0.6660	39.38
7.5	957,240	392,250	0.4098	0.5902	26.23
8.5	518,137	159,155	0.3072	0.6928	15.48
9.5	358,982	176,273	0.4910	0.5090	10.72
10.5	182,710	77,992	0.4269	0.5731	5.46
11.5	104,718	31,186	0.2978	0.7022	3.13
12.5	73,531	33,933	0.4615	0.5385	2.20
13.5	39,598	14,207	0.3588	0.6412	1.18
14.5	25,391	13,188	0.5194	0.4806	0.76
15.5	12,203	1,071	0.0877	0.9123	0.36
16.5	11,133		0.0000	1.0000	0.33
17.5	11,133	4,833	0.4341	0.5659	0.33
18.5	6,300	6,300	1.0000		0.19
19.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M12 - MOBILE - MIR COMPRESSOR, ATTACHMENT AND BOAT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

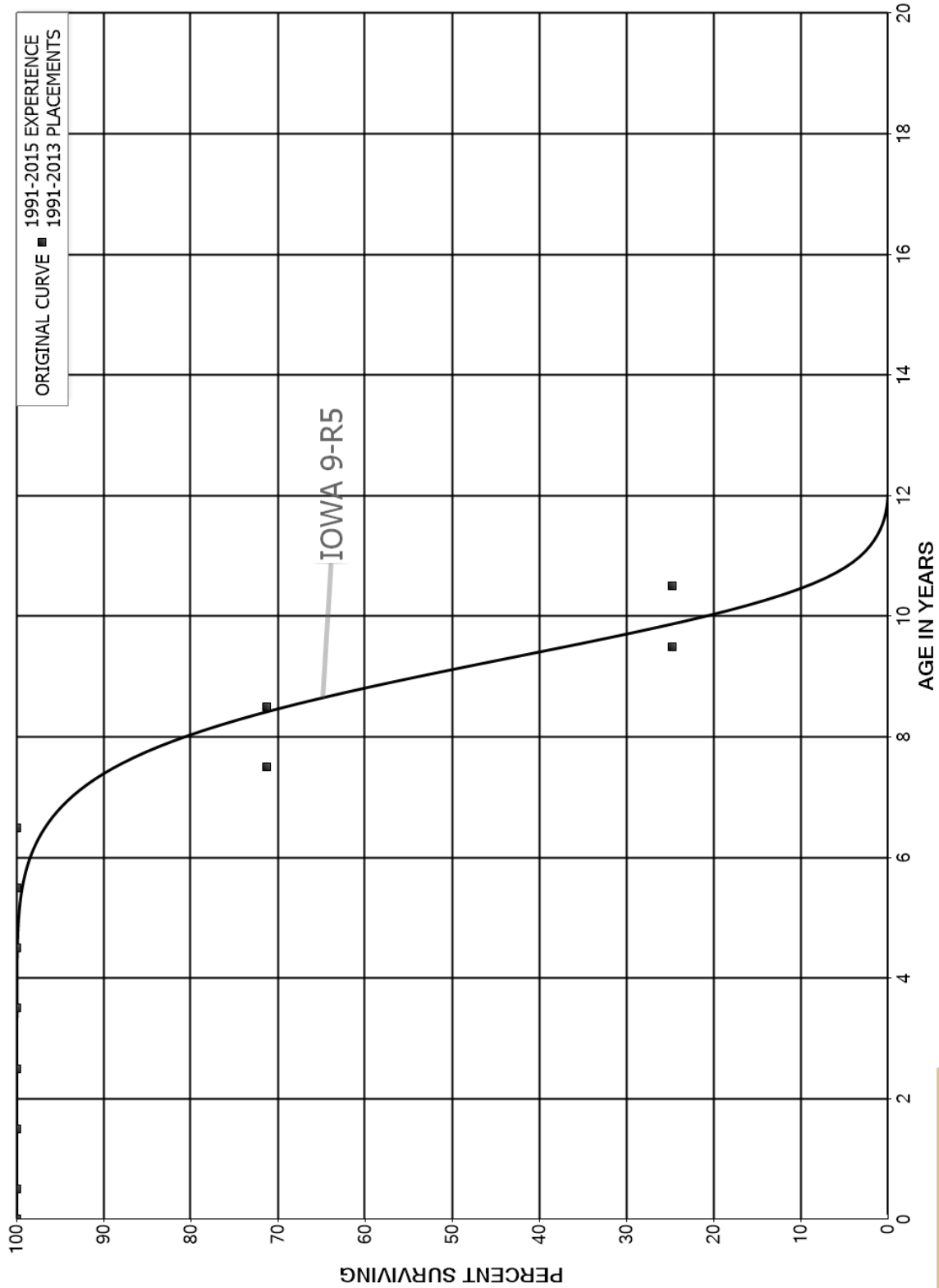
ACCOUNT M12 - MOBILE - MIR COMPRESSOR, ATTACHMENT AND BOAT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1970-2012			EXPERIENCE BAND 1970-2015		
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	1,224,589		0.0000	1.0000	100.00
0.5	1,224,589		0.0000	1.0000	100.00
1.5	1,224,589		0.0000	1.0000	100.00
2.5	1,224,589		0.0000	1.0000	100.00
3.5	1,188,949	59,529	0.0501	0.9499	100.00
4.5	1,105,020	37,266	0.0337	0.9663	94.99
5.5	1,045,065	7,416	0.0071	0.9929	91.79
6.5	959,775	84,500	0.0880	0.9120	91.14
7.5	875,275	8,022	0.0092	0.9908	83.11
8.5	867,253	98,926	0.1141	0.8859	82.35
9.5	755,728	50,889	0.0673	0.9327	72.96
10.5	704,839	35,526	0.0504	0.9496	68.05
11.5	669,313	7,614	0.0114	0.9886	64.62
12.5	661,699	21,388	0.0323	0.9677	63.88
13.5	640,312	49,093	0.0767	0.9233	61.82
14.5	591,218	41,556	0.0703	0.9297	57.08
15.5	531,667	47,217	0.0888	0.9112	53.06
16.5	453,233		0.0000	1.0000	48.35
17.5	450,858	3,364	0.0075	0.9925	48.35
18.5	434,593		0.0000	1.0000	47.99
19.5	422,611	69,632	0.1648	0.8352	47.99
20.5	352,979	39,071	0.1107	0.8893	40.08
21.5	309,846		0.0000	1.0000	35.65
22.5	296,362		0.0000	1.0000	35.65
23.5	296,362		0.0000	1.0000	35.65
24.5	296,362	12,913	0.0436	0.9564	35.65
25.5	283,449	54,660	0.1928	0.8072	34.09
26.5	203,120	6,463	0.0318	0.9682	27.52
27.5	163,907		0.0000	1.0000	26.64
28.5	163,907		0.0000	1.0000	26.64
29.5	148,497		0.0000	1.0000	26.64
30.5	148,497	28,470	0.1917	0.8083	26.64
31.5	120,027	27,712	0.2309	0.7691	21.54
32.5	92,316		0.0000	1.0000	16.56
33.5	92,316	1,318	0.0143	0.9857	16.56
34.5	87,567		0.0000	1.0000	16.33
35.5	87,567		0.0000	1.0000	16.33
36.5					16.33

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M13 - MOBILE - ARGO'S
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

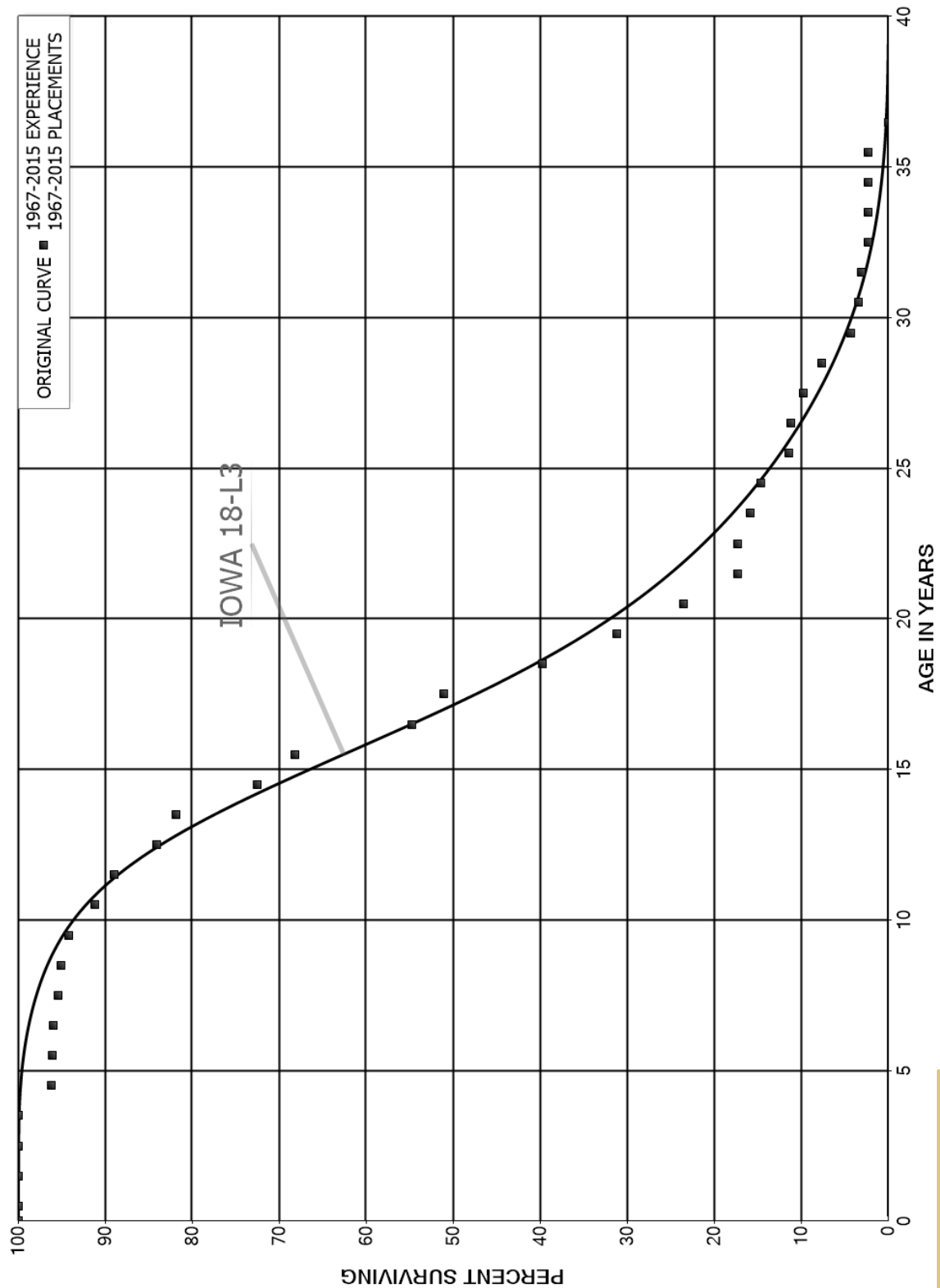
ACCOUNT M13 - MOBILE - ARGO'S

ORIGINAL LIFE TABLE

PLACEMENT BAND 1991-2013			EXPERIENCE BAND 1991-2015		
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	343,875		0.0000	1.0000	100.00
0.5	343,875		0.0000	1.0000	100.00
1.5	343,875		0.0000	1.0000	100.00
2.5	255,321		0.0000	1.0000	100.00
3.5	195,827		0.0000	1.0000	100.00
4.5	173,588		0.0000	1.0000	100.00
5.5	56,588		0.0000	1.0000	100.00
6.5	56,588	16,220	0.2866	0.7134	100.00
7.5	40,368		0.0000	1.0000	71.34
8.5	40,368	26,377	0.6534	0.3466	71.34
9.5	13,991		0.0000	1.0000	24.72
10.5	13,991		0.0000	1.0000	24.72
11.5	13,991		0.0000	1.0000	24.72
12.5	13,991		0.0000	1.0000	24.72
13.5	13,991		0.0000	1.0000	24.72
14.5	13,991		0.0000	1.0000	24.72
15.5	13,991		0.0000	1.0000	24.72
16.5	13,991	13,991	1.0000		24.72
17.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M14 - MOBILE - FLEX/FORK/LOAD/GRADE/MUSK/TRAILER
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

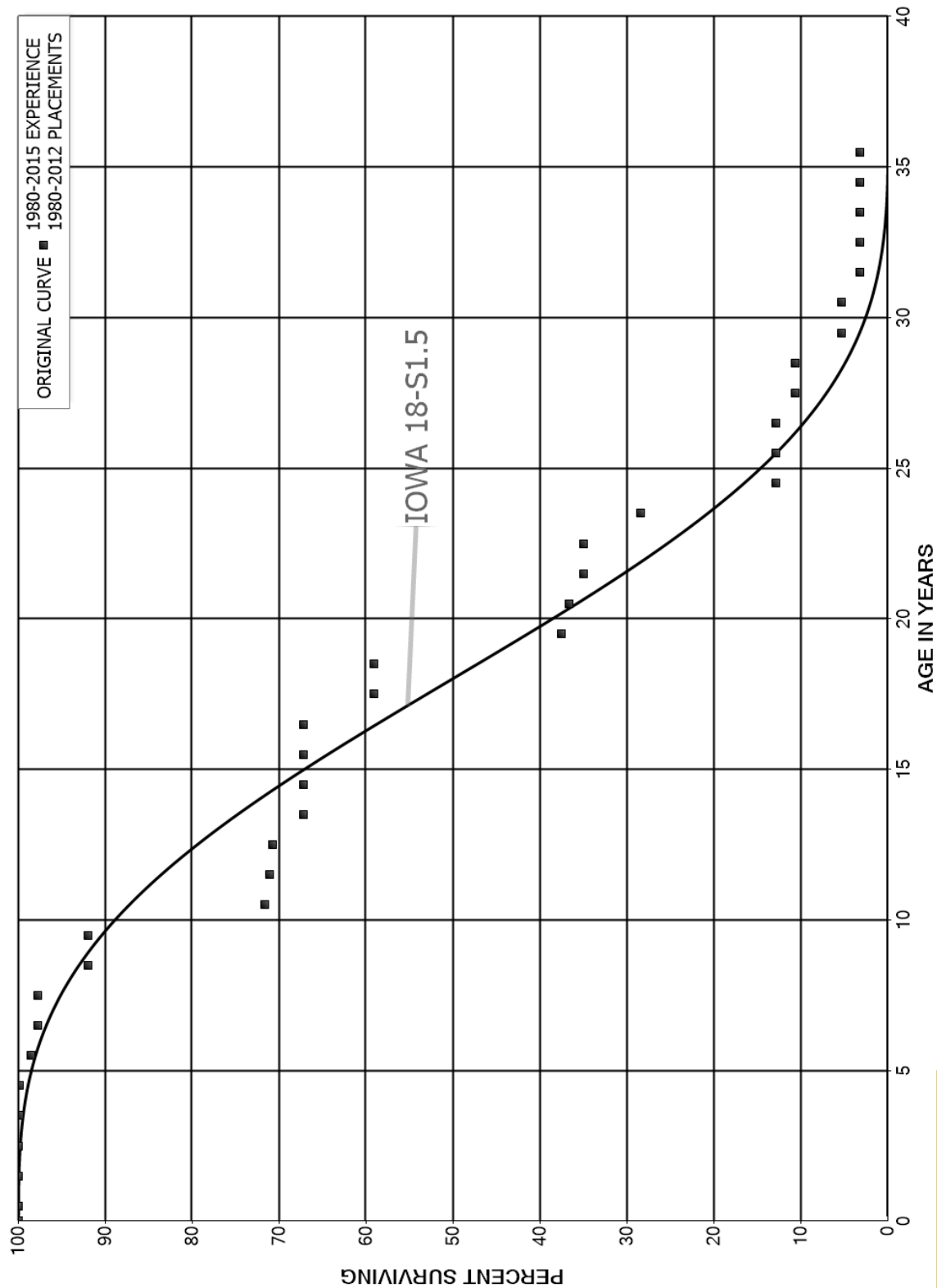
ACCOUNT M14 - MOBILE - FLEX/FORK/LOAD/GRADE/MUSK/TRAILER

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	17,876,198		0.0000	1.0000	100.00
0.5	17,492,063		0.0000	1.0000	100.00
1.5	16,005,972	0	0.0000	1.0000	100.00
2.5	15,642,741	9,892	0.0006	0.9994	100.00
3.5	14,813,600	559,521	0.0378	0.9622	99.94
4.5	12,476,888	11,479	0.0009	0.9991	96.16
5.5	12,113,243	11,947	0.0010	0.9990	96.07
6.5	11,249,730	73,783	0.0066	0.9934	95.98
7.5	10,011,091	27,984	0.0028	0.9972	95.35
8.5	9,586,856	95,432	0.0100	0.9900	95.08
9.5	8,869,152	279,013	0.0315	0.9685	94.14
10.5	8,261,883	197,041	0.0238	0.9762	91.17
11.5	7,928,206	440,074	0.0555	0.9445	89.00
12.5	7,472,133	200,225	0.0268	0.9732	84.06
13.5	7,092,222	810,533	0.1143	0.8857	81.81
14.5	5,998,929	353,540	0.0589	0.9411	72.46
15.5	5,423,264	1,070,658	0.1974	0.8026	68.19
16.5	4,068,796	270,498	0.0665	0.9335	54.73
17.5	3,427,048	763,964	0.2229	0.7771	51.09
18.5	2,663,084	571,122	0.2145	0.7855	39.70
19.5	2,091,962	518,478	0.2478	0.7522	31.19
20.5	1,543,051	404,290	0.2620	0.7380	23.46
21.5	1,138,762	4,981	0.0044	0.9956	17.31
22.5	1,096,786	90,283	0.0823	0.9177	17.24
23.5	861,199	66,170	0.0768	0.9232	15.82
24.5	795,030	175,879	0.2212	0.7788	14.60
25.5	575,470	10,742	0.0187	0.9813	11.37
26.5	478,531	59,596	0.1245	0.8755	11.16
27.5	284,228	62,203	0.2188	0.7812	9.77
28.5	222,025	97,733	0.4402	0.5598	7.63
29.5	124,292	26,479	0.2130	0.7870	4.27
30.5	97,813	7,383	0.0755	0.9245	3.36
31.5	77,352	21,478	0.2777	0.7223	3.11
32.5	55,874	0	0.0000	1.0000	2.25
33.5	45,230		0.0000	1.0000	2.25
34.5	2,486		0.0000	1.0000	2.25
35.5	2,486	2,486	1.0000	0.0000	2.25
36.5	0		0.0000	1.0000	0.00
37.5	0	0	1.0000		0.00
38.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT M16 - MULTIPLEX EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

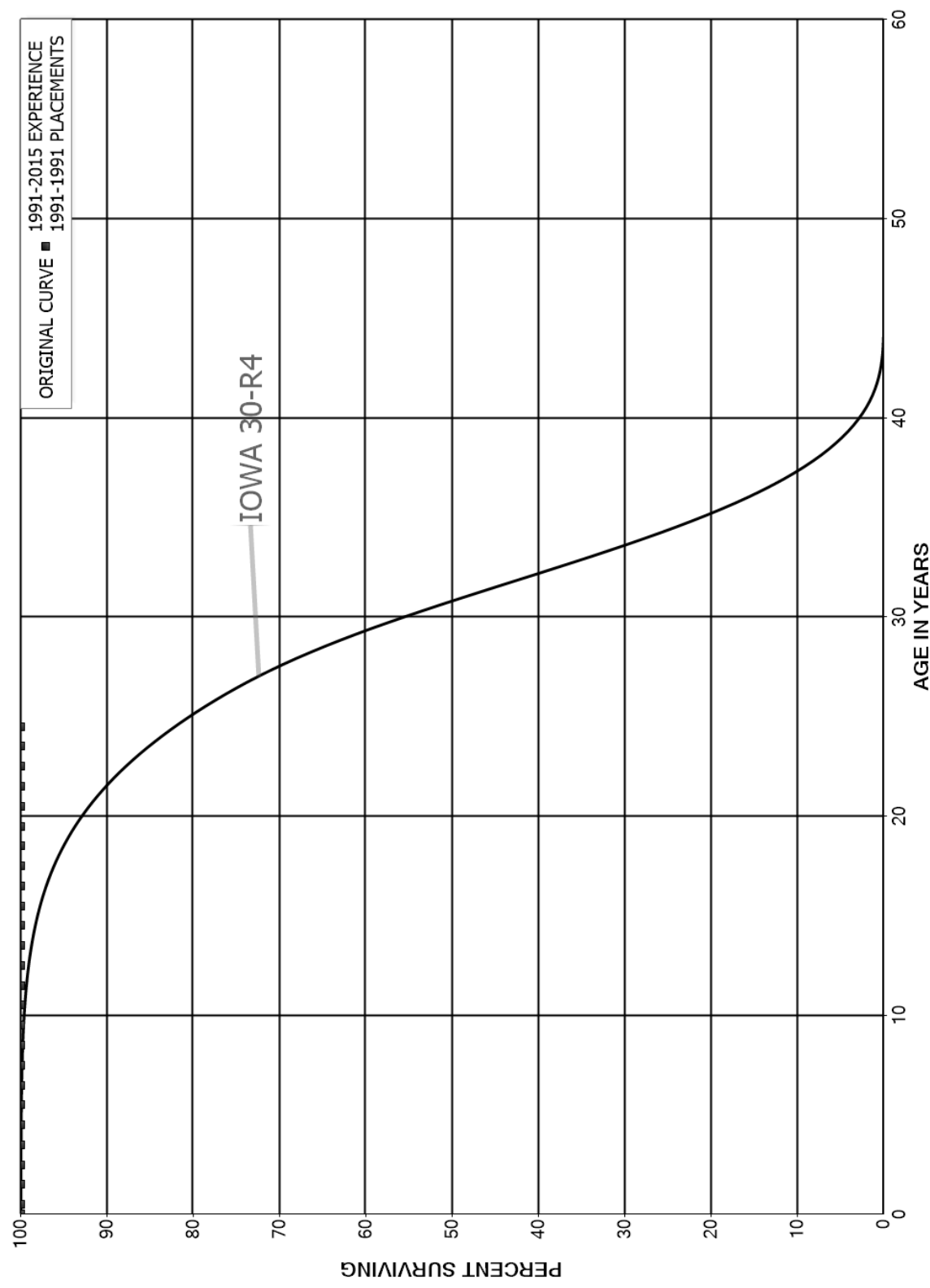
ACCOUNT M16 - MULTIPLEX EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1980-2012			EXPERIENCE BAND 1980-2015		
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	5,919,915		0.0000	1.0000	100.00
0.5	5,919,915		0.0000	1.0000	100.00
1.5	5,919,915		0.0000	1.0000	100.00
2.5	5,919,915	9,167	0.0015	0.9985	100.00
3.5	5,730,526		0.0000	1.0000	99.85
4.5	5,718,497	74,748	0.0131	0.9869	99.85
5.5	5,148,445	43,977	0.0085	0.9915	98.54
6.5	5,104,468		0.0000	1.0000	97.70
7.5	4,965,470	290,128	0.0584	0.9416	97.70
8.5	4,675,342		0.0000	1.0000	91.99
9.5	4,675,342	1,033,622	0.2211	0.7789	91.99
10.5	3,578,900	29,019	0.0081	0.9919	71.65
11.5	3,545,061	15,324	0.0043	0.9957	71.07
12.5	2,920,159	149,749	0.0513	0.9487	70.76
13.5	2,416,439		0.0000	1.0000	67.14
14.5	1,679,635		0.0000	1.0000	67.14
15.5	1,571,171		0.0000	1.0000	67.14
16.5	1,533,979	184,775	0.1205	0.8795	67.14
17.5	1,349,204		0.0000	1.0000	59.05
18.5	1,349,204	492,737	0.3652	0.6348	59.05
19.5	856,467	20,354	0.0238	0.9762	37.48
20.5	836,113	37,588	0.0450	0.9550	36.59
21.5	798,525		0.0000	1.0000	34.95
22.5	798,525	149,665	0.1874	0.8126	34.95
23.5	648,861	354,510	0.5464	0.4536	28.40
24.5	294,351		0.0000	1.0000	12.88
25.5	294,351		0.0000	1.0000	12.88
26.5	294,351	52,098	0.1770	0.8230	12.88
27.5	242,253		0.0000	1.0000	10.60
28.5	242,253	121,314	0.5008	0.4992	10.60
29.5	120,939		0.0000	1.0000	5.29
30.5	120,939	48,924	0.4045	0.5955	5.29
31.5	72,015		0.0000	1.0000	3.15
32.5	72,015		0.0000	1.0000	3.15
33.5	72,015		0.0000	1.0000	3.15
34.5	72,015		0.0000	1.0000	3.15
35.5					3.15

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT P01 - P.C.B. STORAGE CONTAINER
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

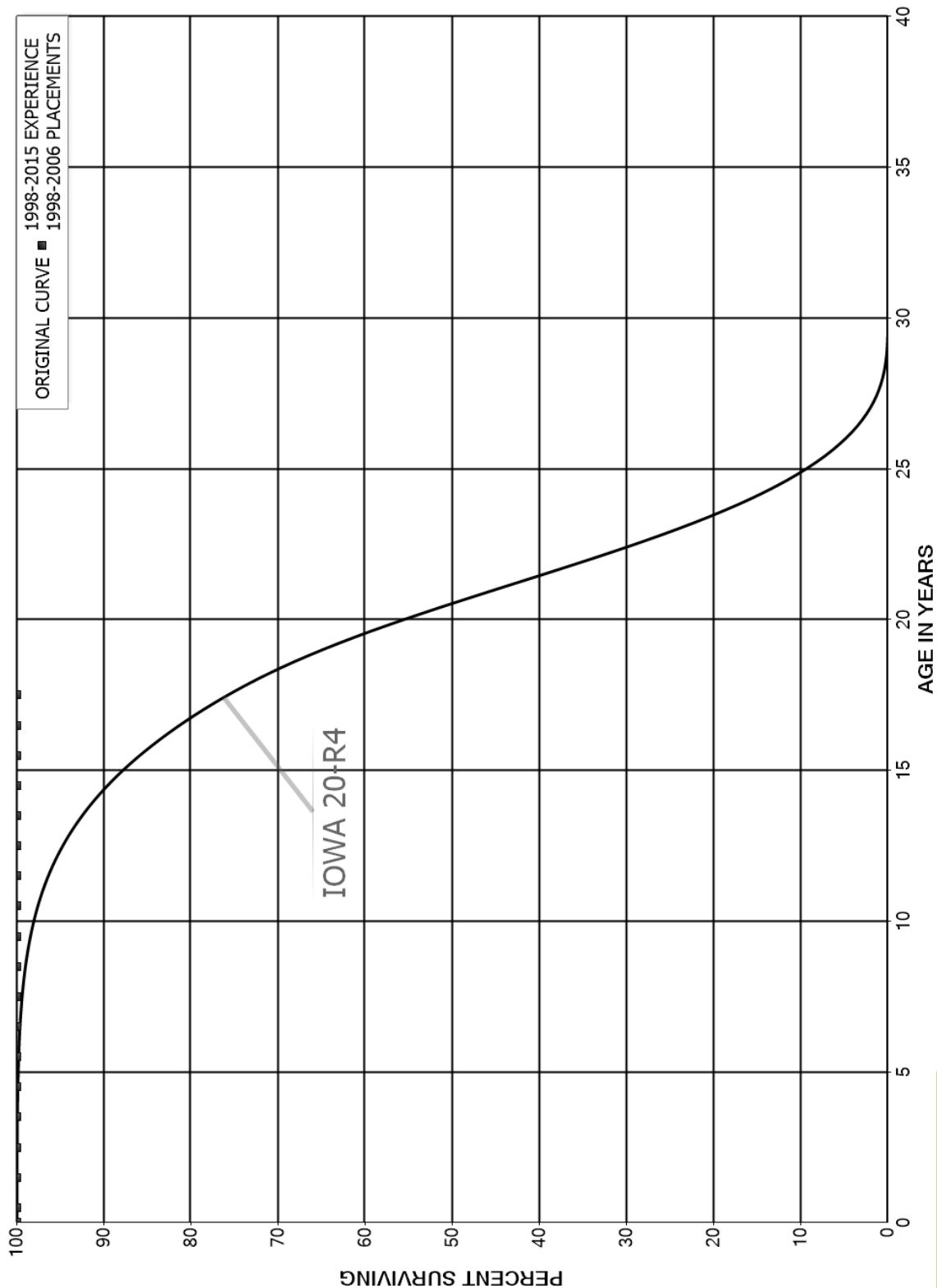
ACCOUNT P01 - P.C.B. STORAGE CONTAINER

ORIGINAL LIFE TABLE

PLACEMENT BAND 1991-1991			EXPERIENCE BAND 1991-2015		
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	42,480		0.0000	1.0000	100.00
0.5	42,480		0.0000	1.0000	100.00
1.5	42,480		0.0000	1.0000	100.00
2.5	42,480		0.0000	1.0000	100.00
3.5	42,480		0.0000	1.0000	100.00
4.5	42,480		0.0000	1.0000	100.00
5.5	42,480		0.0000	1.0000	100.00
6.5	42,480		0.0000	1.0000	100.00
7.5	42,480		0.0000	1.0000	100.00
8.5	42,480		0.0000	1.0000	100.00
9.5	42,480		0.0000	1.0000	100.00
10.5	42,480		0.0000	1.0000	100.00
11.5	42,480		0.0000	1.0000	100.00
12.5	42,480		0.0000	1.0000	100.00
13.5	42,480		0.0000	1.0000	100.00
14.5	42,480		0.0000	1.0000	100.00
15.5	42,480		0.0000	1.0000	100.00
16.5	42,480		0.0000	1.0000	100.00
17.5	42,480		0.0000	1.0000	100.00
18.5	42,480		0.0000	1.0000	100.00
19.5	42,480		0.0000	1.0000	100.00
20.5	42,480		0.0000	1.0000	100.00
21.5	42,480		0.0000	1.0000	100.00
22.5	42,480		0.0000	1.0000	100.00
23.5	42,480		0.0000	1.0000	100.00
24.5					100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT P02 - PRIVATE AUTO BRANCH EXCHANGE
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

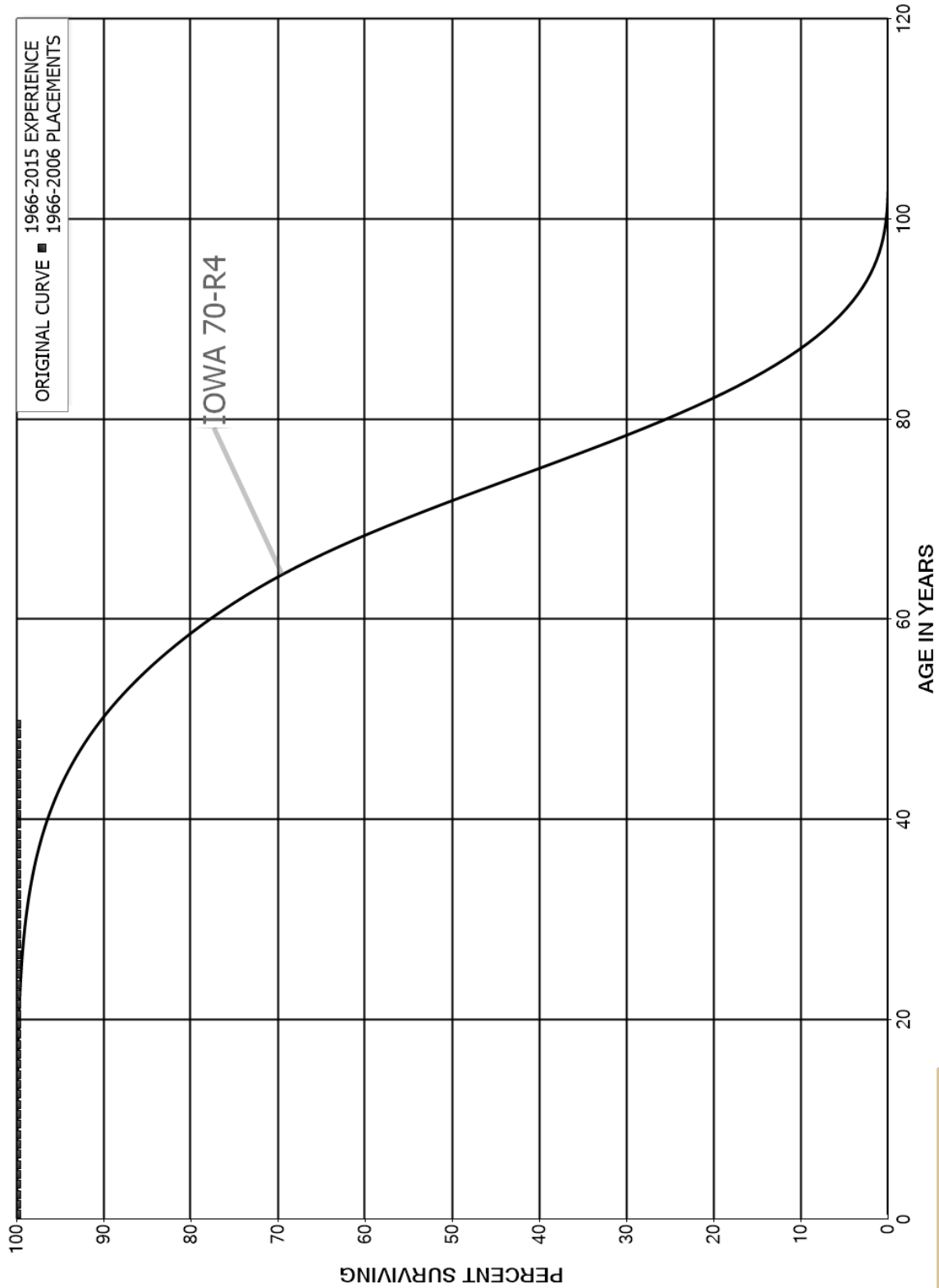
ACCOUNT P02 - PRIVATE AUTO BRANCH EXCHANGE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1998-2006			EXPERIENCE BAND 1998-2015		
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	1,181,009		0.0000	1.0000	100.00
0.5	1,181,009		0.0000	1.0000	100.00
1.5	1,181,009		0.0000	1.0000	100.00
2.5	1,181,009		0.0000	1.0000	100.00
3.5	1,181,009		0.0000	1.0000	100.00
4.5	1,181,009		0.0000	1.0000	100.00
5.5	1,181,009		0.0000	1.0000	100.00
6.5	1,181,009		0.0000	1.0000	100.00
7.5	1,181,009		0.0000	1.0000	100.00
8.5	1,181,009		0.0000	1.0000	100.00
9.5	380,481		0.0000	1.0000	100.00
10.5	380,481		0.0000	1.0000	100.00
11.5	380,481		0.0000	1.0000	100.00
12.5	296,149		0.0000	1.0000	100.00
13.5	296,149		0.0000	1.0000	100.00
14.5	296,149		0.0000	1.0000	100.00
15.5	37,492		0.0000	1.0000	100.00
16.5	37,492		0.0000	1.0000	100.00
17.5					100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT P03 - PENSTOCK
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P03 - PENSTOCK

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2006			EXPERIENCE BAND 1966-2015		
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	58,908,421		0.0000	1.0000	100.00
0.5	58,908,421		0.0000	1.0000	100.00
1.5	58,908,421		0.0000	1.0000	100.00
2.5	58,908,421		0.0000	1.0000	100.00
3.5	58,908,421		0.0000	1.0000	100.00
4.5	58,908,421		0.0000	1.0000	100.00
5.5	58,908,421		0.0000	1.0000	100.00
6.5	58,908,421		0.0000	1.0000	100.00
7.5	58,908,421		0.0000	1.0000	100.00
8.5	58,908,421		0.0000	1.0000	100.00
9.5	56,760,952		0.0000	1.0000	100.00
10.5	56,760,952		0.0000	1.0000	100.00
11.5	56,760,952		0.0000	1.0000	100.00
12.5	50,028,727		0.0000	1.0000	100.00
13.5	50,028,727		0.0000	1.0000	100.00
14.5	50,028,727		0.0000	1.0000	100.00
15.5	50,028,727		0.0000	1.0000	100.00
16.5	50,028,727		0.0000	1.0000	100.00
17.5	50,028,727		0.0000	1.0000	100.00
18.5	50,028,727		0.0000	1.0000	100.00
19.5	50,028,727		0.0000	1.0000	100.00
20.5	50,028,727		0.0000	1.0000	100.00
21.5	50,028,727		0.0000	1.0000	100.00
22.5	50,028,727		0.0000	1.0000	100.00
23.5	50,028,727		0.0000	1.0000	100.00
24.5	50,028,727		0.0000	1.0000	100.00
25.5	50,028,727		0.0000	1.0000	100.00
26.5	49,614,170		0.0000	1.0000	100.00
27.5	49,614,170		0.0000	1.0000	100.00
28.5	49,614,170		0.0000	1.0000	100.00
29.5	49,614,170		0.0000	1.0000	100.00
30.5	44,923,599		0.0000	1.0000	100.00
31.5	44,923,599		0.0000	1.0000	100.00
32.5	44,923,599		0.0000	1.0000	100.00
33.5	31,951,196		0.0000	1.0000	100.00
34.5	31,951,196		0.0000	1.0000	100.00
35.5	31,951,196		0.0000	1.0000	100.00
36.5	20,920,528		0.0000	1.0000	100.00
37.5	20,920,528		0.0000	1.0000	100.00
38.5	20,920,528		0.0000	1.0000	100.00

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

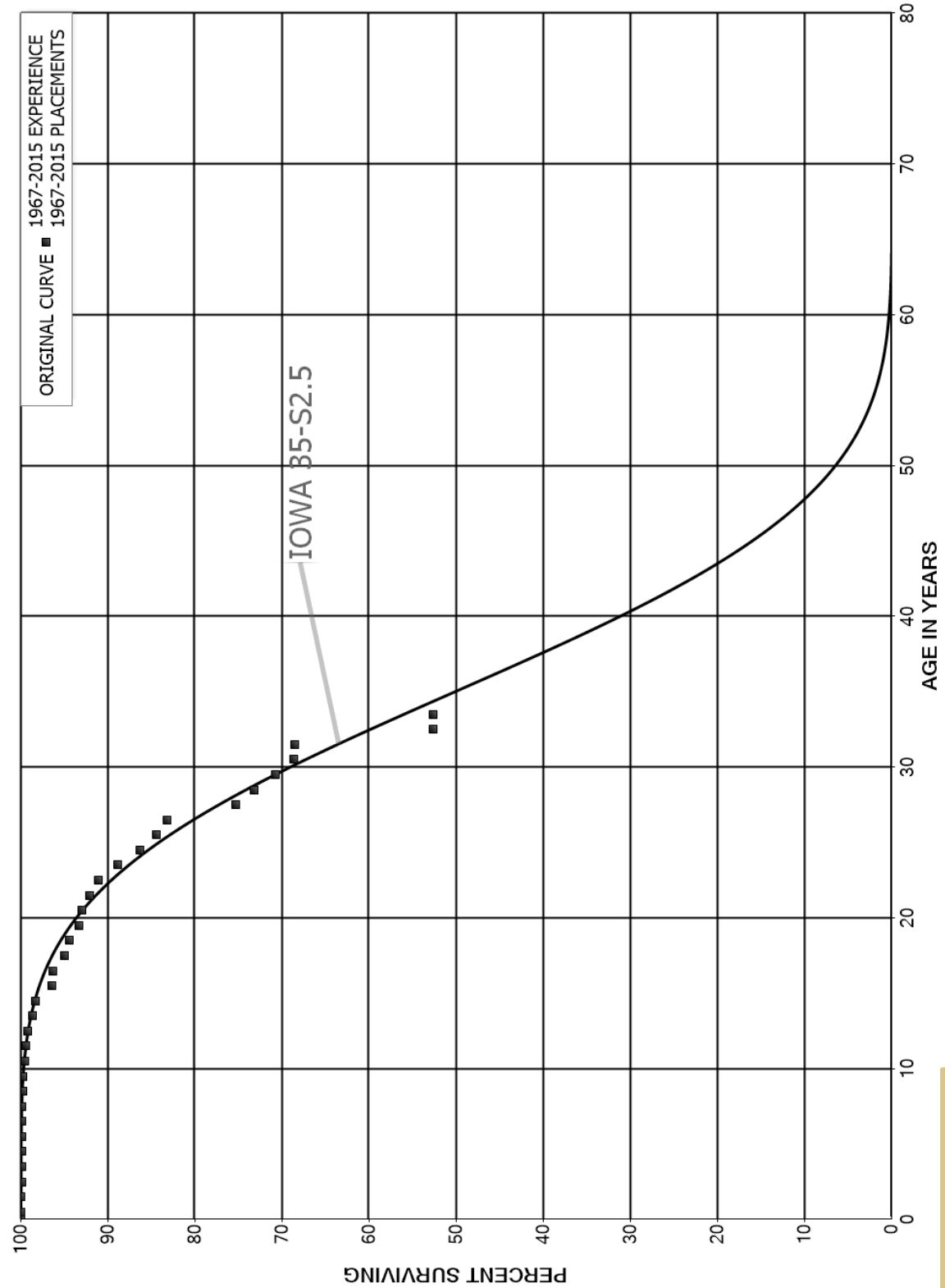
ACCOUNT P03 - PENSTOCK

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2006			EXPERIENCE BAND 1966-2015		
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	20,920,528		0.0000	1.0000	100.00
40.5	20,920,528		0.0000	1.0000	100.00
41.5	20,920,528		0.0000	1.0000	100.00
42.5	20,920,528		0.0000	1.0000	100.00
43.5	20,920,528		0.0000	1.0000	100.00
44.5	20,920,528		0.0000	1.0000	100.00
45.5	20,569,173		0.0000	1.0000	100.00
46.5	20,569,173		0.0000	1.0000	100.00
47.5	20,569,173		0.0000	1.0000	100.00
48.5	13,597,173		0.0000	1.0000	100.00
49.5					100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT P04 - POLE CRIBS AND POLE HARDWARE
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P04 - POLE CRIBS AND POLE HARDWARE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	128,071,519	13,079	0.0001	0.9999	100.00
0.5	119,928,189	1,409	0.0000	1.0000	99.99
1.5	118,045,861	168,412	0.0014	0.9986	99.99
2.5	101,937,882	334	0.0000	1.0000	99.85
3.5	94,281,980	3,838	0.0000	1.0000	99.85
4.5	87,193,005	1,365	0.0000	1.0000	99.84
5.5	82,148,886	2,253	0.0000	1.0000	99.84
6.5	76,504,284	10,701	0.0001	0.9999	99.84
7.5	70,791,042	47,163	0.0007	0.9993	99.82
8.5	66,769,994	4,606	0.0001	0.9999	99.76
9.5	62,228,255	136,209	0.0022	0.9978	99.75
10.5	58,629,230	49,983	0.0009	0.9991	99.53
11.5	54,976,388	178,942	0.0033	0.9967	99.45
12.5	51,531,940	269,870	0.0052	0.9948	99.12
13.5	46,527,439	128,839	0.0028	0.9972	98.60
14.5	43,999,472	853,523	0.0194	0.9806	98.33
15.5	41,095,562	77,359	0.0019	0.9981	96.42
16.5	39,645,688	527,125	0.0133	0.9867	96.24
17.5	37,239,882	236,143	0.0063	0.9937	94.96
18.5	32,118,454	361,539	0.0113	0.9887	94.36
19.5	29,123,498	90,892	0.0031	0.9969	93.30
20.5	27,171,095	266,486	0.0098	0.9902	93.01
21.5	25,324,911	281,449	0.0111	0.9889	92.09
22.5	23,751,430	587,323	0.0247	0.9753	91.07
23.5	22,068,413	627,221	0.0284	0.9716	88.82
24.5	19,674,036	431,812	0.0219	0.9781	86.29
25.5	17,480,564	263,135	0.0151	0.9849	84.40
26.5	15,521,387	1,473,870	0.0950	0.9050	83.13
27.5	12,892,687	360,356	0.0280	0.9720	75.24
28.5	10,381,049	345,037	0.0332	0.9668	73.13
29.5	8,842,401	255,623	0.0289	0.9711	70.70
30.5	7,850,257	18,235	0.0023	0.9977	68.66
31.5	6,935,636	1,604,104	0.2313	0.7687	68.50
32.5	4,603,834	621	0.0001	0.9999	52.66
33.5	3,174,930	2,029	0.0006	0.9994	52.65
34.5	111,582	10,434	0.0935	0.9065	52.62
35.5	101,148		0.0000	1.0000	47.70
36.5	99,734	4,429	0.0444	0.9556	47.70
37.5	83,544	3,452	0.0413	0.9587	45.58
38.5	80,092		0.0000	1.0000	43.69

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

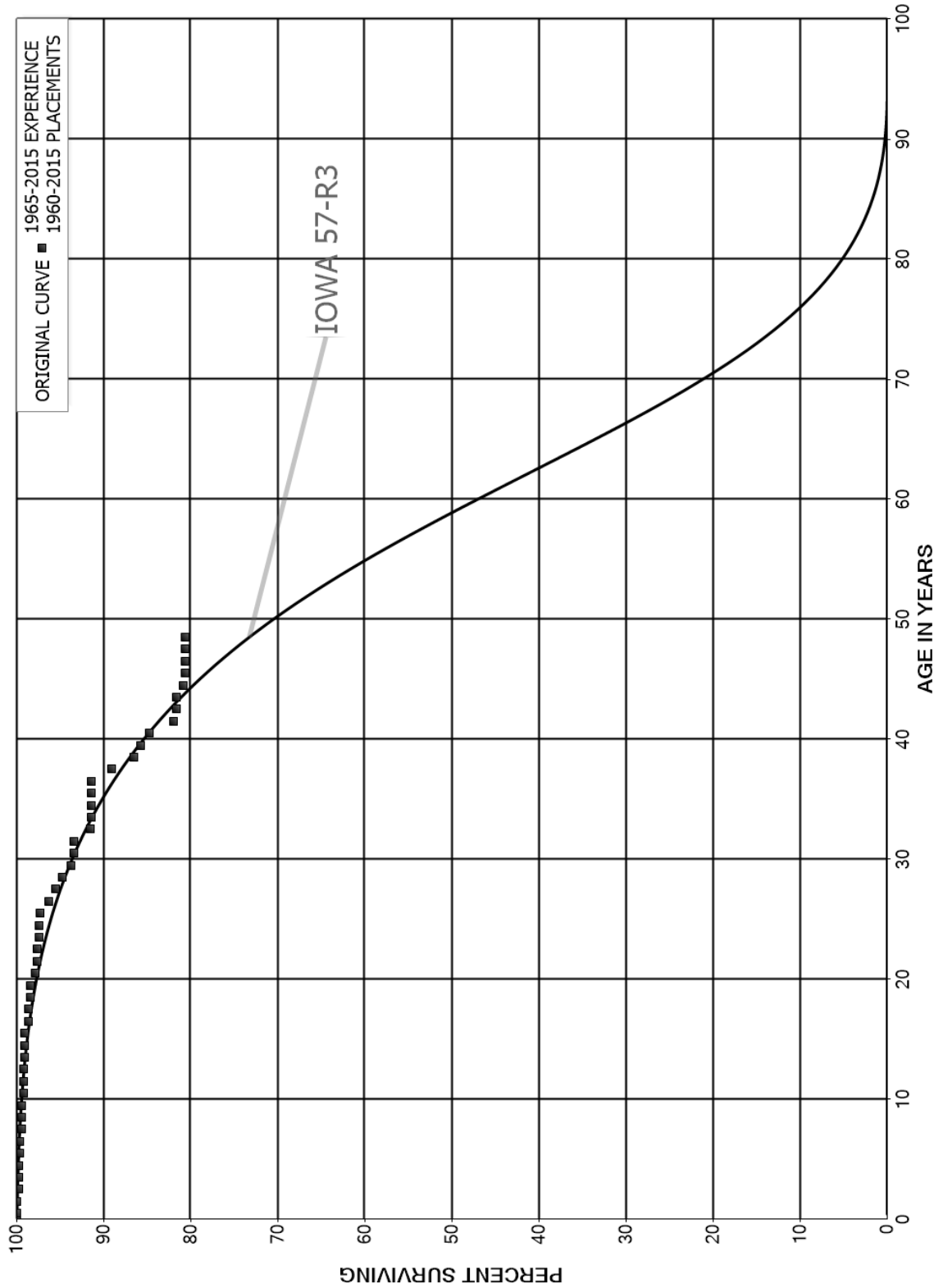
ACCOUNT P04 - POLE CRIBS AND POLE HARDWARE

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	80,092	1,160	0.0145	0.9855	43.69
40.5	78,932		0.0000	1.0000	43.06
41.5	78,932		0.0000	1.0000	43.06
42.5	78,932		0.0000	1.0000	43.06
43.5	78,932		0.0000	1.0000	43.06
44.5	78,932		0.0000	1.0000	43.06
45.5	1,845		0.0000	1.0000	43.06
46.5	1,845		0.0000	1.0000	43.06
47.5					43.06

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT P05 - POLE STRUCTURES - WOOD
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P05 - POLE STRUCTURES - WOOD

ORIGINAL LIFE TABLE

PLACEMENT BAND 1960-2015			EXPERIENCE BAND 1965-2015		
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	135,794,090		0.0000	1.0000	100.00
0.5	131,957,484		0.0000	1.0000	100.00
1.5	127,172,604	337,672	0.0027	0.9973	100.00
2.5	124,343,720		0.0000	1.0000	99.73
3.5	121,844,733	12,298	0.0001	0.9999	99.73
4.5	118,272,859	112,436	0.0010	0.9990	99.72
5.5	117,568,751	13,981	0.0001	0.9999	99.63
6.5	114,509,260	212,848	0.0019	0.9981	99.62
7.5	111,437,597	16,188	0.0001	0.9999	99.43
8.5	110,933,863	35,151	0.0003	0.9997	99.42
9.5	106,346,800	234,549	0.0022	0.9978	99.39
10.5	103,596,673		0.0000	1.0000	99.17
11.5	103,141,550		0.0000	1.0000	99.17
12.5	98,855,866	102,297	0.0010	0.9990	99.17
13.5	97,646,721		0.0000	1.0000	99.06
14.5	93,443,406		0.0000	1.0000	99.06
15.5	86,662,267	418,135	0.0048	0.9952	99.06
16.5	86,162,302		0.0000	1.0000	98.59
17.5	82,915,154	166,301	0.0020	0.9980	98.59
18.5	82,464,363	28,403	0.0003	0.9997	98.39
19.5	76,421,769	444,290	0.0058	0.9942	98.36
20.5	72,949,918	96,255	0.0013	0.9987	97.78
21.5	72,737,944	28,205	0.0004	0.9996	97.65
22.5	72,582,415	127,411	0.0018	0.9982	97.62
23.5	72,311,898	75,469	0.0010	0.9990	97.45
24.5	72,013,176	67,071	0.0009	0.9991	97.34
25.5	48,011,423	463,896	0.0097	0.9903	97.25
26.5	46,962,028	380,463	0.0081	0.9919	96.31
27.5	43,941,372	368,422	0.0084	0.9916	95.53
28.5	38,765,136	428,013	0.0110	0.9890	94.73
29.5	38,167,539	100,429	0.0026	0.9974	93.69
30.5	36,025,707	6,855	0.0002	0.9998	93.44
31.5	35,575,825	731,323	0.0206	0.9794	93.42
32.5	29,055,987	21,318	0.0007	0.9993	91.50
33.5	22,184,602	7,549	0.0003	0.9997	91.43
34.5	16,158,260	2,301	0.0001	0.9999	91.40
35.5	15,288,343	1,480	0.0001	0.9999	91.39
36.5	15,282,951	380,974	0.0249	0.9751	91.38
37.5	9,302,607	268,297	0.0288	0.9712	89.10
38.5	8,744,708	82,696	0.0095	0.9905	86.53

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

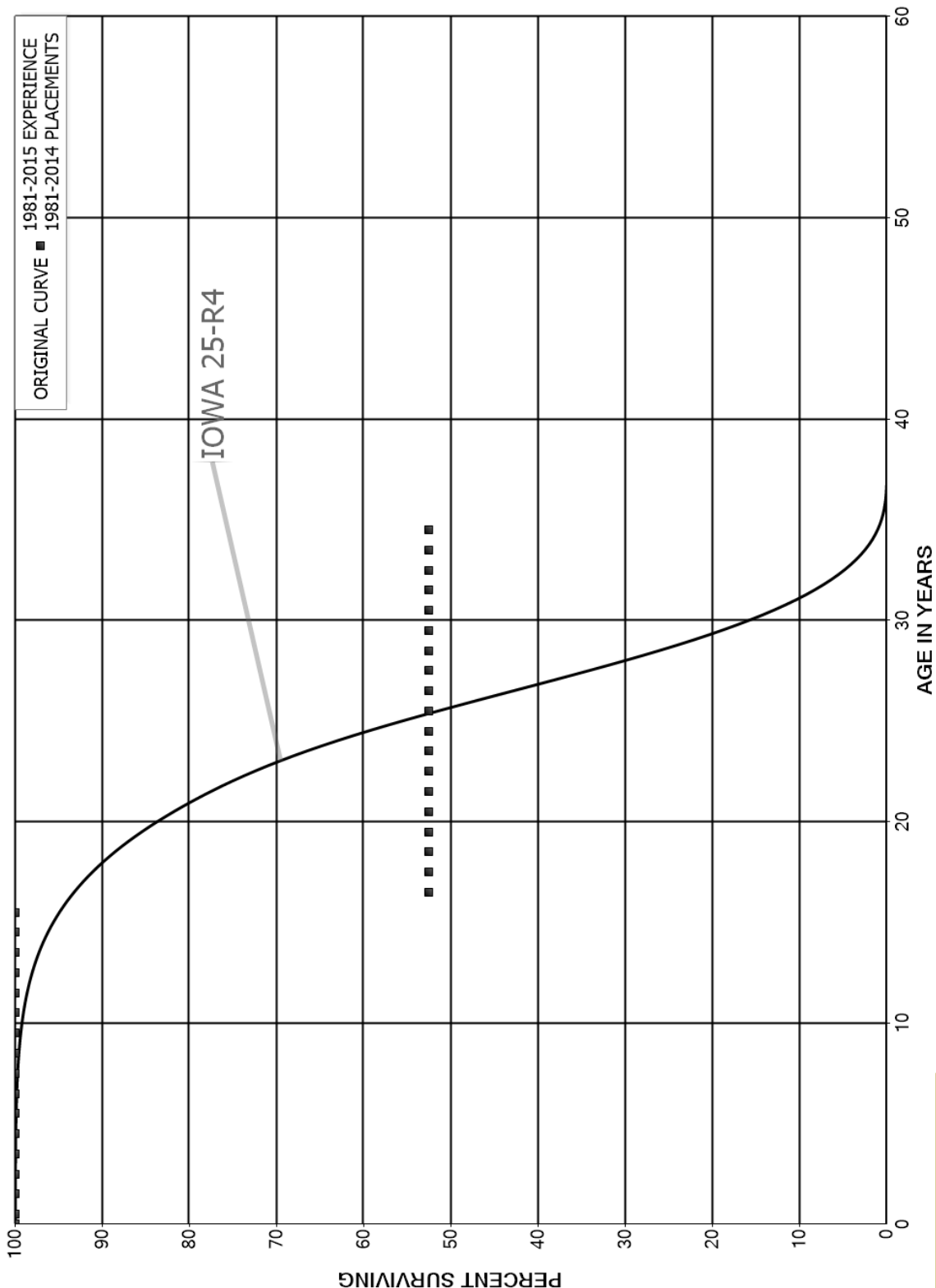
ACCOUNT P05 - POLE STRUCTURES - WOOD

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1960-2015			EXPERIENCE BAND 1965-2015		
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	8,550,283	97,486	0.0114	0.9886	85.71
40.5	8,448,254	277,795	0.0329	0.9671	84.74
41.5	5,360,936	24,278	0.0045	0.9955	81.95
42.5	5,336,658		0.0000	1.0000	81.58
43.5	5,336,658	46,880	0.0088	0.9912	81.58
44.5	5,269,090	12,661	0.0024	0.9976	80.86
45.5	2,475,936		0.0000	1.0000	80.67
46.5	2,055,270		0.0000	1.0000	80.67
47.5	1,368,472		0.0000	1.0000	80.67
48.5					80.67

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT P06 - POLES - CONCRETE
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

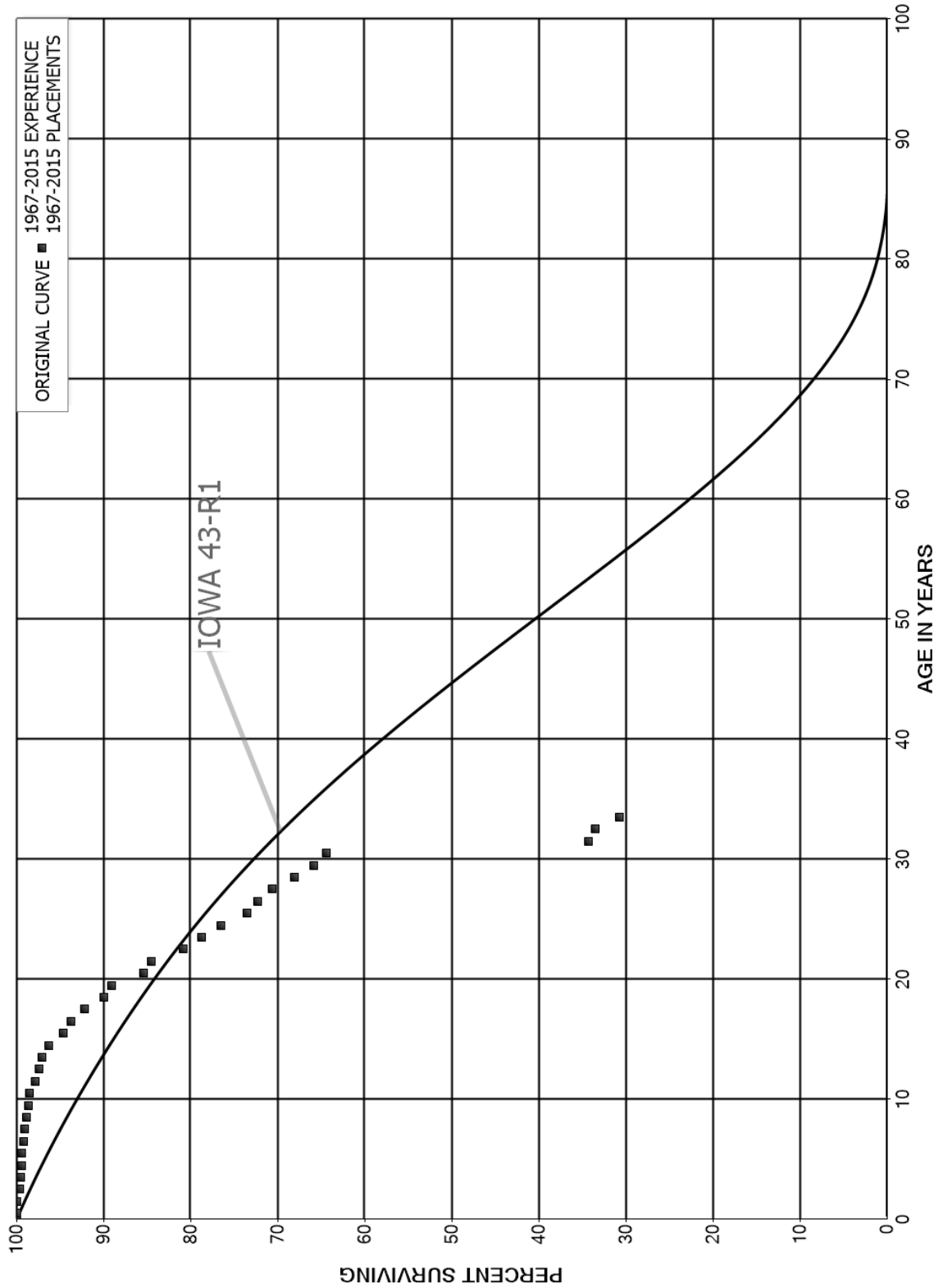
ACCOUNT P06 - POLES - CONCRETE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1981-2014			EXPERIENCE BAND 1981-2015		
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	599,885		0.0000	1.0000	100.00
0.5	599,885		0.0000	1.0000	100.00
1.5	575,788		0.0000	1.0000	100.00
2.5	575,788		0.0000	1.0000	100.00
3.5	575,788		0.0000	1.0000	100.00
4.5	575,788		0.0000	1.0000	100.00
5.5	575,788		0.0000	1.0000	100.00
6.5	575,788		0.0000	1.0000	100.00
7.5	575,788		0.0000	1.0000	100.00
8.5	575,788		0.0000	1.0000	100.00
9.5	575,788		0.0000	1.0000	100.00
10.5	560,013		0.0000	1.0000	100.00
11.5	560,013		0.0000	1.0000	100.00
12.5	560,013		0.0000	1.0000	100.00
13.5	560,013		0.0000	1.0000	100.00
14.5	560,013		0.0000	1.0000	100.00
15.5	560,013	266,125	0.4752	0.5248	100.00
16.5	293,316		0.0000	1.0000	52.48
17.5	293,316		0.0000	1.0000	52.48
18.5	291,677		0.0000	1.0000	52.48
19.5	291,677		0.0000	1.0000	52.48
20.5	291,677		0.0000	1.0000	52.48
21.5	257,201		0.0000	1.0000	52.48
22.5	257,201		0.0000	1.0000	52.48
23.5	257,201		0.0000	1.0000	52.48
24.5	257,201		0.0000	1.0000	52.48
25.5	234,066		0.0000	1.0000	52.48
26.5	234,066		0.0000	1.0000	52.48
27.5	234,066		0.0000	1.0000	52.48
28.5	223,750		0.0000	1.0000	52.48
29.5	154,611		0.0000	1.0000	52.48
30.5	154,611		0.0000	1.0000	52.48
31.5	95,671		0.0000	1.0000	52.48
32.5	95,671		0.0000	1.0000	52.48
33.5	23,208		0.0000	1.0000	52.48
34.5					52.48

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT P07 - POLES - WOOD
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P07 - POLES - WOOD

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	83,580,934	40,059	0.0005	0.9995	100.00
0.5	75,308,999	28,423	0.0004	0.9996	99.95
1.5	70,556,380	208,455	0.0030	0.9970	99.91
2.5	65,541,762	68,646	0.0010	0.9990	99.62
3.5	61,689,873	67,574	0.0011	0.9989	99.51
4.5	59,162,963	26,767	0.0005	0.9995	99.41
5.5	52,735,804	71,829	0.0014	0.9986	99.36
6.5	51,224,152	103,083	0.0020	0.9980	99.23
7.5	49,210,897	111,679	0.0023	0.9977	99.03
8.5	47,056,044	84,825	0.0018	0.9982	98.80
9.5	42,734,152	66,534	0.0016	0.9984	98.62
10.5	40,720,690	260,085	0.0064	0.9936	98.47
11.5	39,030,080	156,707	0.0040	0.9960	97.84
12.5	37,359,461	164,429	0.0044	0.9956	97.45
13.5	30,921,577	246,717	0.0080	0.9920	97.02
14.5	29,403,583	510,161	0.0174	0.9826	96.24
15.5	27,747,417	251,517	0.0091	0.9909	94.57
16.5	26,544,727	447,461	0.0169	0.9831	93.72
17.5	24,944,338	607,529	0.0244	0.9756	92.14
18.5	22,387,909	205,456	0.0092	0.9908	89.89
19.5	20,605,159	861,043	0.0418	0.9582	89.07
20.5	18,792,449	196,789	0.0105	0.9895	85.35
21.5	17,257,295	728,894	0.0422	0.9578	84.45
22.5	15,575,912	423,108	0.0272	0.9728	80.89
23.5	14,395,418	399,475	0.0278	0.9722	78.69
24.5	13,166,348	510,198	0.0388	0.9612	76.51
25.5	11,654,551	199,912	0.0172	0.9828	73.54
26.5	9,848,035	224,445	0.0228	0.9772	72.28
27.5	8,679,615	312,730	0.0360	0.9640	70.63
28.5	7,265,878	235,291	0.0324	0.9676	68.09
29.5	6,128,894	142,688	0.0233	0.9767	65.88
30.5	5,854,651	2,737,687	0.4676	0.5324	64.35
31.5	2,686,461	55,829	0.0208	0.9792	34.26
32.5	2,282,571	191,717	0.0840	0.9160	33.55
33.5	1,604,053	25,151	0.0157	0.9843	30.73
34.5	25,456		0.0000	1.0000	30.25
35.5	25,456		0.0000	1.0000	30.25
36.5	25,169	954	0.0379	0.9621	30.25
37.5	21,294	1,929	0.0906	0.9094	29.10
38.5	19,365	527	0.0272	0.9728	26.46

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

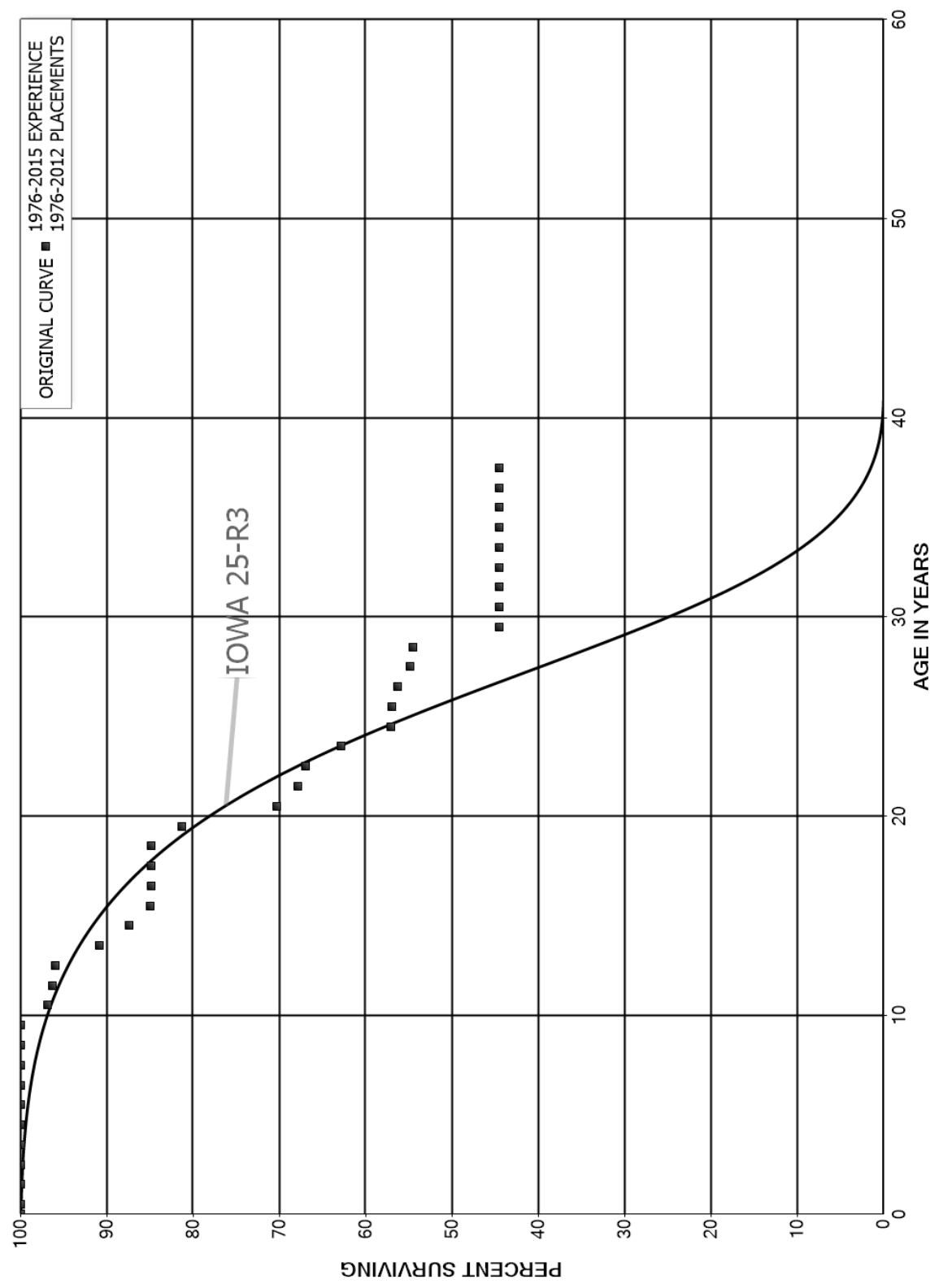
ACCOUNT P07 - POLES - WOOD

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	18,839		0.0000	1.0000	25.75
40.5	18,839		0.0000	1.0000	25.75
41.5	18,839		0.0000	1.0000	25.75
42.5	18,839		0.0000	1.0000	25.75
43.5	18,839		0.0000	1.0000	25.75
44.5	18,839		0.0000	1.0000	25.75
45.5	1,430		0.0000	1.0000	25.75
46.5	1,430		0.0000	1.0000	25.75
47.5					25.75

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT P08 - POWER LINE CARRIER
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

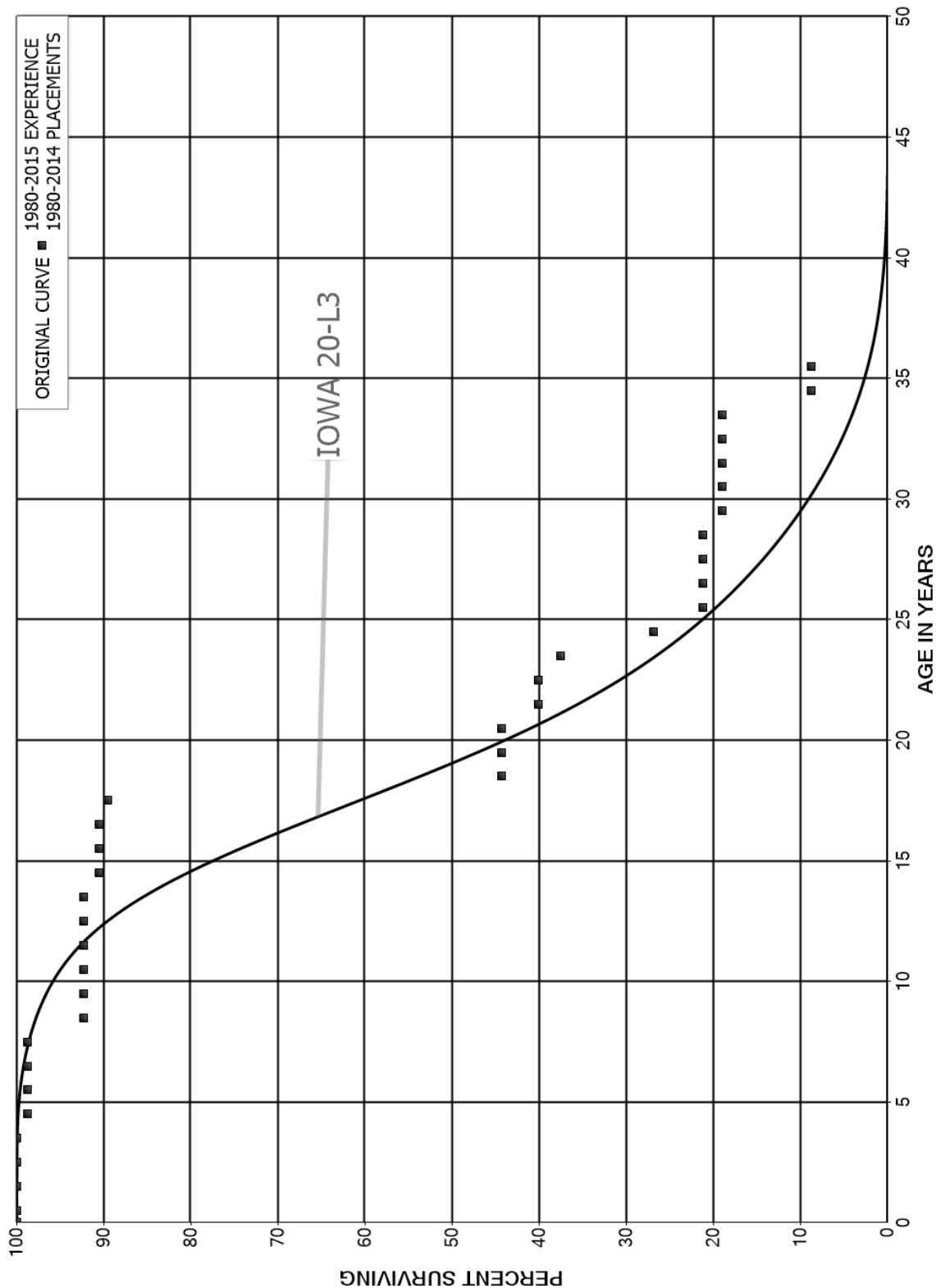
ACCOUNT P08 - POWER LINE CARRIER

ORIGINAL LIFE TABLE

PLACEMENT BAND 1976-2012			EXPERIENCE BAND 1976-2015		
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	6,720,295		0.0000	1.0000	100.00
0.5	6,720,295		0.0000	1.0000	100.00
1.5	6,720,295		0.0000	1.0000	100.00
2.5	6,720,295		0.0000	1.0000	100.00
3.5	6,709,545		0.0000	1.0000	100.00
4.5	6,709,545		0.0000	1.0000	100.00
5.5	6,709,545		0.0000	1.0000	100.00
6.5	6,358,277		0.0000	1.0000	100.00
7.5	5,989,724	744	0.0001	0.9999	100.00
8.5	5,988,980		0.0000	1.0000	99.99
9.5	5,988,980	185,763	0.0310	0.9690	99.99
10.5	5,803,217	34,114	0.0059	0.9941	96.89
11.5	5,482,029	20,092	0.0037	0.9963	96.32
12.5	5,203,757	280,286	0.0539	0.9461	95.96
13.5	4,328,816	161,080	0.0372	0.9628	90.79
14.5	4,167,736	116,380	0.0279	0.9721	87.42
15.5	2,882,813	4,683	0.0016	0.9984	84.98
16.5	2,345,658		0.0000	1.0000	84.84
17.5	2,345,658		0.0000	1.0000	84.84
18.5	2,345,658	97,722	0.0417	0.9583	84.84
19.5	2,132,112	288,410	0.1353	0.8647	81.30
20.5	1,524,034	54,146	0.0355	0.9645	70.31
21.5	1,469,888	17,575	0.0120	0.9880	67.81
22.5	1,452,313	89,404	0.0616	0.9384	67.00
23.5	1,362,910	125,054	0.0918	0.9082	62.87
24.5	1,237,856	3,286	0.0027	0.9973	57.10
25.5	1,232,572	14,196	0.0115	0.9885	56.95
26.5	1,218,377	30,612	0.0251	0.9749	56.30
27.5	1,187,764	6,999	0.0059	0.9941	54.88
28.5	1,180,765	216,792	0.1836	0.8164	54.56
29.5	963,973	1,384	0.0014	0.9986	44.54
30.5	962,588		0.0000	1.0000	44.48
31.5	962,588		0.0000	1.0000	44.48
32.5	962,588		0.0000	1.0000	44.48
33.5	952,437		0.0000	1.0000	44.48
34.5	952,437		0.0000	1.0000	44.48
35.5	50,795		0.0000	1.0000	44.48
36.5	50,795		0.0000	1.0000	44.48
37.5					44.48

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT P09 - POWER SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

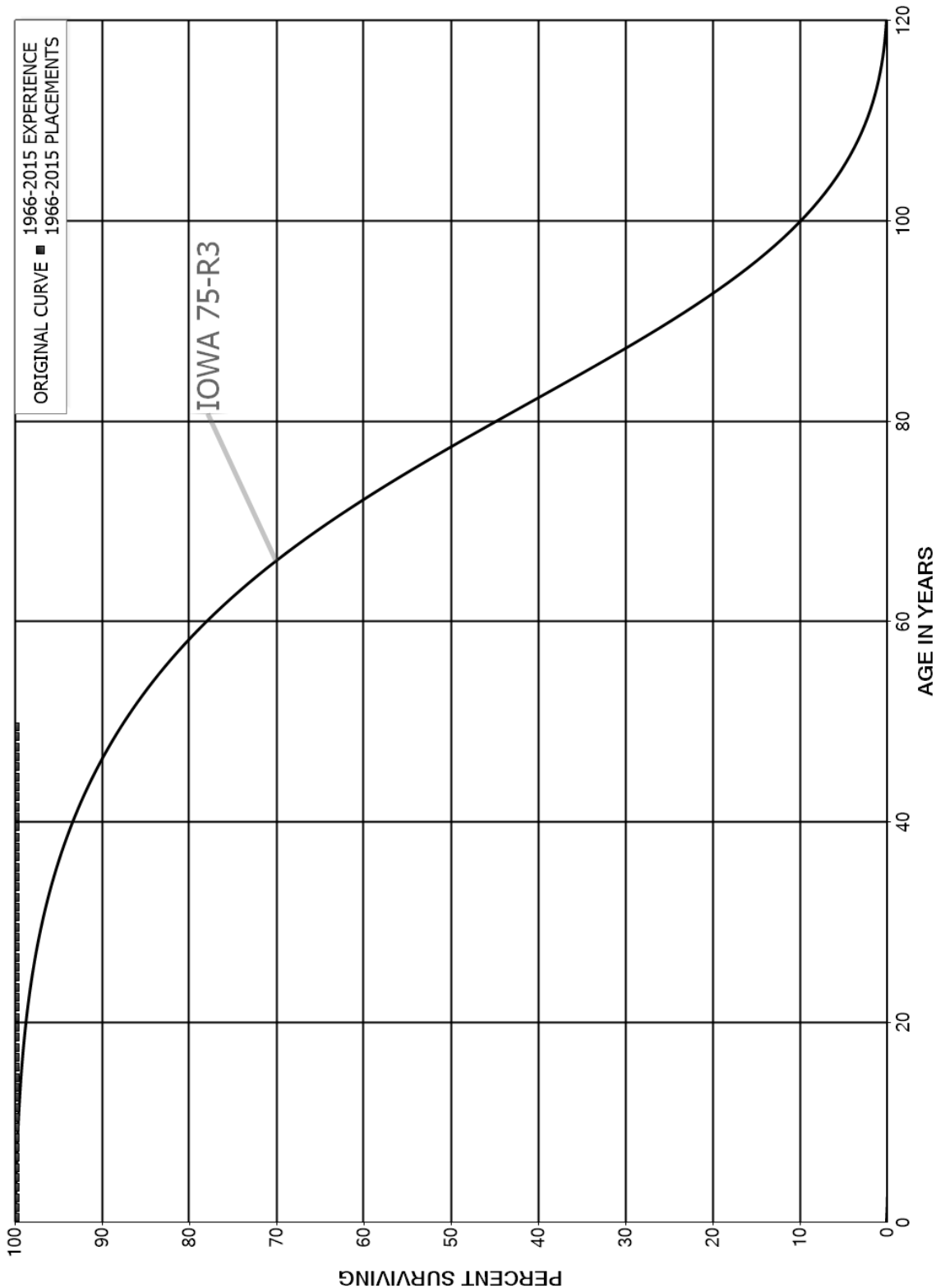
ACCOUNT P09 - POWER SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1980-2014			EXPERIENCE BAND 1980-2015		
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	804,033		0.0000	1.0000	100.00
0.5	804,033		0.0000	1.0000	100.00
1.5	790,242		0.0000	1.0000	100.00
2.5	742,503		0.0000	1.0000	100.00
3.5	719,393	8,858	0.0123	0.9877	100.00
4.5	710,534		0.0000	1.0000	98.77
5.5	710,534		0.0000	1.0000	98.77
6.5	710,534		0.0000	1.0000	98.77
7.5	685,630	45,059	0.0657	0.9343	98.77
8.5	639,484		0.0000	1.0000	92.28
9.5	543,189		0.0000	1.0000	92.28
10.5	543,189		0.0000	1.0000	92.28
11.5	513,756		0.0000	1.0000	92.28
12.5	139,320		0.0000	1.0000	92.28
13.5	139,320	2,673	0.0192	0.9808	92.28
14.5	136,647		0.0000	1.0000	90.51
15.5	129,219		0.0000	1.0000	90.51
16.5	124,816	1,456	0.0117	0.9883	90.51
17.5	120,687	60,879	0.5044	0.4956	89.45
18.5	30,507		0.0000	1.0000	44.33
19.5	30,507		0.0000	1.0000	44.33
20.5	30,507	2,900	0.0951	0.9049	44.33
21.5	27,607		0.0000	1.0000	40.11
22.5	27,607	1,774	0.0643	0.9357	40.11
23.5	23,483	6,712	0.2858	0.7142	37.54
24.5	16,771	3,531	0.2105	0.7895	26.81
25.5	9,538		0.0000	1.0000	21.16
26.5	9,538		0.0000	1.0000	21.16
27.5	9,538		0.0000	1.0000	21.16
28.5	9,538	1,000	0.1048	0.8952	21.16
29.5	8,538		0.0000	1.0000	18.95
30.5	8,538		0.0000	1.0000	18.95
31.5	8,538		0.0000	1.0000	18.95
32.5	8,538		0.0000	1.0000	18.95
33.5	8,538	4,598	0.5386	0.4614	18.95
34.5	3,940		0.0000	1.0000	8.74
35.5					8.74

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT P10 - POWERHOUSE
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P10 - POWERHOUSE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	102,700,817		0.0000	1.0000	100.00
0.5	101,734,797		0.0000	1.0000	100.00
1.5	101,329,090		0.0000	1.0000	100.00
2.5	101,192,787		0.0000	1.0000	100.00
3.5	101,192,787		0.0000	1.0000	100.00
4.5	101,192,787		0.0000	1.0000	100.00
5.5	101,192,787		0.0000	1.0000	100.00
6.5	101,192,787		0.0000	1.0000	100.00
7.5	101,082,001		0.0000	1.0000	100.00
8.5	101,082,001		0.0000	1.0000	100.00
9.5	100,998,712		0.0000	1.0000	100.00
10.5	100,998,712		0.0000	1.0000	100.00
11.5	100,998,712		0.0000	1.0000	100.00
12.5	80,149,101		0.0000	1.0000	100.00
13.5	80,149,101		0.0000	1.0000	100.00
14.5	80,149,101	1,408	0.0000	1.0000	100.00
15.5	80,040,055	63,094	0.0008	0.9992	100.00
16.5	79,976,960		0.0000	1.0000	99.92
17.5	79,967,397		0.0000	1.0000	99.92
18.5	79,960,122		0.0000	1.0000	99.92
19.5	79,960,122		0.0000	1.0000	99.92
20.5	79,811,859		0.0000	1.0000	99.92
21.5	79,766,978		0.0000	1.0000	99.92
22.5	77,059,323		0.0000	1.0000	99.92
23.5	77,059,323		0.0000	1.0000	99.92
24.5	77,048,404		0.0000	1.0000	99.92
25.5	77,009,543		0.0000	1.0000	99.92
26.5	75,938,104		0.0000	1.0000	99.92
27.5	74,445,854		0.0000	1.0000	99.92
28.5	74,196,993		0.0000	1.0000	99.92
29.5	74,186,988	12,517	0.0002	0.9998	99.92
30.5	68,169,254		0.0000	1.0000	99.90
31.5	56,183,499		0.0000	1.0000	99.90
32.5	51,612,776		0.0000	1.0000	99.90
33.5	39,057,174		0.0000	1.0000	99.90
34.5	38,814,548	1,272	0.0000	1.0000	99.90
35.5	27,784,412		0.0000	1.0000	99.90
36.5	21,227,034		0.0000	1.0000	99.90
37.5	20,143,559		0.0000	1.0000	99.90
38.5	20,143,559		0.0000	1.0000	99.90

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

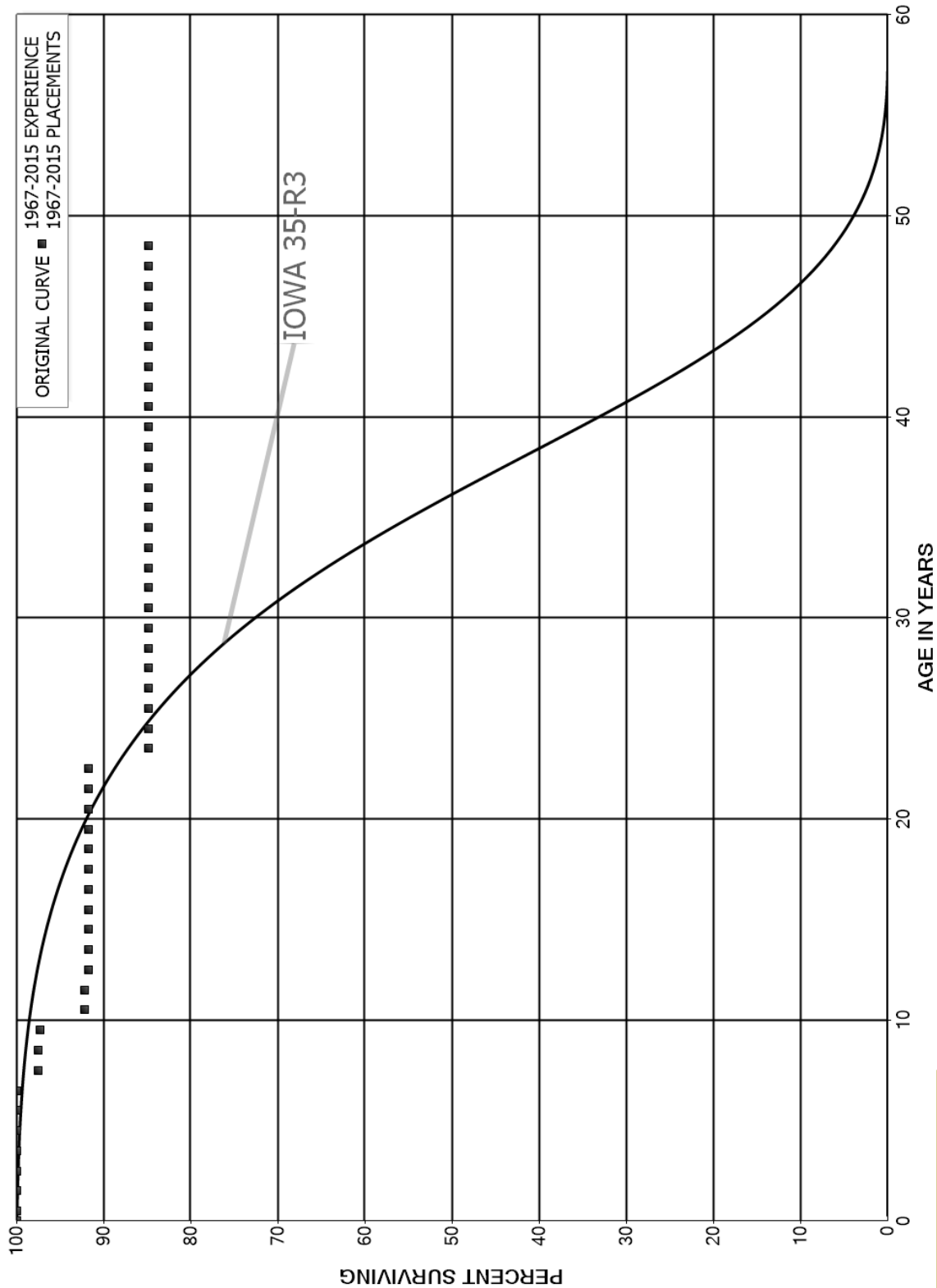
ACCOUNT P10 - POWERHOUSE

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	20,138,559		0.0000	1.0000	99.90
40.5	20,138,559		0.0000	1.0000	99.90
41.5	20,138,559		0.0000	1.0000	99.90
42.5	20,138,559	349	0.0000	1.0000	99.90
43.5	20,138,210		0.0000	1.0000	99.90
44.5	16,547,132		0.0000	1.0000	99.90
45.5	13,734,007		0.0000	1.0000	99.90
46.5	10,881,494		0.0000	1.0000	99.90
47.5	10,881,494		0.0000	1.0000	99.90
48.5	6,311,169		0.0000	1.0000	99.90
49.5					99.90

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT P12 - PROTECTIVE CONTROL AND RELAY PANELS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P12 - PROTECTIVE CONTROL AND RELAY PANELS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	10,018,336		0.0000	1.0000	100.00
0.5	9,215,365	289	0.0000	1.0000	100.00
1.5	8,790,412		0.0000	1.0000	100.00
2.5	6,915,111		0.0000	1.0000	100.00
3.5	5,112,300		0.0000	1.0000	100.00
4.5	4,840,285		0.0000	1.0000	100.00
5.5	4,762,333		0.0000	1.0000	100.00
6.5	4,618,882	116,342	0.0252	0.9748	100.00
7.5	4,328,679		0.0000	1.0000	97.48
8.5	3,910,908	7,102	0.0018	0.9982	97.48
9.5	3,819,666	200,000	0.0524	0.9476	97.30
10.5	3,482,721		0.0000	1.0000	92.21
11.5	3,214,837	16,280	0.0051	0.9949	92.21
12.5	1,482,888		0.0000	1.0000	91.74
13.5	1,482,888		0.0000	1.0000	91.74
14.5	1,482,888		0.0000	1.0000	91.74
15.5	1,482,888		0.0000	1.0000	91.74
16.5	1,359,099		0.0000	1.0000	91.74
17.5	1,359,099		0.0000	1.0000	91.74
18.5	1,359,099		0.0000	1.0000	91.74
19.5	936,582		0.0000	1.0000	91.74
20.5	854,646		0.0000	1.0000	91.74
21.5	854,646		0.0000	1.0000	91.74
22.5	854,646	64,494	0.0755	0.9245	91.74
23.5	790,153		0.0000	1.0000	84.82
24.5	790,153		0.0000	1.0000	84.82
25.5	790,153		0.0000	1.0000	84.82
26.5	790,153		0.0000	1.0000	84.82
27.5	779,116	15	0.0000	1.0000	84.82
28.5	681,158		0.0000	1.0000	84.81
29.5	681,158		0.0000	1.0000	84.81
30.5	681,158		0.0000	1.0000	84.81
31.5	615,525		0.0000	1.0000	84.81
32.5	615,525		0.0000	1.0000	84.81
33.5	615,525		0.0000	1.0000	84.81
34.5	615,525		0.0000	1.0000	84.81
35.5	341,524		0.0000	1.0000	84.81
36.5	341,524		0.0000	1.0000	84.81
37.5	341,524		0.0000	1.0000	84.81
38.5	341,524		0.0000	1.0000	84.81

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

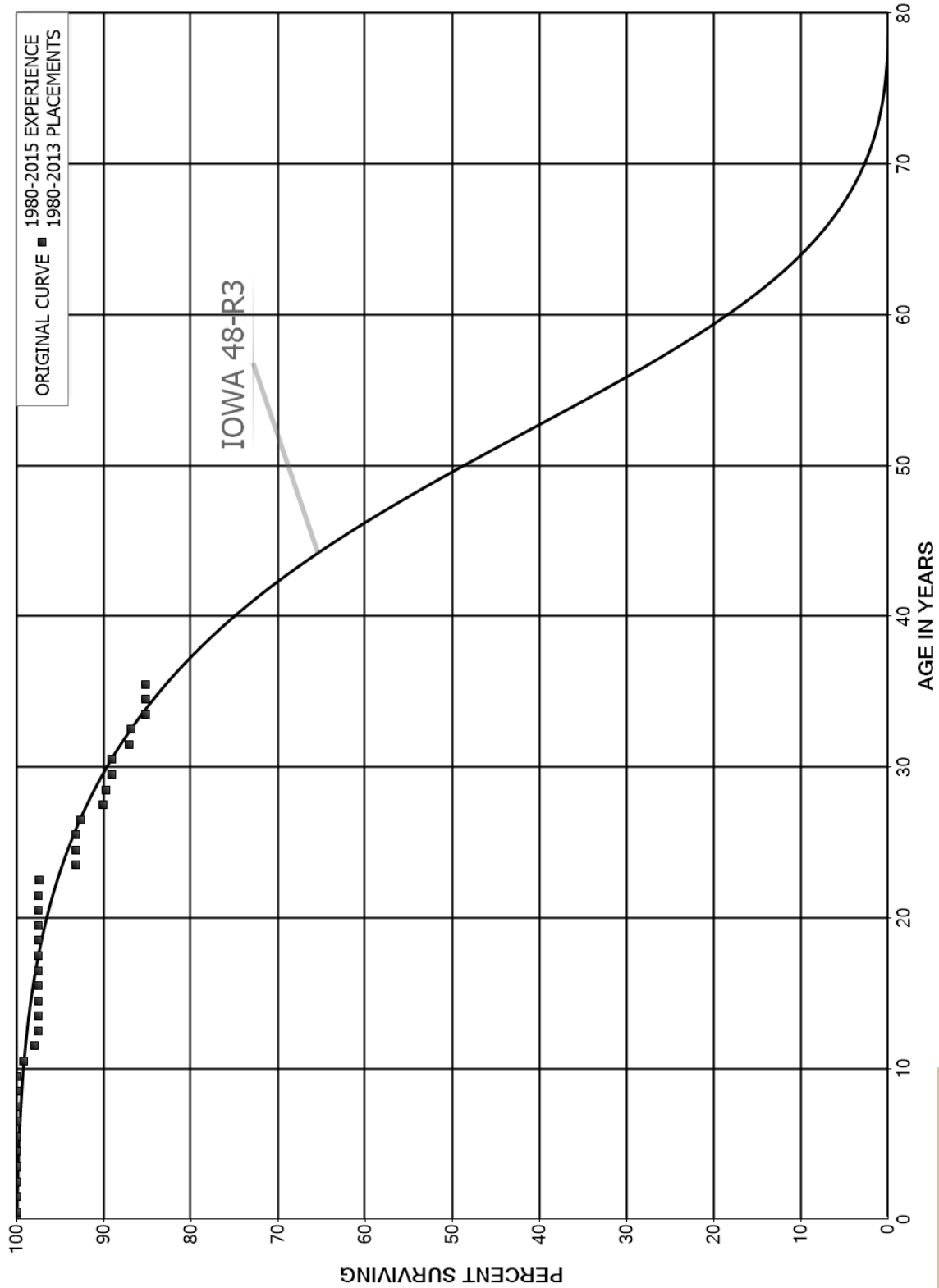
ACCOUNT P12 - PROTECTIVE CONTROL AND RELAY PANELS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	341,524		0.0000	1.0000	84.81
40.5	341,524		0.0000	1.0000	84.81
41.5	341,524		0.0000	1.0000	84.81
42.5	341,524		0.0000	1.0000	84.81
43.5	341,524		0.0000	1.0000	84.81
44.5	341,524		0.0000	1.0000	84.81
45.5	341,524		0.0000	1.0000	84.81
46.5	341,524		0.0000	1.0000	84.81
47.5	284,442		0.0000	1.0000	84.81
48.5					84.81

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R01 - RADIO TOWERS (WOOD OR STEEL)
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

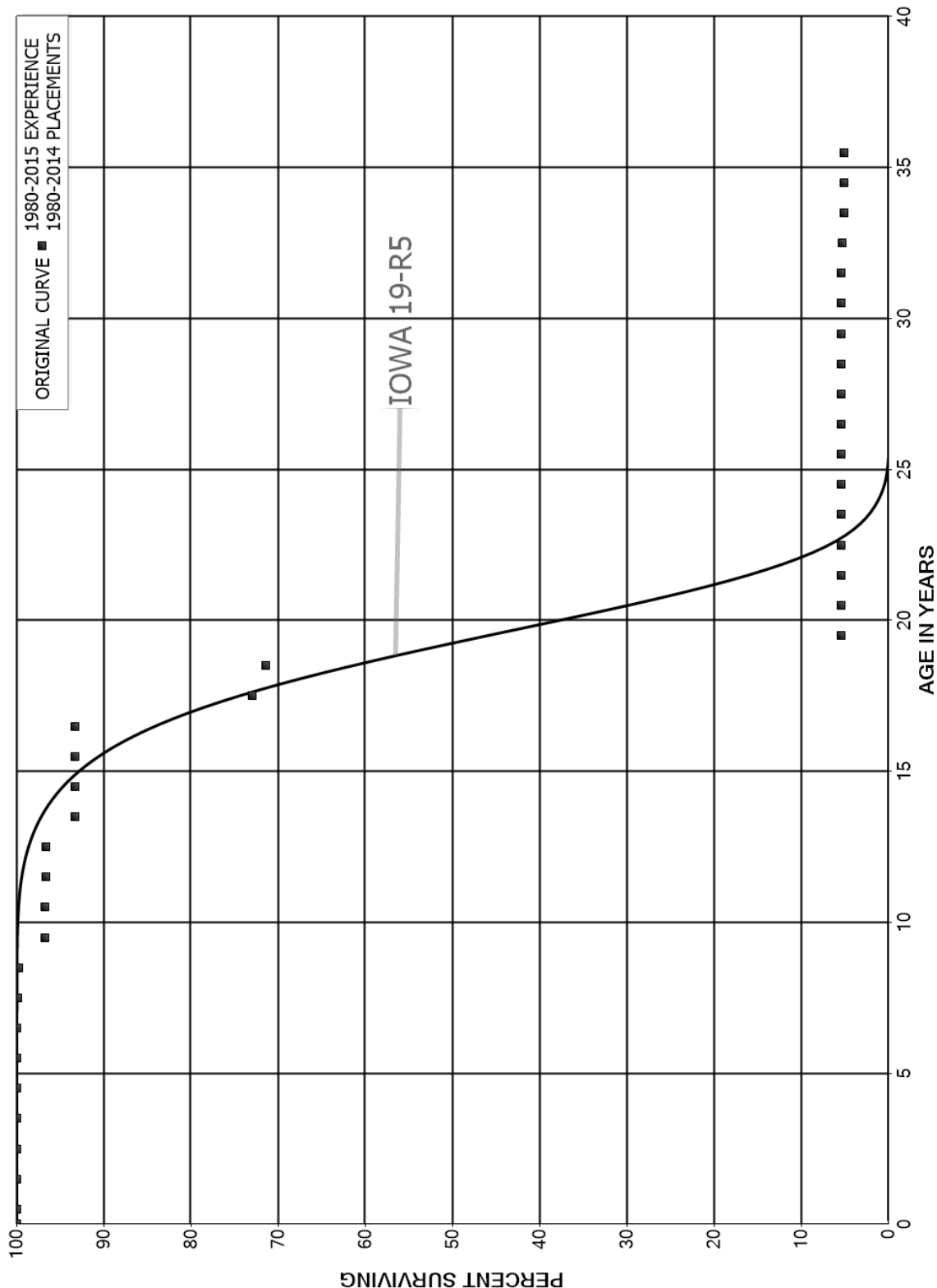
ACCOUNT R01 - RADIO TOWERS (WOOD OR STEEL)

ORIGINAL LIFE TABLE

PLACEMENT BAND 1980-2013			EXPERIENCE BAND 1980-2015		
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	10,210,442		0.0000	1.0000	100.00
0.5	10,210,442		0.0000	1.0000	100.00
1.5	10,210,442		0.0000	1.0000	100.00
2.5	9,947,473		0.0000	1.0000	100.00
3.5	9,790,093		0.0000	1.0000	100.00
4.5	9,790,093		0.0000	1.0000	100.00
5.5	9,575,446		0.0000	1.0000	100.00
6.5	9,393,802		0.0000	1.0000	100.00
7.5	9,393,802		0.0000	1.0000	100.00
8.5	9,028,332	1,887	0.0002	0.9998	100.00
9.5	9,026,445	71,491	0.0079	0.9921	99.98
10.5	8,723,764	113,599	0.0130	0.9870	99.19
11.5	8,610,165	32,144	0.0037	0.9963	97.90
12.5	4,170,732		0.0000	1.0000	97.53
13.5	4,170,732		0.0000	1.0000	97.53
14.5	1,951,585		0.0000	1.0000	97.53
15.5	1,951,585		0.0000	1.0000	97.53
16.5	1,951,585		0.0000	1.0000	97.53
17.5	1,951,585		0.0000	1.0000	97.53
18.5	1,951,585	511	0.0003	0.9997	97.53
19.5	1,951,074		0.0000	1.0000	97.50
20.5	1,951,074		0.0000	1.0000	97.50
21.5	1,951,074	2,042	0.0010	0.9990	97.50
22.5	1,928,684	84,079	0.0436	0.9564	97.40
23.5	1,844,605		0.0000	1.0000	93.16
24.5	1,844,605		0.0000	1.0000	93.16
25.5	1,783,733	11,183	0.0063	0.9937	93.16
26.5	1,772,550	48,007	0.0271	0.9729	92.57
27.5	1,724,543	6,445	0.0037	0.9963	90.07
28.5	1,718,098	13,493	0.0079	0.9921	89.73
29.5	1,704,605		0.0000	1.0000	89.02
30.5	1,704,605	37,301	0.0219	0.9781	89.02
31.5	1,321,553	2,832	0.0021	0.9979	87.08
32.5	1,318,721	26,322	0.0200	0.9800	86.89
33.5	1,129,316		0.0000	1.0000	85.15
34.5	1,129,316		0.0000	1.0000	85.15
35.5					85.15

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R02 - RADIOS - FIXED MICROWAVE EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

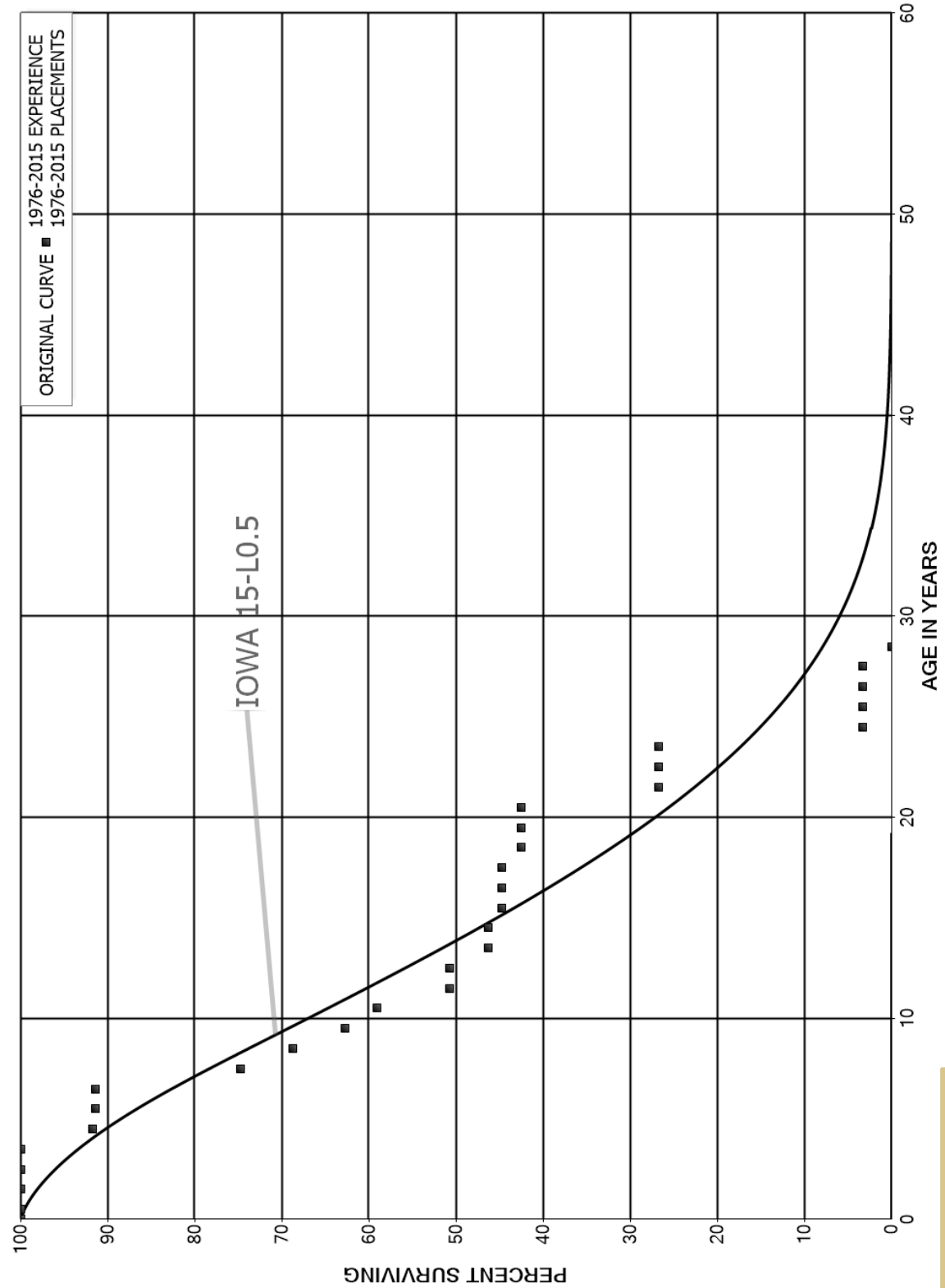
ACCOUNT R02 - RADIOS - FIXED MICROWAVE EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1980-2014			EXPERIENCE BAND 1980-2015		
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	9,015,572		0.0000	1.0000	100.00
0.5	9,015,572		0.0000	1.0000	100.00
1.5	8,079,697		0.0000	1.0000	100.00
2.5	8,079,697		0.0000	1.0000	100.00
3.5	8,037,253		0.0000	1.0000	100.00
4.5	8,037,253		0.0000	1.0000	100.00
5.5	7,984,806	5,955	0.0007	0.9993	100.00
6.5	7,978,851	5,955	0.0007	0.9993	99.93
7.5	7,972,896	11,911	0.0015	0.9985	99.85
8.5	7,776,559	229,080	0.0295	0.9705	99.70
9.5	7,547,479		0.0000	1.0000	96.76
10.5	7,547,479	8,953	0.0012	0.9988	96.76
11.5	7,538,526		0.0000	1.0000	96.65
12.5	5,602,065	196,602	0.0351	0.9649	96.65
13.5	5,405,463		0.0000	1.0000	93.26
14.5	2,478,110		0.0000	1.0000	93.26
15.5	2,478,110		0.0000	1.0000	93.26
16.5	2,478,110	541,022	0.2183	0.7817	93.26
17.5	1,937,088	38,530	0.0199	0.9801	72.90
18.5	1,898,558	1,755,806	0.9248	0.0752	71.45
19.5	142,752		0.0000	1.0000	5.37
20.5	142,752		0.0000	1.0000	5.37
21.5	142,752		0.0000	1.0000	5.37
22.5	142,752		0.0000	1.0000	5.37
23.5	142,752		0.0000	1.0000	5.37
24.5	142,752		0.0000	1.0000	5.37
25.5	142,752		0.0000	1.0000	5.37
26.5	142,752		0.0000	1.0000	5.37
27.5	142,752		0.0000	1.0000	5.37
28.5	142,752		0.0000	1.0000	5.37
29.5	142,752		0.0000	1.0000	5.37
30.5	142,752		0.0000	1.0000	5.37
31.5	142,752	1,124	0.0079	0.9921	5.37
32.5	141,628	7,869	0.0556	0.9444	5.33
33.5	133,759		0.0000	1.0000	5.03
34.5	133,759		0.0000	1.0000	5.03
35.5					5.03

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R03 - RADIOS - FIXED UHF EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

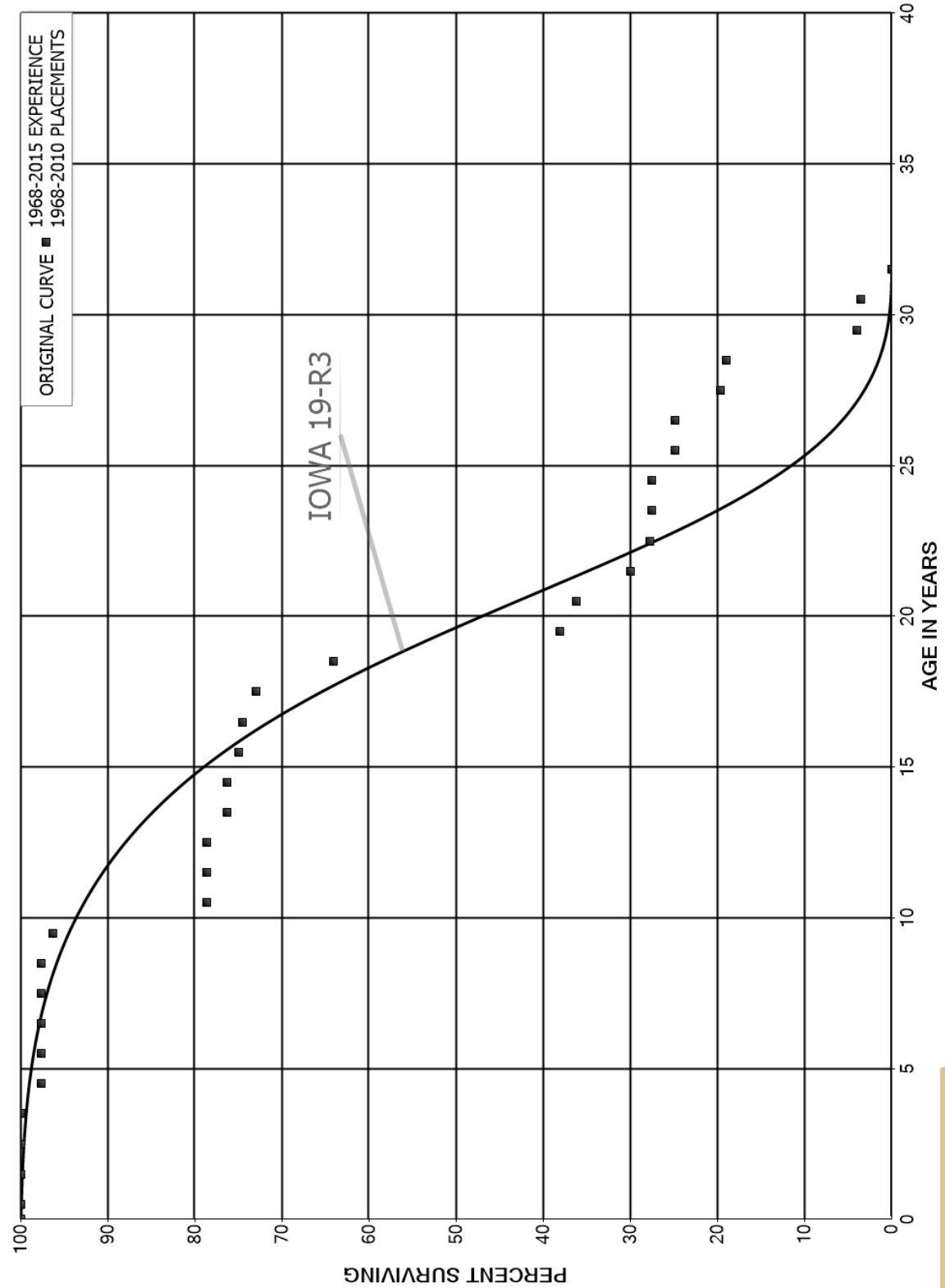
ACCOUNT R03 - RADIOS - FIXED UHF EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1976-2015			EXPERIENCE BAND 1976-2015		
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	794,415		0.0000	1.0000	100.00
0.5	791,030		0.0000	1.0000	100.00
1.5	791,030		0.0000	1.0000	100.00
2.5	791,030		0.0000	1.0000	100.00
3.5	782,054	64,764	0.0828	0.9172	100.00
4.5	717,290	2,571	0.0036	0.9964	91.72
5.5	714,718		0.0000	1.0000	91.39
6.5	664,939	120,949	0.1819	0.8181	91.39
7.5	504,468	40,640	0.0806	0.9194	74.77
8.5	463,828	40,546	0.0874	0.9126	68.74
9.5	423,282	24,923	0.0589	0.9411	62.73
10.5	398,359	56,185	0.1410	0.8590	59.04
11.5	342,174		0.0000	1.0000	50.71
12.5	342,174	30,009	0.0877	0.9123	50.71
13.5	312,165		0.0000	1.0000	46.27
14.5	312,165	10,053	0.0322	0.9678	46.27
15.5	302,112		0.0000	1.0000	44.78
16.5	302,112		0.0000	1.0000	44.78
17.5	302,112	14,969	0.0495	0.9505	44.78
18.5	287,143		0.0000	1.0000	42.56
19.5	287,143		0.0000	1.0000	42.56
20.5	287,143	107,012	0.3727	0.6273	42.56
21.5	180,132		0.0000	1.0000	26.70
22.5	180,132		0.0000	1.0000	26.70
23.5	180,132	157,782	0.8759	0.1241	26.70
24.5	22,350		0.0000	1.0000	3.31
25.5	22,350		0.0000	1.0000	3.31
26.5	22,350		0.0000	1.0000	3.31
27.5	22,350	22,350	1.0000		3.31
28.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R04 - RADIOS - FIXED VHF EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

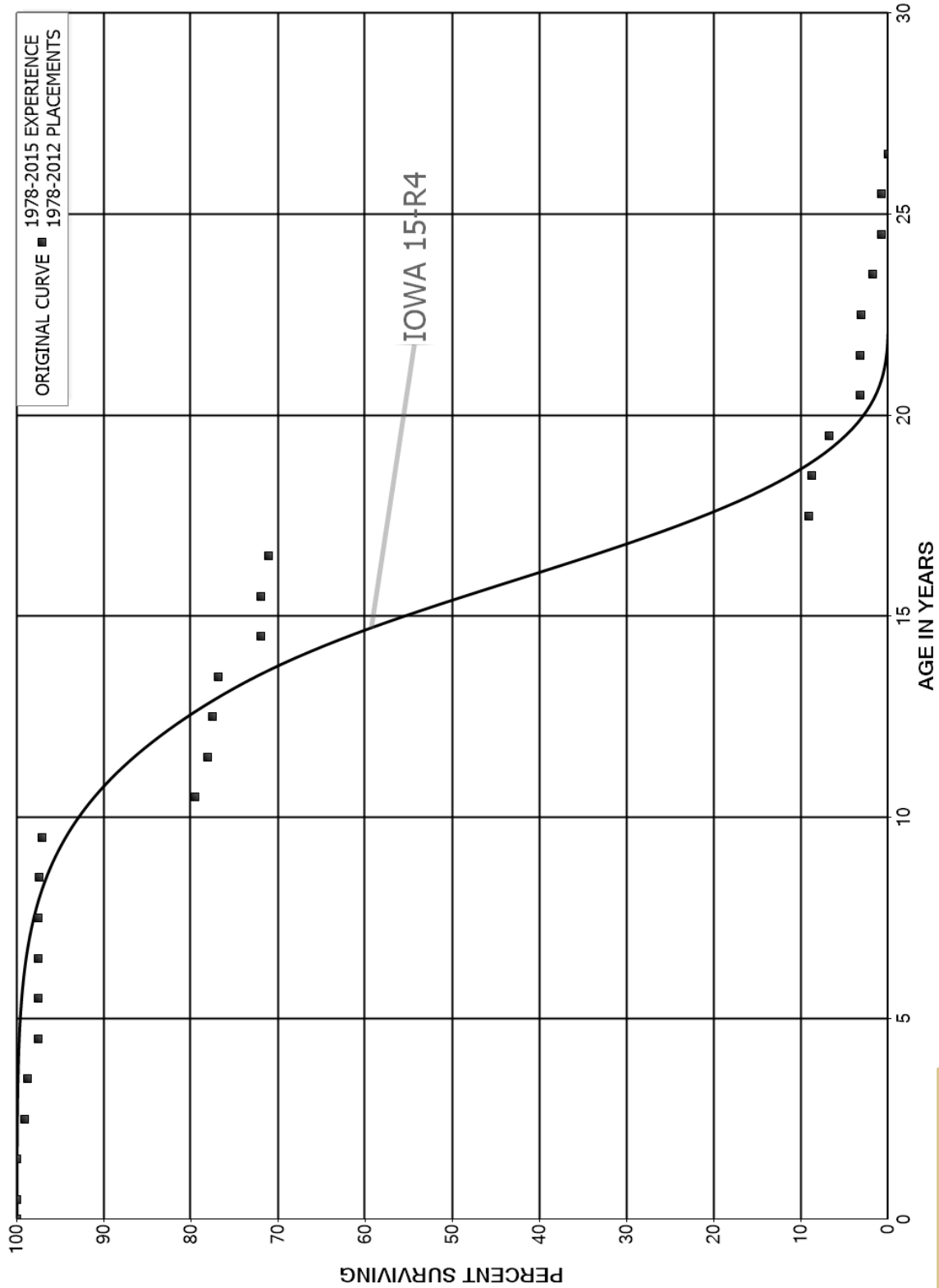
ACCOUNT R04 - RADIOS - FIXED VHF EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2010			EXPERIENCE BAND 1968-2015		
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	4,446,342		0.0000	1.0000	100.00
0.5	4,446,342		0.0000	1.0000	100.00
1.5	4,446,342		0.0000	1.0000	100.00
2.5	4,446,342	2,815	0.0006	0.9994	100.00
3.5	4,443,527	100,821	0.0227	0.9773	99.94
4.5	4,342,706		0.0000	1.0000	97.67
5.5	4,274,065		0.0000	1.0000	97.67
6.5	4,274,065		0.0000	1.0000	97.67
7.5	4,274,065		0.0000	1.0000	97.67
8.5	4,274,065	58,697	0.0137	0.9863	97.67
9.5	4,004,327	734,453	0.1834	0.8166	96.33
10.5	3,269,873	4,032	0.0012	0.9988	78.66
11.5	3,265,282		0.0000	1.0000	78.56
12.5	3,147,036	91,387	0.0290	0.9710	78.56
13.5	3,055,649		0.0000	1.0000	76.28
14.5	3,055,649	55,707	0.0182	0.9818	76.28
15.5	2,999,943	13,726	0.0046	0.9954	74.89
16.5	2,986,216	65,444	0.0219	0.9781	74.55
17.5	2,920,772	356,547	0.1221	0.8779	72.91
18.5	2,564,225	1,039,595	0.4054	0.5946	64.01
19.5	1,524,630	74,301	0.0487	0.9513	38.06
20.5	1,450,329	249,527	0.1720	0.8280	36.21
21.5	1,200,802	90,709	0.0755	0.9245	29.98
22.5	1,110,094	6,486	0.0058	0.9942	27.71
23.5	941,929	2,316	0.0025	0.9975	27.55
24.5	939,613	90,645	0.0965	0.9035	27.48
25.5	848,968		0.0000	1.0000	24.83
26.5	848,968	179,152	0.2110	0.7890	24.83
27.5	669,816	21,779	0.0325	0.9675	19.59
28.5	648,037	513,070	0.7917	0.2083	18.95
29.5	134,966	14,179	0.1051	0.8949	3.95
30.5	120,787	120,787	1.0000		3.53
31.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R05 - RADIOS - MOBILE VHF BASE STATION
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

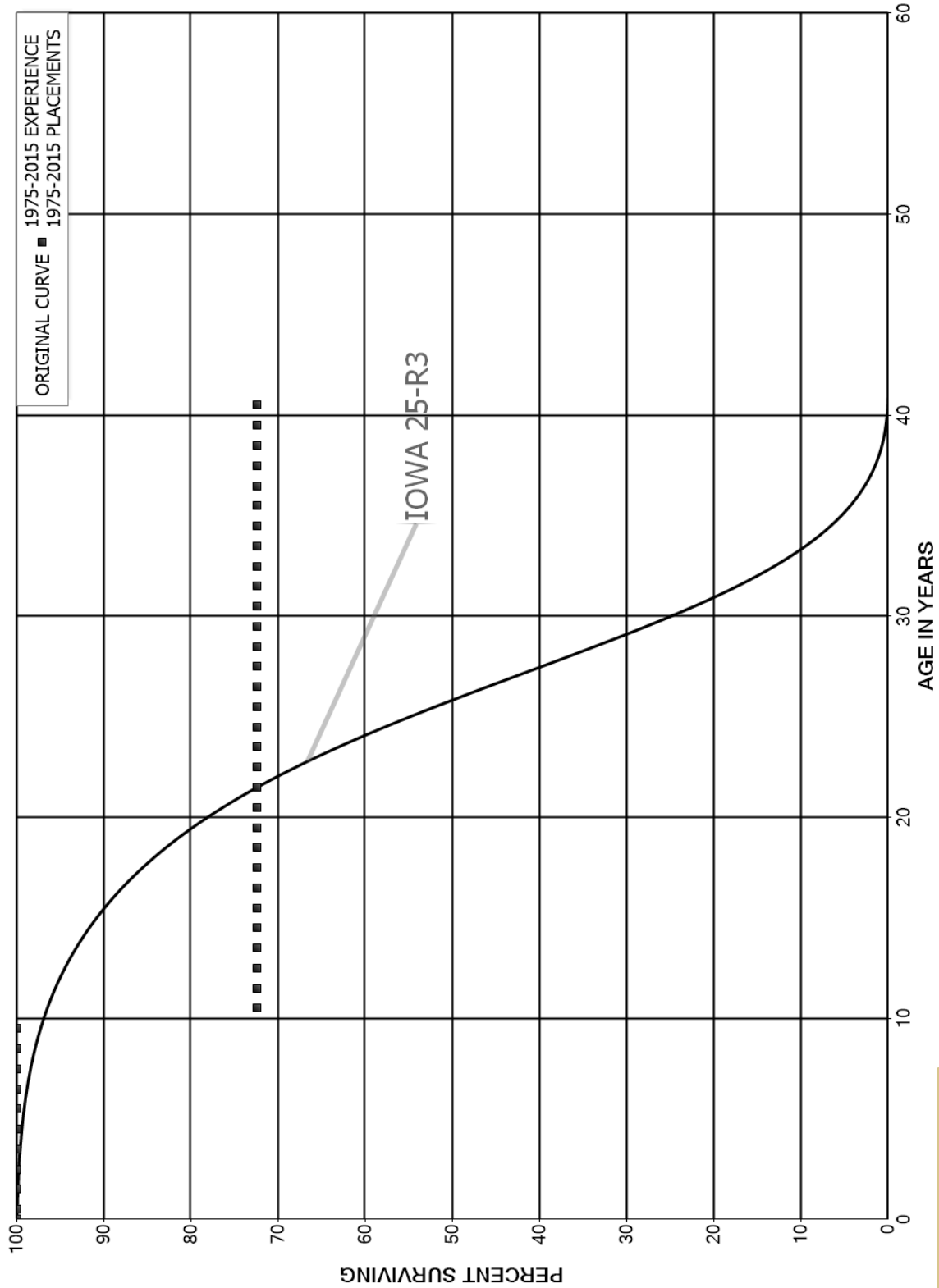
ACCOUNT R05 - RADIOS - MOBILE VHF BASE STATION

ORIGINAL LIFE TABLE

PLACEMENT BAND 1978-2012			EXPERIENCE BAND 1978-2015		
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	9,104,030		0.0000	1.0000	100.00
0.5	9,104,030		0.0000	1.0000	100.00
1.5	9,104,030	82,942	0.0091	0.9909	100.00
2.5	9,021,088	37,902	0.0042	0.9958	99.09
3.5	8,268,047	93,309	0.0113	0.9887	98.67
4.5	8,172,088		0.0000	1.0000	97.56
5.5	7,818,683	6,366	0.0008	0.9992	97.56
6.5	7,812,317		0.0000	1.0000	97.48
7.5	7,812,317	10,505	0.0013	0.9987	97.48
8.5	7,352,576	20,805	0.0028	0.9972	97.35
9.5	1,761,018	319,279	0.1813	0.8187	97.07
10.5	1,441,739	25,352	0.0176	0.9824	79.47
11.5	1,413,587	10,295	0.0073	0.9927	78.08
12.5	1,261,094	11,659	0.0092	0.9908	77.51
13.5	1,249,436	78,884	0.0631	0.9369	76.79
14.5	1,170,552	733	0.0006	0.9994	71.94
15.5	1,156,464	13,556	0.0117	0.9883	71.90
16.5	1,116,944	973,911	0.8719	0.1281	71.05
17.5	143,032	5,250	0.0367	0.9633	9.10
18.5	137,783	31,710	0.2301	0.7699	8.77
19.5	106,073	56,883	0.5363	0.4637	6.75
20.5	49,190		0.0000	1.0000	3.13
21.5	49,190	1,871	0.0380	0.9620	3.13
22.5	47,319	19,561	0.4134	0.5866	3.01
23.5	27,758	16,061	0.5786	0.4214	1.77
24.5	11,698		0.0000	1.0000	0.74
25.5	8,536	8,536	1.0000		0.74
26.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R06 - RAMPS - YARD STORAGE
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

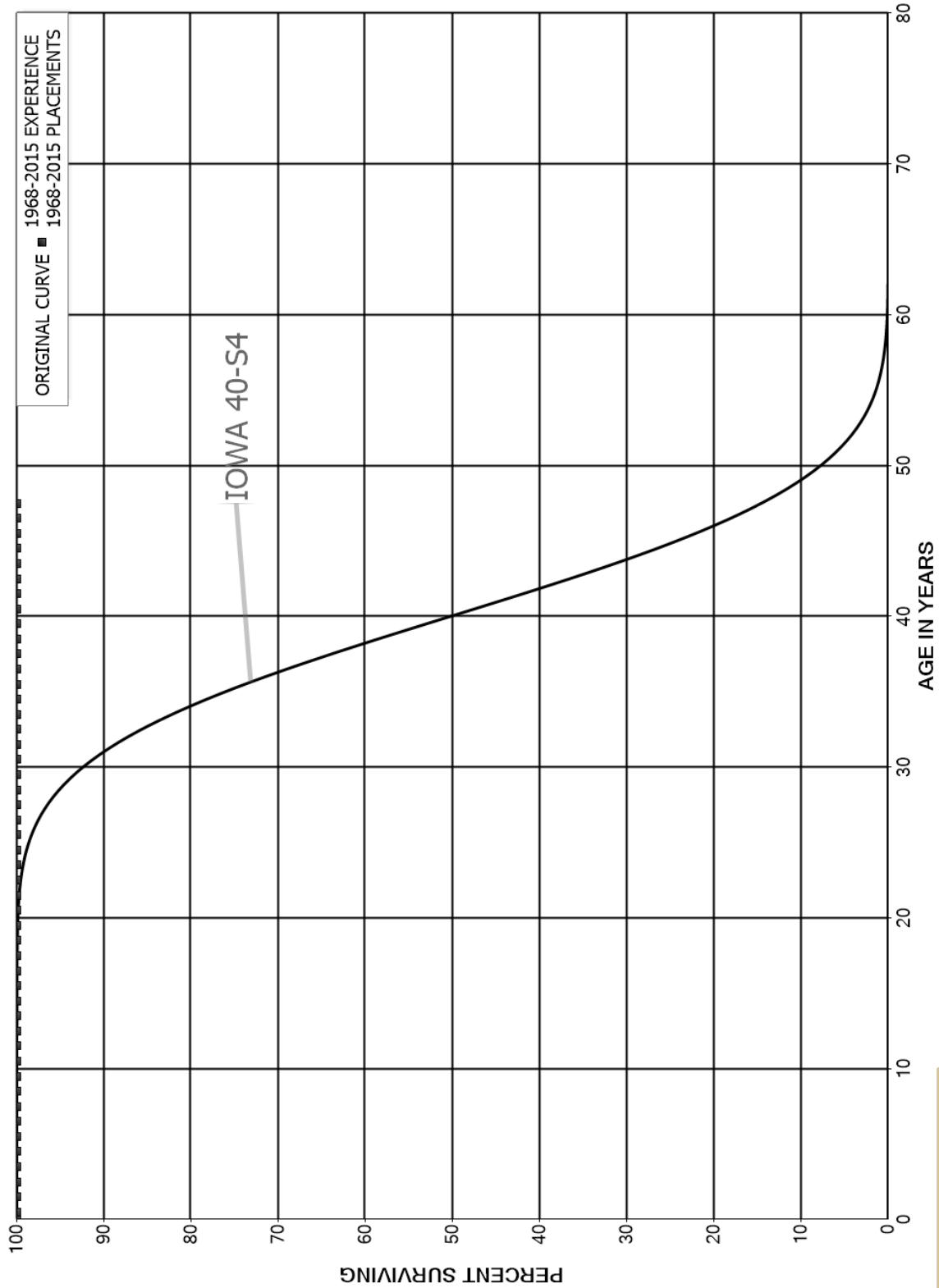
ACCOUNT R06 - RAMPS - YARD STORAGE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1975-2015			EXPERIENCE BAND 1975-2015		
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	1,827,330		0.0000	1.0000	100.00
0.5	1,695,776		0.0000	1.0000	100.00
1.5	1,664,996		0.0000	1.0000	100.00
2.5	1,664,996		0.0000	1.0000	100.00
3.5	1,664,996		0.0000	1.0000	100.00
4.5	1,664,996		0.0000	1.0000	100.00
5.5	1,470,416		0.0000	1.0000	100.00
6.5	1,195,179		0.0000	1.0000	100.00
7.5	1,066,911		0.0000	1.0000	100.00
8.5	1,004,386		0.0000	1.0000	100.00
9.5	847,069	233,772	0.2760	0.7240	100.00
10.5	575,925		0.0000	1.0000	72.40
11.5	575,925		0.0000	1.0000	72.40
12.5	575,925		0.0000	1.0000	72.40
13.5	575,925		0.0000	1.0000	72.40
14.5	521,151		0.0000	1.0000	72.40
15.5	521,151		0.0000	1.0000	72.40
16.5	429,890		0.0000	1.0000	72.40
17.5	429,890		0.0000	1.0000	72.40
18.5	429,890		0.0000	1.0000	72.40
19.5	379,924		0.0000	1.0000	72.40
20.5	379,924		0.0000	1.0000	72.40
21.5	379,924		0.0000	1.0000	72.40
22.5	330,462		0.0000	1.0000	72.40
23.5	318,978		0.0000	1.0000	72.40
24.5	300,868		0.0000	1.0000	72.40
25.5	220,787		0.0000	1.0000	72.40
26.5	114,938		0.0000	1.0000	72.40
27.5	114,938		0.0000	1.0000	72.40
28.5	82,374		0.0000	1.0000	72.40
29.5	82,374		0.0000	1.0000	72.40
30.5	82,374		0.0000	1.0000	72.40
31.5	82,374		0.0000	1.0000	72.40
32.5	82,374		0.0000	1.0000	72.40
33.5	65,163		0.0000	1.0000	72.40
34.5	65,163		0.0000	1.0000	72.40
35.5	65,163		0.0000	1.0000	72.40
36.5	23,740		0.0000	1.0000	72.40
37.5	23,740		0.0000	1.0000	72.40
38.5	23,740		0.0000	1.0000	72.40
39.5	23,740		0.0000	1.0000	72.40
40.5					72.40

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R07 - REACTORS AND RESISTORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R07 - REACTORS AND RESISTORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	1,225,065		0.0000	1.0000	100.00
0.5	1,150,230		0.0000	1.0000	100.00
1.5	1,044,650		0.0000	1.0000	100.00
2.5	1,044,650		0.0000	1.0000	100.00
3.5	1,024,903		0.0000	1.0000	100.00
4.5	1,024,903		0.0000	1.0000	100.00
5.5	1,024,903		0.0000	1.0000	100.00
6.5	1,024,903		0.0000	1.0000	100.00
7.5	1,024,903		0.0000	1.0000	100.00
8.5	1,024,903		0.0000	1.0000	100.00
9.5	1,009,016		0.0000	1.0000	100.00
10.5	1,009,016		0.0000	1.0000	100.00
11.5	1,009,016		0.0000	1.0000	100.00
12.5	1,009,016		0.0000	1.0000	100.00
13.5	1,009,016		0.0000	1.0000	100.00
14.5	1,009,016		0.0000	1.0000	100.00
15.5	807,059		0.0000	1.0000	100.00
16.5	807,059		0.0000	1.0000	100.00
17.5	807,059		0.0000	1.0000	100.00
18.5	807,059		0.0000	1.0000	100.00
19.5	776,038		0.0000	1.0000	100.00
20.5	69,855		0.0000	1.0000	100.00
21.5	69,855		0.0000	1.0000	100.00
22.5	69,855		0.0000	1.0000	100.00
23.5	69,855		0.0000	1.0000	100.00
24.5	69,855		0.0000	1.0000	100.00
25.5	69,855		0.0000	1.0000	100.00
26.5	69,855		0.0000	1.0000	100.00
27.5	69,855		0.0000	1.0000	100.00
28.5	69,855		0.0000	1.0000	100.00
29.5	69,855		0.0000	1.0000	100.00
30.5	69,855		0.0000	1.0000	100.00
31.5	69,855		0.0000	1.0000	100.00
32.5	69,855		0.0000	1.0000	100.00
33.5	69,855		0.0000	1.0000	100.00
34.5	58,523		0.0000	1.0000	100.00
35.5	58,523		0.0000	1.0000	100.00
36.5	58,523		0.0000	1.0000	100.00
37.5	50,523		0.0000	1.0000	100.00
38.5	20,083		0.0000	1.0000	100.00

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

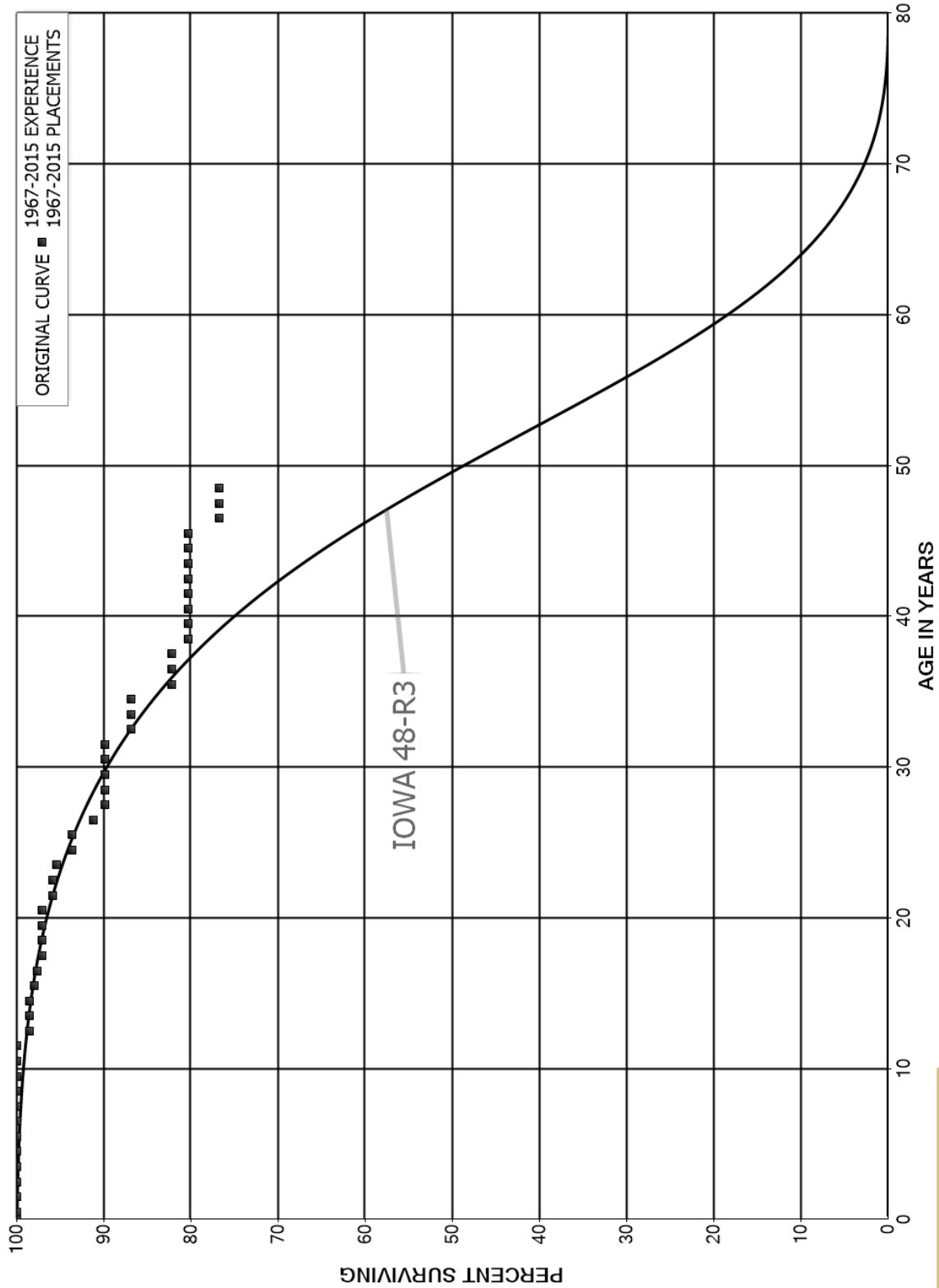
ACCOUNT R07 - REACTORS AND RESISTORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	20,083		0.0000	1.0000	100.00
40.5	20,083		0.0000	1.0000	100.00
41.5	20,083		0.0000	1.0000	100.00
42.5	20,083		0.0000	1.0000	100.00
43.5	20,083		0.0000	1.0000	100.00
44.5	20,083		0.0000	1.0000	100.00
45.5	20,083		0.0000	1.0000	100.00
46.5	20,083		0.0000	1.0000	100.00
47.5					100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R08 - RECLOSERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R08 - RECLOSERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	7,507,617		0.0000	1.0000	100.00
0.5	6,949,014		0.0000	1.0000	100.00
1.5	6,662,682		0.0000	1.0000	100.00
2.5	5,895,099		0.0000	1.0000	100.00
3.5	5,108,664		0.0000	1.0000	100.00
4.5	4,814,440		0.0000	1.0000	100.00
5.5	4,354,278		0.0000	1.0000	100.00
6.5	4,163,117		0.0000	1.0000	100.00
7.5	4,006,122		0.0000	1.0000	100.00
8.5	4,006,122		0.0000	1.0000	100.00
9.5	3,961,448	0	0.0000	1.0000	100.00
10.5	3,776,745		0.0000	1.0000	100.00
11.5	3,769,335	54,532	0.0145	0.9855	100.00
12.5	3,471,248		0.0000	1.0000	98.55
13.5	3,435,200		0.0000	1.0000	98.55
14.5	3,360,707	21,116	0.0063	0.9937	98.55
15.5	3,214,479	11,904	0.0037	0.9963	97.93
16.5	3,174,022	16,452	0.0052	0.9948	97.57
17.5	2,931,930		0.0000	1.0000	97.07
18.5	2,779,686		0.0000	1.0000	97.07
19.5	2,732,873		0.0000	1.0000	97.07
20.5	2,654,108	34,715	0.0131	0.9869	97.07
21.5	2,311,277		0.0000	1.0000	95.80
22.5	2,268,542	10,513	0.0046	0.9954	95.80
23.5	2,189,545	40,426	0.0185	0.9815	95.35
24.5	2,095,649		0.0000	1.0000	93.59
25.5	1,926,765	50,160	0.0260	0.9740	93.59
26.5	1,795,981	26,171	0.0146	0.9854	91.16
27.5	1,577,364		0.0000	1.0000	89.83
28.5	1,457,161		0.0000	1.0000	89.83
29.5	1,446,674		0.0000	1.0000	89.83
30.5	1,298,556		0.0000	1.0000	89.83
31.5	1,102,647	37,181	0.0337	0.9663	89.83
32.5	1,051,786		0.0000	1.0000	86.80
33.5	841,501		0.0000	1.0000	86.80
34.5	593,657	31,275	0.0527	0.9473	86.80
35.5	562,383		0.0000	1.0000	82.23
36.5	548,383		0.0000	1.0000	82.23
37.5	496,996	11,624	0.0234	0.9766	82.23
38.5	485,373		0.0000	1.0000	80.30

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

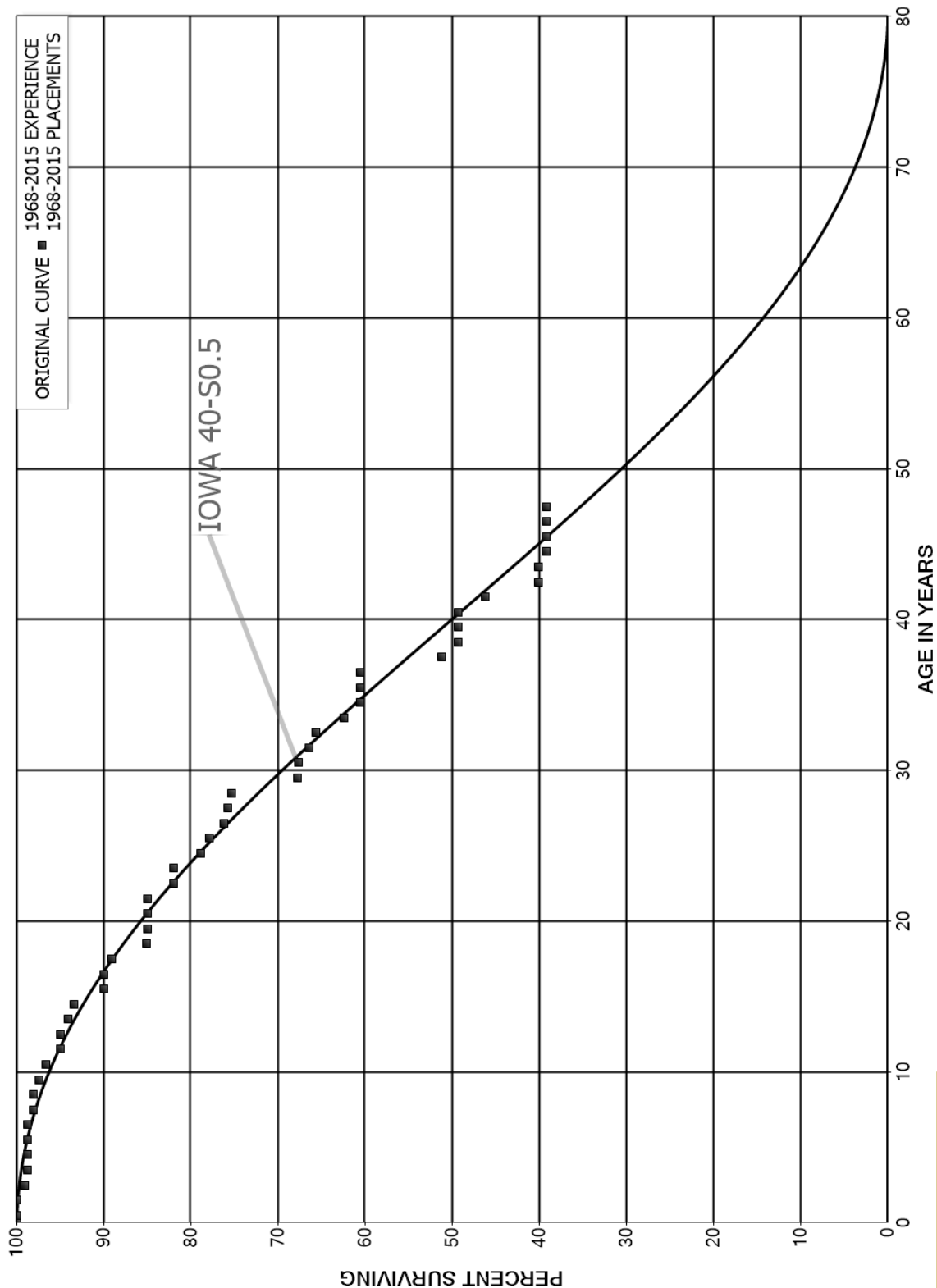
ACCOUNT R08 - RECLOSERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	472,069		0.0000	1.0000	80.30
40.5	217,567		0.0000	1.0000	80.30
41.5	217,567		0.0000	1.0000	80.30
42.5	217,567		0.0000	1.0000	80.30
43.5	217,567		0.0000	1.0000	80.30
44.5	194,087		0.0000	1.0000	80.30
45.5	66,147	2,943	0.0445	0.9555	80.30
46.5	63,204		0.0000	1.0000	76.73
47.5	6,652		0.0000	1.0000	76.73
48.5					76.73

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R09 - REGULATORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R09 - REGULATORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	7,317,428		0.0000	1.0000	100.00
0.5	7,195,261		0.0000	1.0000	100.00
1.5	7,036,686	62,379	0.0089	0.9911	100.00
2.5	6,437,137	23,079	0.0036	0.9964	99.11
3.5	5,797,385		0.0000	1.0000	98.76
4.5	5,454,934		0.0000	1.0000	98.76
5.5	5,137,229		0.0000	1.0000	98.76
6.5	4,734,361	31,826	0.0067	0.9933	98.76
7.5	4,459,382		0.0000	1.0000	98.09
8.5	4,387,654	33,037	0.0075	0.9925	98.09
9.5	4,264,904	32,602	0.0076	0.9924	97.36
10.5	4,195,732	74,216	0.0177	0.9823	96.61
11.5	3,999,184		0.0000	1.0000	94.90
12.5	3,848,301	35,132	0.0091	0.9909	94.90
13.5	3,786,478	26,996	0.0071	0.9929	94.04
14.5	3,754,164	135,900	0.0362	0.9638	93.37
15.5	3,599,347		0.0000	1.0000	89.99
16.5	3,599,347	36,932	0.0103	0.9897	89.99
17.5	3,562,415	159,232	0.0447	0.9553	89.06
18.5	3,299,274	6,206	0.0019	0.9981	85.08
19.5	3,293,068		0.0000	1.0000	84.92
20.5	3,227,427		0.0000	1.0000	84.92
21.5	3,203,096	110,541	0.0345	0.9655	84.92
22.5	2,994,693		0.0000	1.0000	81.99
23.5	2,994,693	114,403	0.0382	0.9618	81.99
24.5	2,880,290	37,794	0.0131	0.9869	78.86
25.5	2,721,560	59,487	0.0219	0.9781	77.82
26.5	2,659,228	13,342	0.0050	0.9950	76.12
27.5	2,544,001	16,301	0.0064	0.9936	75.74
28.5	2,431,494	241,814	0.0995	0.9005	75.26
29.5	2,189,679	6,206	0.0028	0.9972	67.77
30.5	1,955,130	35,576	0.0182	0.9818	67.58
31.5	1,853,715	19,163	0.0103	0.9897	66.35
32.5	1,798,115	88,684	0.0493	0.9507	65.66
33.5	1,614,517	48,276	0.0299	0.9701	62.43
34.5	1,451,262		0.0000	1.0000	60.56
35.5	727,891		0.0000	1.0000	60.56
36.5	727,891	112,698	0.1548	0.8452	60.56
37.5	615,193	22,659	0.0368	0.9632	51.18
38.5	555,281		0.0000	1.0000	49.30

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

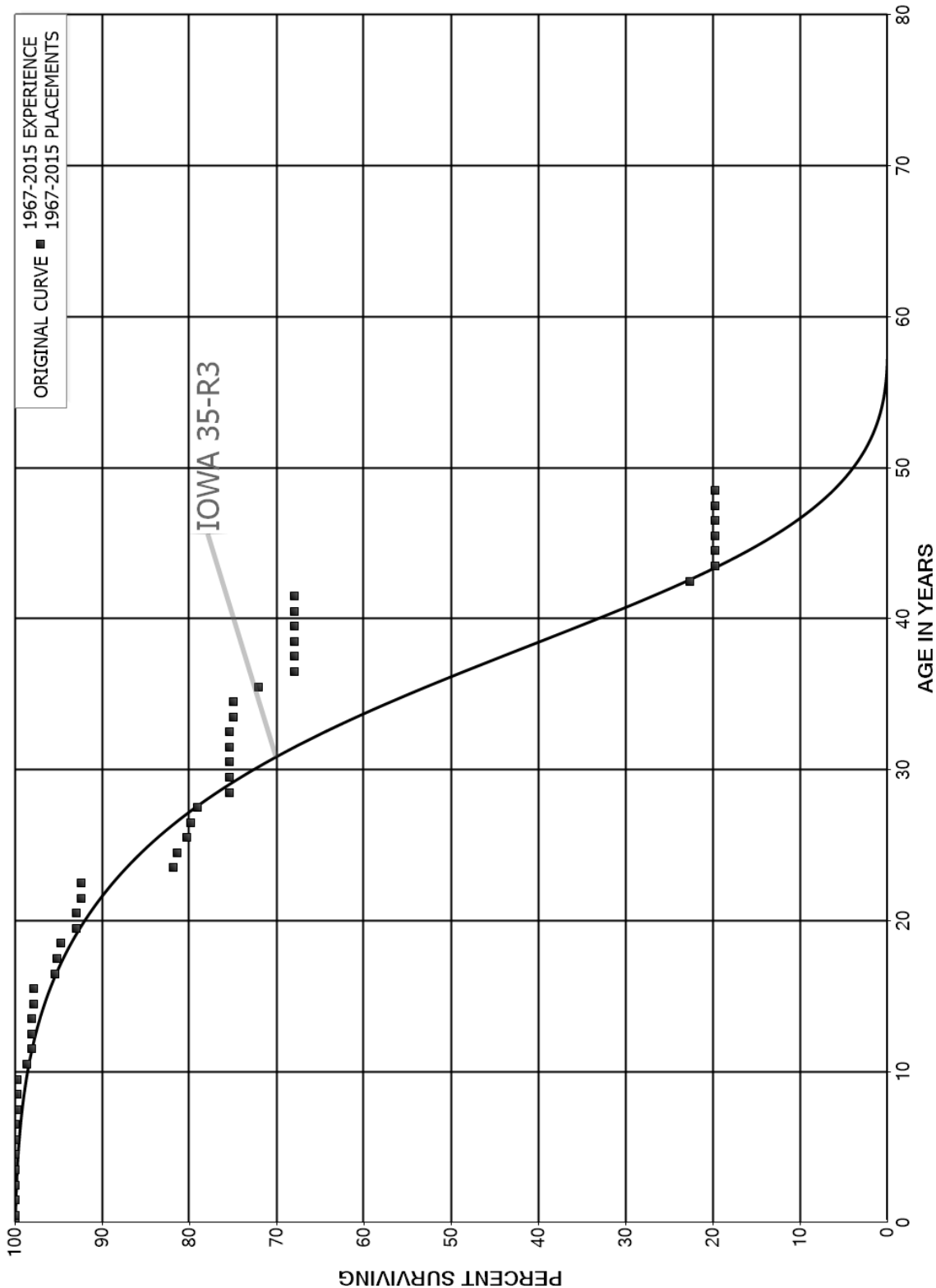
ACCOUNT R09 - REGULATORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	555,281		0.0000	1.0000	49.30
40.5	319,070	19,871	0.0623	0.9377	49.30
41.5	299,199	40,203	0.1344	0.8656	46.23
42.5	258,996		0.0000	1.0000	40.02
43.5	258,996	5,232	0.0202	0.9798	40.02
44.5	73,033		0.0000	1.0000	39.21
45.5	18,866		0.0000	1.0000	39.21
46.5	18,866		0.0000	1.0000	39.21
47.5					39.21

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R11 - REVENUE METERING
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R11 - REVENUE METERING

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	1,508,564		0.0000	1.0000	100.00
0.5	1,225,032		0.0000	1.0000	100.00
1.5	1,137,869		0.0000	1.0000	100.00
2.5	1,137,869		0.0000	1.0000	100.00
3.5	1,110,539		0.0000	1.0000	100.00
4.5	1,110,539		0.0000	1.0000	100.00
5.5	1,110,539		0.0000	1.0000	100.00
6.5	1,020,842	2,849	0.0028	0.9972	100.00
7.5	1,017,993		0.0000	1.0000	99.72
8.5	1,017,993		0.0000	1.0000	99.72
9.5	1,017,993	11,675	0.0115	0.9885	99.72
10.5	1,006,318	5,741	0.0057	0.9943	98.58
11.5	1,000,577		0.0000	1.0000	98.01
12.5	961,003		0.0000	1.0000	98.01
13.5	874,366	1,423	0.0016	0.9984	98.01
14.5	751,458		0.0000	1.0000	97.86
15.5	751,458	18,546	0.0247	0.9753	97.86
16.5	732,912	2,216	0.0030	0.9970	95.44
17.5	730,695	3,414	0.0047	0.9953	95.15
18.5	717,902	12,997	0.0181	0.9819	94.71
19.5	675,441		0.0000	1.0000	92.99
20.5	667,906	4,262	0.0064	0.9936	92.99
21.5	658,159		0.0000	1.0000	92.40
22.5	658,159	75,135	0.1142	0.8858	92.40
23.5	548,693	3,113	0.0057	0.9943	81.85
24.5	529,063	7,155	0.0135	0.9865	81.39
25.5	506,277	3,057	0.0060	0.9940	80.29
26.5	479,375	4,300	0.0090	0.9910	79.80
27.5	443,227	20,791	0.0469	0.9531	79.09
28.5	388,109		0.0000	1.0000	75.38
29.5	344,832		0.0000	1.0000	75.38
30.5	330,328		0.0000	1.0000	75.38
31.5	300,515		0.0000	1.0000	75.38
32.5	267,391	1,500	0.0056	0.9944	75.38
33.5	263,370	81	0.0003	0.9997	74.95
34.5	230,673	8,900	0.0386	0.9614	74.93
35.5	184,070	10,380	0.0564	0.9436	72.04
36.5	165,782		0.0000	1.0000	67.98
37.5	127,806		0.0000	1.0000	67.98
38.5	119,068		0.0000	1.0000	67.98

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

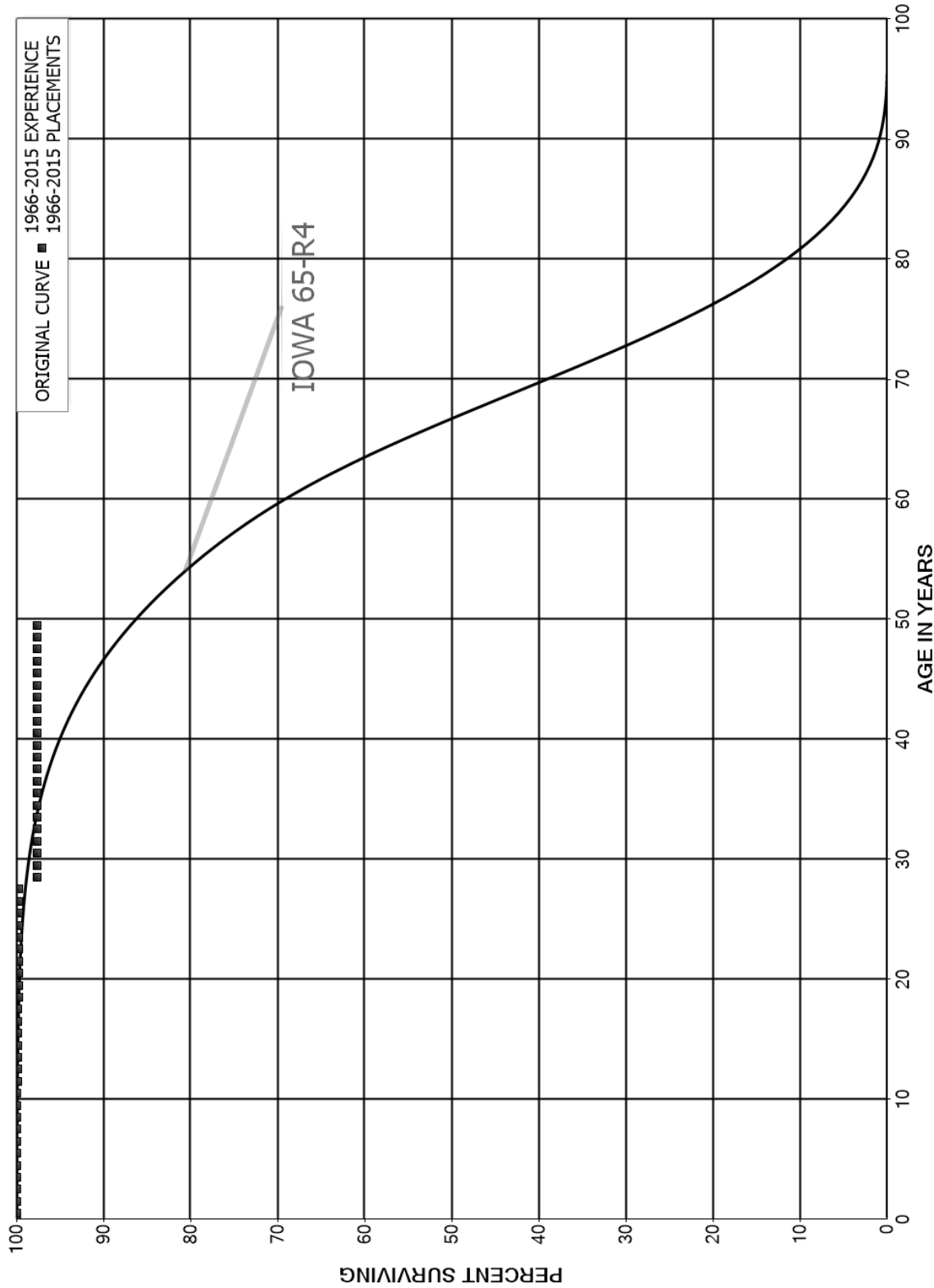
ACCOUNT R11 - REVENUE METERING

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	109,085		0.0000	1.0000	67.98
40.5	109,085		0.0000	1.0000	67.98
41.5	95,985	64,116	0.6680	0.3320	67.98
42.5	31,869	3,996	0.1254	0.8746	22.57
43.5	27,873		0.0000	1.0000	19.74
44.5	27,873		0.0000	1.0000	19.74
45.5	19,571		0.0000	1.0000	19.74
46.5	19,571		0.0000	1.0000	19.74
47.5	12,751		0.0000	1.0000	19.74
48.5					19.74

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R12 - RIGHT-OF-WAYS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R12 - RIGHT-OF-WAYS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	22,059,531	1,600	0.0001	0.9999	100.00
0.5	21,605,210		0.0000	1.0000	99.99
1.5	21,293,543		0.0000	1.0000	99.99
2.5	20,849,493		0.0000	1.0000	99.99
3.5	20,504,169		0.0000	1.0000	99.99
4.5	20,490,290		0.0000	1.0000	99.99
5.5	20,392,646		0.0000	1.0000	99.99
6.5	20,226,290	11,091	0.0005	0.9995	99.99
7.5	20,065,833		0.0000	1.0000	99.94
8.5	19,966,375		0.0000	1.0000	99.94
9.5	18,837,838		0.0000	1.0000	99.94
10.5	18,709,150	15,824	0.0008	0.9992	99.94
11.5	18,614,027		0.0000	1.0000	99.85
12.5	18,581,320		0.0000	1.0000	99.85
13.5	17,152,270		0.0000	1.0000	99.85
14.5	17,141,738		0.0000	1.0000	99.85
15.5	17,126,720		0.0000	1.0000	99.85
16.5	17,022,978		0.0000	1.0000	99.85
17.5	16,432,628	14,319	0.0009	0.9991	99.85
18.5	16,235,393		0.0000	1.0000	99.77
19.5	15,703,747	1,048	0.0001	0.9999	99.77
20.5	15,377,901		0.0000	1.0000	99.76
21.5	15,341,710		0.0000	1.0000	99.76
22.5	15,253,473		0.0000	1.0000	99.76
23.5	15,229,499		0.0000	1.0000	99.76
24.5	15,060,740		0.0000	1.0000	99.76
25.5	14,274,519		0.0000	1.0000	99.76
26.5	13,724,745		0.0000	1.0000	99.76
27.5	13,549,048	286,000	0.0211	0.9789	99.76
28.5	12,699,887		0.0000	1.0000	97.65
29.5	12,659,912		0.0000	1.0000	97.65
30.5	10,945,808		0.0000	1.0000	97.65
31.5	10,878,870		0.0000	1.0000	97.65
32.5	9,092,770		0.0000	1.0000	97.65
33.5	8,299,505		0.0000	1.0000	97.65
34.5	7,183,257		0.0000	1.0000	97.65
35.5	7,061,068		0.0000	1.0000	97.65
36.5	7,061,068		0.0000	1.0000	97.65
37.5	4,170,908		0.0000	1.0000	97.65
38.5	4,145,244		0.0000	1.0000	97.65

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

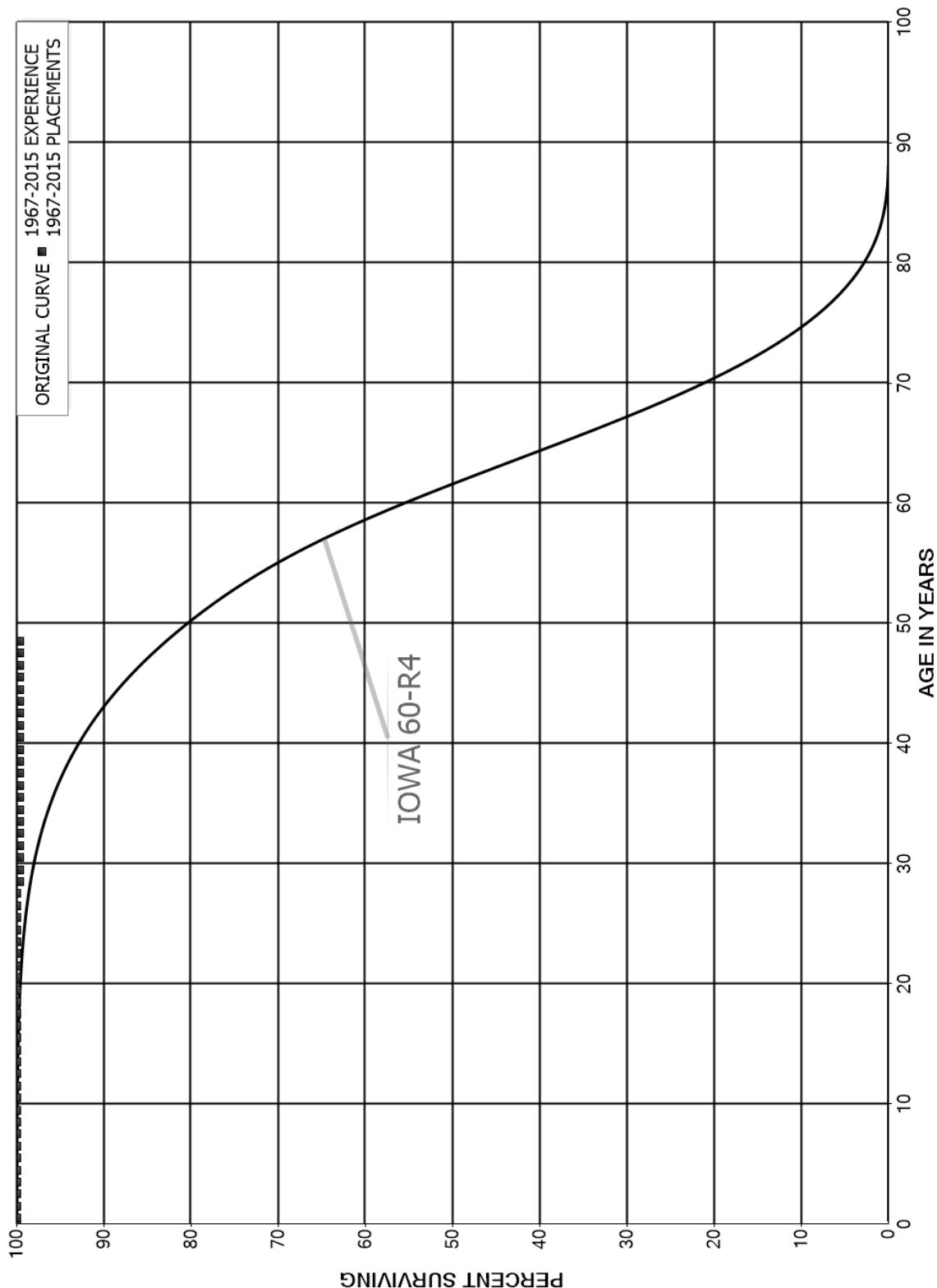
ACCOUNT R12 - RIGHT-OF-WAYS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	4,010,899		0.0000	1.0000	97.65
40.5	4,010,899		0.0000	1.0000	97.65
41.5	3,436,307		0.0000	1.0000	97.65
42.5	3,430,573		0.0000	1.0000	97.65
43.5	3,430,573		0.0000	1.0000	97.65
44.5	3,430,573		0.0000	1.0000	97.65
45.5	3,131,034		0.0000	1.0000	97.65
46.5	3,045,745		0.0000	1.0000	97.65
47.5	2,771,429		0.0000	1.0000	97.65
48.5	1,057,755		0.0000	1.0000	97.65
49.5					97.65

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R13 - ROADS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R13 - ROADS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	84,743,338		0.0000	1.0000	100.00
0.5	83,803,528		0.0000	1.0000	100.00
1.5	83,297,928	47	0.0000	1.0000	100.00
2.5	83,246,209		0.0000	1.0000	100.00
3.5	83,000,618		0.0000	1.0000	100.00
4.5	81,947,247	2,866	0.0000	1.0000	100.00
5.5	80,961,124		0.0000	1.0000	100.00
6.5	80,636,806		0.0000	1.0000	100.00
7.5	80,231,941		0.0000	1.0000	100.00
8.5	79,296,607		0.0000	1.0000	100.00
9.5	79,296,607		0.0000	1.0000	100.00
10.5	77,938,263		0.0000	1.0000	100.00
11.5	77,938,263		0.0000	1.0000	100.00
12.5	77,170,348		0.0000	1.0000	100.00
13.5	77,126,335		0.0000	1.0000	100.00
14.5	76,693,992		0.0000	1.0000	100.00
15.5	76,538,121		0.0000	1.0000	100.00
16.5	76,538,121		0.0000	1.0000	100.00
17.5	76,538,121		0.0000	1.0000	100.00
18.5	76,522,472		0.0000	1.0000	100.00
19.5	76,518,513		0.0000	1.0000	100.00
20.5	76,508,506		0.0000	1.0000	100.00
21.5	76,483,366		0.0000	1.0000	100.00
22.5	76,477,954		0.0000	1.0000	100.00
23.5	76,477,954		0.0000	1.0000	100.00
24.5	76,423,390		0.0000	1.0000	100.00
25.5	76,371,146		0.0000	1.0000	100.00
26.5	76,007,793		0.0000	1.0000	100.00
27.5	74,701,137	294,807	0.0039	0.9961	100.00
28.5	74,406,330		0.0000	1.0000	99.60
29.5	74,393,088		0.0000	1.0000	99.60
30.5	74,076,302	3,012	0.0000	1.0000	99.60
31.5	13,533,189		0.0000	1.0000	99.60
32.5	3,934,256		0.0000	1.0000	99.60
33.5	3,931,345		0.0000	1.0000	99.60
34.5	3,915,579		0.0000	1.0000	99.60
35.5	748,219		0.0000	1.0000	99.60
36.5	743,158		0.0000	1.0000	99.60
37.5	732,109		0.0000	1.0000	99.60
38.5	720,351		0.0000	1.0000	99.60

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

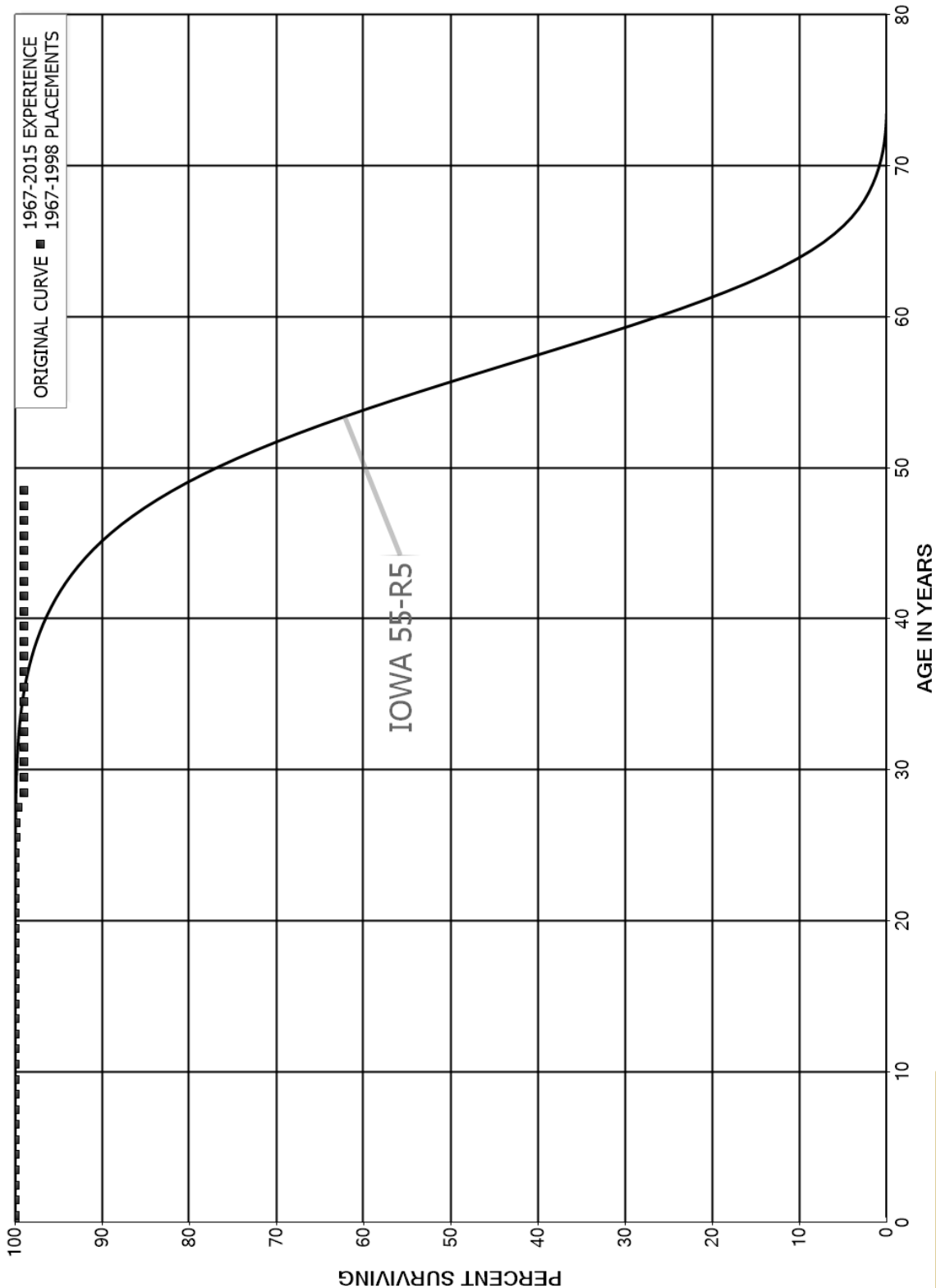
ACCOUNT R13 - ROADS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	720,351		0.0000	1.0000	99.60
40.5	720,351		0.0000	1.0000	99.60
41.5	720,351		0.0000	1.0000	99.60
42.5	709,139		0.0000	1.0000	99.60
43.5	709,139		0.0000	1.0000	99.60
44.5	682,139		0.0000	1.0000	99.60
45.5	553,964		0.0000	1.0000	99.60
46.5	63,486		0.0000	1.0000	99.60
47.5	40,993		0.0000	1.0000	99.60
48.5					99.60

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT R15 - RUNNER
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R15 - RUNNER

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-1998			EXPERIENCE BAND 1967-2015		
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	11,783,932		0.0000	1.0000	100.00
0.5	11,783,932		0.0000	1.0000	100.00
1.5	11,783,932		0.0000	1.0000	100.00
2.5	11,783,932		0.0000	1.0000	100.00
3.5	11,783,932		0.0000	1.0000	100.00
4.5	11,783,932		0.0000	1.0000	100.00
5.5	11,783,932		0.0000	1.0000	100.00
6.5	11,783,932		0.0000	1.0000	100.00
7.5	11,783,932		0.0000	1.0000	100.00
8.5	11,783,932		0.0000	1.0000	100.00
9.5	11,783,932		0.0000	1.0000	100.00
10.5	11,783,932		0.0000	1.0000	100.00
11.5	11,783,932		0.0000	1.0000	100.00
12.5	11,783,932		0.0000	1.0000	100.00
13.5	11,783,932		0.0000	1.0000	100.00
14.5	11,783,932		0.0000	1.0000	100.00
15.5	11,783,932		0.0000	1.0000	100.00
16.5	11,783,932		0.0000	1.0000	100.00
17.5	11,737,244		0.0000	1.0000	100.00
18.5	11,737,244		0.0000	1.0000	100.00
19.5	11,677,403		0.0000	1.0000	100.00
20.5	11,677,403		0.0000	1.0000	100.00
21.5	11,661,244		0.0000	1.0000	100.00
22.5	11,661,244		0.0000	1.0000	100.00
23.5	11,661,244		0.0000	1.0000	100.00
24.5	11,661,244	14,003	0.0012	0.9988	100.00
25.5	11,647,242	58	0.0000	1.0000	99.88
26.5	11,063,796	28,005	0.0025	0.9975	99.88
27.5	11,035,791	72,023	0.0065	0.9935	99.63
28.5	10,963,769		0.0000	1.0000	98.98
29.5	10,963,769		0.0000	1.0000	98.98
30.5	8,318,863		0.0000	1.0000	98.98
31.5	8,318,863		0.0000	1.0000	98.98
32.5	8,318,863		0.0000	1.0000	98.98
33.5	8,318,863		0.0000	1.0000	98.98
34.5	8,318,863		0.0000	1.0000	98.98
35.5	8,268,519		0.0000	1.0000	98.98
36.5	8,268,519		0.0000	1.0000	98.98
37.5	8,268,519		0.0000	1.0000	98.98
38.5	8,138,207		0.0000	1.0000	98.98

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

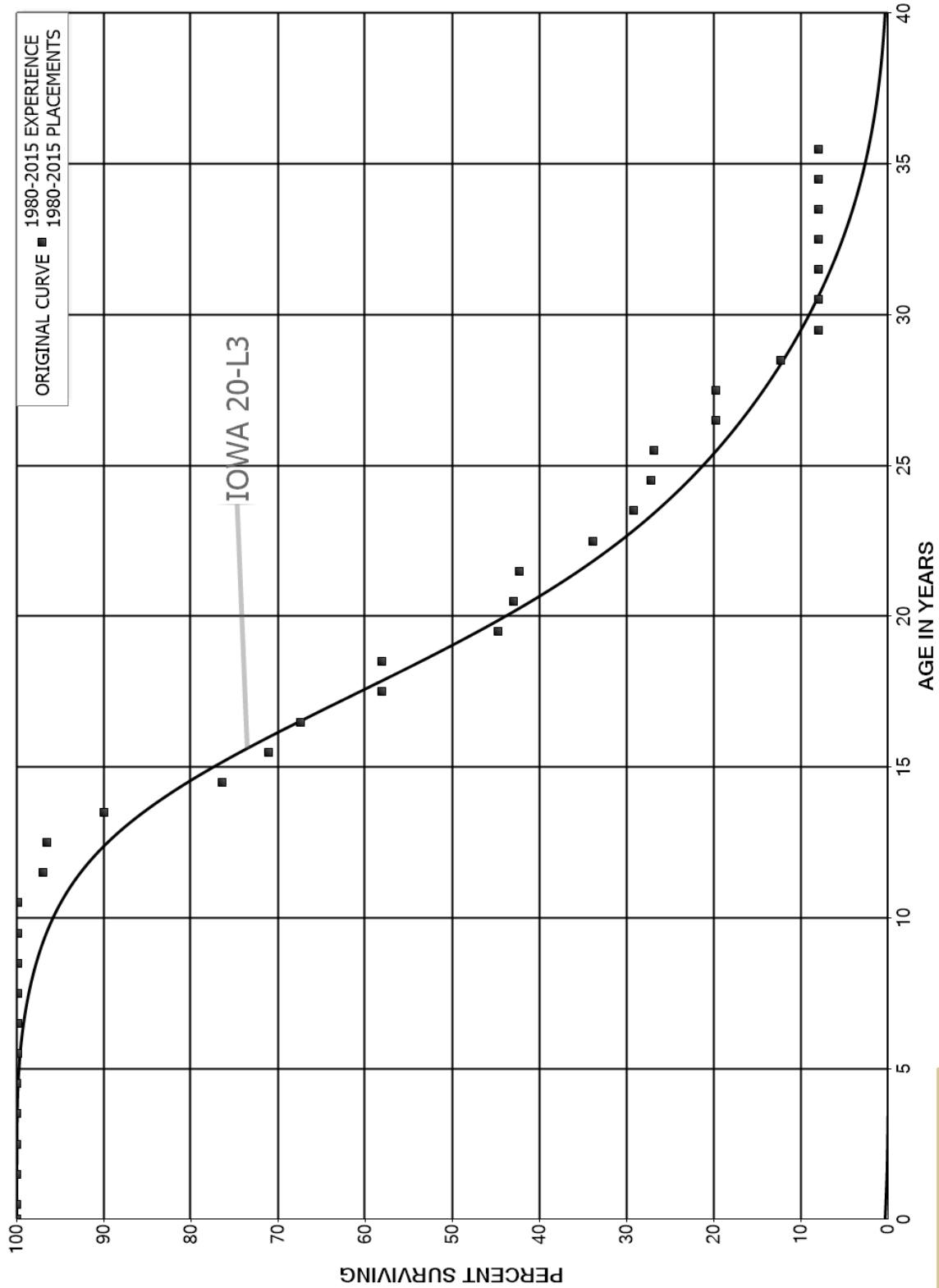
ACCOUNT R15 - RUNNER

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-1998			EXPERIENCE BAND 1967-2015		
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	8,138,207		0.0000	1.0000	98.98
40.5	8,138,207		0.0000	1.0000	98.98
41.5	8,138,207		0.0000	1.0000	98.98
42.5	8,138,207		0.0000	1.0000	98.98
43.5	8,138,207		0.0000	1.0000	98.98
44.5	8,138,207		0.0000	1.0000	98.98
45.5	6,679,642		0.0000	1.0000	98.98
46.5	6,679,642		0.0000	1.0000	98.98
47.5	5,230,693		0.0000	1.0000	98.98
48.5					98.98

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S01 - SCADA EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

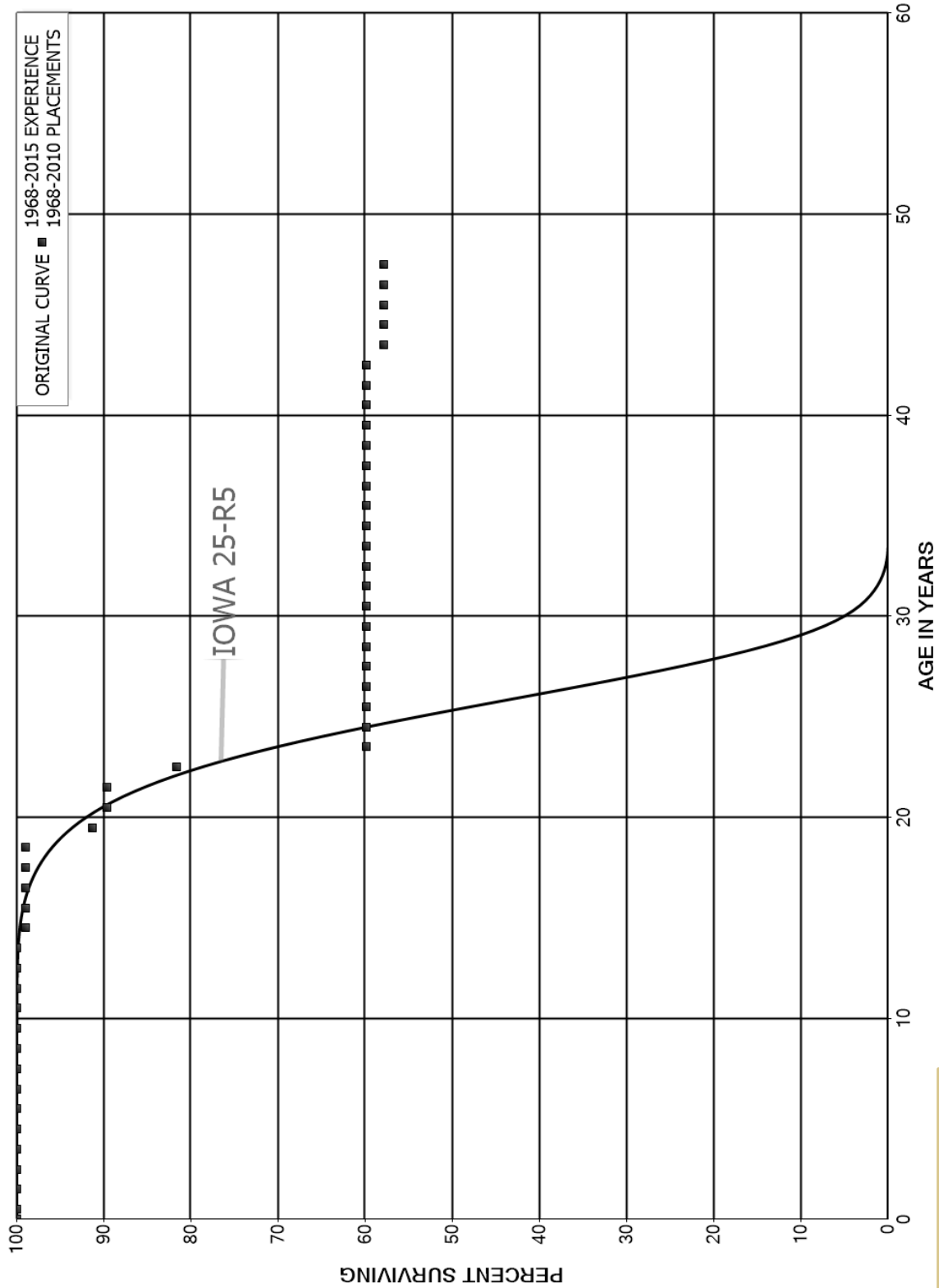
ACCOUNT S01 - SCADA EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1980-2015			EXPERIENCE BAND 1980-2015		
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	7,659,317		0.0000	1.0000	100.00
0.5	6,863,926		0.0000	1.0000	100.00
1.5	6,836,602		0.0000	1.0000	100.00
2.5	6,626,915		0.0000	1.0000	100.00
3.5	6,553,388		0.0000	1.0000	100.00
4.5	6,467,080	9,152	0.0014	0.9986	100.00
5.5	6,091,299		0.0000	1.0000	99.86
6.5	5,839,306		0.0000	1.0000	99.86
7.5	5,558,497		0.0000	1.0000	99.86
8.5	5,282,731		0.0000	1.0000	99.86
9.5	5,056,843		0.0000	1.0000	99.86
10.5	4,853,295	141,749	0.0292	0.9708	99.86
11.5	4,368,191	21,620	0.0049	0.9951	96.94
12.5	3,783,706	255,345	0.0675	0.9325	96.46
13.5	3,129,541	470,373	0.1503	0.8497	89.95
14.5	2,329,086	163,210	0.0701	0.9299	76.43
15.5	2,165,876	112,977	0.0522	0.9478	71.08
16.5	1,872,257	257,060	0.1373	0.8627	67.37
17.5	1,596,218		0.0000	1.0000	58.12
18.5	1,596,218	368,961	0.2311	0.7689	58.12
19.5	1,227,257	48,564	0.0396	0.9604	44.69
20.5	1,164,407	17,781	0.0153	0.9847	42.92
21.5	1,146,625	228,460	0.1992	0.8008	42.26
22.5	918,165	127,565	0.1389	0.8611	33.84
23.5	790,600	54,709	0.0692	0.9308	29.14
24.5	735,891	7,398	0.0101	0.9899	27.12
25.5	655,116	174,629	0.2666	0.7334	26.85
26.5	452,574	188	0.0004	0.9996	19.69
27.5	452,385	171,129	0.3783	0.6217	19.68
28.5	281,256	98,514	0.3503	0.6497	12.24
29.5	127,278		0.0000	1.0000	7.95
30.5	127,278		0.0000	1.0000	7.95
31.5	127,278		0.0000	1.0000	7.95
32.5	127,278		0.0000	1.0000	7.95
33.5	127,278		0.0000	1.0000	7.95
34.5	127,278		0.0000	1.0000	7.95
35.5					7.95

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S02 - SECTIONALIZERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S02 - SECTIONALIZERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2010			EXPERIENCE BAND 1968-2015		
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	241,094		0.0000	1.0000	100.00
0.5	241,094		0.0000	1.0000	100.00
1.5	241,094		0.0000	1.0000	100.00
2.5	241,094		0.0000	1.0000	100.00
3.5	241,094		0.0000	1.0000	100.00
4.5	241,094		0.0000	1.0000	100.00
5.5	235,651		0.0000	1.0000	100.00
6.5	235,651		0.0000	1.0000	100.00
7.5	235,651		0.0000	1.0000	100.00
8.5	235,651		0.0000	1.0000	100.00
9.5	235,651		0.0000	1.0000	100.00
10.5	235,651		0.0000	1.0000	100.00
11.5	235,651		0.0000	1.0000	100.00
12.5	235,651		0.0000	1.0000	100.00
13.5	235,651	2,387	0.0101	0.9899	100.00
14.5	233,264		0.0000	1.0000	98.99
15.5	229,158		0.0000	1.0000	98.99
16.5	229,158		0.0000	1.0000	98.99
17.5	229,158		0.0000	1.0000	98.99
18.5	229,158	17,768	0.0775	0.9225	98.99
19.5	189,387	3,493	0.0184	0.9816	91.31
20.5	185,893		0.0000	1.0000	89.63
21.5	185,893	16,621	0.0894	0.9106	89.63
22.5	169,272	45,060	0.2662	0.7338	81.61
23.5	124,212		0.0000	1.0000	59.89
24.5	77,660		0.0000	1.0000	59.89
25.5	77,660		0.0000	1.0000	59.89
26.5	75,933		0.0000	1.0000	59.89
27.5	75,933		0.0000	1.0000	59.89
28.5	75,933		0.0000	1.0000	59.89
29.5	73,992		0.0000	1.0000	59.89
30.5	73,992		0.0000	1.0000	59.89
31.5	73,992		0.0000	1.0000	59.89
32.5	73,992		0.0000	1.0000	59.89
33.5	73,992		0.0000	1.0000	59.89
34.5	73,992		0.0000	1.0000	59.89
35.5	73,992		0.0000	1.0000	59.89
36.5	73,992		0.0000	1.0000	59.89
37.5	73,992		0.0000	1.0000	59.89
38.5	73,992		0.0000	1.0000	59.89

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

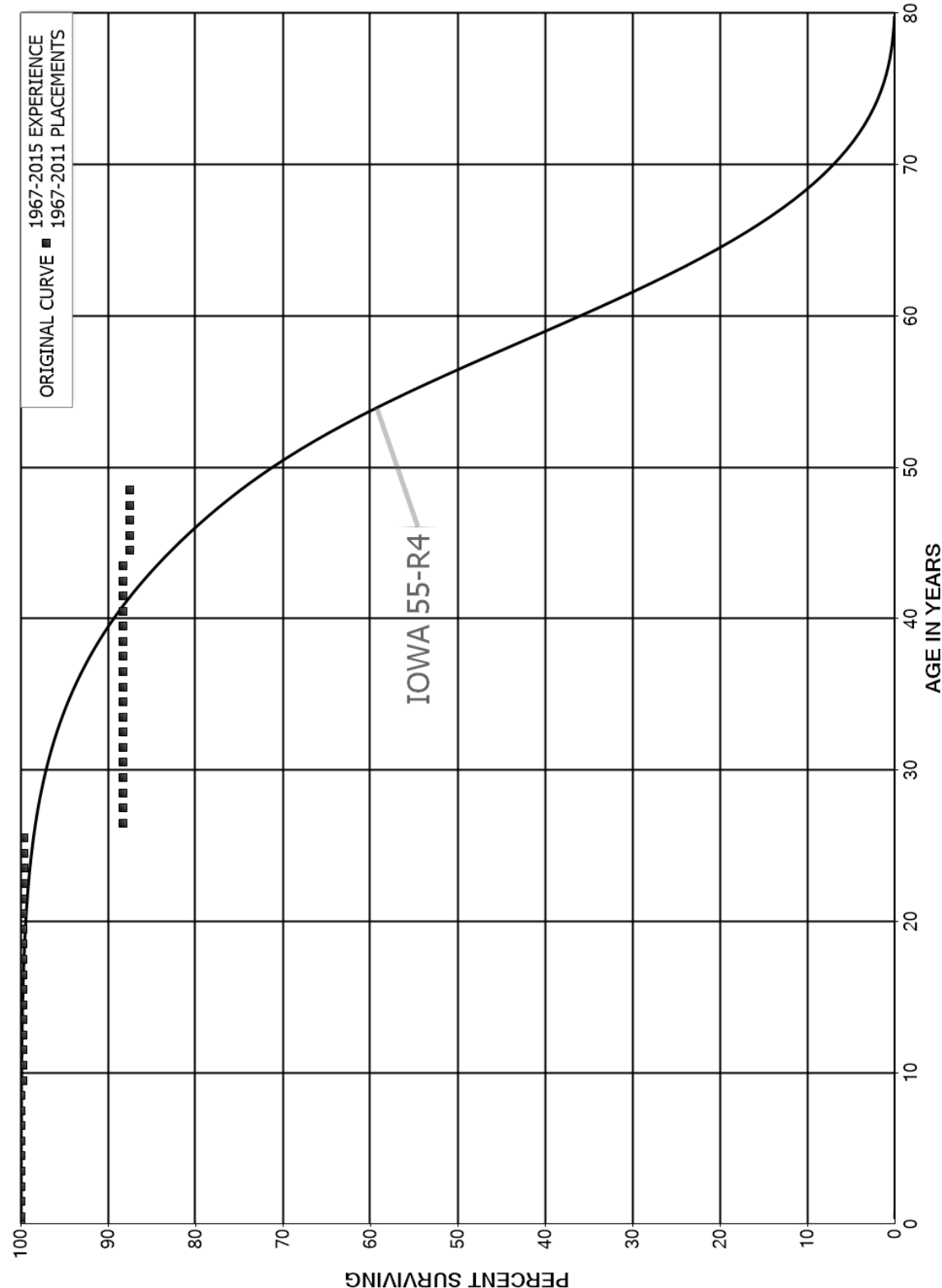
ACCOUNT S02 - SECTIONALIZERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2010			EXPERIENCE BAND 1968-2015		
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	73,992		0.0000	1.0000	59.89
40.5	50,223		0.0000	1.0000	59.89
41.5	50,223		0.0000	1.0000	59.89
42.5	50,223	1,756	0.0350	0.9650	59.89
43.5	48,467		0.0000	1.0000	57.79
44.5	48,467		0.0000	1.0000	57.79
45.5	48,467		0.0000	1.0000	57.79
46.5	48,467		0.0000	1.0000	57.79
47.5					57.79

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S04 - SEWAGE DISPOSAL SYSTEM
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S04 - SEWAGE DISPOSAL SYSTEM

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2011			EXPERIENCE BAND 1967-2015		
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	3,028,054		0.0000	1.0000	100.00
0.5	3,028,054		0.0000	1.0000	100.00
1.5	3,028,054		0.0000	1.0000	100.00
2.5	3,028,054		0.0000	1.0000	100.00
3.5	3,028,054		0.0000	1.0000	100.00
4.5	2,884,687		0.0000	1.0000	100.00
5.5	2,758,930		0.0000	1.0000	100.00
6.5	2,714,051		0.0000	1.0000	100.00
7.5	2,669,446		0.0000	1.0000	100.00
8.5	2,611,317	8,327	0.0032	0.9968	100.00
9.5	2,567,675		0.0000	1.0000	99.68
10.5	2,567,675		0.0000	1.0000	99.68
11.5	2,567,675		0.0000	1.0000	99.68
12.5	2,469,764		0.0000	1.0000	99.68
13.5	2,113,937		0.0000	1.0000	99.68
14.5	2,113,937		0.0000	1.0000	99.68
15.5	2,113,937		0.0000	1.0000	99.68
16.5	1,137,751		0.0000	1.0000	99.68
17.5	1,082,153		0.0000	1.0000	99.68
18.5	1,077,919		0.0000	1.0000	99.68
19.5	1,064,436		0.0000	1.0000	99.68
20.5	933,197		0.0000	1.0000	99.68
21.5	933,197	899	0.0010	0.9990	99.68
22.5	932,298		0.0000	1.0000	99.59
23.5	916,457		0.0000	1.0000	99.59
24.5	916,457		0.0000	1.0000	99.59
25.5	866,450	97,985	0.1131	0.8869	99.59
26.5	460,447		0.0000	1.0000	88.32
27.5	457,750		0.0000	1.0000	88.32
28.5	457,750		0.0000	1.0000	88.32
29.5	457,750		0.0000	1.0000	88.32
30.5	457,750		0.0000	1.0000	88.32
31.5	457,750		0.0000	1.0000	88.32
32.5	362,744		0.0000	1.0000	88.32
33.5	359,744		0.0000	1.0000	88.32
34.5	357,077		0.0000	1.0000	88.32
35.5	213,958		0.0000	1.0000	88.32
36.5	213,958		0.0000	1.0000	88.32
37.5	179,942		0.0000	1.0000	88.32
38.5	172,081		0.0000	1.0000	88.32

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

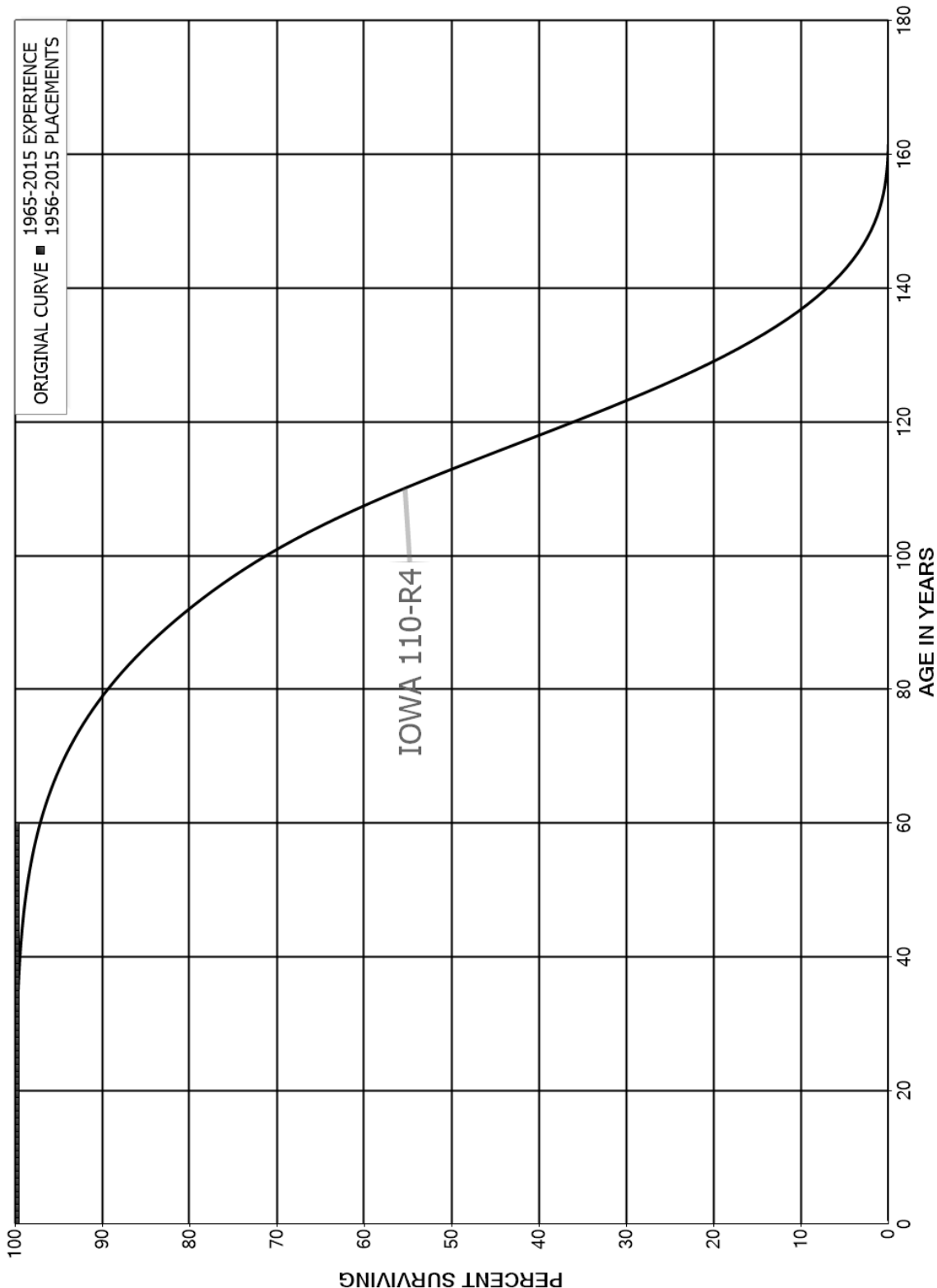
ACCOUNT S04 - SEWAGE DISPOSAL SYSTEM

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2011			EXPERIENCE BAND 1967-2015		
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	172,081		0.0000	1.0000	88.32
40.5	172,081		0.0000	1.0000	88.32
41.5	172,081		0.0000	1.0000	88.32
42.5	172,081		0.0000	1.0000	88.32
43.5	167,427	1,523	0.0091	0.9909	88.32
44.5	164,517		0.0000	1.0000	87.52
45.5	150,432		0.0000	1.0000	87.52
46.5	17,904		0.0000	1.0000	87.52
47.5	10,112		0.0000	1.0000	87.52
48.5					87.52

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S06 - SPILLWAY STRUCTURES
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S06 - SPILLWAY STRUCTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1956-2015			EXPERIENCE BAND 1965-2015		
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	28,083,039		0.0000	1.0000	100.00
0.5	28,033,039		0.0000	1.0000	100.00
1.5	28,033,039		0.0000	1.0000	100.00
2.5	28,033,039		0.0000	1.0000	100.00
3.5	28,033,039		0.0000	1.0000	100.00
4.5	28,033,039		0.0000	1.0000	100.00
5.5	28,033,039		0.0000	1.0000	100.00
6.5	28,033,039		0.0000	1.0000	100.00
7.5	28,033,039		0.0000	1.0000	100.00
8.5	28,070,270		0.0000	1.0000	100.00
9.5	28,070,270		0.0000	1.0000	100.00
10.5	28,070,270		0.0000	1.0000	100.00
11.5	28,070,270		0.0000	1.0000	100.00
12.5	26,332,464		0.0000	1.0000	100.00
13.5	26,332,464		0.0000	1.0000	100.00
14.5	26,332,464		0.0000	1.0000	100.00
15.5	26,332,464		0.0000	1.0000	100.00
16.5	26,332,464		0.0000	1.0000	100.00
17.5	26,332,464		0.0000	1.0000	100.00
18.5	26,332,464		0.0000	1.0000	100.00
19.5	26,332,464		0.0000	1.0000	100.00
20.5	26,332,464		0.0000	1.0000	100.00
21.5	26,332,464		0.0000	1.0000	100.00
22.5	26,332,464		0.0000	1.0000	100.00
23.5	26,325,756		0.0000	1.0000	100.00
24.5	26,290,175		0.0000	1.0000	100.00
25.5	26,290,175		0.0000	1.0000	100.00
26.5	26,290,175		0.0000	1.0000	100.00
27.5	26,261,403		0.0000	1.0000	100.00
28.5	26,261,403		0.0000	1.0000	100.00
29.5	26,261,403		0.0000	1.0000	100.00
30.5	26,261,403		0.0000	1.0000	100.00
31.5	19,750,348		0.0000	1.0000	100.00
32.5	19,747,399		0.0000	1.0000	100.00
33.5	7,917,388		0.0000	1.0000	100.00
34.5	7,917,388		0.0000	1.0000	100.00
35.5	7,917,388		0.0000	1.0000	100.00
36.5	4,434,743		0.0000	1.0000	100.00
37.5	4,434,743		0.0000	1.0000	100.00
38.5	4,434,743		0.0000	1.0000	100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

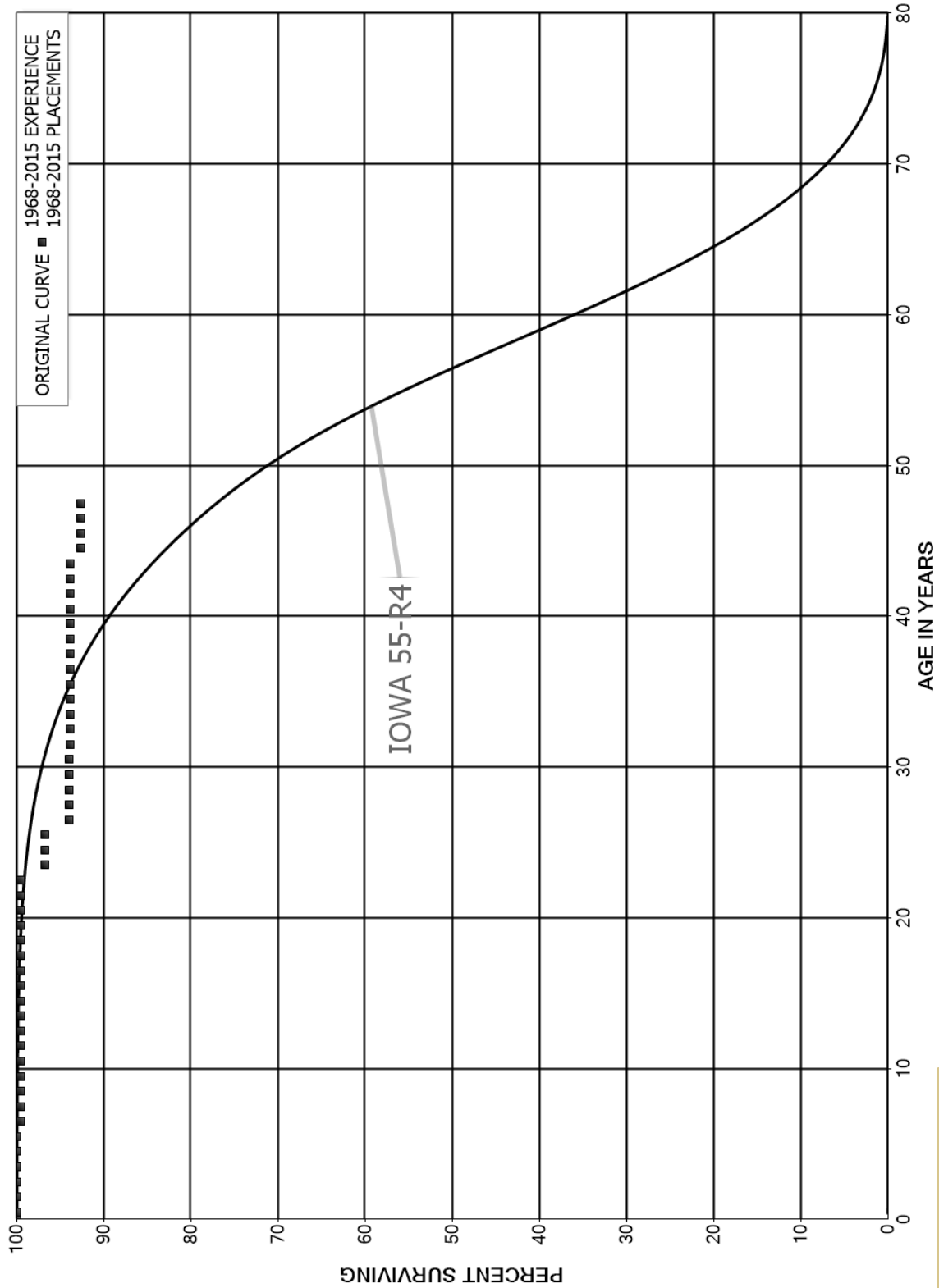
ACCOUNT S06 - SPILLWAY STRUCTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1956-2015			EXPERIENCE BAND 1965-2015		
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	4,434,743		0.0000	1.0000	100.00
40.5	4,434,743		0.0000	1.0000	100.00
41.5	4,434,743		0.0000	1.0000	100.00
42.5	4,434,743		0.0000	1.0000	100.00
43.5	4,434,743		0.0000	1.0000	100.00
44.5	4,434,743		0.0000	1.0000	100.00
45.5	4,434,743		0.0000	1.0000	100.00
46.5	4,434,743		0.0000	1.0000	100.00
47.5	4,434,743		0.0000	1.0000	100.00
48.5	2,173,611		0.0000	1.0000	100.00
49.5	37,231		0.0000	1.0000	100.00
50.5	37,231		0.0000	1.0000	100.00
51.5	37,231		0.0000	1.0000	100.00
52.5	37,231		0.0000	1.0000	100.00
53.5	37,231		0.0000	1.0000	100.00
54.5	37,231		0.0000	1.0000	100.00
55.5	37,231		0.0000	1.0000	100.00
56.5	37,231		0.0000	1.0000	100.00
57.5	37,231		0.0000	1.0000	100.00
58.5	37,231		0.0000	1.0000	100.00
59.5					100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S07 - STACKS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S07 - STACKS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	17,603,104		0.0000	1.0000	100.00
0.5	13,821,283		0.0000	1.0000	100.00
1.5	13,801,764	9,927	0.0007	0.9993	100.00
2.5	13,791,837		0.0000	1.0000	99.93
3.5	11,609,146		0.0000	1.0000	99.93
4.5	10,819,314		0.0000	1.0000	99.93
5.5	10,819,314	50,280	0.0046	0.9954	99.93
6.5	10,769,034		0.0000	1.0000	99.46
7.5	10,479,141		0.0000	1.0000	99.46
8.5	10,370,962		0.0000	1.0000	99.46
9.5	10,370,962		0.0000	1.0000	99.46
10.5	8,301,831		0.0000	1.0000	99.46
11.5	8,301,831		0.0000	1.0000	99.46
12.5	8,301,831		0.0000	1.0000	99.46
13.5	8,301,831		0.0000	1.0000	99.46
14.5	8,207,809		0.0000	1.0000	99.46
15.5	8,207,809		0.0000	1.0000	99.46
16.5	8,207,809		0.0000	1.0000	99.46
17.5	8,207,809		0.0000	1.0000	99.46
18.5	8,207,809		0.0000	1.0000	99.46
19.5	8,086,784		0.0000	1.0000	99.46
20.5	8,049,829		0.0000	1.0000	99.46
21.5	8,049,829		0.0000	1.0000	99.46
22.5	8,049,829	225,731	0.0280	0.9720	99.46
23.5	6,975,642		0.0000	1.0000	96.67
24.5	6,975,642		0.0000	1.0000	96.67
25.5	6,975,642	195,010	0.0280	0.9720	96.67
26.5	6,780,633		0.0000	1.0000	93.97
27.5	6,774,500		0.0000	1.0000	93.97
28.5	6,774,500		0.0000	1.0000	93.97
29.5	6,746,581		0.0000	1.0000	93.97
30.5	6,746,581	12,760	0.0019	0.9981	93.97
31.5	6,733,821		0.0000	1.0000	93.79
32.5	6,733,821		0.0000	1.0000	93.79
33.5	6,733,821		0.0000	1.0000	93.79
34.5	6,733,821		0.0000	1.0000	93.79
35.5	5,035,613		0.0000	1.0000	93.79
36.5	5,035,613		0.0000	1.0000	93.79
37.5	5,035,613		0.0000	1.0000	93.79
38.5	5,035,613		0.0000	1.0000	93.79

**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

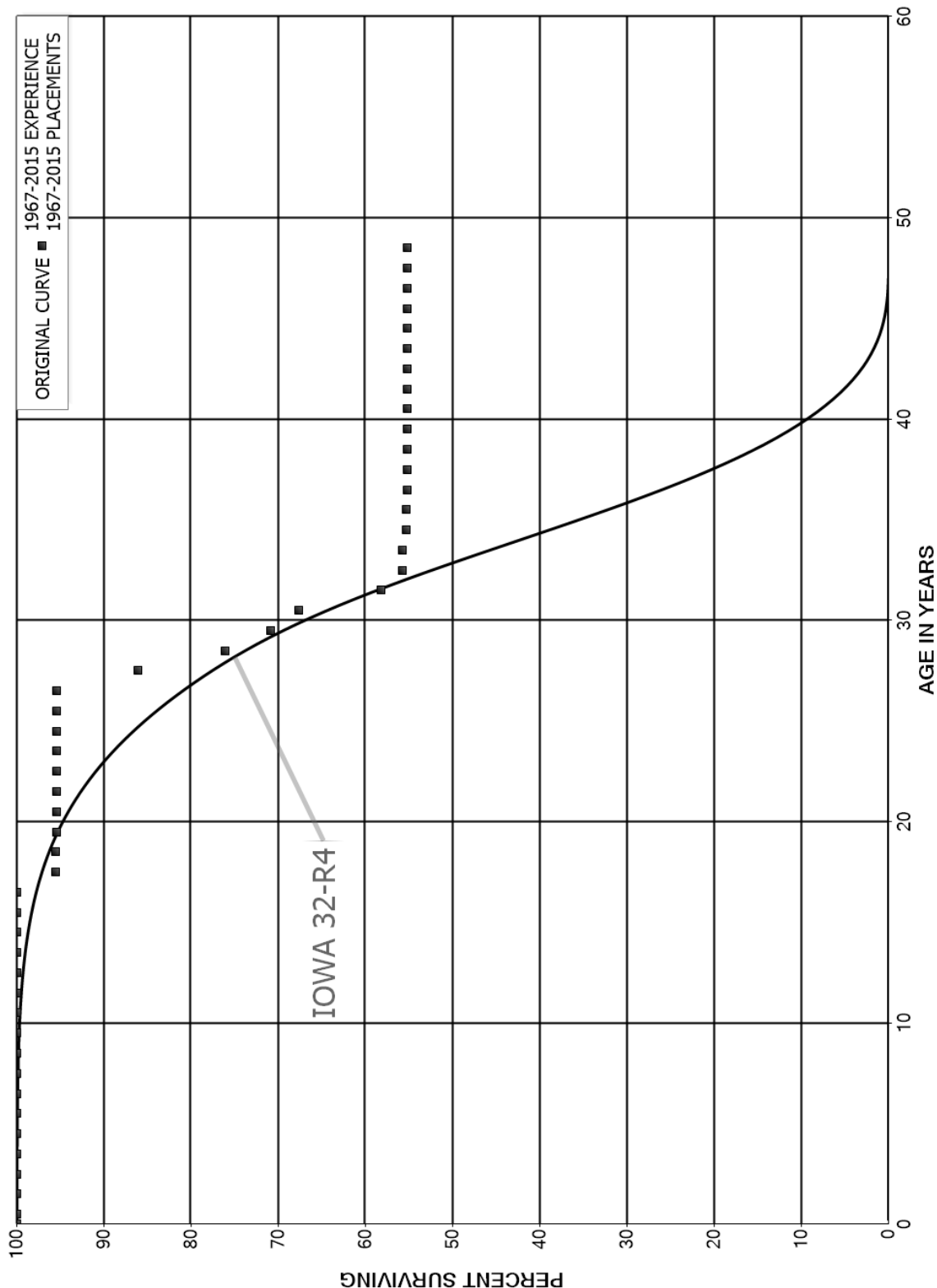
ACCOUNT S07 - STACKS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	5,027,012		0.0000	1.0000	93.79
40.5	4,365,649		0.0000	1.0000	93.79
41.5	4,296,040		0.0000	1.0000	93.79
42.5	4,296,040		0.0000	1.0000	93.79
43.5	4,296,040	56,428	0.0131	0.9869	93.79
44.5	3,809,218		0.0000	1.0000	92.56
45.5	3,809,218		0.0000	1.0000	92.56
46.5	3,809,218		0.0000	1.0000	92.56
47.5					92.56

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S08 - STATIC EXCITATION SYSTEM
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S08 - STATIC EXCITATION SYSTEM

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	13,697,385		0.0000	1.0000	100.00
0.5	13,016,565		0.0000	1.0000	100.00
1.5	13,016,565		0.0000	1.0000	100.00
2.5	11,796,837		0.0000	1.0000	100.00
3.5	11,233,766		0.0000	1.0000	100.00
4.5	11,233,766		0.0000	1.0000	100.00
5.5	11,233,766		0.0000	1.0000	100.00
6.5	11,233,766		0.0000	1.0000	100.00
7.5	11,233,766		0.0000	1.0000	100.00
8.5	11,233,766		0.0000	1.0000	100.00
9.5	11,233,766		0.0000	1.0000	100.00
10.5	11,233,766		0.0000	1.0000	100.00
11.5	10,585,051		0.0000	1.0000	100.00
12.5	9,994,625		0.0000	1.0000	100.00
13.5	9,405,190		0.0000	1.0000	100.00
14.5	9,388,601		0.0000	1.0000	100.00
15.5	9,059,543		0.0000	1.0000	100.00
16.5	9,059,543	405,819	0.0448	0.9552	100.00
17.5	8,633,626		0.0000	1.0000	95.52
18.5	8,633,626	6,733	0.0008	0.9992	95.52
19.5	8,626,892		0.0000	1.0000	95.45
20.5	8,626,892		0.0000	1.0000	95.45
21.5	8,626,892		0.0000	1.0000	95.45
22.5	8,626,892		0.0000	1.0000	95.45
23.5	8,498,957		0.0000	1.0000	95.45
24.5	8,498,957		0.0000	1.0000	95.45
25.5	8,498,957	2,227	0.0003	0.9997	95.45
26.5	8,277,464	811,162	0.0980	0.9020	95.42
27.5	7,464,167	864,084	0.1158	0.8842	86.07
28.5	6,600,084	461,167	0.0699	0.9301	76.11
29.5	6,138,917	272,384	0.0444	0.9556	70.79
30.5	5,866,532	822,012	0.1401	0.8599	67.65
31.5	5,044,521	214,141	0.0425	0.9575	58.17
32.5	4,830,380		0.0000	1.0000	55.70
33.5	4,805,335	32,738	0.0068	0.9932	55.70
34.5	4,772,597	5,000	0.0010	0.9990	55.32
35.5	3,277,853	5,419	0.0017	0.9983	55.26
36.5	3,272,434		0.0000	1.0000	55.17
37.5	3,272,434		0.0000	1.0000	55.17
38.5	3,264,434		0.0000	1.0000	55.17

**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

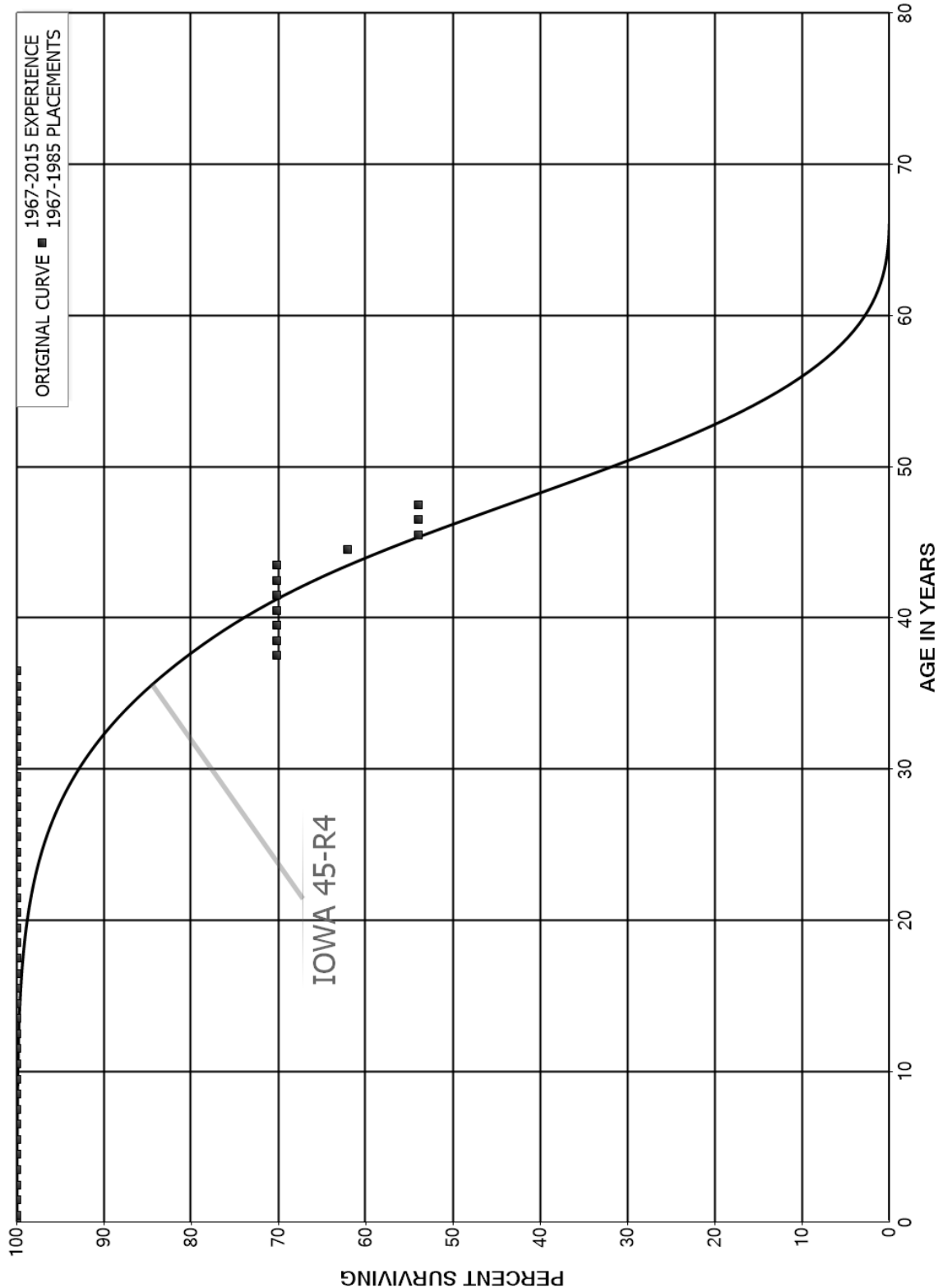
ACCOUNT S08 - STATIC EXCITATION SYSTEM

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	3,256,434		0.0000	1.0000	55.17
40.5	3,223,516		0.0000	1.0000	55.17
41.5	3,186,792		0.0000	1.0000	55.17
42.5	3,186,792		0.0000	1.0000	55.17
43.5	3,186,792		0.0000	1.0000	55.17
44.5	3,186,792		0.0000	1.0000	55.17
45.5	2,498,060		0.0000	1.0000	55.17
46.5	2,498,060		0.0000	1.0000	55.17
47.5	951,236		0.0000	1.0000	55.17
48.5					55.17

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S09 - STATIC EXCITATION - TRANSFORMERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S09 - STATIC EXCITATION - TRANSFORMERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-1985			EXPERIENCE BAND 1967-2015		
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	884,861		0.0000	1.0000	100.00
0.5	884,861		0.0000	1.0000	100.00
1.5	884,861		0.0000	1.0000	100.00
2.5	884,861		0.0000	1.0000	100.00
3.5	884,861		0.0000	1.0000	100.00
4.5	884,861		0.0000	1.0000	100.00
5.5	884,861		0.0000	1.0000	100.00
6.5	884,861		0.0000	1.0000	100.00
7.5	884,861		0.0000	1.0000	100.00
8.5	884,861		0.0000	1.0000	100.00
9.5	884,861		0.0000	1.0000	100.00
10.5	884,861		0.0000	1.0000	100.00
11.5	884,861		0.0000	1.0000	100.00
12.5	884,861		0.0000	1.0000	100.00
13.5	884,861		0.0000	1.0000	100.00
14.5	884,861		0.0000	1.0000	100.00
15.5	884,861		0.0000	1.0000	100.00
16.5	884,861		0.0000	1.0000	100.00
17.5	884,861		0.0000	1.0000	100.00
18.5	884,861		0.0000	1.0000	100.00
19.5	884,861		0.0000	1.0000	100.00
20.5	884,861		0.0000	1.0000	100.00
21.5	884,861		0.0000	1.0000	100.00
22.5	884,861		0.0000	1.0000	100.00
23.5	884,861		0.0000	1.0000	100.00
24.5	884,861		0.0000	1.0000	100.00
25.5	884,861		0.0000	1.0000	100.00
26.5	884,861		0.0000	1.0000	100.00
27.5	884,861		0.0000	1.0000	100.00
28.5	884,861		0.0000	1.0000	100.00
29.5	884,861		0.0000	1.0000	100.00
30.5	559,732		0.0000	1.0000	100.00
31.5	559,732		0.0000	1.0000	100.00
32.5	559,732		0.0000	1.0000	100.00
33.5	514,767		0.0000	1.0000	100.00
34.5	514,767		0.0000	1.0000	100.00
35.5	249,534		0.0000	1.0000	100.00
36.5	249,534	74,379	0.2981	0.7019	100.00
37.5	168,390		0.0000	1.0000	70.19
38.5	168,390		0.0000	1.0000	70.19

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

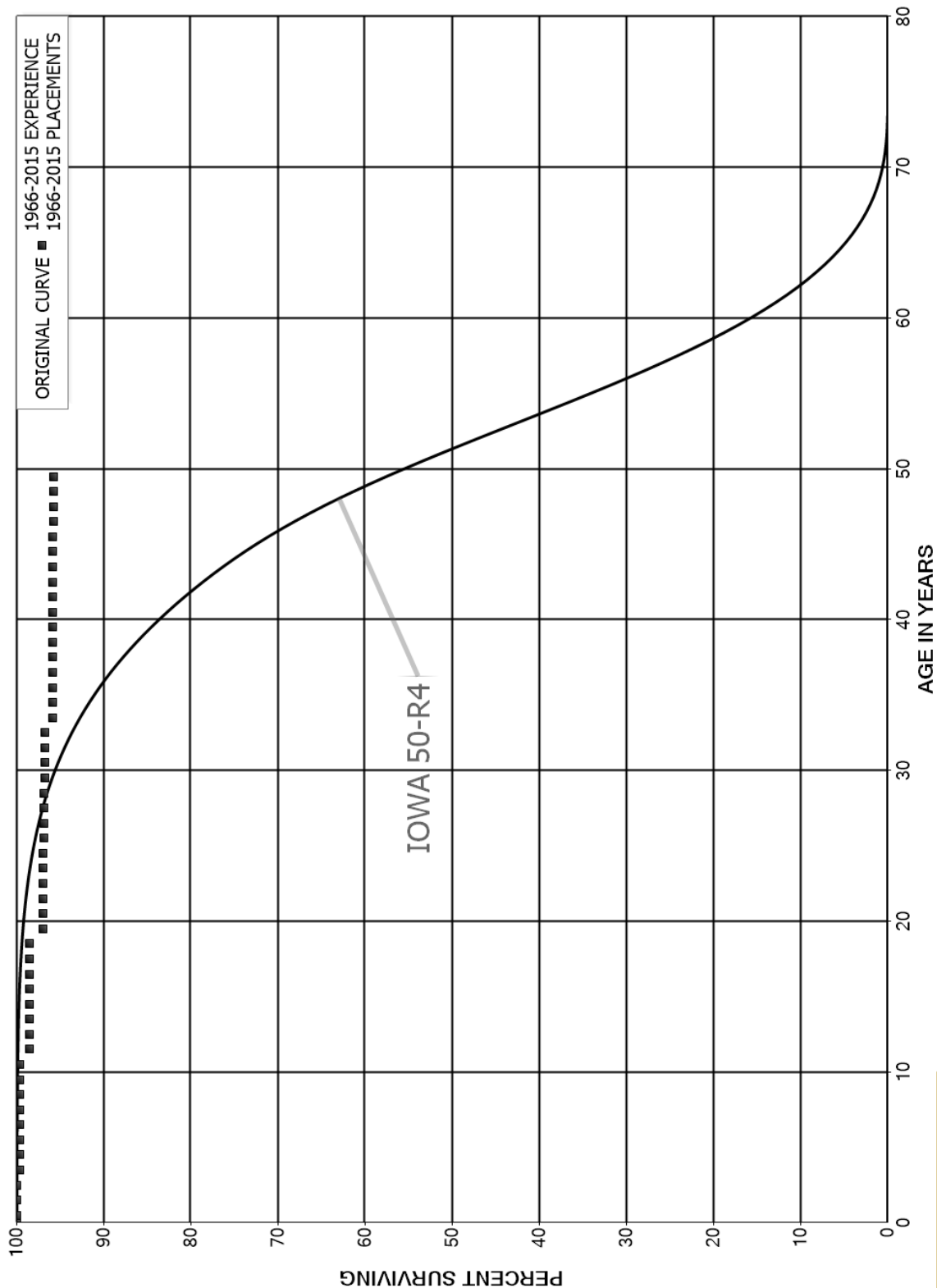
ACCOUNT S09 - STATIC EXCITATION - TRANSFORMERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-1985			EXPERIENCE BAND 1967-2015		
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	168,390		0.0000	1.0000	70.19
40.5	168,390		0.0000	1.0000	70.19
41.5	168,390		0.0000	1.0000	70.19
42.5	168,390		0.0000	1.0000	70.19
43.5	168,390	19,468	0.1156	0.8844	70.19
44.5	148,923	19,468	0.1307	0.8693	62.08
45.5	129,455		0.0000	1.0000	53.96
46.5	129,455		0.0000	1.0000	53.96
47.5	37,221	37,221	1.0000		53.96
48.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S10 - STATION SERVICE
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S10 - STATION SERVICE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	5,341,141		0.0000	1.0000	100.00
0.5	3,777,641		0.0000	1.0000	100.00
1.5	3,749,113		0.0000	1.0000	100.00
2.5	3,721,185	13,370	0.0036	0.9964	100.00
3.5	3,613,933		0.0000	1.0000	99.64
4.5	3,587,621		0.0000	1.0000	99.64
5.5	3,569,367		0.0000	1.0000	99.64
6.5	3,229,864		0.0000	1.0000	99.64
7.5	2,854,538		0.0000	1.0000	99.64
8.5	2,854,538		0.0000	1.0000	99.64
9.5	2,854,538		0.0000	1.0000	99.64
10.5	2,854,538	32,567	0.0114	0.9886	99.64
11.5	2,821,972		0.0000	1.0000	98.50
12.5	2,821,972		0.0000	1.0000	98.50
13.5	2,820,609		0.0000	1.0000	98.50
14.5	2,820,609		0.0000	1.0000	98.50
15.5	2,820,609		0.0000	1.0000	98.50
16.5	2,820,609		0.0000	1.0000	98.50
17.5	2,820,609		0.0000	1.0000	98.50
18.5	2,820,609	45,266	0.0160	0.9840	98.50
19.5	2,692,387		0.0000	1.0000	96.92
20.5	2,671,359		0.0000	1.0000	96.92
21.5	2,629,236		0.0000	1.0000	96.92
22.5	2,626,792		0.0000	1.0000	96.92
23.5	2,625,906	484	0.0002	0.9998	96.92
24.5	2,622,647	2,892	0.0011	0.9989	96.91
25.5	2,594,718		0.0000	1.0000	96.80
26.5	2,496,612		0.0000	1.0000	96.80
27.5	2,427,377		0.0000	1.0000	96.80
28.5	2,424,708	2,402	0.0010	0.9990	96.80
29.5	2,419,450		0.0000	1.0000	96.70
30.5	1,907,004		0.0000	1.0000	96.70
31.5	1,907,004		0.0000	1.0000	96.70
32.5	1,131,562	9,576	0.0085	0.9915	96.70
33.5	1,114,260	695	0.0006	0.9994	95.88
34.5	1,104,479		0.0000	1.0000	95.82
35.5	901,880		0.0000	1.0000	95.82
36.5	719,873		0.0000	1.0000	95.82
37.5	710,886		0.0000	1.0000	95.82
38.5	673,980		0.0000	1.0000	95.82

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

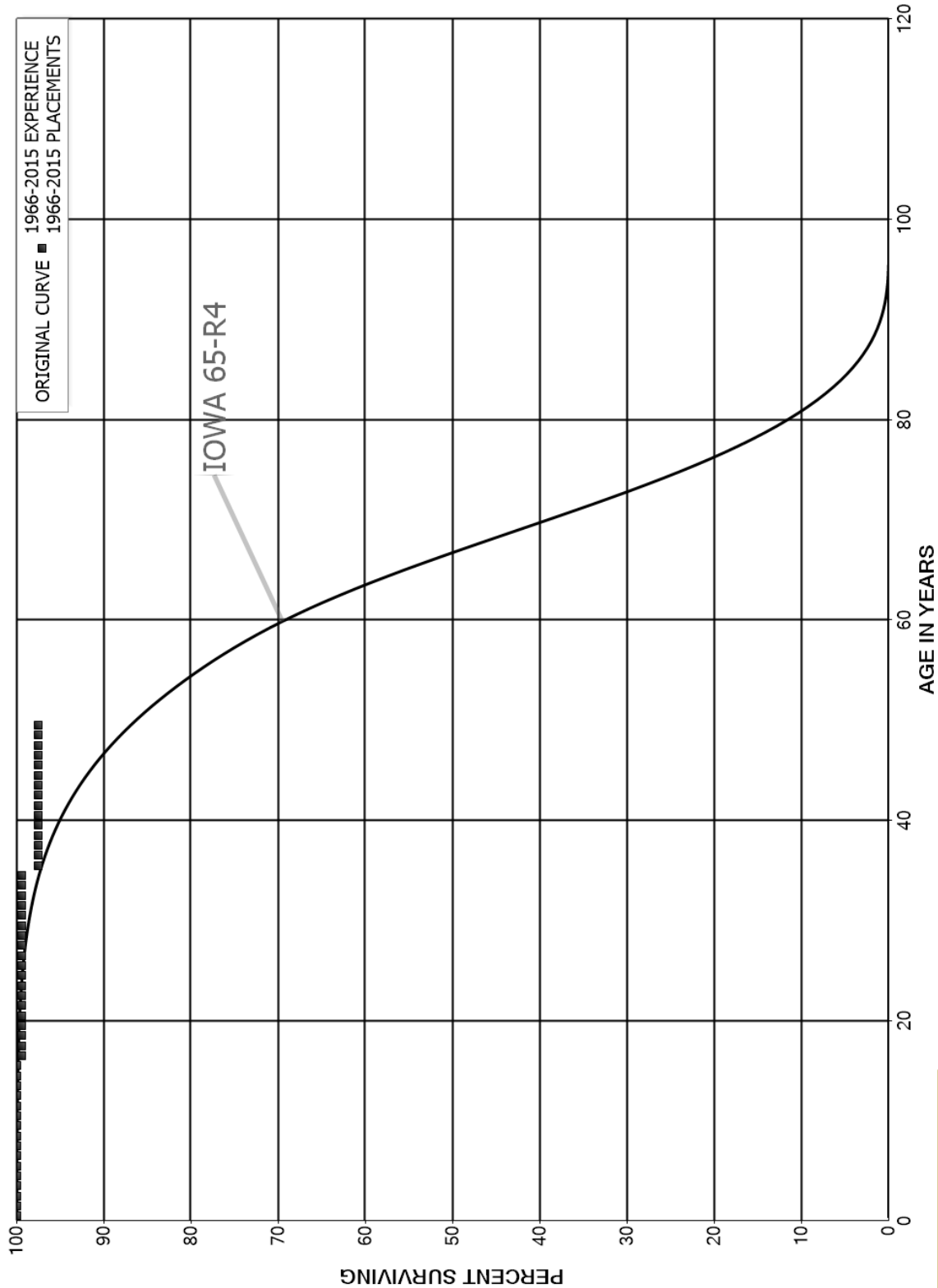
ACCOUNT S10 - STATION SERVICE

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	673,980		0.0000	1.0000	95.82
40.5	672,480		0.0000	1.0000	95.82
41.5	672,030	237	0.0004	0.9996	95.82
42.5	671,793		0.0000	1.0000	95.79
43.5	671,793		0.0000	1.0000	95.79
44.5	519,921		0.0000	1.0000	95.79
45.5	518,898	316	0.0006	0.9994	95.79
46.5	518,582		0.0000	1.0000	95.73
47.5	511,196		0.0000	1.0000	95.73
48.5	491,605		0.0000	1.0000	95.73
49.5					95.73

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S11 - STOP LOGS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S11 - STOP LOGS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	3,146,969		0.0000	1.0000	100.00
0.5	2,853,106		0.0000	1.0000	100.00
1.5	2,853,106		0.0000	1.0000	100.00
2.5	2,853,106		0.0000	1.0000	100.00
3.5	2,853,106		0.0000	1.0000	100.00
4.5	2,853,106		0.0000	1.0000	100.00
5.5	2,853,106		0.0000	1.0000	100.00
6.5	2,853,106		0.0000	1.0000	100.00
7.5	2,645,784		0.0000	1.0000	100.00
8.5	2,645,784		0.0000	1.0000	100.00
9.5	2,645,784		0.0000	1.0000	100.00
10.5	2,645,784		0.0000	1.0000	100.00
11.5	2,645,784		0.0000	1.0000	100.00
12.5	2,510,772		0.0000	1.0000	100.00
13.5	2,510,772		0.0000	1.0000	100.00
14.5	2,510,772		0.0000	1.0000	100.00
15.5	2,510,772	16,397	0.0065	0.9935	100.00
16.5	2,471,527		0.0000	1.0000	99.35
17.5	2,448,776		0.0000	1.0000	99.35
18.5	2,448,776		0.0000	1.0000	99.35
19.5	2,448,776		0.0000	1.0000	99.35
20.5	2,448,776		0.0000	1.0000	99.35
21.5	2,448,776		0.0000	1.0000	99.35
22.5	2,448,776		0.0000	1.0000	99.35
23.5	2,448,776		0.0000	1.0000	99.35
24.5	2,448,776		0.0000	1.0000	99.35
25.5	2,448,776		0.0000	1.0000	99.35
26.5	2,448,776		0.0000	1.0000	99.35
27.5	2,383,388		0.0000	1.0000	99.35
28.5	2,383,388		0.0000	1.0000	99.35
29.5	2,383,388		0.0000	1.0000	99.35
30.5	2,383,388		0.0000	1.0000	99.35
31.5	2,187,620		0.0000	1.0000	99.35
32.5	2,175,246		0.0000	1.0000	99.35
33.5	884,391		0.0000	1.0000	99.35
34.5	884,391	16,475	0.0186	0.9814	99.35
35.5	867,916		0.0000	1.0000	97.50
36.5	305,958		0.0000	1.0000	97.50
37.5	305,958		0.0000	1.0000	97.50
38.5	305,958		0.0000	1.0000	97.50

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

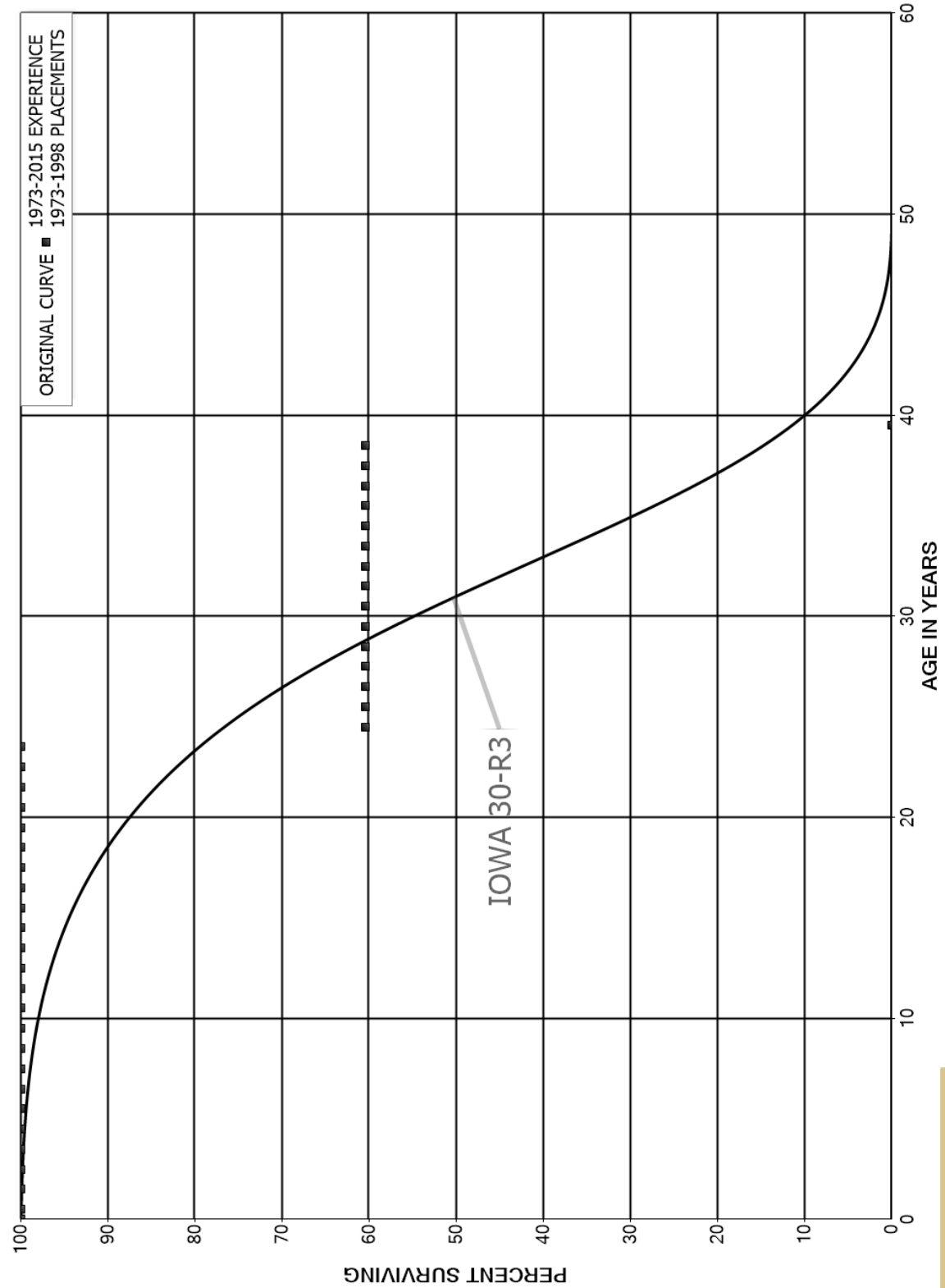
ACCOUNT S11 - STOP LOGS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	305,958		0.0000	1.0000	97.50
40.5	305,958		0.0000	1.0000	97.50
41.5	305,958		0.0000	1.0000	97.50
42.5	305,958		0.0000	1.0000	97.50
43.5	305,958		0.0000	1.0000	97.50
44.5	305,958		0.0000	1.0000	97.50
45.5	285,958		0.0000	1.0000	97.50
46.5	285,958		0.0000	1.0000	97.50
47.5	285,958		0.0000	1.0000	97.50
48.5	137,480		0.0000	1.0000	97.50
49.5					97.50

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S12 - STORAGE PALLETS AND RACKINGS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

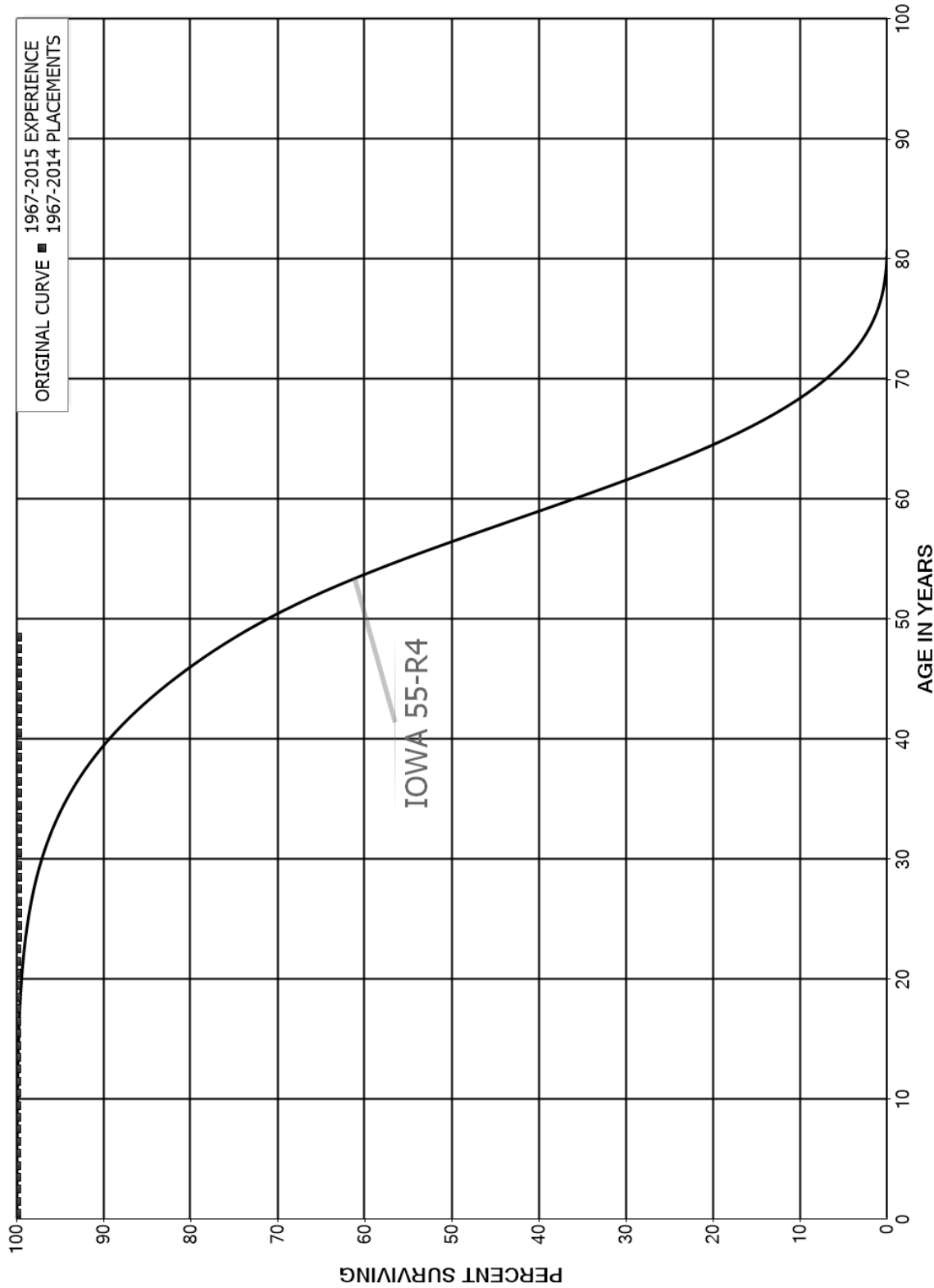
ACCOUNT S12 - STORAGE PALLETS AND RACKINGS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1973-1998			EXPERIENCE BAND 1973-2015		
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	33,439		0.0000	1.0000	100.00
0.5	33,439		0.0000	1.0000	100.00
1.5	33,439		0.0000	1.0000	100.00
2.5	33,439		0.0000	1.0000	100.00
3.5	33,439		0.0000	1.0000	100.00
4.5	33,439		0.0000	1.0000	100.00
5.5	33,439		0.0000	1.0000	100.00
6.5	33,439		0.0000	1.0000	100.00
7.5	33,439		0.0000	1.0000	100.00
8.5	33,439		0.0000	1.0000	100.00
9.5	33,439		0.0000	1.0000	100.00
10.5	33,439		0.0000	1.0000	100.00
11.5	33,439		0.0000	1.0000	100.00
12.5	33,439		0.0000	1.0000	100.00
13.5	33,439		0.0000	1.0000	100.00
14.5	33,439		0.0000	1.0000	100.00
15.5	33,439		0.0000	1.0000	100.00
16.5	33,439		0.0000	1.0000	100.00
17.5	29,742		0.0000	1.0000	100.00
18.5	29,742		0.0000	1.0000	100.00
19.5	29,742		0.0000	1.0000	100.00
20.5	29,742		0.0000	1.0000	100.00
21.5	29,742		0.0000	1.0000	100.00
22.5	29,742		0.0000	1.0000	100.00
23.5	29,742	11,790	0.3964	0.6036	100.00
24.5	17,952		0.0000	1.0000	60.36
25.5	17,952		0.0000	1.0000	60.36
26.5	17,952		0.0000	1.0000	60.36
27.5	17,952		0.0000	1.0000	60.36
28.5	17,952		0.0000	1.0000	60.36
29.5	17,952		0.0000	1.0000	60.36
30.5	17,952		0.0000	1.0000	60.36
31.5	7,245		0.0000	1.0000	60.36
32.5	7,245		0.0000	1.0000	60.36
33.5	7,245		0.0000	1.0000	60.36
34.5	7,245		0.0000	1.0000	60.36
35.5	7,245		0.0000	1.0000	60.36
36.5	7,245		0.0000	1.0000	60.36
37.5	7,245		0.0000	1.0000	60.36
38.5	7,245	7,245	1.0000		60.36
39.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S13 - STORM AND YARD DRAINAGE
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S13 - STORM AND YARD DRAINAGE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2014			EXPERIENCE BAND 1967-2015		
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	1,311,021		0.0000	1.0000	100.00
0.5	1,311,021		0.0000	1.0000	100.00
1.5	1,274,643		0.0000	1.0000	100.00
2.5	1,199,628		0.0000	1.0000	100.00
3.5	1,199,628		0.0000	1.0000	100.00
4.5	1,199,628		0.0000	1.0000	100.00
5.5	1,199,628		0.0000	1.0000	100.00
6.5	1,132,337		0.0000	1.0000	100.00
7.5	1,132,337		0.0000	1.0000	100.00
8.5	1,132,337		0.0000	1.0000	100.00
9.5	1,132,337		0.0000	1.0000	100.00
10.5	1,132,337		0.0000	1.0000	100.00
11.5	1,132,337		0.0000	1.0000	100.00
12.5	1,132,337		0.0000	1.0000	100.00
13.5	1,132,337		0.0000	1.0000	100.00
14.5	1,132,337		0.0000	1.0000	100.00
15.5	1,132,337		0.0000	1.0000	100.00
16.5	1,132,337		0.0000	1.0000	100.00
17.5	1,132,337		0.0000	1.0000	100.00
18.5	1,132,337		0.0000	1.0000	100.00
19.5	1,132,337		0.0000	1.0000	100.00
20.5	1,100,589		0.0000	1.0000	100.00
21.5	1,100,589		0.0000	1.0000	100.00
22.5	1,100,589	2,307	0.0021	0.9979	100.00
23.5	1,058,425		0.0000	1.0000	99.79
24.5	1,028,005		0.0000	1.0000	99.79
25.5	991,410		0.0000	1.0000	99.79
26.5	988,122		0.0000	1.0000	99.79
27.5	987,158		0.0000	1.0000	99.79
28.5	981,498		0.0000	1.0000	99.79
29.5	981,498		0.0000	1.0000	99.79
30.5	607,268		0.0000	1.0000	99.79
31.5	607,268		0.0000	1.0000	99.79
32.5	369,288		0.0000	1.0000	99.79
33.5	369,288		0.0000	1.0000	99.79
34.5	369,288		0.0000	1.0000	99.79
35.5	108,814		0.0000	1.0000	99.79
36.5	108,814		0.0000	1.0000	99.79
37.5	108,814		0.0000	1.0000	99.79
38.5	108,814		0.0000	1.0000	99.79

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

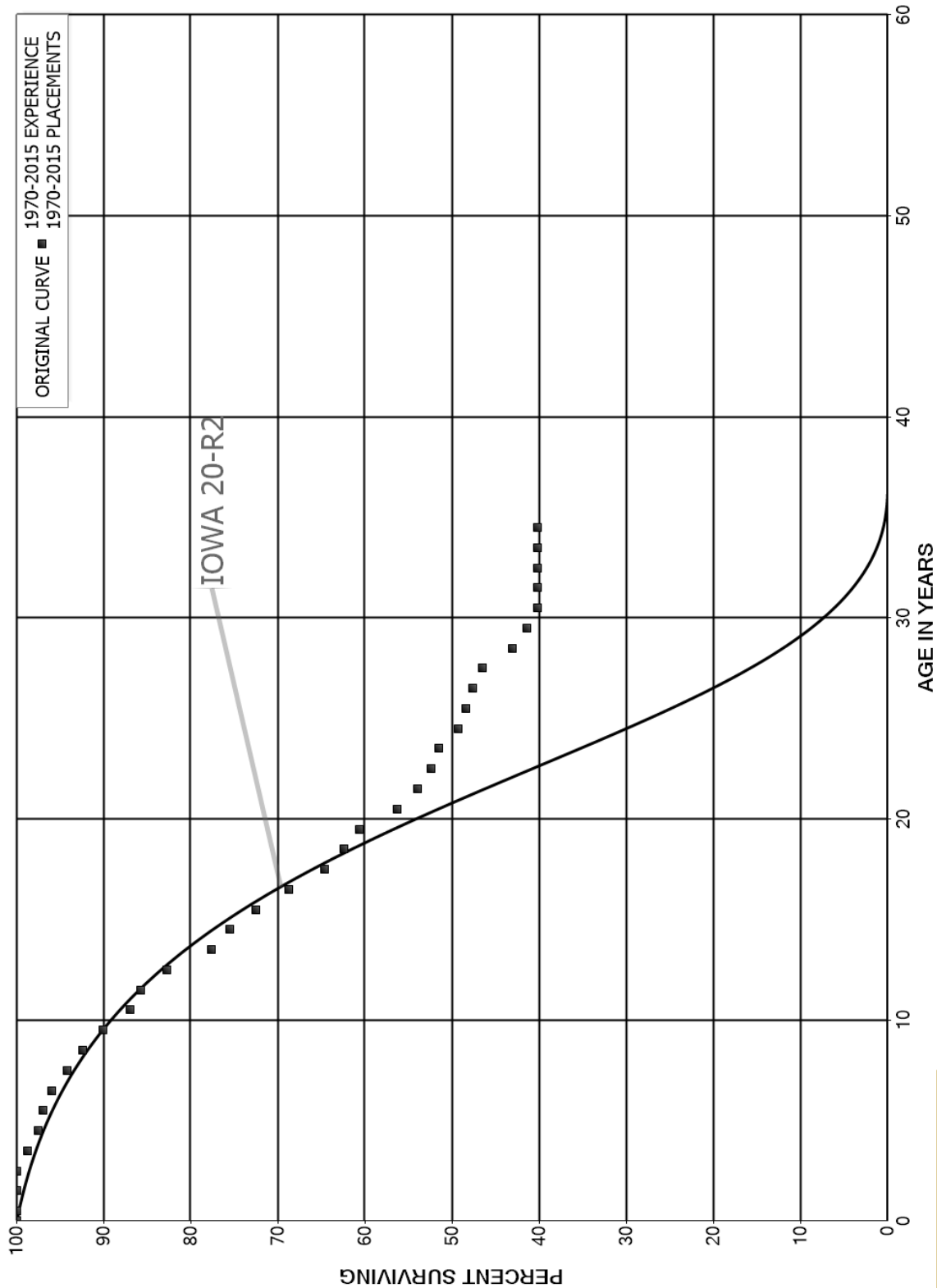
ACCOUNT S13 - STORM AND YARD DRAINAGE

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2014			EXPERIENCE BAND 1967-2015		
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	108,814		0.0000	1.0000	99.79
40.5	108,814		0.0000	1.0000	99.79
41.5	108,814		0.0000	1.0000	99.79
42.5	108,814		0.0000	1.0000	99.79
43.5	108,814		0.0000	1.0000	99.79
44.5	108,814		0.0000	1.0000	99.79
45.5	108,814		0.0000	1.0000	99.79
46.5	3,047		0.0000	1.0000	99.79
47.5	3,047		0.0000	1.0000	99.79
48.5					99.79

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S14 - STREET LIGHTS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

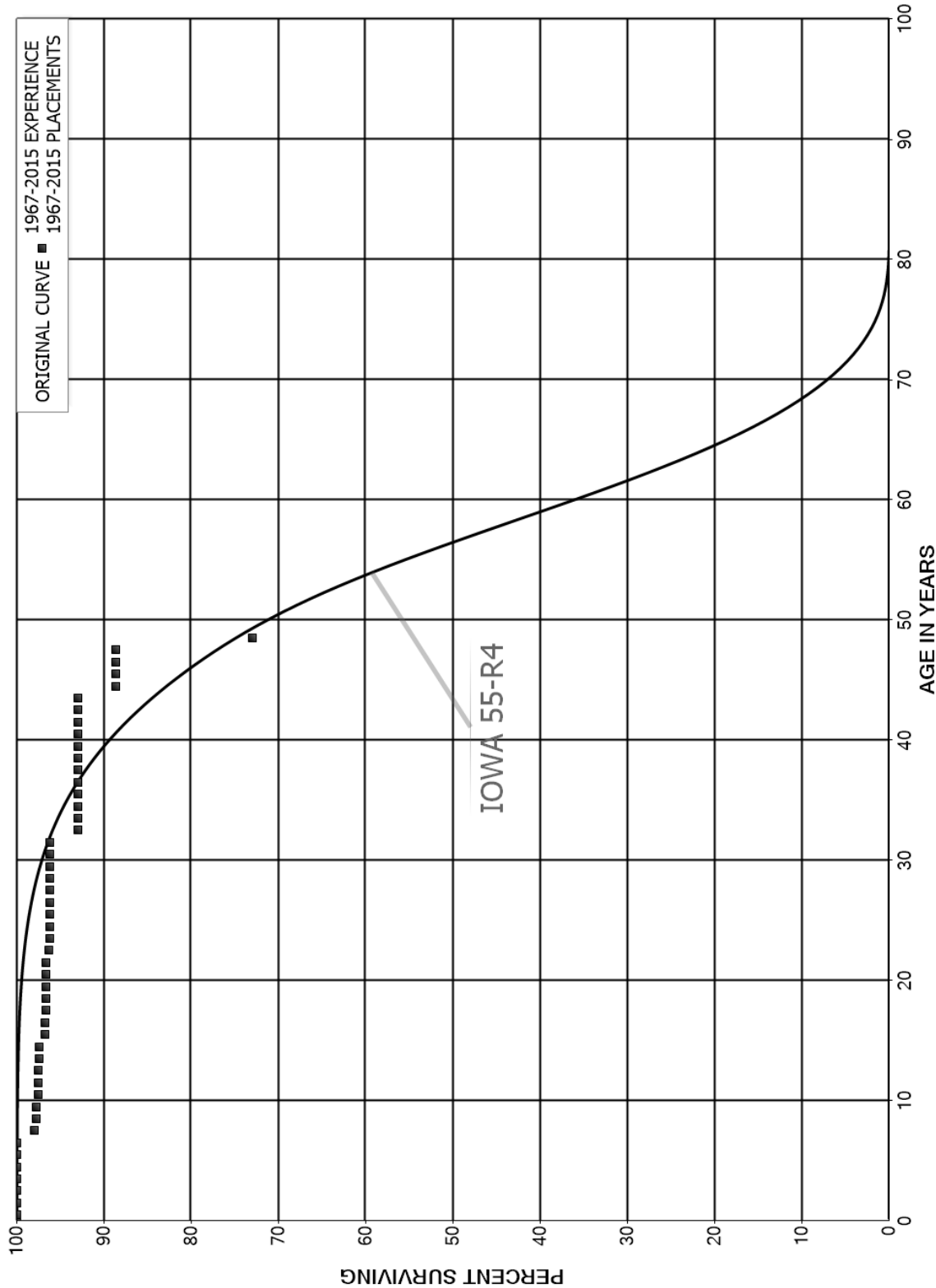
ACCOUNT S14 - STREET LIGHTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1970-2015			EXPERIENCE BAND 1970-2015		
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	4,790,929		0.0000	1.0000	100.00
0.5	4,505,158	911	0.0002	0.9998	100.00
1.5	4,310,573	3,122	0.0007	0.9993	99.98
2.5	4,017,528	48,174	0.0120	0.9880	99.91
3.5	3,781,275	44,305	0.0117	0.9883	98.71
4.5	3,463,905	21,013	0.0061	0.9939	97.55
5.5	3,252,992	34,922	0.0107	0.9893	96.96
6.5	2,986,806	55,916	0.0187	0.9813	95.92
7.5	2,712,883	50,181	0.0185	0.9815	94.12
8.5	2,493,576	61,414	0.0246	0.9754	92.38
9.5	2,236,371	78,382	0.0350	0.9650	90.11
10.5	1,985,921	27,513	0.0139	0.9861	86.95
11.5	1,761,238	62,823	0.0357	0.9643	85.75
12.5	1,515,266	92,607	0.0611	0.9389	82.69
13.5	1,309,392	36,720	0.0280	0.9720	77.63
14.5	1,143,152	44,150	0.0386	0.9614	75.46
15.5	996,794	51,929	0.0521	0.9479	72.54
16.5	865,991	52,125	0.0602	0.9398	68.76
17.5	734,874	25,057	0.0341	0.9659	64.62
18.5	549,678	15,726	0.0286	0.9714	62.42
19.5	490,774	34,789	0.0709	0.9291	60.63
20.5	435,479	18,446	0.0424	0.9576	56.34
21.5	381,184	10,866	0.0285	0.9715	53.95
22.5	333,063	6,064	0.0182	0.9818	52.41
23.5	293,605	12,659	0.0431	0.9569	51.46
24.5	265,247	4,394	0.0166	0.9834	49.24
25.5	196,675	3,062	0.0156	0.9844	48.42
26.5	153,525	3,757	0.0245	0.9755	47.67
27.5	120,007	8,967	0.0747	0.9253	46.50
28.5	95,102	3,573	0.0376	0.9624	43.03
29.5	81,271	2,376	0.0292	0.9708	41.41
30.5	78,895		0.0000	1.0000	40.20
31.5	64,024		0.0000	1.0000	40.20
32.5	62,054		0.0000	1.0000	40.20
33.5	54,256		0.0000	1.0000	40.20
34.5					40.20

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S15 - STRUCTURAL SUPPORTS (WOOD OR STEEL)
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S15 - STRUCTURAL SUPPORTS (WOOD OR STEEL)

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	12,277,223		0.0000	1.0000	100.00
0.5	12,179,460		0.0000	1.0000	100.00
1.5	11,871,197		0.0000	1.0000	100.00
2.5	11,871,197		0.0000	1.0000	100.00
3.5	10,317,542		0.0000	1.0000	100.00
4.5	10,288,677		0.0000	1.0000	100.00
5.5	10,062,423		0.0000	1.0000	100.00
6.5	9,992,435	207,829	0.0208	0.9792	100.00
7.5	9,751,260	21,304	0.0022	0.9978	97.92
8.5	9,297,859		0.0000	1.0000	97.71
9.5	9,278,982	24,028	0.0026	0.9974	97.71
10.5	9,236,985		0.0000	1.0000	97.45
11.5	9,222,195		0.0000	1.0000	97.45
12.5	9,036,221	1,793	0.0002	0.9998	97.45
13.5	8,939,304	5,431	0.0006	0.9994	97.43
14.5	8,882,032	63,993	0.0072	0.9928	97.37
15.5	8,513,296		0.0000	1.0000	96.67
16.5	8,493,894	502	0.0001	0.9999	96.67
17.5	8,296,190		0.0000	1.0000	96.67
18.5	8,240,559		0.0000	1.0000	96.67
19.5	7,961,861	500	0.0001	0.9999	96.67
20.5	7,350,657		0.0000	1.0000	96.66
21.5	7,182,086	26,788	0.0037	0.9963	96.66
22.5	7,100,924	5,780	0.0008	0.9992	96.30
23.5	6,483,604	3,186	0.0005	0.9995	96.22
24.5	6,059,754		0.0000	1.0000	96.18
25.5	5,163,851		0.0000	1.0000	96.18
26.5	4,771,442		0.0000	1.0000	96.18
27.5	4,692,431		0.0000	1.0000	96.18
28.5	4,383,596		0.0000	1.0000	96.18
29.5	4,307,874		0.0000	1.0000	96.18
30.5	4,296,130		0.0000	1.0000	96.18
31.5	4,281,964	140,974	0.0329	0.9671	96.18
32.5	3,825,207	2,126	0.0006	0.9994	93.01
33.5	3,148,194	274	0.0001	0.9999	92.96
34.5	2,886,049		0.0000	1.0000	92.95
35.5	2,632,494		0.0000	1.0000	92.95
36.5	2,266,710		0.0000	1.0000	92.95
37.5	1,426,301		0.0000	1.0000	92.95
38.5	1,272,759		0.0000	1.0000	92.95

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

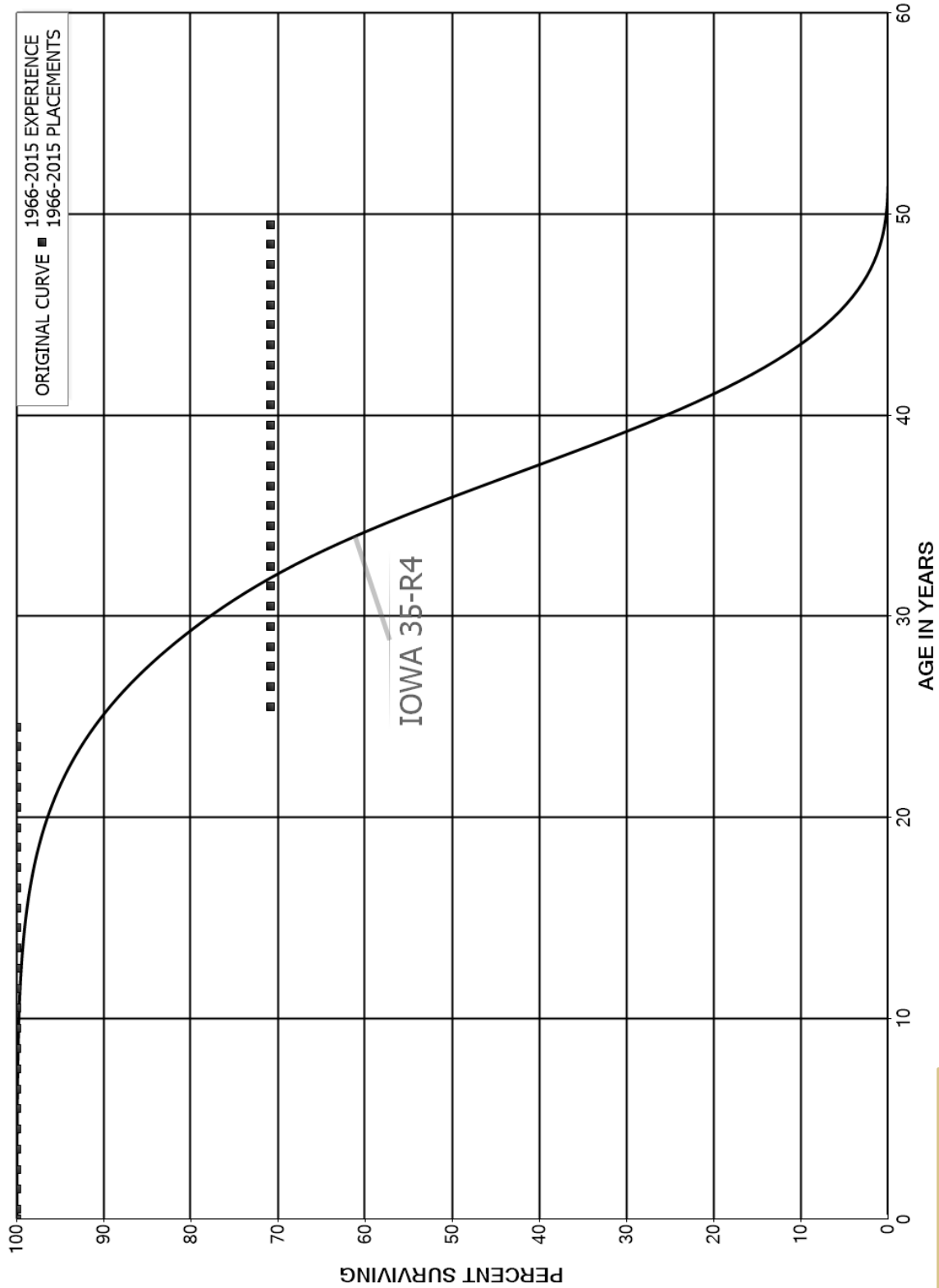
ACCOUNT S15 - STRUCTURAL SUPPORTS (WOOD OR STEEL)

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	1,186,025		0.0000	1.0000	92.95
40.5	1,096,654		0.0000	1.0000	92.95
41.5	1,055,841		0.0000	1.0000	92.95
42.5	1,055,841		0.0000	1.0000	92.95
43.5	1,055,841	49,499	0.0469	0.9531	92.95
44.5	1,002,463		0.0000	1.0000	88.59
45.5	377,439		0.0000	1.0000	88.59
46.5	377,439		0.0000	1.0000	88.59
47.5	259,173	45,607	0.1760	0.8240	88.59
48.5					73.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S17 - SUMP SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S17 - SUMP SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	725,064		0.0000	1.0000	100.00
0.5	296,458		0.0000	1.0000	100.00
1.5	296,458		0.0000	1.0000	100.00
2.5	296,458		0.0000	1.0000	100.00
3.5	296,458		0.0000	1.0000	100.00
4.5	296,458		0.0000	1.0000	100.00
5.5	296,458		0.0000	1.0000	100.00
6.5	220,838		0.0000	1.0000	100.00
7.5	220,838		0.0000	1.0000	100.00
8.5	220,838		0.0000	1.0000	100.00
9.5	220,838		0.0000	1.0000	100.00
10.5	220,838		0.0000	1.0000	100.00
11.5	220,838		0.0000	1.0000	100.00
12.5	220,838		0.0000	1.0000	100.00
13.5	220,838		0.0000	1.0000	100.00
14.5	220,838		0.0000	1.0000	100.00
15.5	220,838		0.0000	1.0000	100.00
16.5	197,983		0.0000	1.0000	100.00
17.5	197,983		0.0000	1.0000	100.00
18.5	197,983		0.0000	1.0000	100.00
19.5	197,983		0.0000	1.0000	100.00
20.5	197,983		0.0000	1.0000	100.00
21.5	197,983		0.0000	1.0000	100.00
22.5	197,983		0.0000	1.0000	100.00
23.5	197,983		0.0000	1.0000	100.00
24.5	197,983	57,819	0.2920	0.7080	100.00
25.5	140,164		0.0000	1.0000	70.80
26.5	140,164		0.0000	1.0000	70.80
27.5	118,404		0.0000	1.0000	70.80
28.5	118,404		0.0000	1.0000	70.80
29.5	118,404		0.0000	1.0000	70.80
30.5	116,978		0.0000	1.0000	70.80
31.5	116,978		0.0000	1.0000	70.80
32.5	116,978		0.0000	1.0000	70.80
33.5	116,978		0.0000	1.0000	70.80
34.5	116,978		0.0000	1.0000	70.80
35.5	116,978		0.0000	1.0000	70.80
36.5	62,921		0.0000	1.0000	70.80
37.5	62,921		0.0000	1.0000	70.80
38.5	62,921		0.0000	1.0000	70.80

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

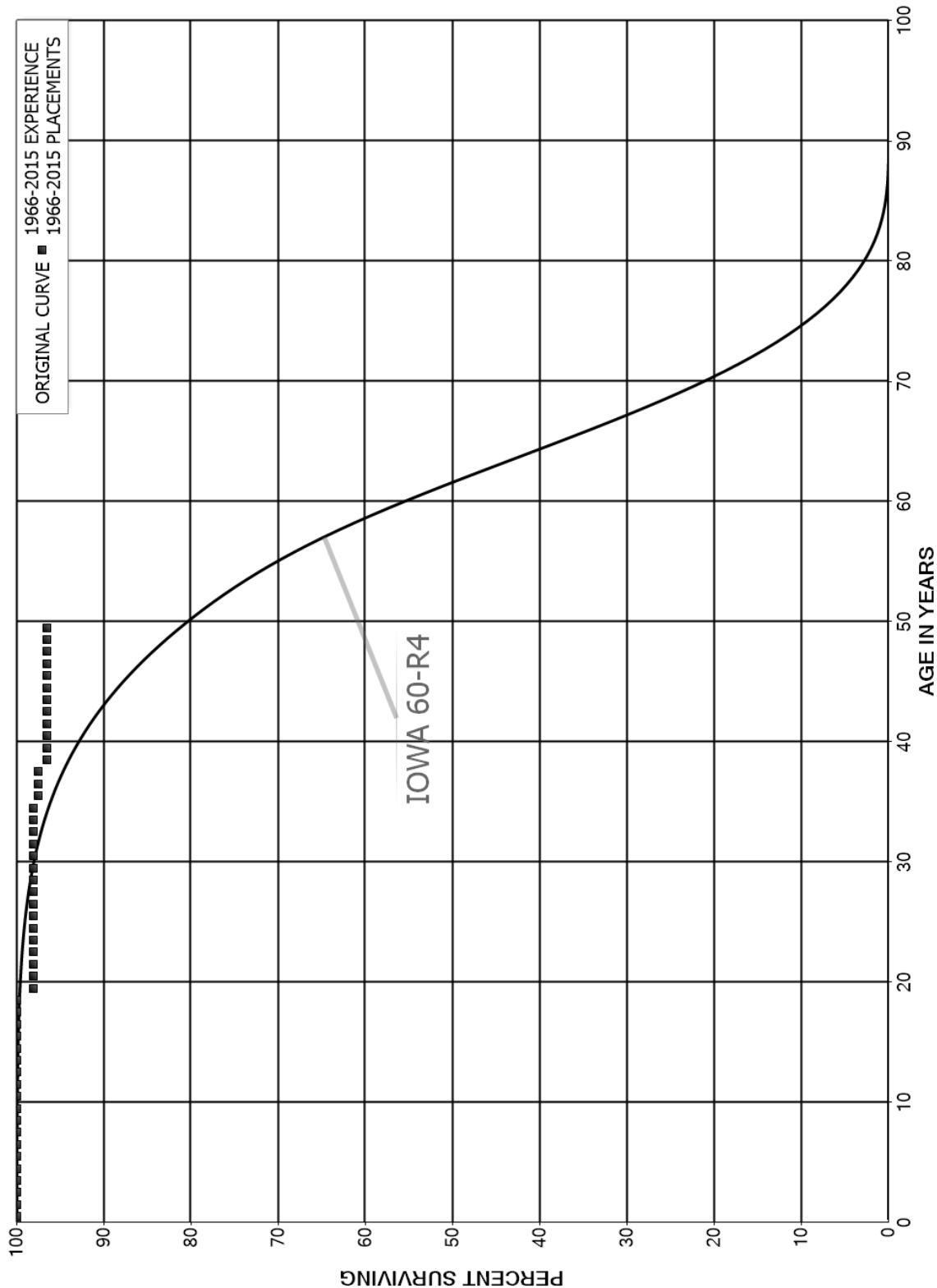
ACCOUNT S17 - SUMP SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	62,921		0.0000	1.0000	70.80
40.5	62,921		0.0000	1.0000	70.80
41.5	62,921		0.0000	1.0000	70.80
42.5	62,921		0.0000	1.0000	70.80
43.5	62,921		0.0000	1.0000	70.80
44.5	62,921		0.0000	1.0000	70.80
45.5	62,921		0.0000	1.0000	70.80
46.5	62,921		0.0000	1.0000	70.80
47.5	62,921		0.0000	1.0000	70.80
48.5	62,921		0.0000	1.0000	70.80
49.5					70.80

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S18 - SURGE SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S18 - SURGE SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	7,113,998		0.0000	1.0000	100.00
0.5	5,851,323		0.0000	1.0000	100.00
1.5	4,354,373		0.0000	1.0000	100.00
2.5	4,354,373		0.0000	1.0000	100.00
3.5	4,354,373		0.0000	1.0000	100.00
4.5	4,354,373		0.0000	1.0000	100.00
5.5	4,354,373		0.0000	1.0000	100.00
6.5	4,354,373		0.0000	1.0000	100.00
7.5	4,354,373		0.0000	1.0000	100.00
8.5	4,354,373		0.0000	1.0000	100.00
9.5	4,354,373		0.0000	1.0000	100.00
10.5	4,354,373		0.0000	1.0000	100.00
11.5	4,354,373		0.0000	1.0000	100.00
12.5	4,354,373		0.0000	1.0000	100.00
13.5	4,054,722		0.0000	1.0000	100.00
14.5	4,054,722		0.0000	1.0000	100.00
15.5	4,054,722		0.0000	1.0000	100.00
16.5	4,054,722		0.0000	1.0000	100.00
17.5	4,054,722		0.0000	1.0000	100.00
18.5	4,054,722	79,504	0.0196	0.9804	100.00
19.5	3,975,218		0.0000	1.0000	98.04
20.5	3,975,218		0.0000	1.0000	98.04
21.5	3,975,218		0.0000	1.0000	98.04
22.5	3,975,218		0.0000	1.0000	98.04
23.5	3,975,218		0.0000	1.0000	98.04
24.5	3,975,218		0.0000	1.0000	98.04
25.5	3,975,218		0.0000	1.0000	98.04
26.5	3,975,218		0.0000	1.0000	98.04
27.5	3,975,218		0.0000	1.0000	98.04
28.5	3,975,218		0.0000	1.0000	98.04
29.5	3,975,218		0.0000	1.0000	98.04
30.5	3,975,218		0.0000	1.0000	98.04
31.5	3,975,218		0.0000	1.0000	98.04
32.5	3,975,218		0.0000	1.0000	98.04
33.5	3,975,218		0.0000	1.0000	98.04
34.5	3,975,218	20,116	0.0051	0.9949	98.04
35.5	3,955,102		0.0000	1.0000	97.54
36.5	3,955,102		0.0000	1.0000	97.54
37.5	3,955,102	40,232	0.0102	0.9898	97.54
38.5	3,914,870		0.0000	1.0000	96.55

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

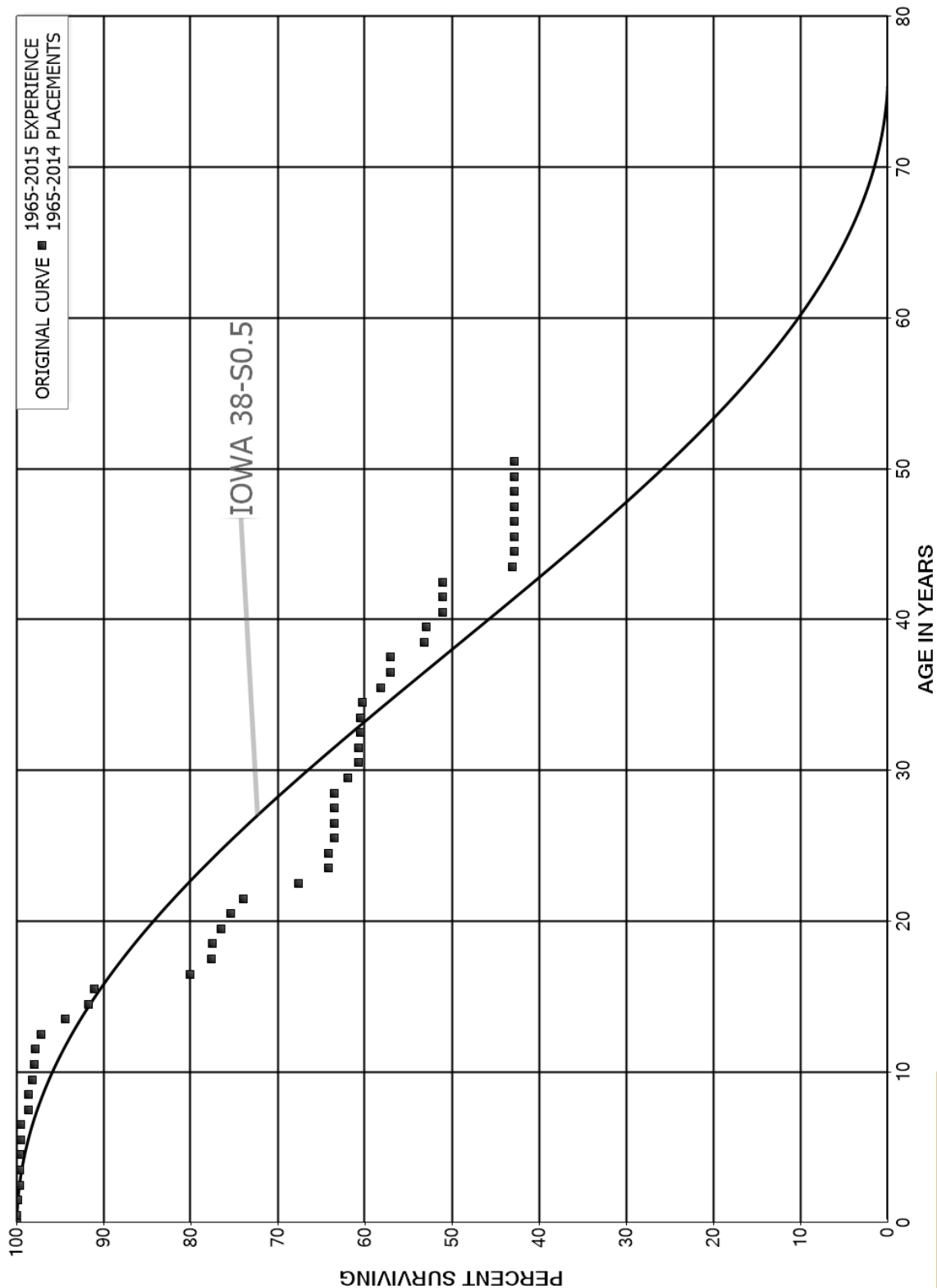
ACCOUNT S18 - SURGE SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1966-2015		
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	3,914,870		0.0000	1.0000	96.55
40.5	3,914,870		0.0000	1.0000	96.55
41.5	3,914,870		0.0000	1.0000	96.55
42.5	3,914,870		0.0000	1.0000	96.55
43.5	3,914,870		0.0000	1.0000	96.55
44.5	3,914,870		0.0000	1.0000	96.55
45.5	3,914,870		0.0000	1.0000	96.55
46.5	3,914,870		0.0000	1.0000	96.55
47.5	3,914,870	193	0.0000	1.0000	96.55
48.5	1,579,908	1,063	0.0007	0.9993	96.55
49.5					96.48

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S19 - STATION SWITCHING
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S19 - STATION SWITCHING

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2014			EXPERIENCE BAND 1965-2015		
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	14,987,536		0.0000	1.0000	100.00
0.5	14,987,536	30,076	0.0020	0.9980	100.00
1.5	13,544,458	30,286	0.0022	0.9978	99.80
2.5	13,389,022		0.0000	1.0000	99.58
3.5	13,328,869		0.0000	1.0000	99.58
4.5	12,879,443	11,835	0.0009	0.9991	99.58
5.5	12,867,607	3,666	0.0003	0.9997	99.48
6.5	12,863,942	112,047	0.0087	0.9913	99.46
7.5	11,847,988		0.0000	1.0000	98.59
8.5	11,460,837	45,998	0.0040	0.9960	98.59
9.5	11,271,119	28,935	0.0026	0.9974	98.19
10.5	10,988,593	10,235	0.0009	0.9991	97.94
11.5	10,969,670	73,083	0.0067	0.9933	97.85
12.5	10,295,143	296,280	0.0288	0.9712	97.20
13.5	9,183,387	260,263	0.0283	0.9717	94.40
14.5	8,056,983	58,587	0.0073	0.9927	91.73
15.5	7,587,324	915,270	0.1206	0.8794	91.06
16.5	6,641,282	203,143	0.0306	0.9694	80.07
17.5	6,213,224	13,631	0.0022	0.9978	77.63
18.5	5,699,538	71,055	0.0125	0.9875	77.46
19.5	5,482,134	75,203	0.0137	0.9863	76.49
20.5	5,372,925	108,818	0.0203	0.9797	75.44
21.5	4,954,681	421,338	0.0850	0.9150	73.91
22.5	4,533,343	232,664	0.0513	0.9487	67.63
23.5	4,054,060		0.0000	1.0000	64.16
24.5	3,987,759	43,462	0.0109	0.9891	64.16
25.5	3,879,906		0.0000	1.0000	63.46
26.5	3,754,538		0.0000	1.0000	63.46
27.5	3,730,230		0.0000	1.0000	63.46
28.5	3,679,692	85,425	0.0232	0.9768	63.46
29.5	3,559,218	70,855	0.0199	0.9801	61.98
30.5	1,027,242		0.0000	1.0000	60.75
31.5	918,837	4,141	0.0045	0.9955	60.75
32.5	914,696		0.0000	1.0000	60.48
33.5	791,491	1,920	0.0024	0.9976	60.48
34.5	724,263	25,334	0.0350	0.9650	60.33
35.5	442,403	9,003	0.0204	0.9796	58.22
36.5	433,400		0.0000	1.0000	57.03
37.5	433,400	29,596	0.0683	0.9317	57.03
38.5	403,804	1,054	0.0026	0.9974	53.14

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

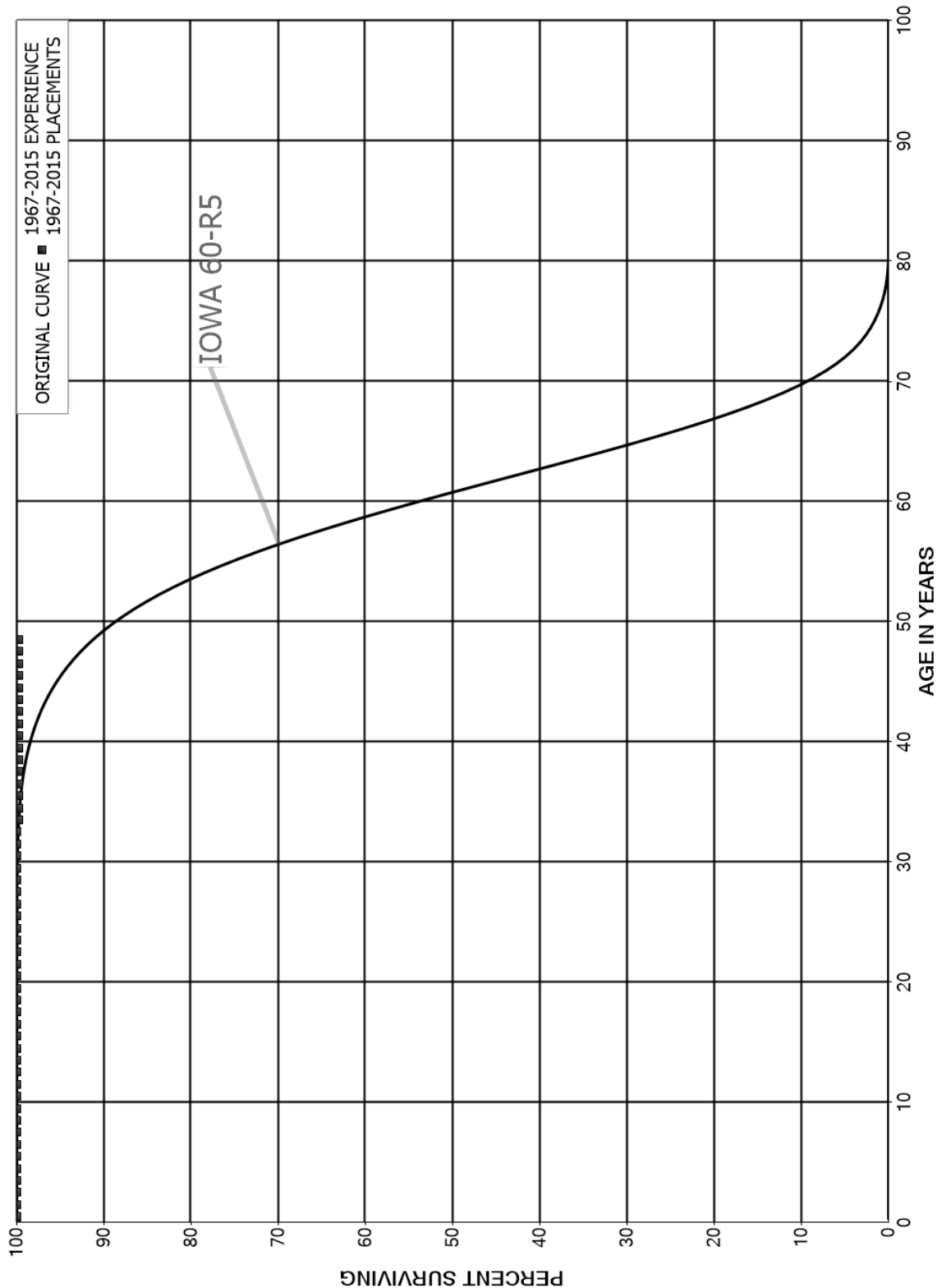
ACCOUNT S19 - STATION SWITCHING

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2014			EXPERIENCE BAND 1965-2015		
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	402,750	14,301	0.0355	0.9645	53.00
40.5	388,449		0.0000	1.0000	51.12
41.5	388,449		0.0000	1.0000	51.12
42.5	308,438	48,663	0.1578	0.8422	51.12
43.5	259,776	1,335	0.0051	0.9949	43.05
44.5	258,441		0.0000	1.0000	42.83
45.5	257,441		0.0000	1.0000	42.83
46.5	257,441		0.0000	1.0000	42.83
47.5	95,999		0.0000	1.0000	42.83
48.5	95,999		0.0000	1.0000	42.83
49.5	95,999		0.0000	1.0000	42.83
50.5					42.83

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT S20 - SWITCHING SYSTEMS - L.V.
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S20 - SWITCHING SYSTEMS - L.V.

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	2,306,330		0.0000	1.0000	100.00
0.5	1,960,879		0.0000	1.0000	100.00
1.5	1,811,180		0.0000	1.0000	100.00
2.5	1,811,180		0.0000	1.0000	100.00
3.5	1,809,042		0.0000	1.0000	100.00
4.5	1,809,042		0.0000	1.0000	100.00
5.5	1,809,042		0.0000	1.0000	100.00
6.5	1,809,042		0.0000	1.0000	100.00
7.5	1,809,042		0.0000	1.0000	100.00
8.5	1,809,042		0.0000	1.0000	100.00
9.5	1,809,042		0.0000	1.0000	100.00
10.5	1,809,042		0.0000	1.0000	100.00
11.5	1,809,042		0.0000	1.0000	100.00
12.5	1,809,042		0.0000	1.0000	100.00
13.5	1,809,042		0.0000	1.0000	100.00
14.5	1,809,042		0.0000	1.0000	100.00
15.5	1,809,042		0.0000	1.0000	100.00
16.5	1,809,042		0.0000	1.0000	100.00
17.5	1,809,042		0.0000	1.0000	100.00
18.5	1,809,042		0.0000	1.0000	100.00
19.5	1,809,042		0.0000	1.0000	100.00
20.5	1,809,042		0.0000	1.0000	100.00
21.5	1,809,042		0.0000	1.0000	100.00
22.5	1,809,042		0.0000	1.0000	100.00
23.5	1,809,042		0.0000	1.0000	100.00
24.5	1,809,042		0.0000	1.0000	100.00
25.5	1,809,042		0.0000	1.0000	100.00
26.5	1,795,661		0.0000	1.0000	100.00
27.5	1,795,661		0.0000	1.0000	100.00
28.5	1,795,661		0.0000	1.0000	100.00
29.5	1,795,661		0.0000	1.0000	100.00
30.5	765,324		0.0000	1.0000	100.00
31.5	765,324		0.0000	1.0000	100.00
32.5	707,369	1,722	0.0024	0.9976	100.00
33.5	364,335		0.0000	1.0000	99.76
34.5	364,335		0.0000	1.0000	99.76
35.5	71,442		0.0000	1.0000	99.76
36.5	71,442		0.0000	1.0000	99.76
37.5	28,493		0.0000	1.0000	99.76
38.5	28,493		0.0000	1.0000	99.76

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

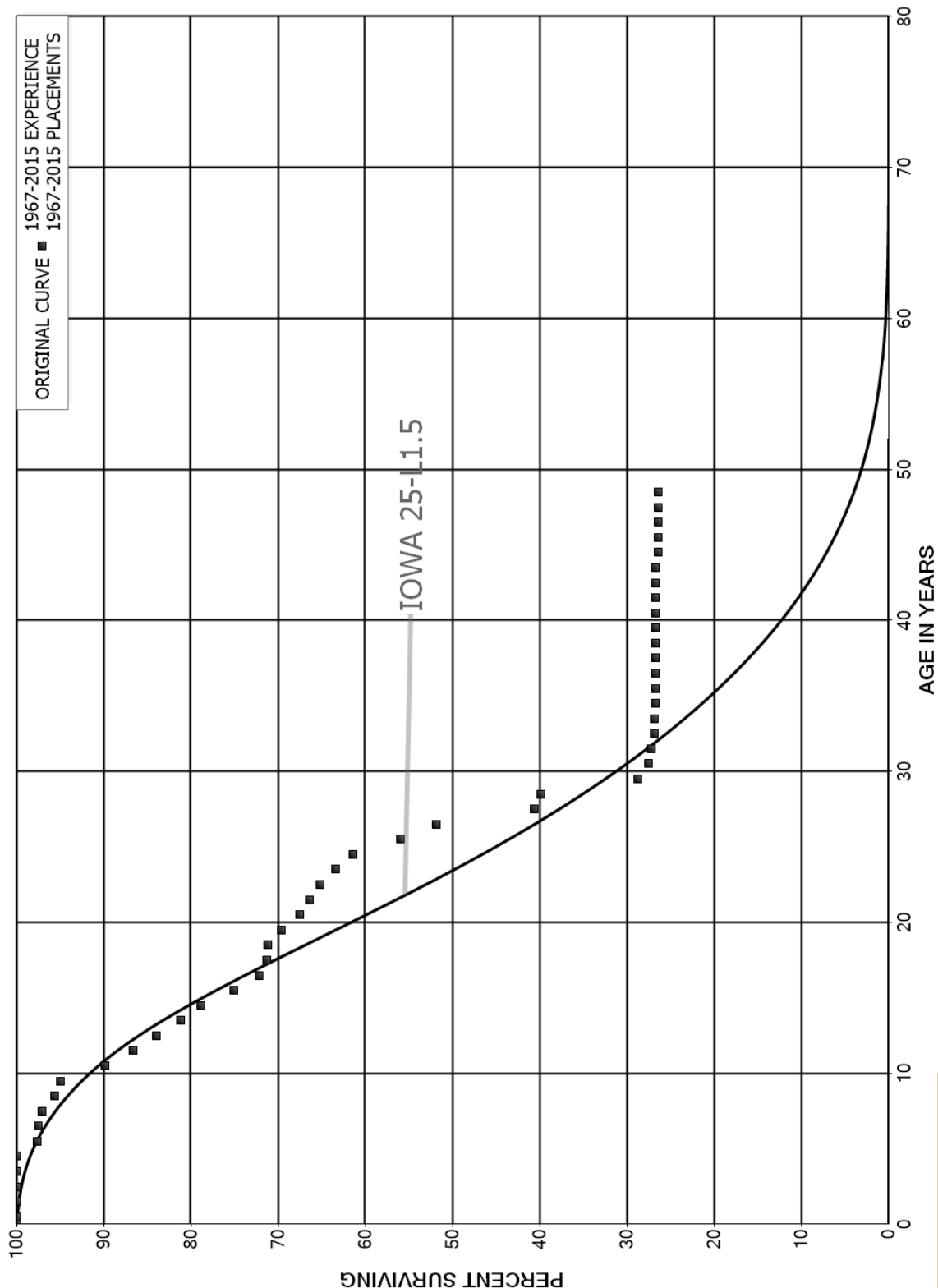
ACCOUNT S20 - SWITCHING SYSTEMS - L.V.

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	28,493		0.0000	1.0000	99.76
40.5	28,493		0.0000	1.0000	99.76
41.5	28,493		0.0000	1.0000	99.76
42.5	28,493		0.0000	1.0000	99.76
43.5	28,493		0.0000	1.0000	99.76
44.5	28,493		0.0000	1.0000	99.76
45.5	23,423		0.0000	1.0000	99.76
46.5	11,423		0.0000	1.0000	99.76
47.5	11,423		0.0000	1.0000	99.76
48.5					99.76

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT T01 - TELECONTROL SYSTEM
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T01 - TELECONTROL SYSTEM

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	19,199,483		0.0000	1.0000	100.00
0.5	18,510,064		0.0000	1.0000	100.00
1.5	18,310,634	1,631	0.0001	0.9999	100.00
2.5	18,000,446	11,656	0.0006	0.9994	99.99
3.5	17,202,985		0.0000	1.0000	99.93
4.5	15,075,735	352,364	0.0234	0.9766	99.93
5.5	13,947,912	4,840	0.0003	0.9997	97.59
6.5	13,789,637	66,036	0.0048	0.9952	97.56
7.5	13,042,480	194,359	0.0149	0.9851	97.09
8.5	12,692,265	88,720	0.0070	0.9930	95.64
9.5	12,486,781	673,815	0.0540	0.9460	94.97
10.5	11,743,989	420,613	0.0358	0.9642	89.85
11.5	11,138,133	348,807	0.0313	0.9687	86.63
12.5	9,517,145	315,280	0.0331	0.9669	83.92
13.5	8,914,288	249,255	0.0280	0.9720	81.14
14.5	8,035,109	391,488	0.0487	0.9513	78.87
15.5	7,410,979	287,039	0.0387	0.9613	75.03
16.5	6,465,242	70,023	0.0108	0.9892	72.12
17.5	6,274,301	10,860	0.0017	0.9983	71.34
18.5	6,033,283	136,290	0.0226	0.9774	71.22
19.5	5,746,169	174,088	0.0303	0.9697	69.61
20.5	5,232,026	86,805	0.0166	0.9834	67.50
21.5	5,145,221	91,571	0.0178	0.9822	66.38
22.5	5,044,135	135,495	0.0269	0.9731	65.20
23.5	4,698,390	152,797	0.0325	0.9675	63.45
24.5	4,536,500	401,226	0.0884	0.9116	61.38
25.5	4,067,439	297,921	0.0732	0.9268	55.95
26.5	3,744,346	815,621	0.2178	0.7822	51.86
27.5	2,916,250	52,918	0.0181	0.9819	40.56
28.5	2,830,872	790,317	0.2792	0.7208	39.82
29.5	2,040,555	85,767	0.0420	0.9580	28.71
30.5	1,829,540	18,823	0.0103	0.9897	27.50
31.5	1,797,594	22,110	0.0123	0.9877	27.22
32.5	1,775,483	4,829	0.0027	0.9973	26.88
33.5	1,745,127	8,730	0.0050	0.9950	26.81
34.5	1,736,397		0.0000	1.0000	26.67
35.5	1,057,081		0.0000	1.0000	26.67
36.5	1,057,081		0.0000	1.0000	26.67
37.5	1,028,979		0.0000	1.0000	26.67
38.5	985,184		0.0000	1.0000	26.67

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

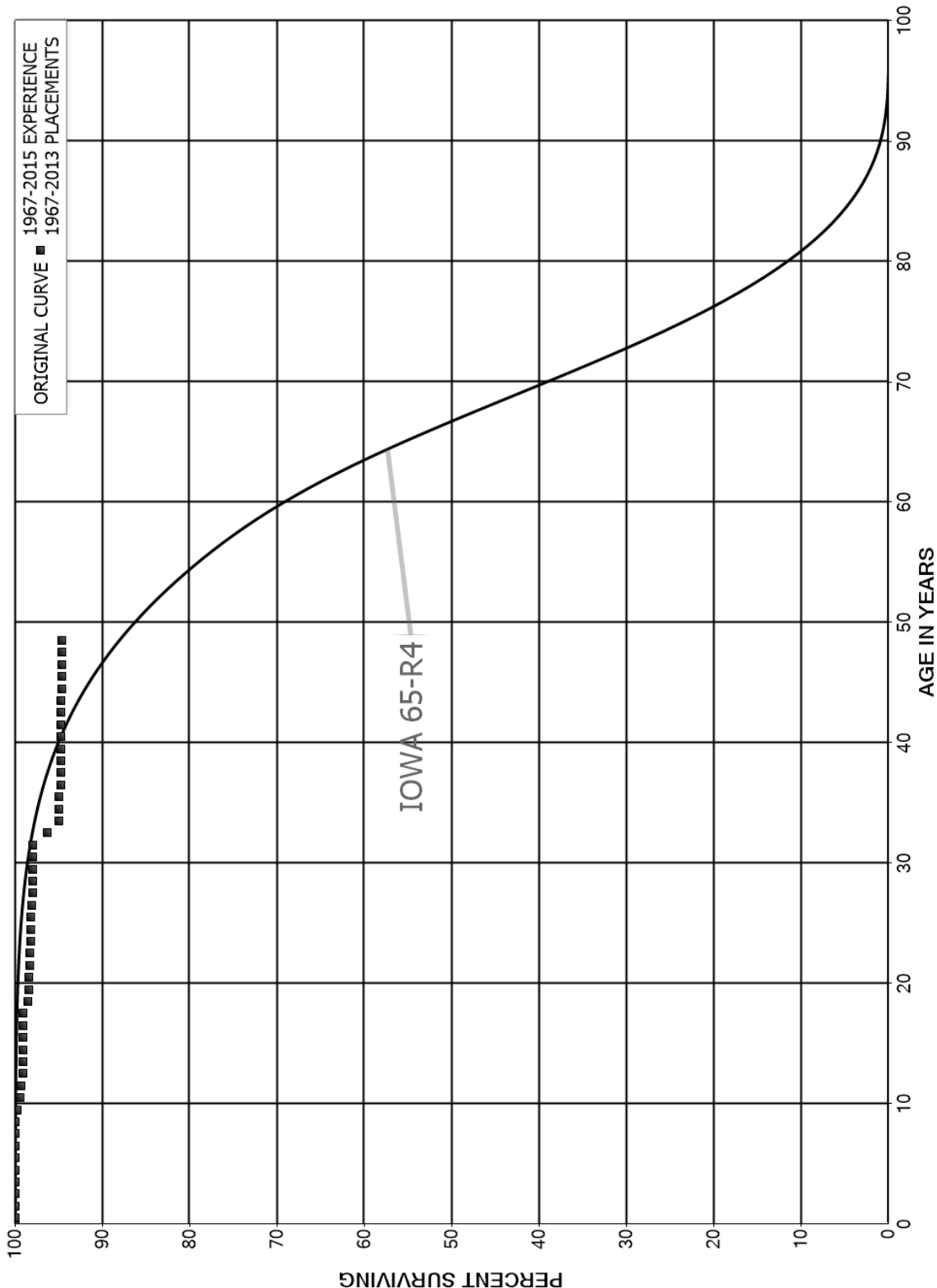
ACCOUNT T01 - TELECONTROL SYSTEM

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	977,989		0.0000	1.0000	26.67
40.5	939,761		0.0000	1.0000	26.67
41.5	800,037		0.0000	1.0000	26.67
42.5	800,037		0.0000	1.0000	26.67
43.5	800,037	8,113	0.0101	0.9899	26.67
44.5	791,925		0.0000	1.0000	26.40
45.5	305,809		0.0000	1.0000	26.40
46.5	305,809		0.0000	1.0000	26.40
47.5	155,517		0.0000	1.0000	26.40
48.5					26.40

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT T04 - TOWERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T04 - TOWERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2013			EXPERIENCE BAND 1967-2015		
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	79,600,586		0.0000	1.0000	100.00
0.5	79,600,586		0.0000	1.0000	100.00
1.5	79,600,586	7,600	0.0001	0.9999	100.00
2.5	79,567,365		0.0000	1.0000	99.99
3.5	74,039,634		0.0000	1.0000	99.99
4.5	73,866,151		0.0000	1.0000	99.99
5.5	73,763,472		0.0000	1.0000	99.99
6.5	73,763,472	2,280	0.0000	1.0000	99.99
7.5	73,761,192		0.0000	1.0000	99.99
8.5	72,263,060	170,680	0.0024	0.9976	99.99
9.5	72,092,380	232,649	0.0032	0.9968	99.75
10.5	71,859,731	121,423	0.0017	0.9983	99.43
11.5	69,685,171	164,133	0.0024	0.9976	99.26
12.5	65,326,035		0.0000	1.0000	99.03
13.5	57,728,762		0.0000	1.0000	99.03
14.5	53,667,989		0.0000	1.0000	99.03
15.5	46,005,128		0.0000	1.0000	99.03
16.5	45,193,882		0.0000	1.0000	99.03
17.5	45,193,882	236,129	0.0052	0.9948	99.03
18.5	44,957,753	44,232	0.0010	0.9990	98.51
19.5	44,884,788		0.0000	1.0000	98.41
20.5	44,884,788	81,674	0.0018	0.9982	98.41
21.5	44,803,115	959	0.0000	1.0000	98.23
22.5	44,670,344	3,412	0.0001	0.9999	98.23
23.5	44,666,932	30,006	0.0007	0.9993	98.22
24.5	43,190,983	6,005	0.0001	0.9999	98.16
25.5	39,217,234	17,827	0.0005	0.9995	98.14
26.5	38,506,736	38,423	0.0010	0.9990	98.10
27.5	37,963,098		0.0000	1.0000	98.00
28.5	37,963,098		0.0000	1.0000	98.00
29.5	37,963,098	43,091	0.0011	0.9989	98.00
30.5	23,010,552		0.0000	1.0000	97.89
31.5	22,684,833	375,208	0.0165	0.9835	97.89
32.5	17,081,479	227,210	0.0133	0.9867	96.27
33.5	16,826,528		0.0000	1.0000	94.99
34.5	16,693,350	7,750	0.0005	0.9995	94.99
35.5	16,685,600	34,169	0.0020	0.9980	94.95
36.5	16,651,431		0.0000	1.0000	94.75
37.5	16,651,431		0.0000	1.0000	94.75
38.5	12,505,973		0.0000	1.0000	94.75

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

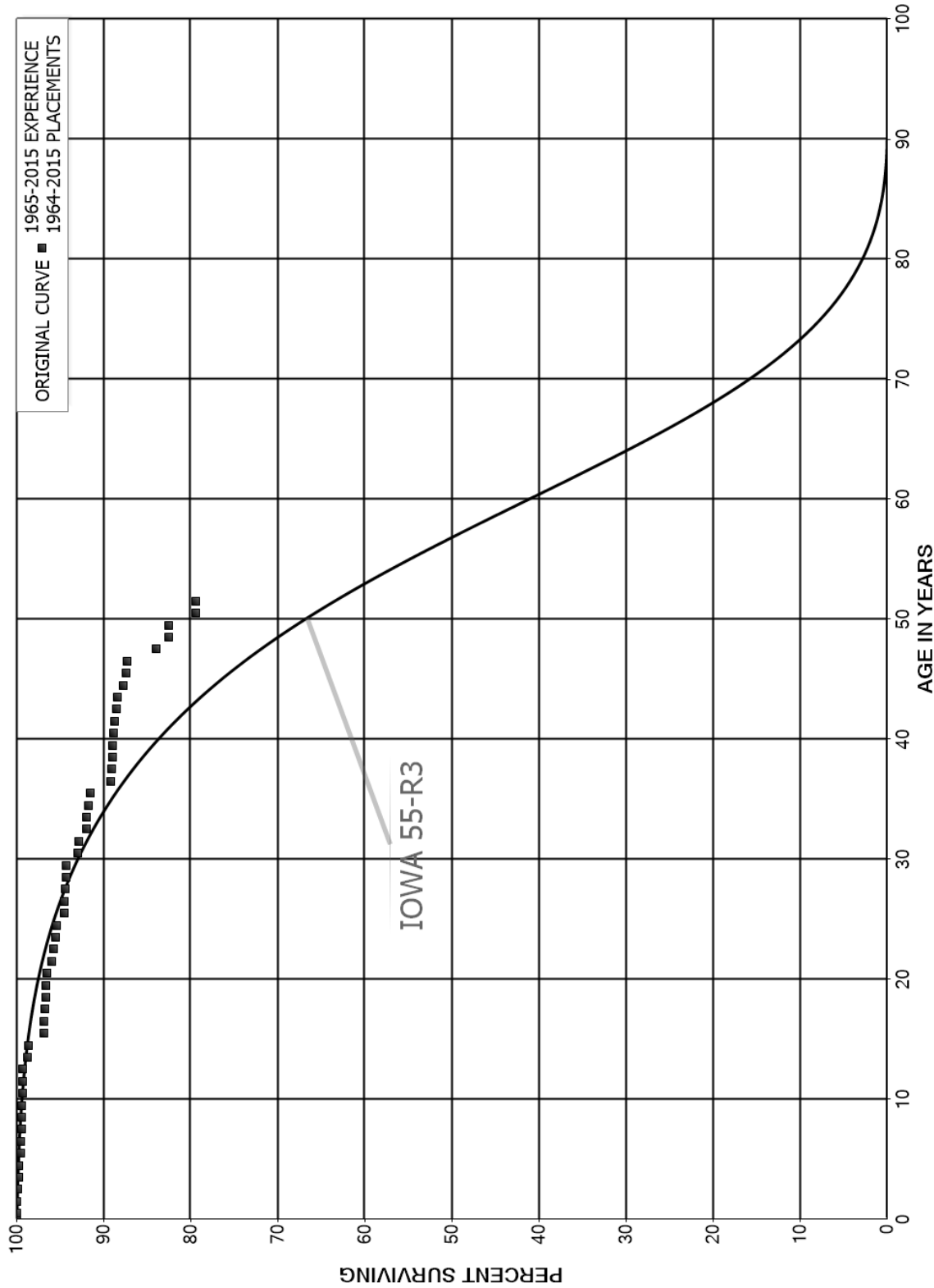
ACCOUNT T04 - TOWERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2013			EXPERIENCE BAND 1967-2015		
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	12,438,050		0.0000	1.0000	94.75
40.5	12,438,050		0.0000	1.0000	94.75
41.5	12,110,026		0.0000	1.0000	94.75
42.5	12,110,026		0.0000	1.0000	94.75
43.5	12,110,026	16,304	0.0013	0.9987	94.75
44.5	12,093,722		0.0000	1.0000	94.63
45.5	11,446,353		0.0000	1.0000	94.63
46.5	11,446,353		0.0000	1.0000	94.63
47.5	7,774,613		0.0000	1.0000	94.63
48.5					94.63

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT T05 - TRANSFORMERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T05 - TRANSFORMERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1964-2015			EXPERIENCE BAND 1965-2015		
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	95,857,145		0.0000	1.0000	100.00
0.5	88,122,308	44,665	0.0005	0.9995	100.00
1.5	87,306,677	85,098	0.0010	0.9990	99.95
2.5	83,964,424	86,565	0.0010	0.9990	99.85
3.5	79,640,935	2,646	0.0000	1.0000	99.75
4.5	78,308,268	151,515	0.0019	0.9981	99.75
5.5	77,048,931	63,822	0.0008	0.9992	99.55
6.5	73,335,629	76,919	0.0010	0.9990	99.47
7.5	73,162,681	2,100	0.0000	1.0000	99.37
8.5	71,487,233		0.0000	1.0000	99.36
9.5	71,305,019	32,828	0.0005	0.9995	99.36
10.5	70,725,698	7,335	0.0001	0.9999	99.32
11.5	69,555,115	17,569	0.0003	0.9997	99.31
12.5	68,284,510	399,150	0.0058	0.9942	99.28
13.5	65,467,625	68,388	0.0010	0.9990	98.70
14.5	65,302,912	1,159,208	0.0178	0.9822	98.60
15.5	63,964,689	22,254	0.0003	0.9997	96.85
16.5	63,746,431	45,664	0.0007	0.9993	96.81
17.5	61,628,637	68,254	0.0011	0.9989	96.75
18.5	61,455,645	28,619	0.0005	0.9995	96.64
19.5	59,296,221	74,827	0.0013	0.9987	96.59
20.5	56,400,128	274,922	0.0049	0.9951	96.47
21.5	55,900,930	134,546	0.0024	0.9976	96.00
22.5	55,128,410	169,465	0.0031	0.9969	95.77
23.5	54,501,695	58,870	0.0011	0.9989	95.48
24.5	53,955,513	462,135	0.0086	0.9914	95.37
25.5	50,310,923	38,486	0.0008	0.9992	94.56
26.5	45,550,027	59,609	0.0013	0.9987	94.48
27.5	43,779,727	52,574	0.0012	0.9988	94.36
28.5	43,335,243	6,946	0.0002	0.9998	94.25
29.5	41,977,199	558,539	0.0133	0.9867	94.23
30.5	38,116,191	76,284	0.0020	0.9980	92.98
31.5	37,977,943	332,661	0.0088	0.9912	92.79
32.5	37,344,865	34,653	0.0009	0.9991	91.98
33.5	36,287,993	77,705	0.0021	0.9979	91.89
34.5	35,054,159	80,185	0.0023	0.9977	91.70
35.5	31,704,163	794,690	0.0251	0.9749	91.49
36.5	30,739,599	44,523	0.0014	0.9986	89.19
37.5	25,293,691	17,718	0.0007	0.9993	89.06
38.5	21,654,288	19,455	0.0009	0.9991	89.00

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

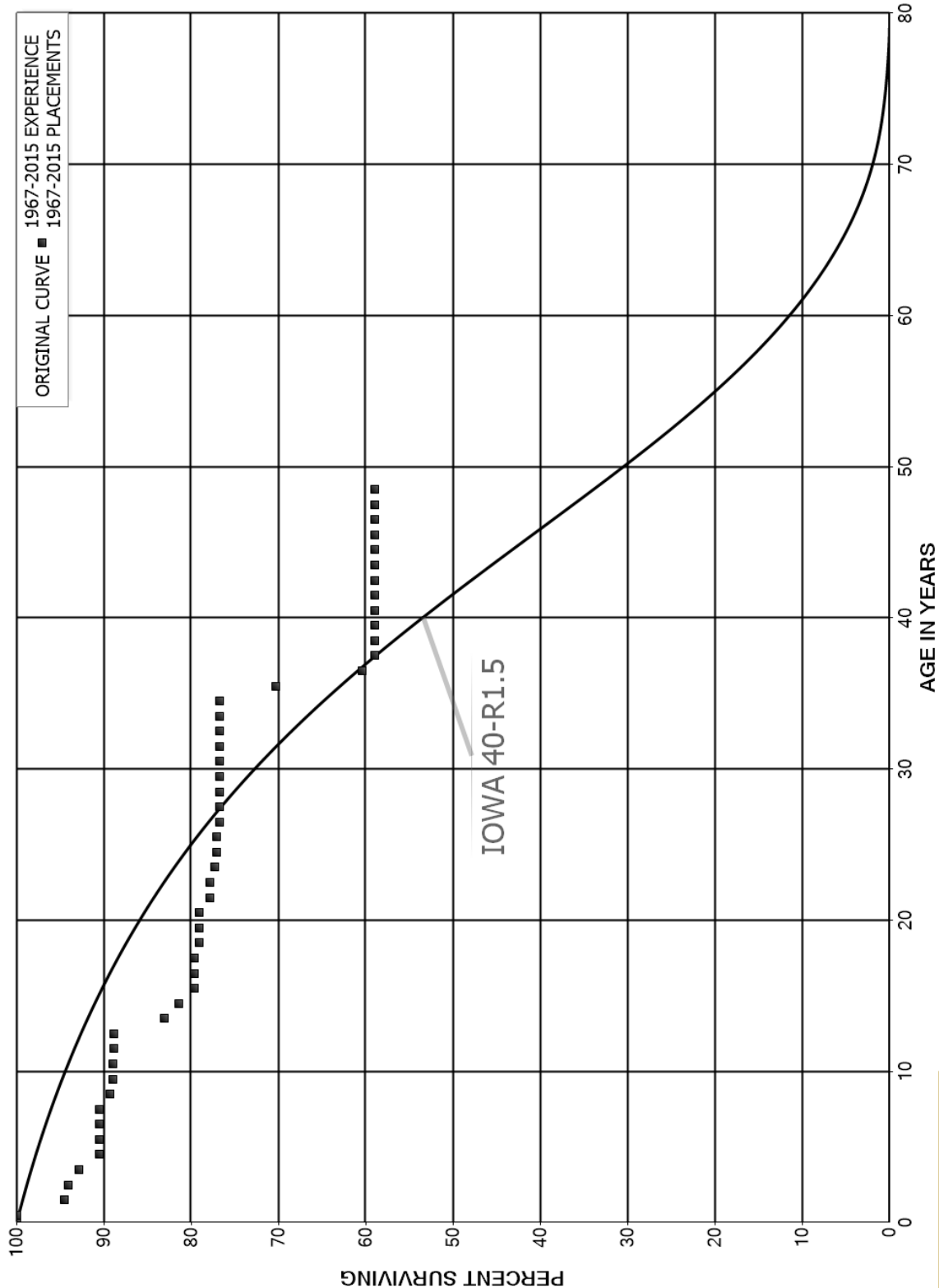
ACCOUNT T05 - TRANSFORMERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1964-2015			EXPERIENCE BAND 1965-2015		
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	21,367,880	25,149	0.0012	0.9988	88.92
40.5	21,012,271	20,930	0.0010	0.9990	88.82
41.5	19,792,714	38,836	0.0020	0.9980	88.73
42.5	19,723,384	26,747	0.0014	0.9986	88.55
43.5	18,859,494	141,679	0.0075	0.9925	88.43
44.5	16,378,658	62,522	0.0038	0.9962	87.77
45.5	8,134,007	10,840	0.0013	0.9987	87.44
46.5	6,541,534	255,505	0.0391	0.9609	87.32
47.5	5,198,559	88,284	0.0170	0.9830	83.91
48.5	2,559,705		0.0000	1.0000	82.48
49.5	2,264,269	83,535	0.0369	0.9631	82.48
50.5	10,236		0.0000	1.0000	79.44
51.5					79.44

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT T06 - TRANSFORMERS - PAD MOUNT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T06 - TRANSFORMERS - PAD MOUNT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	19,339,323		0.0000	1.0000	100.00
0.5	19,025,934	1,037,385	0.0545	0.9455	100.00
1.5	5,438,744	30,758	0.0057	0.9943	94.55
2.5	5,236,512	67,945	0.0130	0.9870	94.01
3.5	3,461,719	85,606	0.0247	0.9753	92.79
4.5	3,222,545		0.0000	1.0000	90.50
5.5	3,042,969		0.0000	1.0000	90.50
6.5	2,910,912		0.0000	1.0000	90.50
7.5	2,600,334	35,827	0.0138	0.9862	90.50
8.5	2,466,035	8,554	0.0035	0.9965	89.25
9.5	2,358,118		0.0000	1.0000	88.94
10.5	2,291,822	1,547	0.0007	0.9993	88.94
11.5	2,220,050		0.0000	1.0000	88.88
12.5	2,189,344	143,918	0.0657	0.9343	88.88
13.5	1,952,037	38,858	0.0199	0.9801	83.04
14.5	1,557,037	34,478	0.0221	0.9779	81.39
15.5	1,480,587		0.0000	1.0000	79.58
16.5	1,434,899		0.0000	1.0000	79.58
17.5	1,434,157	8,724	0.0061	0.9939	79.58
18.5	1,353,006		0.0000	1.0000	79.10
19.5	1,196,585		0.0000	1.0000	79.10
20.5	1,186,320	18,186	0.0153	0.9847	79.10
21.5	1,028,887		0.0000	1.0000	77.89
22.5	995,883	7,468	0.0075	0.9925	77.89
23.5	895,282	2,527	0.0028	0.9972	77.30
24.5	810,675		0.0000	1.0000	77.08
25.5	810,675	4,037	0.0050	0.9950	77.08
26.5	742,670		0.0000	1.0000	76.70
27.5	742,670		0.0000	1.0000	76.70
28.5	694,732		0.0000	1.0000	76.70
29.5	694,732		0.0000	1.0000	76.70
30.5	667,713		0.0000	1.0000	76.70
31.5	653,479		0.0000	1.0000	76.70
32.5	582,832		0.0000	1.0000	76.70
33.5	455,538		0.0000	1.0000	76.70
34.5	387,862	32,374	0.0835	0.9165	76.70
35.5	355,488	50,169	0.1411	0.8589	70.30
36.5	305,319	7,311	0.0239	0.9761	60.38
37.5	298,008		0.0000	1.0000	58.93
38.5	298,008		0.0000	1.0000	58.93

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

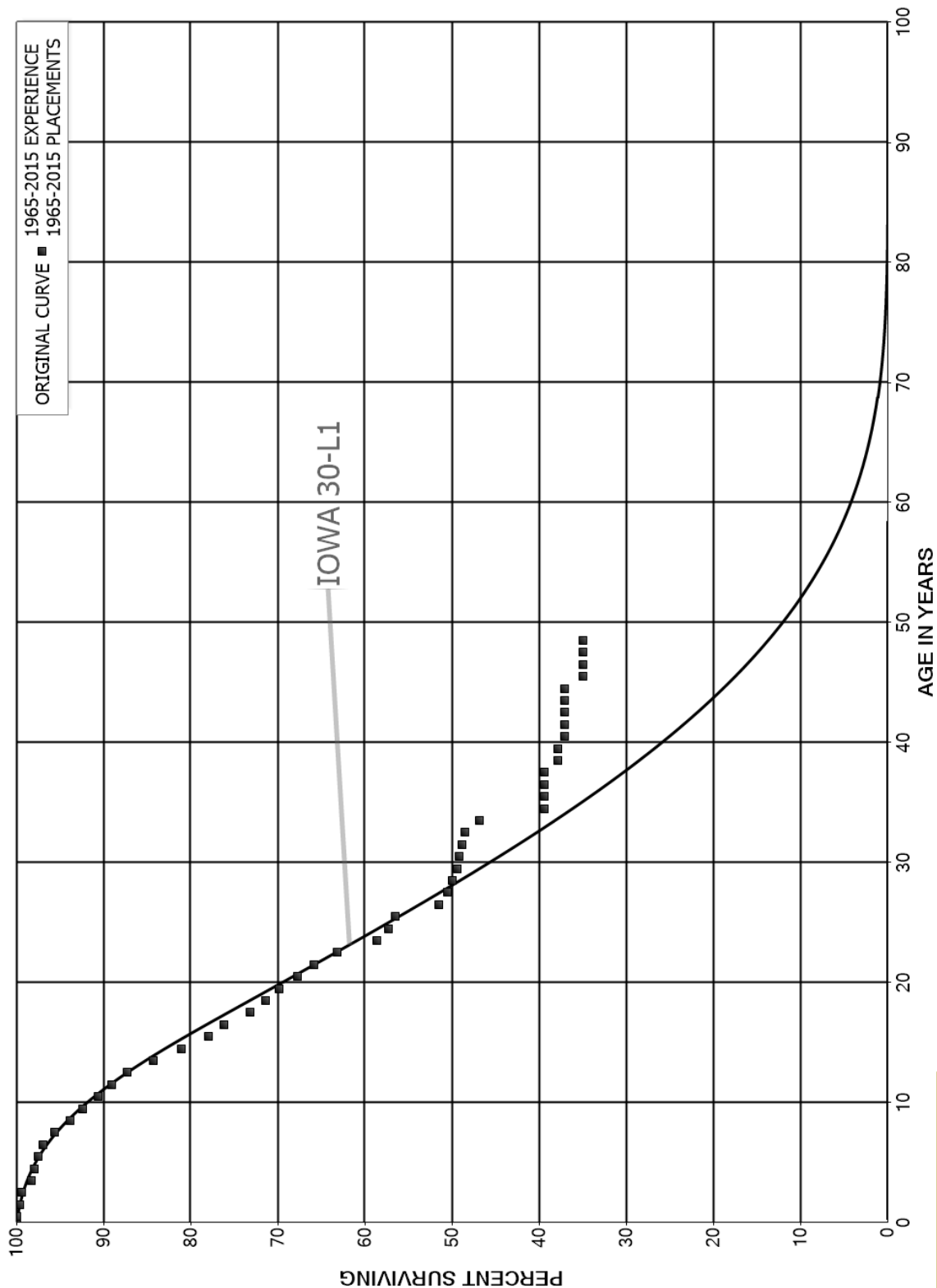
ACCOUNT T06 - TRANSFORMERS - PAD MOUNT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	298,008		0.0000	1.0000	58.93
40.5	298,008		0.0000	1.0000	58.93
41.5	274,029		0.0000	1.0000	58.93
42.5	274,029		0.0000	1.0000	58.93
43.5	274,029		0.0000	1.0000	58.93
44.5	274,029		0.0000	1.0000	58.93
45.5	195,242		0.0000	1.0000	58.93
46.5	195,242		0.0000	1.0000	58.93
47.5	85,000		0.0000	1.0000	58.93
48.5					58.93

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT T07 - TRANSFORMERS - POLE MOUNTED
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T07 - TRANSFORMERS - POLE MOUNTED

ORIGINAL LIFE TABLE

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	43,804,624		0.0000	1.0000	100.00
0.5	41,387,708	154,817	0.0037	0.9963	100.00
1.5	37,951,239	97,742	0.0026	0.9974	99.63
2.5	34,300,336	388,576	0.0113	0.9887	99.37
3.5	30,404,497	103,376	0.0034	0.9966	98.24
4.5	26,498,939	101,334	0.0038	0.9962	97.91
5.5	24,036,269	138,131	0.0057	0.9943	97.54
6.5	22,186,028	312,976	0.0141	0.9859	96.97
7.5	20,807,119	375,541	0.0180	0.9820	95.61
8.5	19,123,371	300,274	0.0157	0.9843	93.88
9.5	17,823,982	336,369	0.0189	0.9811	92.41
10.5	16,466,088	299,150	0.0182	0.9818	90.66
11.5	15,366,282	291,170	0.0189	0.9811	89.02
12.5	14,092,016	483,117	0.0343	0.9657	87.33
13.5	12,790,215	491,814	0.0385	0.9615	84.34
14.5	11,670,634	445,063	0.0381	0.9619	81.09
15.5	10,538,290	252,623	0.0240	0.9760	78.00
16.5	9,600,508	374,858	0.0390	0.9610	76.13
17.5	8,621,213	201,789	0.0234	0.9766	73.16
18.5	7,288,480	166,518	0.0228	0.9772	71.45
19.5	6,226,539	181,504	0.0292	0.9708	69.81
20.5	5,461,653	154,378	0.0283	0.9717	67.78
21.5	5,024,915	204,742	0.0407	0.9593	65.86
22.5	4,519,138	329,705	0.0730	0.9270	63.18
23.5	3,321,858	70,736	0.0213	0.9787	58.57
24.5	2,979,311	39,725	0.0133	0.9867	57.32
25.5	2,668,644	236,710	0.0887	0.9113	56.56
26.5	2,183,299	44,916	0.0206	0.9794	51.54
27.5	1,975,636	19,057	0.0096	0.9904	50.48
28.5	1,497,522	17,463	0.0117	0.9883	49.99
29.5	1,304,970	5,411	0.0041	0.9959	49.41
30.5	1,147,953	8,622	0.0075	0.9925	49.21
31.5	983,742	6,192	0.0063	0.9937	48.84
32.5	759,544	26,243	0.0346	0.9654	48.53
33.5	602,543	96,039	0.1594	0.8406	46.85
34.5	78,504		0.0000	1.0000	39.38
35.5	78,504		0.0000	1.0000	39.38
36.5	78,181		0.0000	1.0000	39.38
37.5	67,297	2,708	0.0402	0.9598	39.38
38.5	64,589		0.0000	1.0000	37.80

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

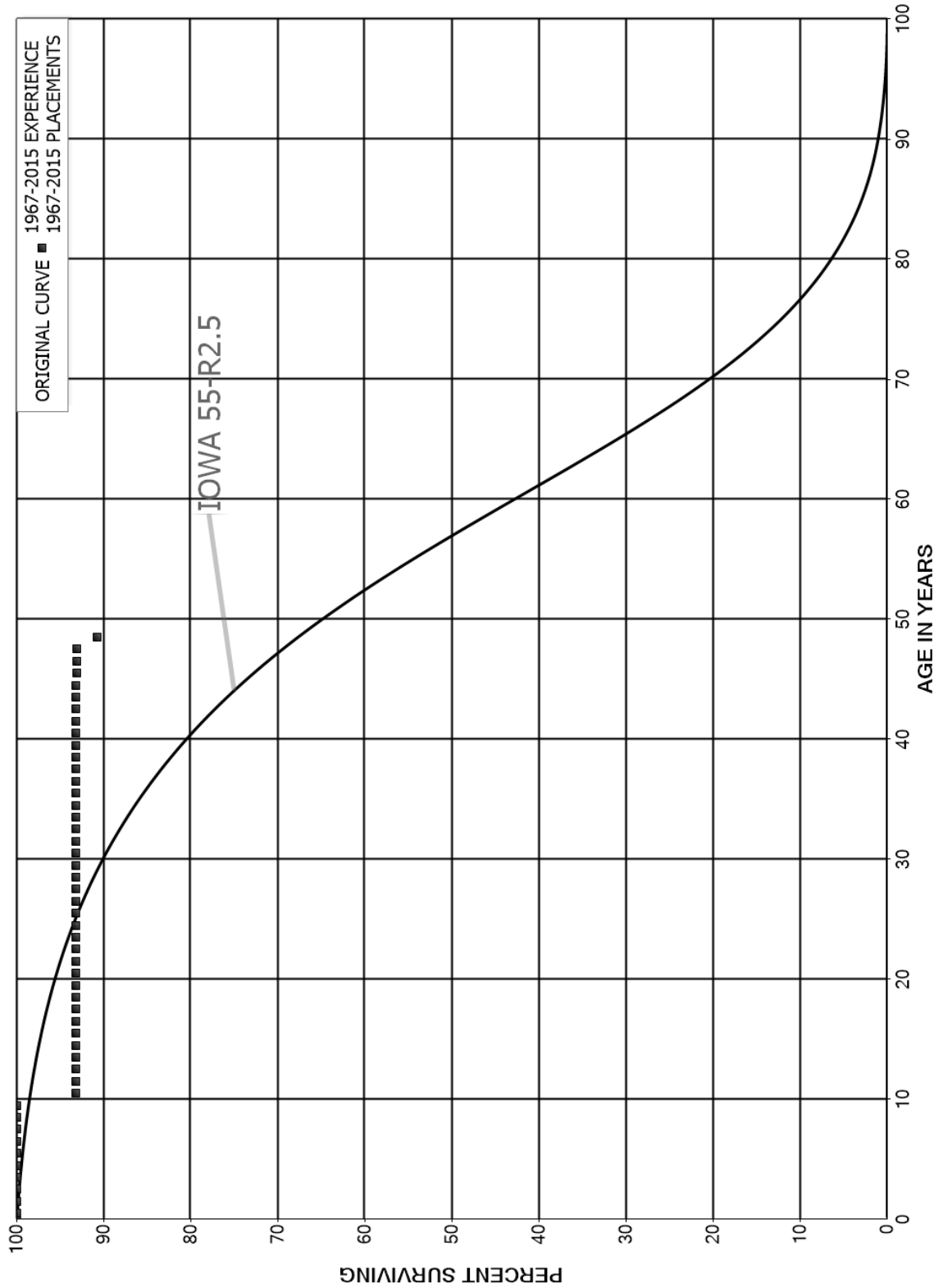
ACCOUNT T07 - TRANSFORMERS - POLE MOUNTED

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1965-2015			EXPERIENCE BAND 1965-2015		
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	64,589	1,253	0.0194	0.9806	37.80
40.5	63,335		0.0000	1.0000	37.07
41.5	63,335		0.0000	1.0000	37.07
42.5	63,335		0.0000	1.0000	37.07
43.5	63,335		0.0000	1.0000	37.07
44.5	63,024	3,526	0.0559	0.9441	37.07
45.5	16,201		0.0000	1.0000	34.99
46.5	16,201		0.0000	1.0000	34.99
47.5	12,695		0.0000	1.0000	34.99
48.5					34.99

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT T09 - TURBINES
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T09 - TURBINES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	104,485,714		0.0000	1.0000	100.00
0.5	92,867,454		0.0000	1.0000	100.00
1.5	87,453,107		0.0000	1.0000	100.00
2.5	74,877,766		0.0000	1.0000	100.00
3.5	73,185,902		0.0000	1.0000	100.00
4.5	73,185,902		0.0000	1.0000	100.00
5.5	72,755,889		0.0000	1.0000	100.00
6.5	71,700,417		0.0000	1.0000	100.00
7.5	71,700,417		0.0000	1.0000	100.00
8.5	69,995,413		0.0000	1.0000	100.00
9.5	69,078,643	4,678,499	0.0677	0.9323	100.00
10.5	64,400,143		0.0000	1.0000	93.23
11.5	64,400,143		0.0000	1.0000	93.23
12.5	52,470,546		0.0000	1.0000	93.23
13.5	52,470,546		0.0000	1.0000	93.23
14.5	52,470,546		0.0000	1.0000	93.23
15.5	52,470,546		0.0000	1.0000	93.23
16.5	52,470,546		0.0000	1.0000	93.23
17.5	52,470,546		0.0000	1.0000	93.23
18.5	52,470,546		0.0000	1.0000	93.23
19.5	52,470,546		0.0000	1.0000	93.23
20.5	52,468,967		0.0000	1.0000	93.23
21.5	52,468,967		0.0000	1.0000	93.23
22.5	52,468,967		0.0000	1.0000	93.23
23.5	52,468,967		0.0000	1.0000	93.23
24.5	52,468,967		0.0000	1.0000	93.23
25.5	52,468,967		0.0000	1.0000	93.23
26.5	50,881,792		0.0000	1.0000	93.23
27.5	43,971,956		0.0000	1.0000	93.23
28.5	43,963,063		0.0000	1.0000	93.23
29.5	43,963,063		0.0000	1.0000	93.23
30.5	33,036,048		0.0000	1.0000	93.23
31.5	33,036,048		0.0000	1.0000	93.23
32.5	32,989,272		0.0000	1.0000	93.23
33.5	25,897,915		0.0000	1.0000	93.23
34.5	25,897,915		0.0000	1.0000	93.23
35.5	16,711,577		0.0000	1.0000	93.23
36.5	16,711,577		0.0000	1.0000	93.23
37.5	12,468,906	2,201	0.0002	0.9998	93.23
38.5	12,248,799		0.0000	1.0000	93.21

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

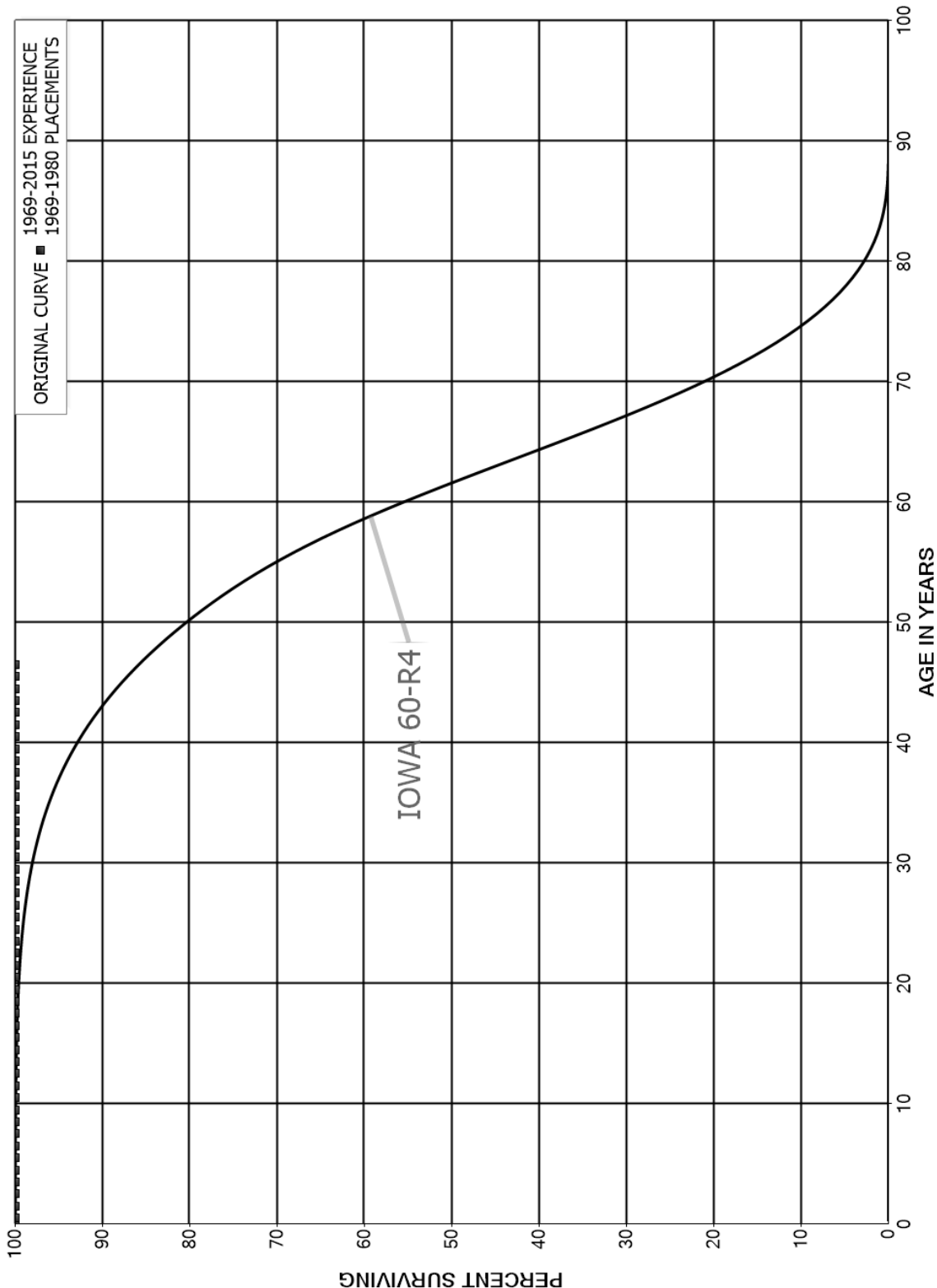
ACCOUNT T09 - TURBINES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	12,248,799		0.0000	1.0000	93.21
40.5	12,146,926		0.0000	1.0000	93.21
41.5	12,146,926		0.0000	1.0000	93.21
42.5	12,146,926	5,339	0.0004	0.9996	93.21
43.5	12,141,587	5,339	0.0004	0.9996	93.17
44.5	12,110,248	8,333	0.0007	0.9993	93.13
45.5	10,418,575		0.0000	1.0000	93.06
46.5	10,418,575	4,593	0.0004	0.9996	93.06
47.5	1,806,578	43,789	0.0242	0.9758	93.02
48.5					90.77

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V01 - VACUUM CLEANING SYSTEM
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT V01 - VACUUM CLEANING SYSTEM

ORIGINAL LIFE TABLE

PLACEMENT BAND 1969-1980			EXPERIENCE BAND 1969-2015		
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	72,451		0.0000	1.0000	100.00
0.5	72,451		0.0000	1.0000	100.00
1.5	72,451		0.0000	1.0000	100.00
2.5	72,451		0.0000	1.0000	100.00
3.5	72,451		0.0000	1.0000	100.00
4.5	72,451		0.0000	1.0000	100.00
5.5	72,451		0.0000	1.0000	100.00
6.5	72,451		0.0000	1.0000	100.00
7.5	72,451		0.0000	1.0000	100.00
8.5	72,451		0.0000	1.0000	100.00
9.5	72,451		0.0000	1.0000	100.00
10.5	72,451		0.0000	1.0000	100.00
11.5	72,451		0.0000	1.0000	100.00
12.5	72,451		0.0000	1.0000	100.00
13.5	72,451		0.0000	1.0000	100.00
14.5	72,451		0.0000	1.0000	100.00
15.5	72,451		0.0000	1.0000	100.00
16.5	72,451		0.0000	1.0000	100.00
17.5	72,451		0.0000	1.0000	100.00
18.5	72,451		0.0000	1.0000	100.00
19.5	72,451		0.0000	1.0000	100.00
20.5	72,451		0.0000	1.0000	100.00
21.5	72,451		0.0000	1.0000	100.00
22.5	72,451		0.0000	1.0000	100.00
23.5	72,451		0.0000	1.0000	100.00
24.5	72,451		0.0000	1.0000	100.00
25.5	72,451		0.0000	1.0000	100.00
26.5	72,451		0.0000	1.0000	100.00
27.5	72,451		0.0000	1.0000	100.00
28.5	72,451		0.0000	1.0000	100.00
29.5	72,451		0.0000	1.0000	100.00
30.5	72,451		0.0000	1.0000	100.00
31.5	72,451		0.0000	1.0000	100.00
32.5	72,451		0.0000	1.0000	100.00
33.5	72,451		0.0000	1.0000	100.00
34.5	72,451		0.0000	1.0000	100.00
35.5	23,574		0.0000	1.0000	100.00
36.5	23,574		0.0000	1.0000	100.00
37.5	23,574		0.0000	1.0000	100.00
38.5	23,574		0.0000	1.0000	100.00

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

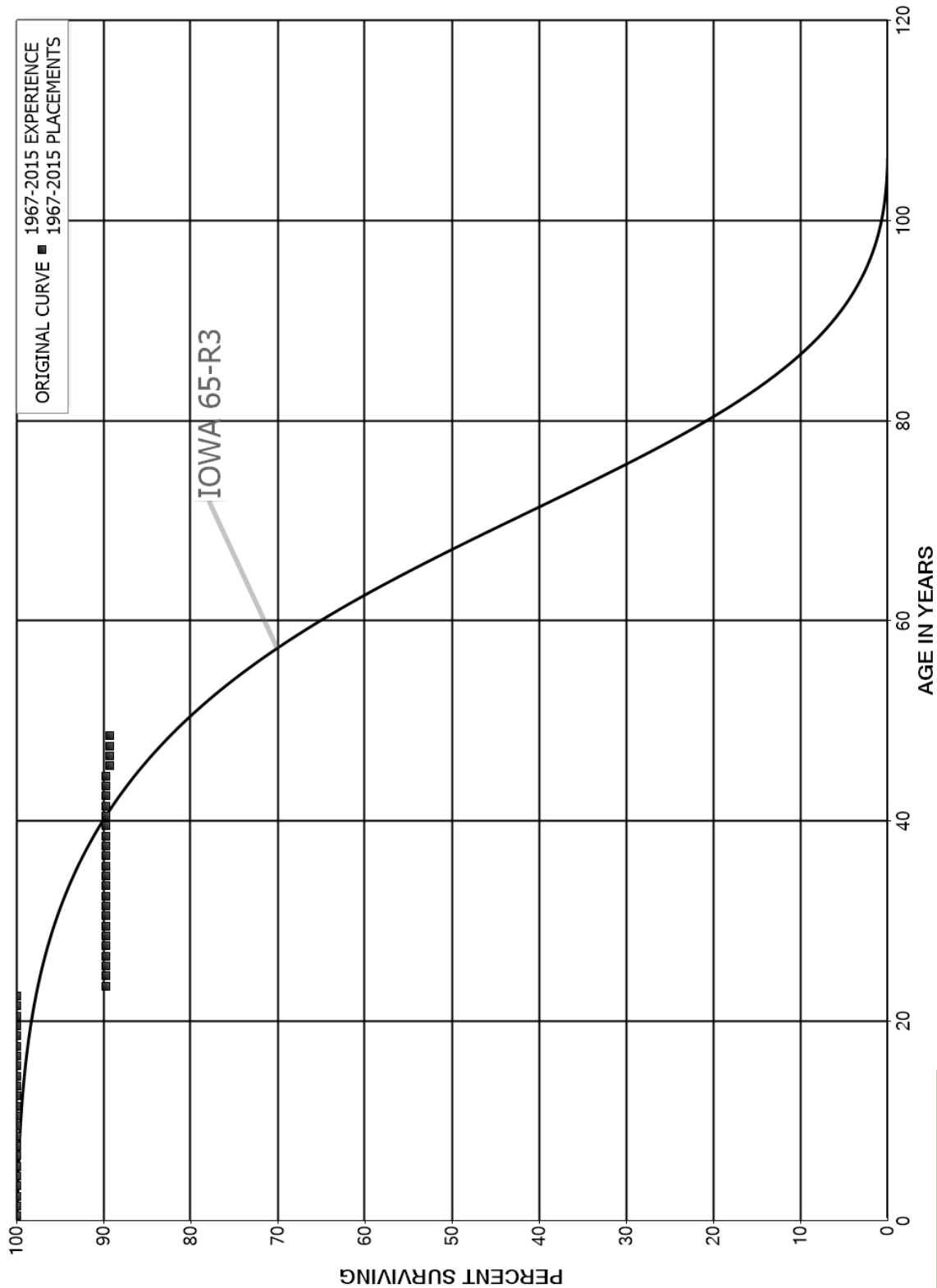
ACCOUNT V01 - VACUUM CLEANING SYSTEM

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1969-1980			EXPERIENCE BAND 1969-2015		
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	23,574		0.0000	1.0000	100.00
40.5	23,574		0.0000	1.0000	100.00
41.5	23,574		0.0000	1.0000	100.00
42.5	23,574		0.0000	1.0000	100.00
43.5	23,574		0.0000	1.0000	100.00
44.5	23,574		0.0000	1.0000	100.00
45.5	23,574		0.0000	1.0000	100.00
46.5					100.00

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V02 - VALVES - PENSTOCK
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT V02 - VALVES - PENSTOCK

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	8,073,931		0.0000	1.0000	100.00
0.5	7,853,424		0.0000	1.0000	100.00
1.5	7,853,424		0.0000	1.0000	100.00
2.5	7,853,424		0.0000	1.0000	100.00
3.5	7,853,424		0.0000	1.0000	100.00
4.5	7,853,424		0.0000	1.0000	100.00
5.5	7,853,424		0.0000	1.0000	100.00
6.5	7,853,424		0.0000	1.0000	100.00
7.5	5,978,246		0.0000	1.0000	100.00
8.5	5,848,451		0.0000	1.0000	100.00
9.5	5,671,553		0.0000	1.0000	100.00
10.5	5,459,235		0.0000	1.0000	100.00
11.5	5,247,883		0.0000	1.0000	100.00
12.5	5,011,386		0.0000	1.0000	100.00
13.5	5,011,386		0.0000	1.0000	100.00
14.5	4,816,450		0.0000	1.0000	100.00
15.5	4,816,450		0.0000	1.0000	100.00
16.5	4,816,450		0.0000	1.0000	100.00
17.5	4,816,450		0.0000	1.0000	100.00
18.5	4,816,450		0.0000	1.0000	100.00
19.5	4,816,450		0.0000	1.0000	100.00
20.5	4,816,450		0.0000	1.0000	100.00
21.5	4,816,450		0.0000	1.0000	100.00
22.5	4,816,450	497,499	0.1033	0.8967	100.00
23.5	4,318,951		0.0000	1.0000	89.67
24.5	4,318,951		0.0000	1.0000	89.67
25.5	4,318,951		0.0000	1.0000	89.67
26.5	4,318,951		0.0000	1.0000	89.67
27.5	4,316,519		0.0000	1.0000	89.67
28.5	4,316,519		0.0000	1.0000	89.67
29.5	4,316,519		0.0000	1.0000	89.67
30.5	2,111,625		0.0000	1.0000	89.67
31.5	2,111,625		0.0000	1.0000	89.67
32.5	2,111,625		0.0000	1.0000	89.67
33.5	2,089,406		0.0000	1.0000	89.67
34.5	2,089,406		0.0000	1.0000	89.67
35.5	2,089,406		0.0000	1.0000	89.67
36.5	2,089,406		0.0000	1.0000	89.67
37.5	2,089,406		0.0000	1.0000	89.67
38.5	1,985,406		0.0000	1.0000	89.67

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

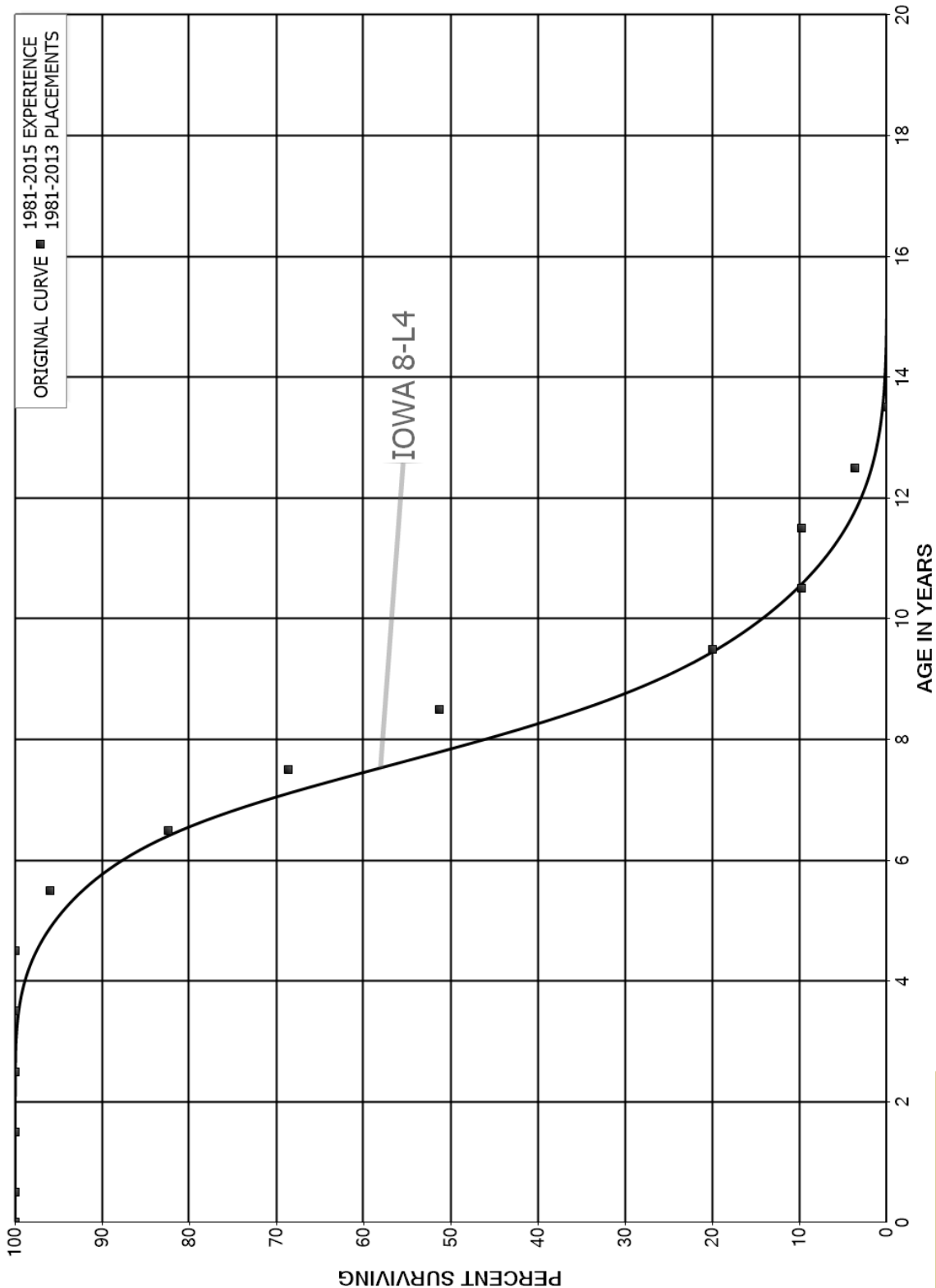
ACCOUNT V02 - VALVES - PENSTOCK

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2015			EXPERIENCE BAND 1967-2015		
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	1,985,406		0.0000	1.0000	89.67
40.5	1,971,105		0.0000	1.0000	89.67
41.5	1,971,105		0.0000	1.0000	89.67
42.5	1,971,105		0.0000	1.0000	89.67
43.5	1,971,105		0.0000	1.0000	89.67
44.5	1,971,105	8,672	0.0044	0.9956	89.67
45.5	1,415,205		0.0000	1.0000	89.28
46.5	1,415,205		0.0000	1.0000	89.28
47.5	1,415,205		0.0000	1.0000	89.28
48.5					89.28

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V03 - VEHICLES - 1 TON
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

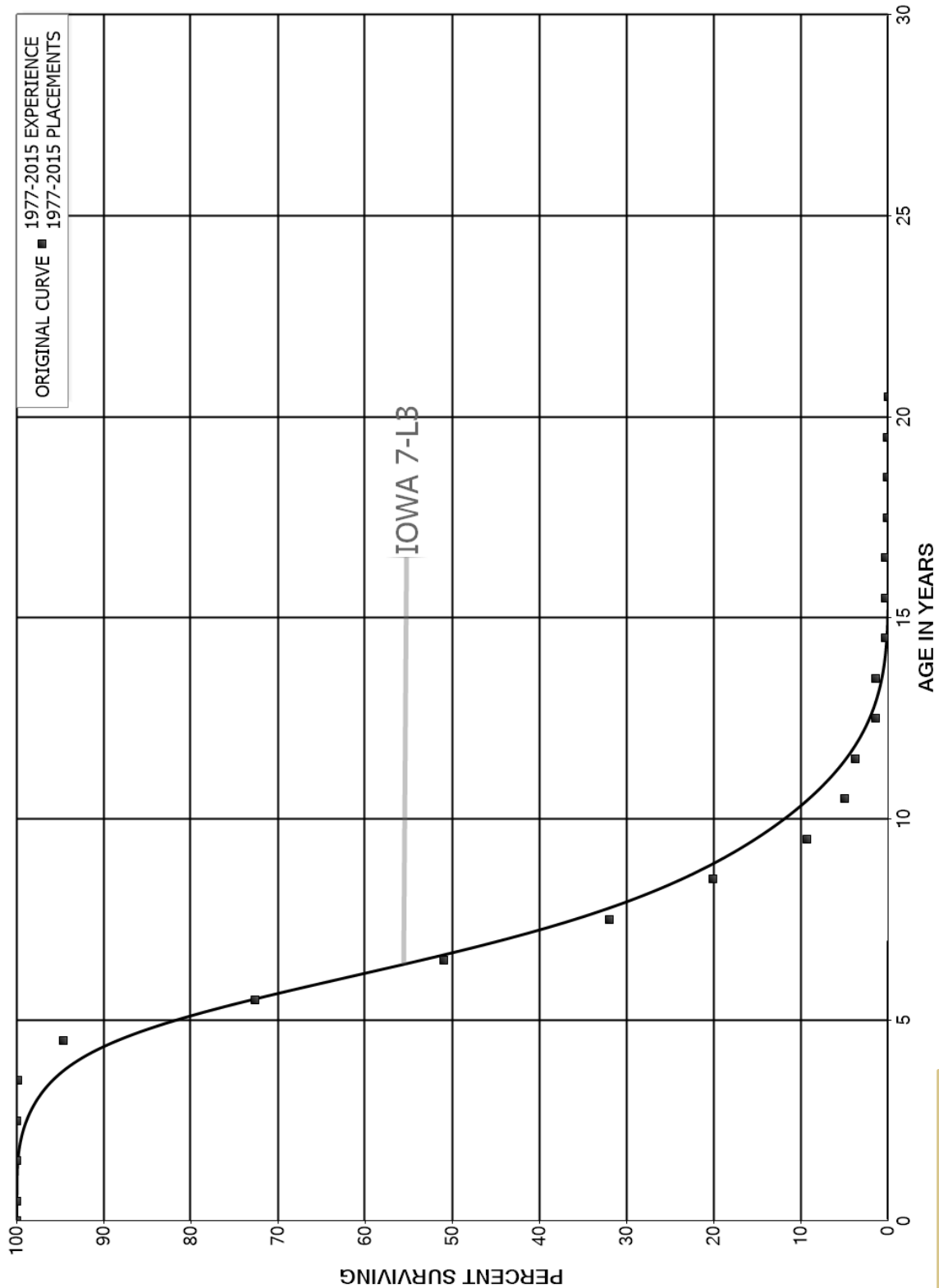
ACCOUNT V03 - VEHICLES - 1 TON

ORIGINAL LIFE TABLE

PLACEMENT BAND 1981-2013			EXPERIENCE BAND 1981-2015		
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	379,343		0.0000	1.0000	100.00
0.5	379,343		0.0000	1.0000	100.00
1.5	379,343		0.0000	1.0000	100.00
2.5	327,695		0.0000	1.0000	100.00
3.5	327,695		0.0000	1.0000	100.00
4.5	327,695	13,283	0.0405	0.9595	100.00
5.5	314,412	44,240	0.1407	0.8593	95.95
6.5	270,173	45,393	0.1680	0.8320	82.45
7.5	224,780	56,766	0.2525	0.7475	68.59
8.5	168,014	102,809	0.6119	0.3881	51.27
9.5	65,206	33,491	0.5136	0.4864	19.90
10.5	31,715		0.0000	1.0000	9.68
11.5	31,715	19,876	0.6267	0.3733	9.68
12.5	11,838	11,838	1.0000		3.61
13.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V04 - VEHICLES - 3/4 TON AND UNDER
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

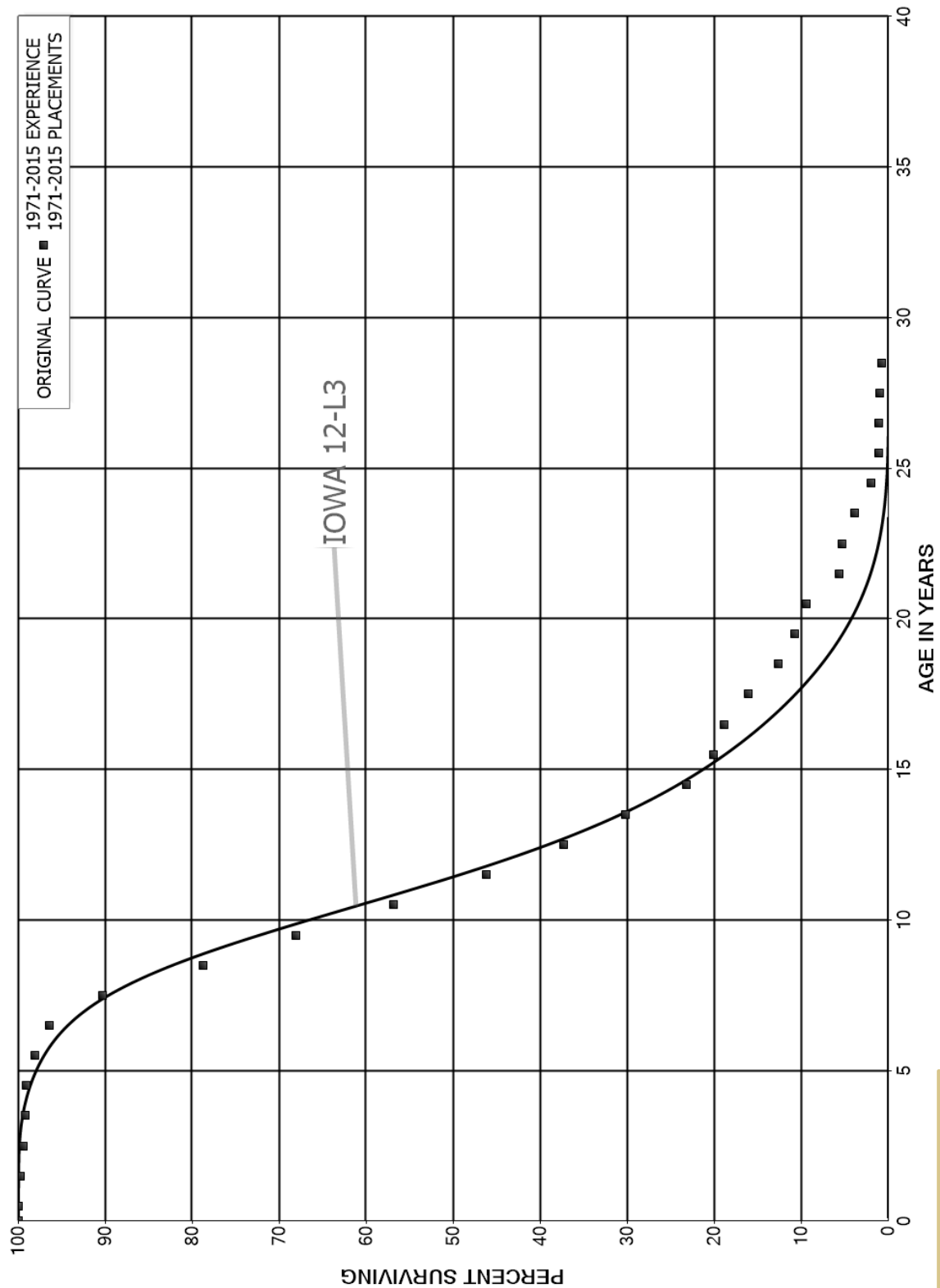
ACCOUNT V04 - VEHICLES - 3/4 TON AND UNDER

ORIGINAL LIFE TABLE

PLACEMENT BAND 1977-2015			EXPERIENCE BAND 1977-2015		
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	13,593,915		0.0000	1.0000	100.00
0.5	12,522,318		0.0000	1.0000	100.00
1.5	11,803,485		0.0000	1.0000	100.00
2.5	11,521,445	14,631	0.0013	0.9987	100.00
3.5	10,756,433	568,573	0.0529	0.9471	99.87
4.5	9,466,923	2,199,136	0.2323	0.7677	94.59
5.5	6,450,055	1,927,343	0.2988	0.7012	72.62
6.5	4,070,137	1,512,403	0.3716	0.6284	50.92
7.5	2,481,830	923,593	0.3721	0.6279	32.00
8.5	1,302,139	698,230	0.5362	0.4638	20.09
9.5	603,909	286,197	0.4739	0.5261	9.32
10.5	317,713	79,109	0.2490	0.7510	4.90
11.5	217,530	133,534	0.6139	0.3861	3.68
12.5	83,997	3,550	0.0423	0.9577	1.42
13.5	80,446	62,639	0.7786	0.2214	1.36
14.5	17,807		0.0000	1.0000	0.30
15.5	17,807	2,532	0.1422	0.8578	0.30
16.5	15,275	8,795	0.5758	0.4242	0.26
17.5	6,480		0.0000	1.0000	0.11
18.5	6,480	4,537	0.7001	0.2999	0.11
19.5	1,943	1,943	1.0000		0.03
20.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V05 - VEHICLES - BOOMS/BODIES/CRANES/CAB/CHASSIS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

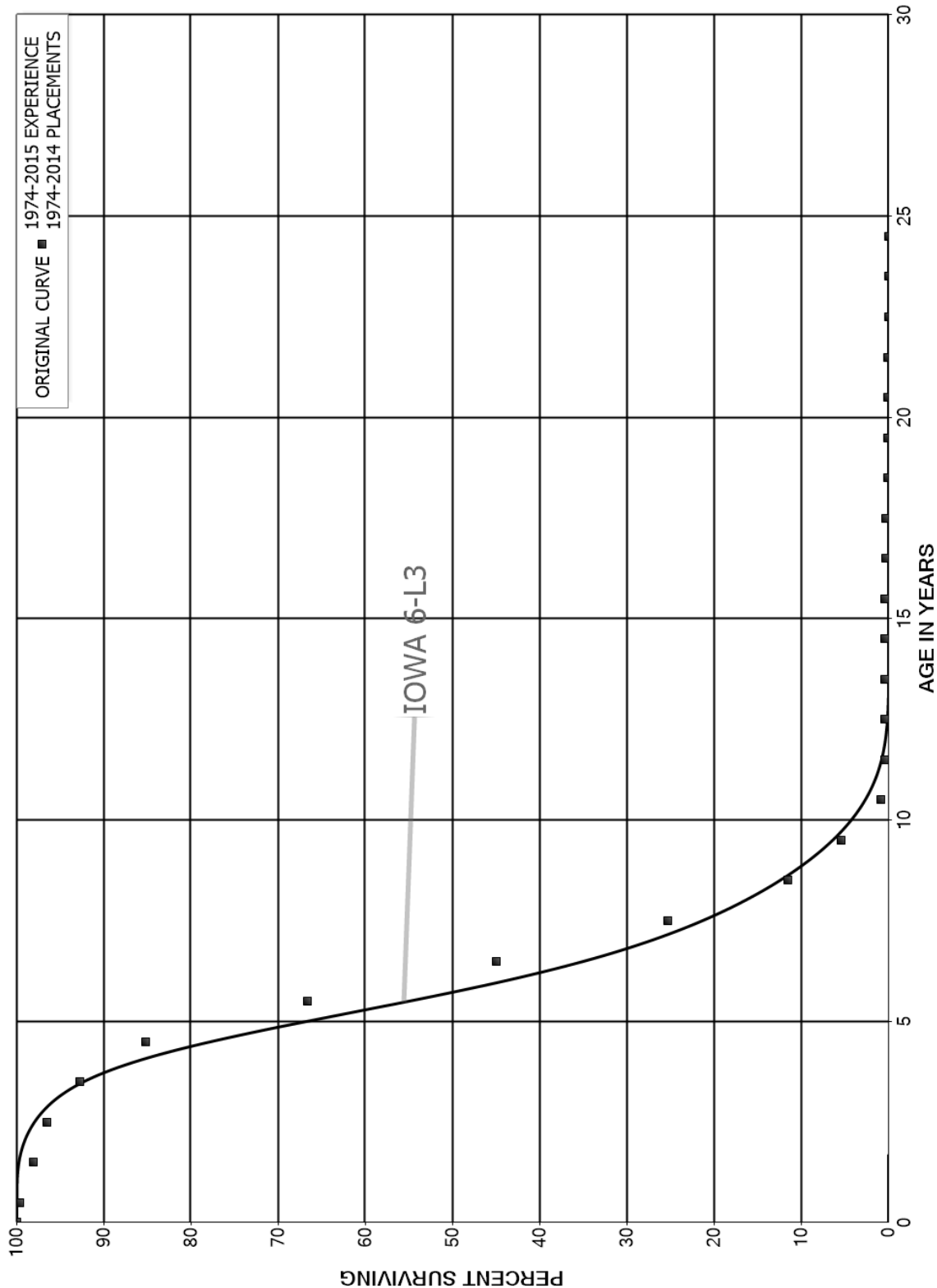
ACCOUNT V05 - VEHICLES - BOOMS/BODIES/CRANES/CAB/CHASSIS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1971-2015			EXPERIENCE BAND 1971-2015		
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	27,223,902		0.0000	1.0000	100.00
0.5	24,655,661	68,025	0.0028	0.9972	100.00
1.5	23,611,135	84,894	0.0036	0.9964	99.72
2.5	22,203,256	40,397	0.0018	0.9982	99.37
3.5	20,170,991	15,155	0.0008	0.9992	99.18
4.5	18,491,838	202,273	0.0109	0.9891	99.11
5.5	17,542,955	301,536	0.0172	0.9828	98.03
6.5	15,403,032	973,183	0.0632	0.9368	96.34
7.5	13,818,921	1,768,914	0.1280	0.8720	90.25
8.5	10,585,012	1,423,991	0.1345	0.8655	78.70
9.5	8,847,582	1,460,983	0.1651	0.8349	68.11
10.5	6,751,902	1,263,554	0.1871	0.8129	56.87
11.5	5,022,061	975,560	0.1943	0.8057	46.22
12.5	3,843,935	727,581	0.1893	0.8107	37.24
13.5	2,986,309	696,520	0.2332	0.7668	30.20
14.5	2,289,789	301,191	0.1315	0.8685	23.15
15.5	1,965,599	124,552	0.0634	0.9366	20.11
16.5	1,841,046	273,432	0.1485	0.8515	18.83
17.5	1,567,615	332,219	0.2119	0.7881	16.04
18.5	1,235,396	185,014	0.1498	0.8502	12.64
19.5	1,050,382	129,020	0.1228	0.8772	10.74
20.5	921,362	369,877	0.4014	0.5986	9.43
21.5	551,486	31,815	0.0577	0.9423	5.64
22.5	519,671	149,068	0.2869	0.7131	5.32
23.5	370,603	183,466	0.4950	0.5050	3.79
24.5	187,137	80,847	0.4320	0.5680	1.91
25.5	106,290	6,157	0.0579	0.9421	1.09
26.5	100,133	11,503	0.1149	0.8851	1.02
27.5	88,629	16,230	0.1831	0.8169	0.91
28.5	72,399		0.0000	1.0000	0.74
29.5	72,399	44,189	0.6104	0.3896	0.74
30.5	28,210	28,210	1.0000		0.29
31.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V06 - VEHICLES - CARS, STATION WAGONS AND VANS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

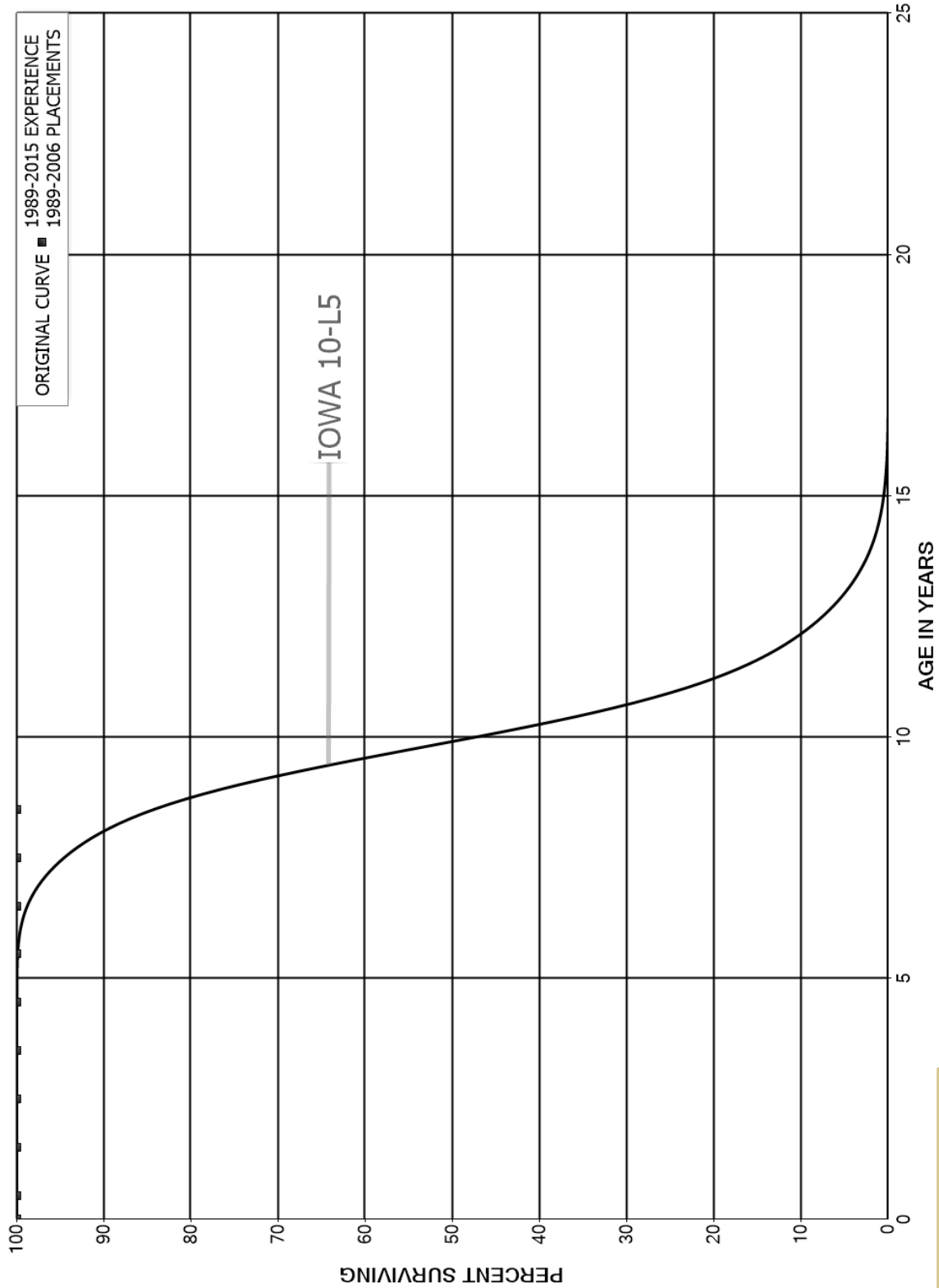
ACCOUNT V06 - VEHICLES - CARS, STATION WAGONS AND VANS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1974-2014			EXPERIENCE BAND 1974-2015		
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	9,814,453	34,490	0.0035	0.9965	100.00
0.5	9,779,963	150,355	0.0154	0.9846	99.65
1.5	9,409,596	159,717	0.0170	0.9830	98.12
2.5	8,973,608	343,570	0.0383	0.9617	96.45
3.5	8,426,528	684,758	0.0813	0.9187	92.76
4.5	7,460,987	1,632,087	0.2187	0.7813	85.22
5.5	5,542,176	1,804,839	0.3257	0.6743	66.58
6.5	3,500,464	1,528,182	0.4366	0.5634	44.90
7.5	1,733,996	941,698	0.5431	0.4569	25.30
8.5	760,437	402,658	0.5295	0.4705	11.56
9.5	336,728	286,895	0.8520	0.1480	5.44
10.5	49,833	28,612	0.5742	0.4258	0.80
11.5	21,221		0.0000	1.0000	0.34
12.5	21,221		0.0000	1.0000	0.34
13.5	21,221		0.0000	1.0000	0.34
14.5	21,221		0.0000	1.0000	0.34
15.5	21,221	2,230	0.1051	0.8949	0.34
16.5	18,991		0.0000	1.0000	0.31
17.5	18,991	12,282	0.6467	0.3533	0.31
18.5	6,709		0.0000	1.0000	0.11
19.5	6,709		0.0000	1.0000	0.11
20.5	6,709		0.0000	1.0000	0.11
21.5	6,709	6,208	0.9252	0.0748	0.11
22.5	502		0.0000	1.0000	0.01
23.5	502	502	1.0000		0.01
24.5					

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V07 - VEHICLES - DUMP TRUCKS
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

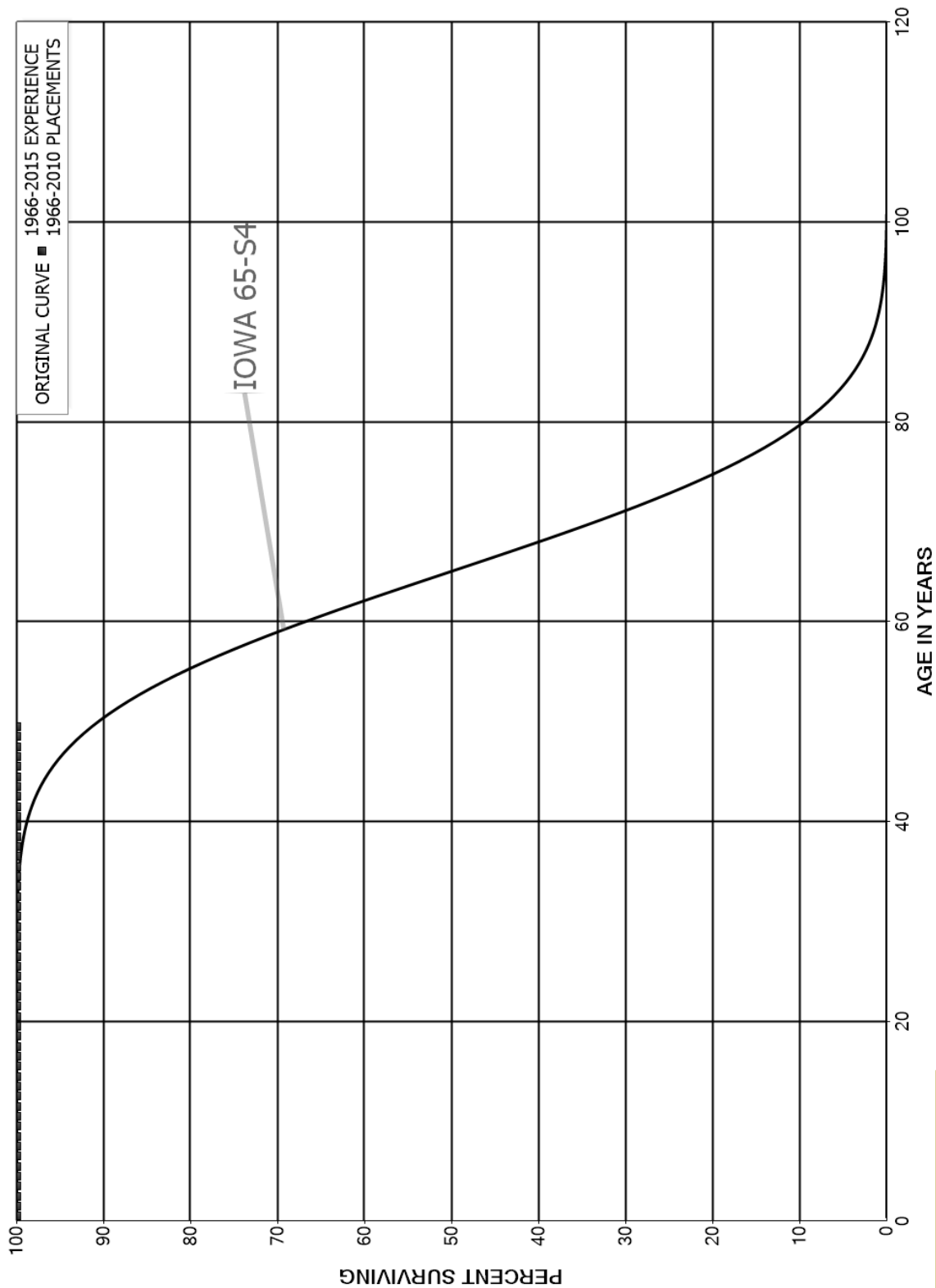
ACCOUNT V07 - VEHICLES - DUMP TRUCKS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1989-2006			EXPERIENCE BAND 1989-2015		
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	36,457		0.0000	1.0000	100.00
0.5	36,457		0.0000	1.0000	100.00
1.5	36,457		0.0000	1.0000	100.00
2.5	36,457		0.0000	1.0000	100.00
3.5	36,457		0.0000	1.0000	100.00
4.5	36,457		0.0000	1.0000	100.00
5.5	36,457		0.0000	1.0000	100.00
6.5	36,457		0.0000	1.0000	100.00
7.5	36,457		0.0000	1.0000	100.00
8.5	36,457	24,922	0.6836	0.3164	100.00
9.5	11,535		0.0000	1.0000	31.64
10.5	11,535		0.0000	1.0000	31.64
11.5	11,535		0.0000	1.0000	31.64
12.5					31.64

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT W01 - WATER REGULATING STRUCTURES
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT W01 - WATER REGULATING STRUCTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2010			EXPERIENCE BAND 1966-2015		
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	22,451,738		0.0000	1.0000	100.00
0.5	22,451,738		0.0000	1.0000	100.00
1.5	22,451,738		0.0000	1.0000	100.00
2.5	22,451,738		0.0000	1.0000	100.00
3.5	22,451,738		0.0000	1.0000	100.00
4.5	22,451,738		0.0000	1.0000	100.00
5.5	22,156,264		0.0000	1.0000	100.00
6.5	22,156,264		0.0000	1.0000	100.00
7.5	22,156,264		0.0000	1.0000	100.00
8.5	22,156,264		0.0000	1.0000	100.00
9.5	22,156,264		0.0000	1.0000	100.00
10.5	22,156,264		0.0000	1.0000	100.00
11.5	22,156,264		0.0000	1.0000	100.00
12.5	6,815,749		0.0000	1.0000	100.00
13.5	6,815,749		0.0000	1.0000	100.00
14.5	6,815,749		0.0000	1.0000	100.00
15.5	6,815,749		0.0000	1.0000	100.00
16.5	6,764,780		0.0000	1.0000	100.00
17.5	6,764,780		0.0000	1.0000	100.00
18.5	6,764,780		0.0000	1.0000	100.00
19.5	6,764,780		0.0000	1.0000	100.00
20.5	6,764,780		0.0000	1.0000	100.00
21.5	6,764,780		0.0000	1.0000	100.00
22.5	6,764,780		0.0000	1.0000	100.00
23.5	6,764,780		0.0000	1.0000	100.00
24.5	6,764,780		0.0000	1.0000	100.00
25.5	6,764,780		0.0000	1.0000	100.00
26.5	6,764,780		0.0000	1.0000	100.00
27.5	6,764,780		0.0000	1.0000	100.00
28.5	6,764,780		0.0000	1.0000	100.00
29.5	6,764,780		0.0000	1.0000	100.00
30.5	6,759,713		0.0000	1.0000	100.00
31.5	6,759,713		0.0000	1.0000	100.00
32.5	4,998,878		0.0000	1.0000	100.00
33.5	4,998,878		0.0000	1.0000	100.00
34.5	4,998,878		0.0000	1.0000	100.00
35.5	4,976,785		0.0000	1.0000	100.00
36.5	3,053,361		0.0000	1.0000	100.00
37.5	3,053,361		0.0000	1.0000	100.00
38.5	3,053,361		0.0000	1.0000	100.00

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

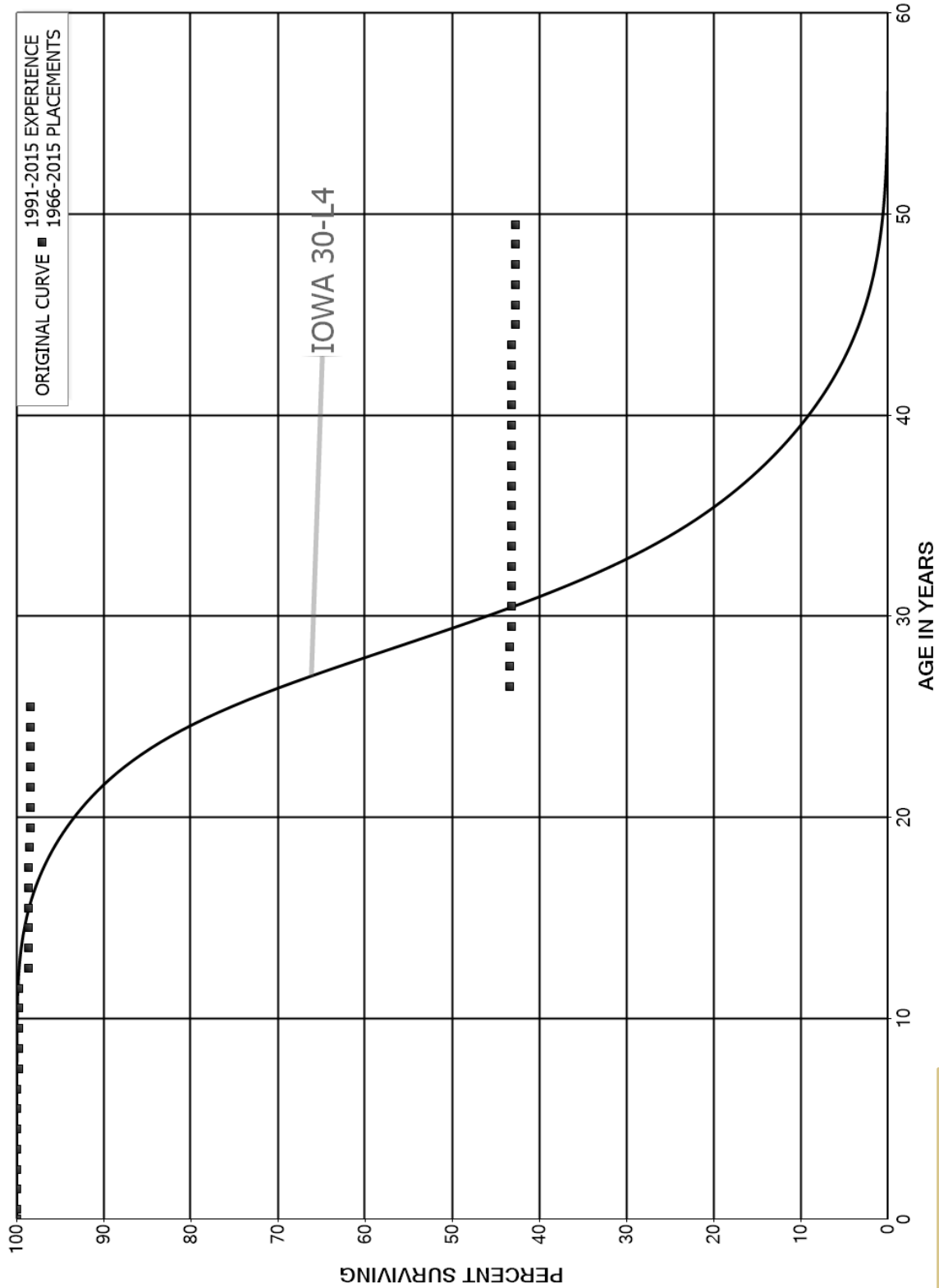
ACCOUNT W01 - WATER REGULATING STRUCTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2010			EXPERIENCE BAND 1966-2015		
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	3,053,361		0.0000	1.0000	100.00
40.5	3,053,361		0.0000	1.0000	100.00
41.5	3,053,361		0.0000	1.0000	100.00
42.5	3,053,361		0.0000	1.0000	100.00
43.5	3,053,361		0.0000	1.0000	100.00
44.5	3,053,361		0.0000	1.0000	100.00
45.5	3,053,361		0.0000	1.0000	100.00
46.5	3,053,361		0.0000	1.0000	100.00
47.5	3,053,361		0.0000	1.0000	100.00
48.5	781,461		0.0000	1.0000	100.00
49.5					100.00

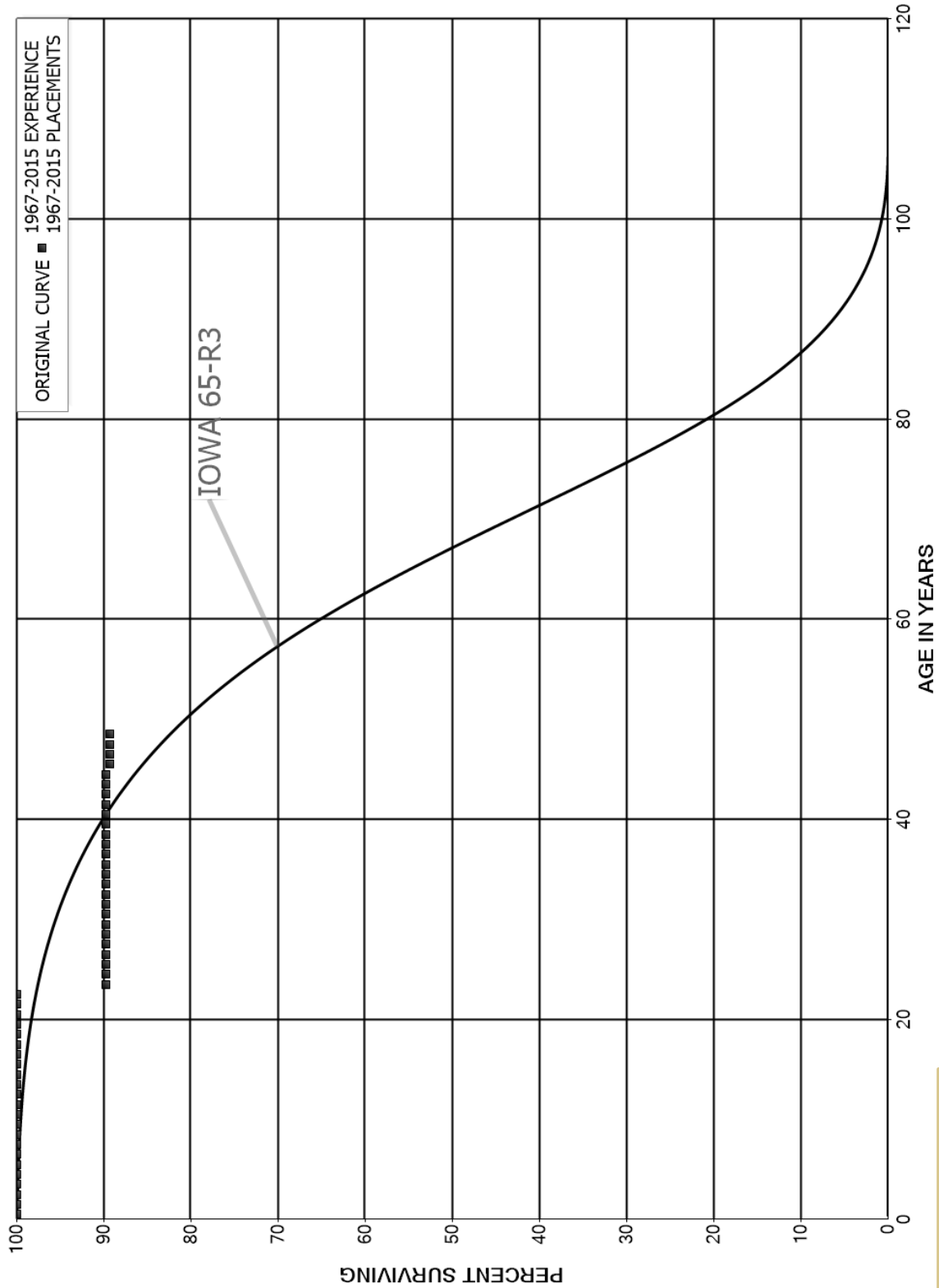
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT W02 - WATER SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



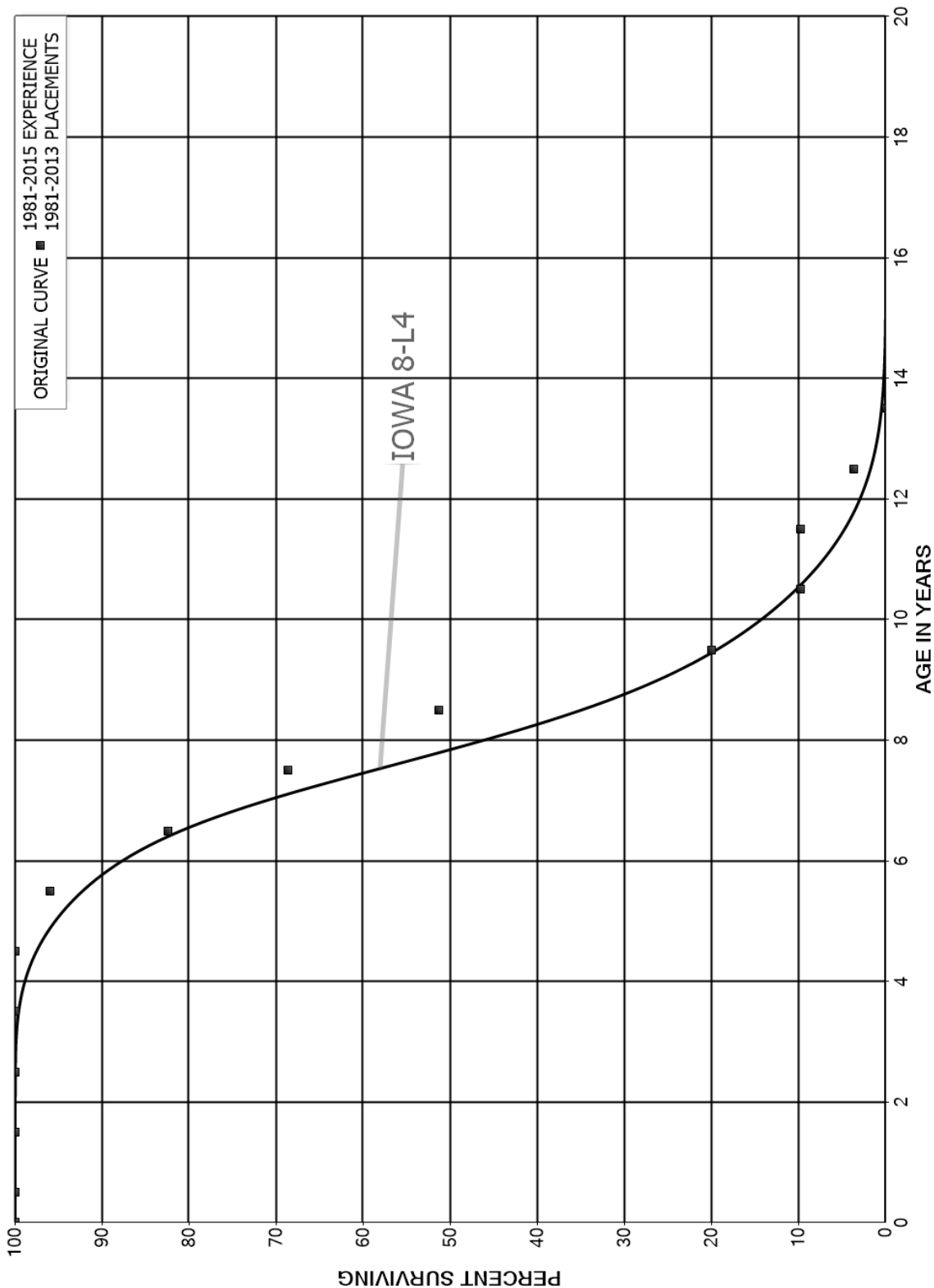
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V02 - VALVES - PENSTOCK
ORIGINAL AND SMOOTH SURVIVOR CURVES



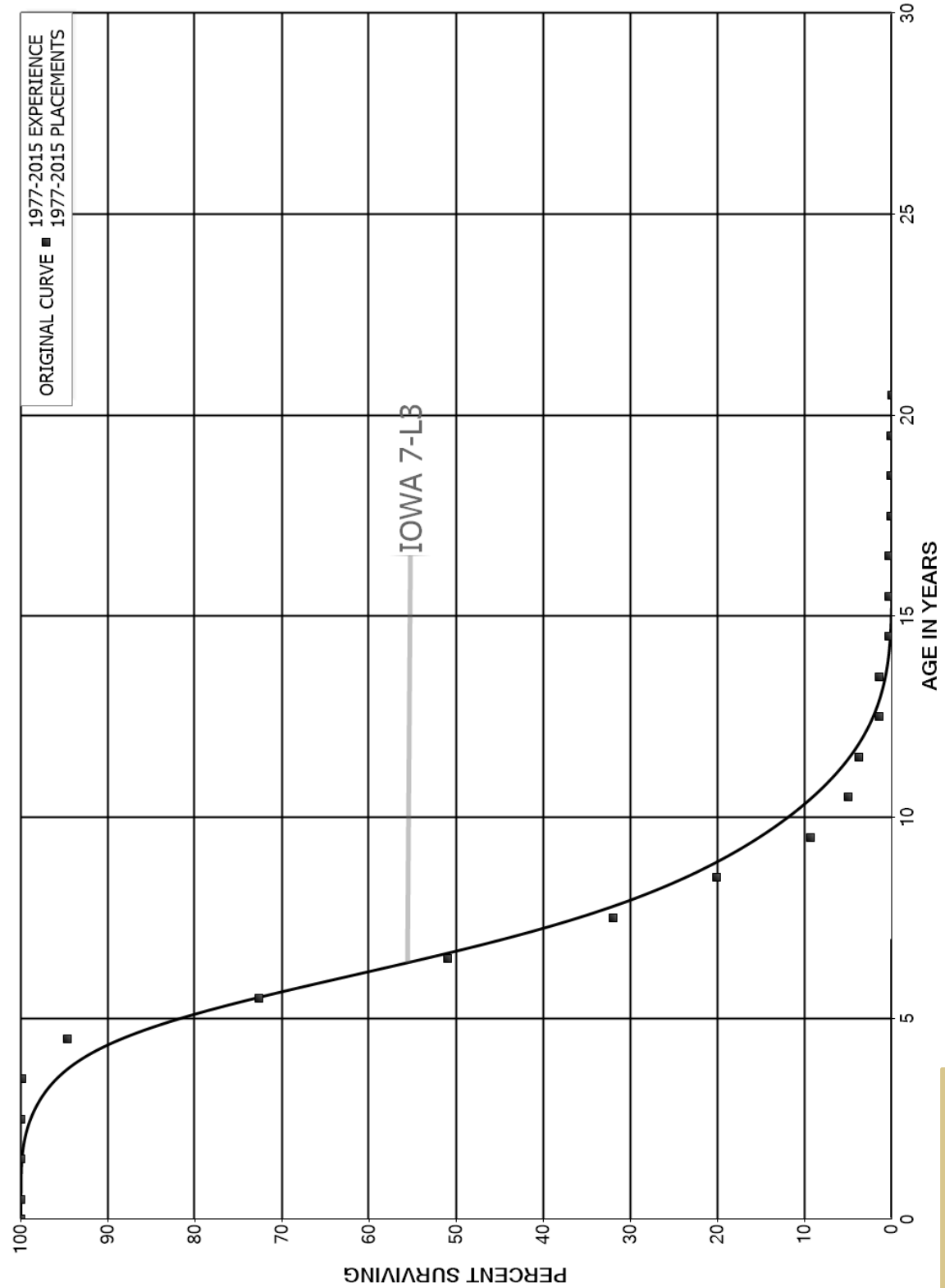
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V03 - VEHICLES - 1 TON
ORIGINAL AND SMOOTH SURVIVOR CURVES



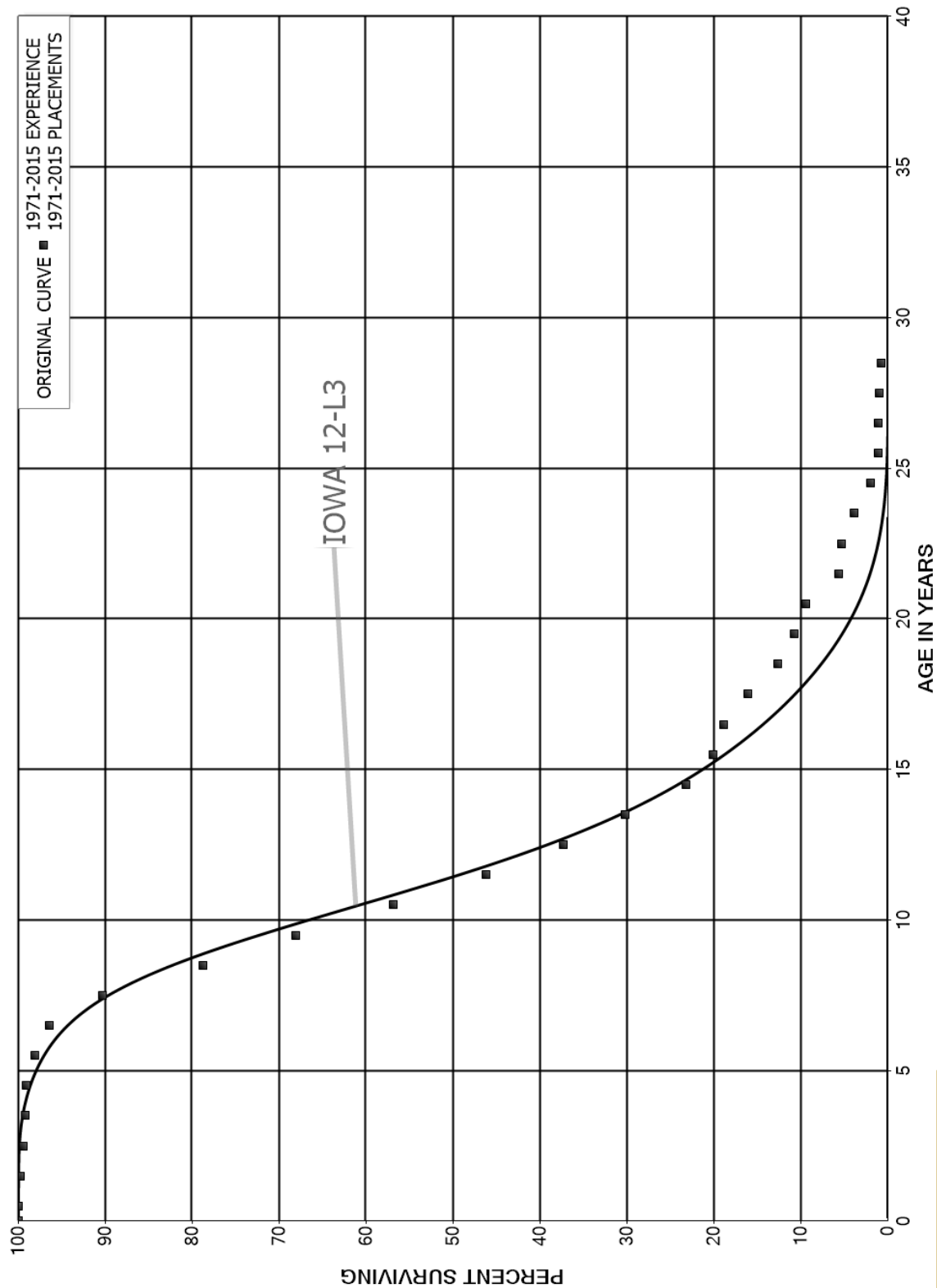
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V04 - VEHICLES - 3/4 TON AND UNDER
ORIGINAL AND SMOOTH SURVIVOR CURVES



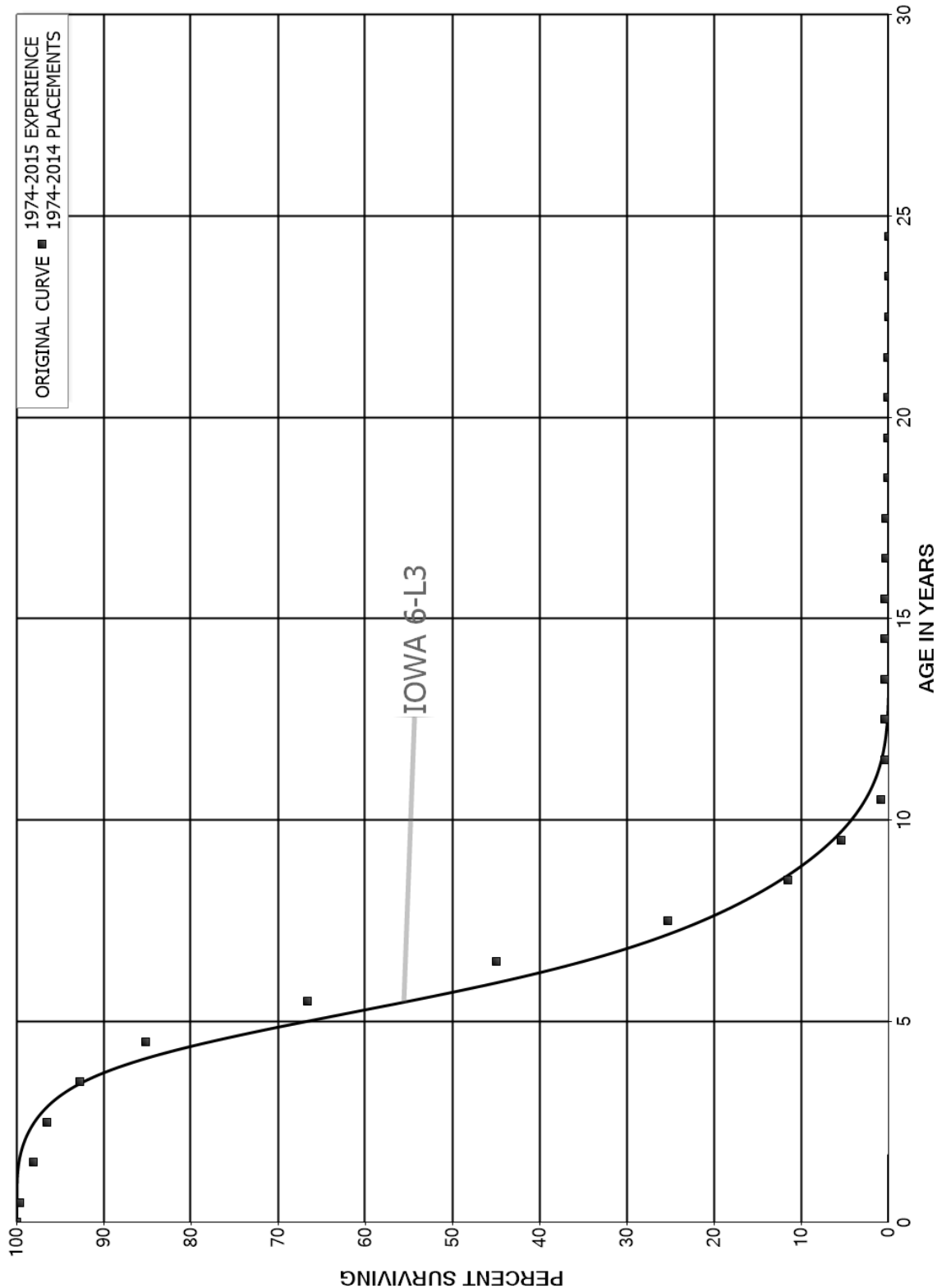
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V05 - VEHICLES - BOOMS/BODIES/CRANES/CAB/CHASSIS
ORIGINAL AND SMOOTH SURVIVOR CURVES



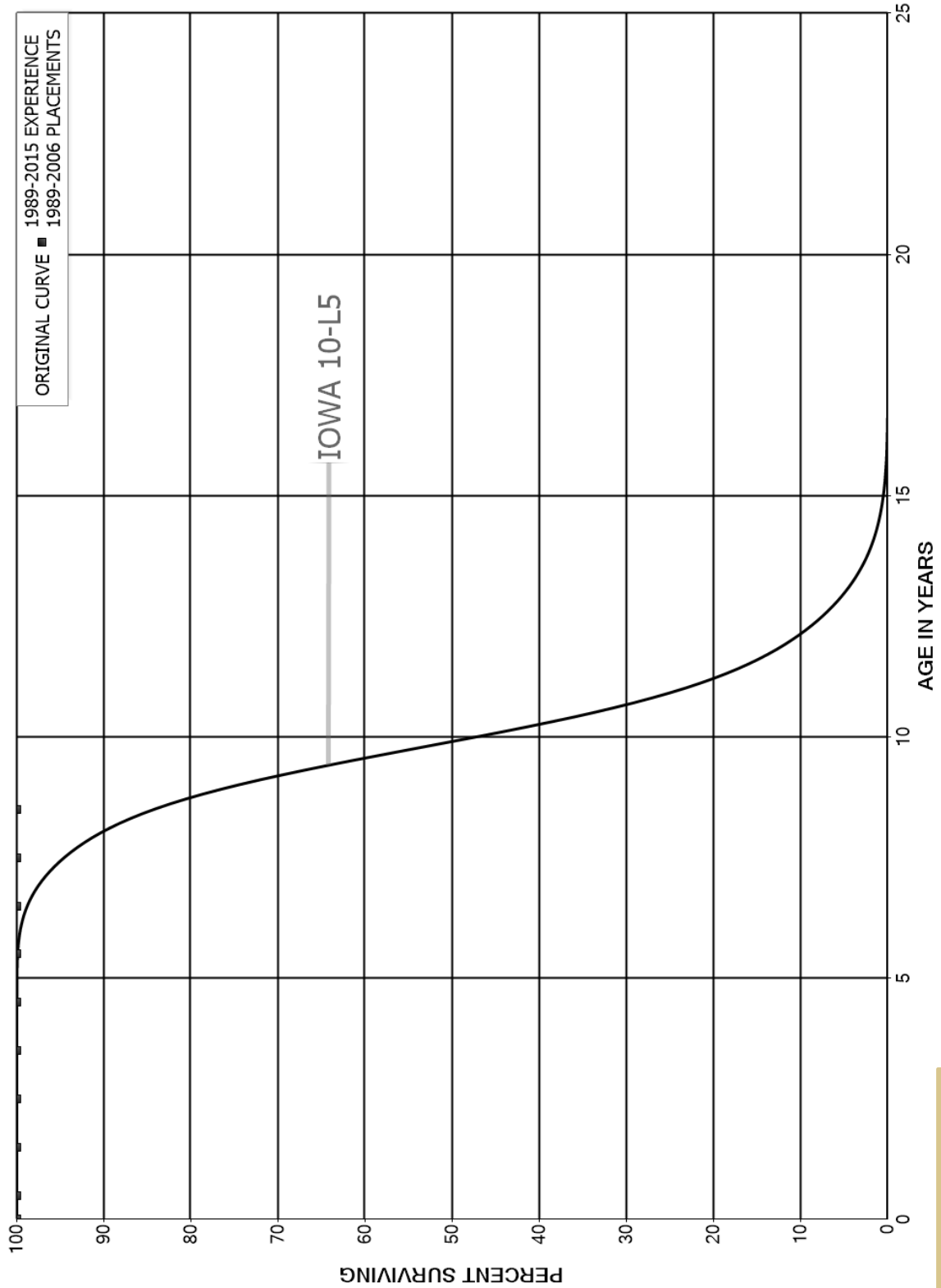
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V06 - VEHICLES - CARS, STATION WAGONS AND VANS
ORIGINAL AND SMOOTH SURVIVOR CURVES



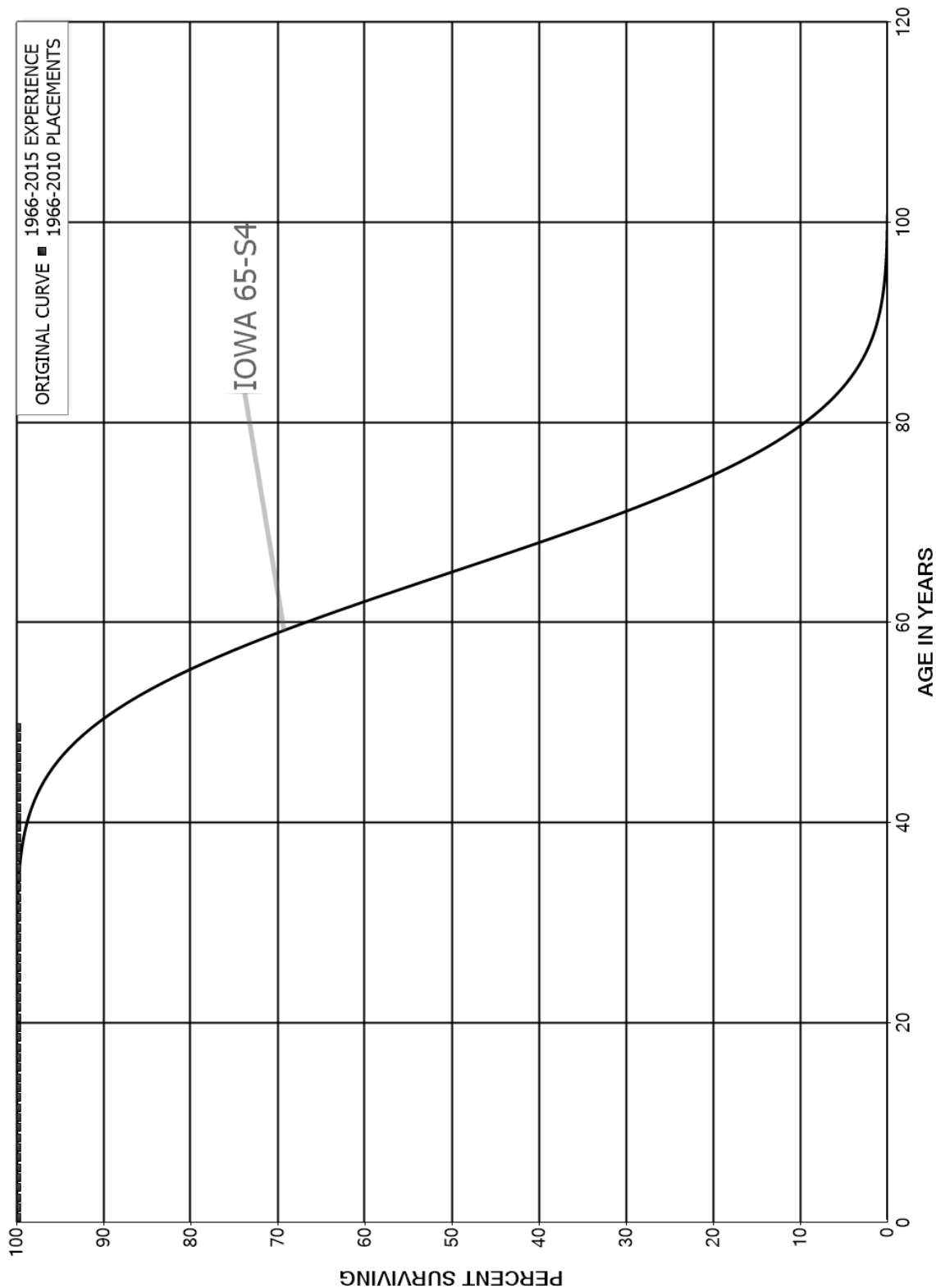
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT V07 - VEHICLES - DUMP TRUCKS
ORIGINAL AND SMOOTH SURVIVOR CURVES



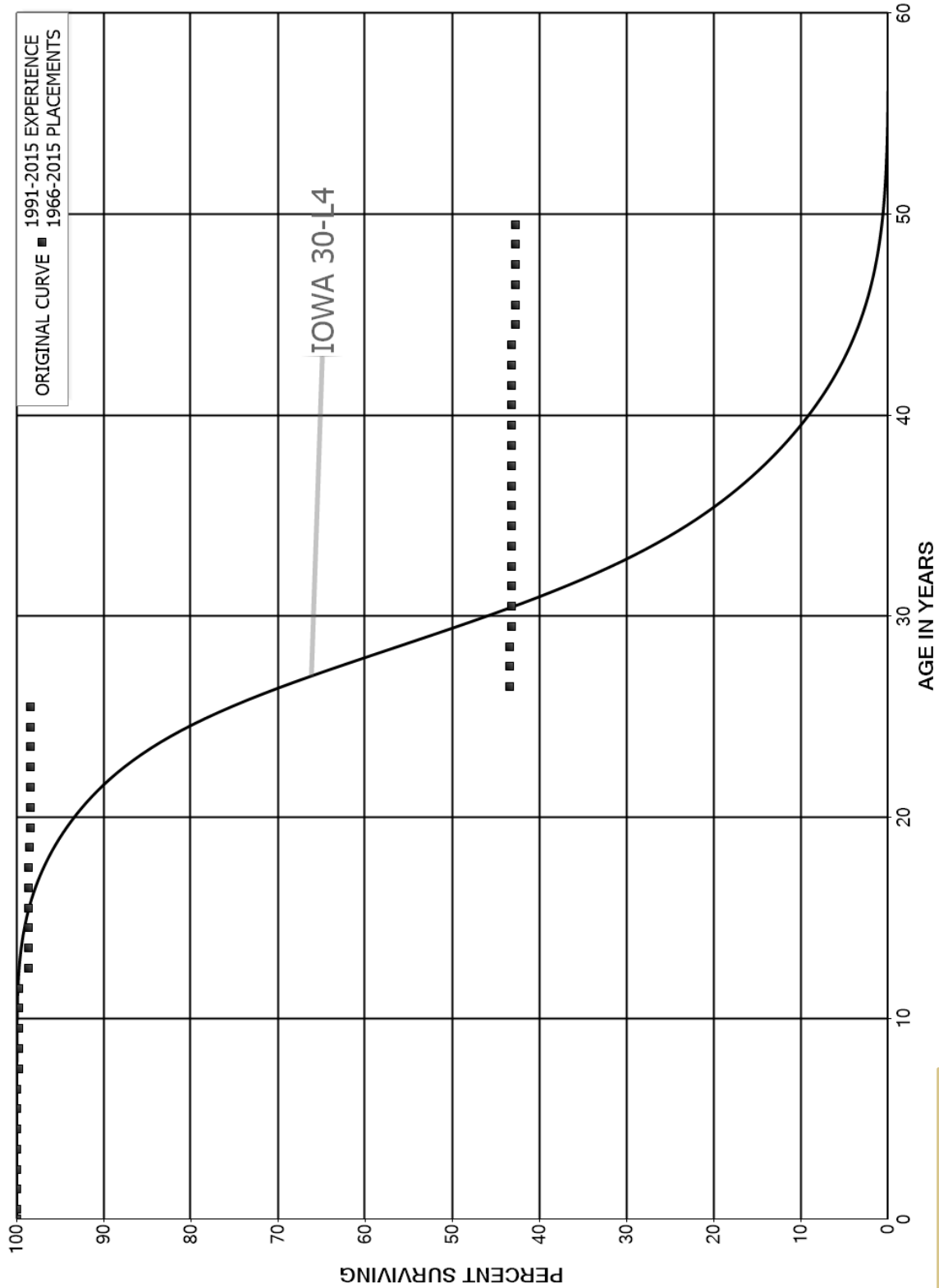
NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT W01 - WATER REGULATING STRUCTURES
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT W02 - WATER SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



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NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT W02 - WATER SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1991-2015		
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	2,324,846		0.0000	1.0000	100.00
0.5	2,124,283		0.0000	1.0000	100.00
1.5	2,259,981		0.0000	1.0000	100.00
2.5	2,084,208		0.0000	1.0000	100.00
3.5	2,124,231		0.0000	1.0000	100.00
4.5	2,125,340		0.0000	1.0000	100.00
5.5	2,454,829		0.0000	1.0000	100.00
6.5	2,457,165	7,626	0.0031	0.9969	100.00
7.5	2,395,303		0.0000	1.0000	99.69
8.5	3,784,905		0.0000	1.0000	99.69
9.5	3,776,339		0.0000	1.0000	99.69
10.5	3,752,978		0.0000	1.0000	99.69
11.5	3,919,163	40,451	0.0103	0.9897	99.69
12.5	2,688,795		0.0000	1.0000	98.66
13.5	2,721,048		0.0000	1.0000	98.66
14.5	2,734,055		0.0000	1.0000	98.66
15.5	2,734,055		0.0000	1.0000	98.66
16.5	2,715,938		0.0000	1.0000	98.66
17.5	2,715,938	5,586	0.0021	0.9979	98.66
18.5	2,710,352	2,336	0.0009	0.9991	98.46
19.5	2,678,403		0.0000	1.0000	98.37
20.5	2,544,238		0.0000	1.0000	98.37
21.5	2,575,860		0.0000	1.0000	98.37
22.5	2,565,367		0.0000	1.0000	98.37
23.5	2,484,432		0.0000	1.0000	98.37
24.5	2,492,740		0.0000	1.0000	98.37
25.5	2,447,836	1,367,535	0.5587	0.4413	98.37
26.5	944,603		0.0000	1.0000	43.41
27.5	851,259		0.0000	1.0000	43.41
28.5	811,236	3,483	0.0043	0.9957	43.41
29.5	797,394		0.0000	1.0000	43.23
30.5	470,655		0.0000	1.0000	43.23
31.5	470,655		0.0000	1.0000	43.23
32.5	470,655		0.0000	1.0000	43.23
33.5	398,413		0.0000	1.0000	43.23
34.5	381,761		0.0000	1.0000	43.23
35.5	366,294		0.0000	1.0000	43.23
36.5	200,109		0.0000	1.0000	43.23
37.5	147,452		0.0000	1.0000	43.23
38.5	115,200		0.0000	1.0000	43.23

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

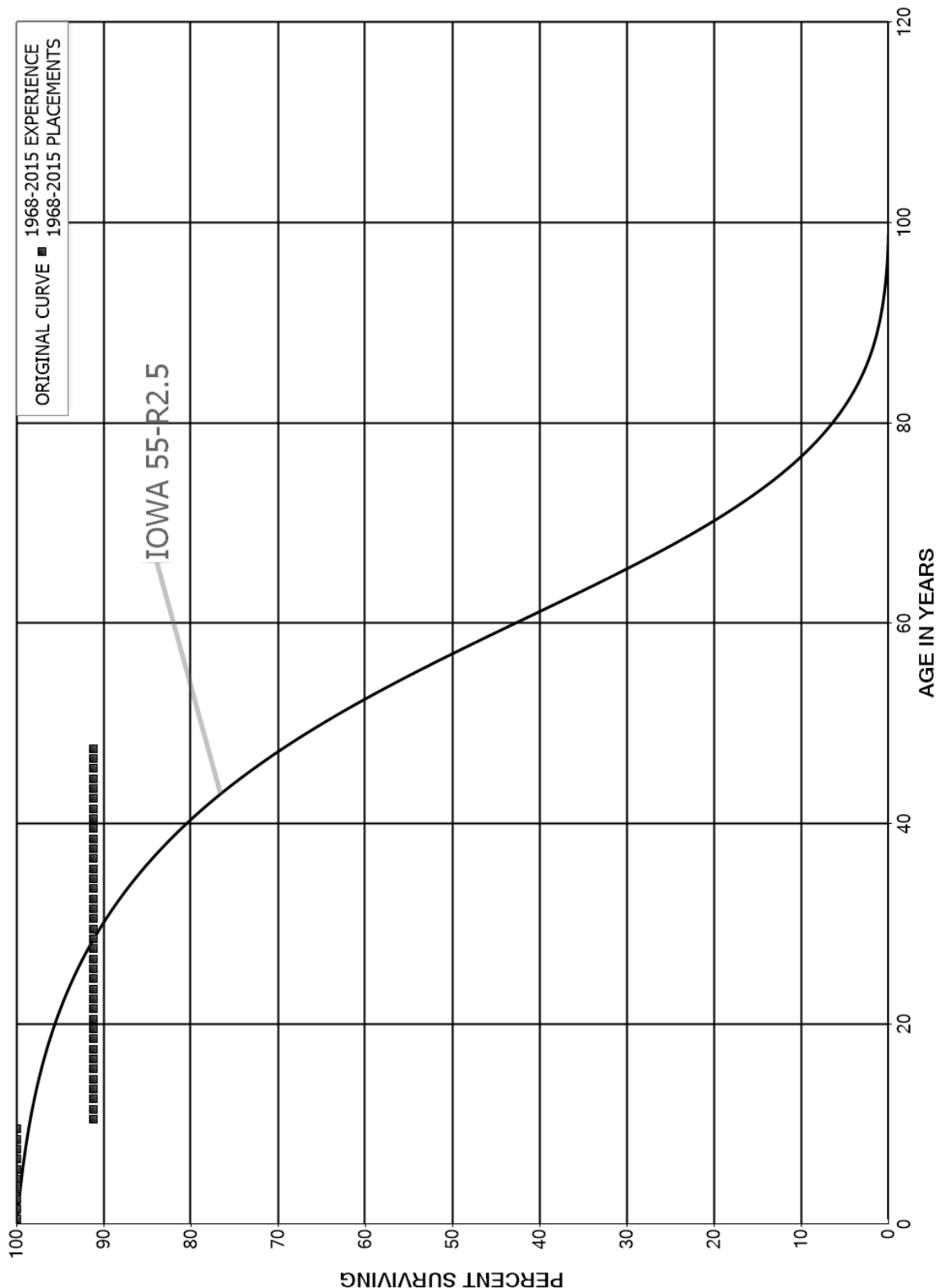
ACCOUNT W02 - WATER SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1966-2015			EXPERIENCE BAND 1991-2015		
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	102,192		0.0000	1.0000	43.23
40.5	102,192		0.0000	1.0000	43.23
41.5	102,192		0.0000	1.0000	43.23
42.5	102,192		0.0000	1.0000	43.23
43.5	102,192	1,101	0.0108	0.9892	43.23
44.5	91,345		0.0000	1.0000	42.76
45.5	85,567		0.0000	1.0000	42.76
46.5	53,945		0.0000	1.0000	42.76
47.5	46,655		0.0000	1.0000	42.76
48.5	36,616		0.0000	1.0000	42.76
49.5					42.76

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT W03 - WATER SYSTEMS - FEED
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT W03 - WATER SYSTEMS - FEED

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	9,917,971		0.0000	1.0000	100.00
0.5	6,675,751		0.0000	1.0000	100.00
1.5	6,580,151		0.0000	1.0000	100.00
2.5	6,409,265		0.0000	1.0000	100.00
3.5	6,409,265		0.0000	1.0000	100.00
4.5	6,409,265		0.0000	1.0000	100.00
5.5	6,409,265		0.0000	1.0000	100.00
6.5	6,409,265		0.0000	1.0000	100.00
7.5	6,409,265		0.0000	1.0000	100.00
8.5	6,409,265		0.0000	1.0000	100.00
9.5	6,409,265	564,259	0.0880	0.9120	100.00
10.5	5,845,006		0.0000	1.0000	91.20
11.5	5,845,006		0.0000	1.0000	91.20
12.5	5,845,006		0.0000	1.0000	91.20
13.5	5,845,006		0.0000	1.0000	91.20
14.5	5,845,006		0.0000	1.0000	91.20
15.5	5,845,006		0.0000	1.0000	91.20
16.5	5,845,006	3,817	0.0007	0.9993	91.20
17.5	5,841,189		0.0000	1.0000	91.14
18.5	5,841,189		0.0000	1.0000	91.14
19.5	5,841,189		0.0000	1.0000	91.14
20.5	5,841,189		0.0000	1.0000	91.14
21.5	5,841,189		0.0000	1.0000	91.14
22.5	5,841,189		0.0000	1.0000	91.14
23.5	5,841,189		0.0000	1.0000	91.14
24.5	5,841,189		0.0000	1.0000	91.14
25.5	5,841,189		0.0000	1.0000	91.14
26.5	5,841,189		0.0000	1.0000	91.14
27.5	5,841,189		0.0000	1.0000	91.14
28.5	5,841,189		0.0000	1.0000	91.14
29.5	5,841,189		0.0000	1.0000	91.14
30.5	5,841,189		0.0000	1.0000	91.14
31.5	5,841,189		0.0000	1.0000	91.14
32.5	5,841,189		0.0000	1.0000	91.14
33.5	5,841,189		0.0000	1.0000	91.14
34.5	5,841,189		0.0000	1.0000	91.14
35.5	3,169,983		0.0000	1.0000	91.14
36.5	2,062,600		0.0000	1.0000	91.14
37.5	2,062,600		0.0000	1.0000	91.14
38.5	2,062,600		0.0000	1.0000	91.14

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

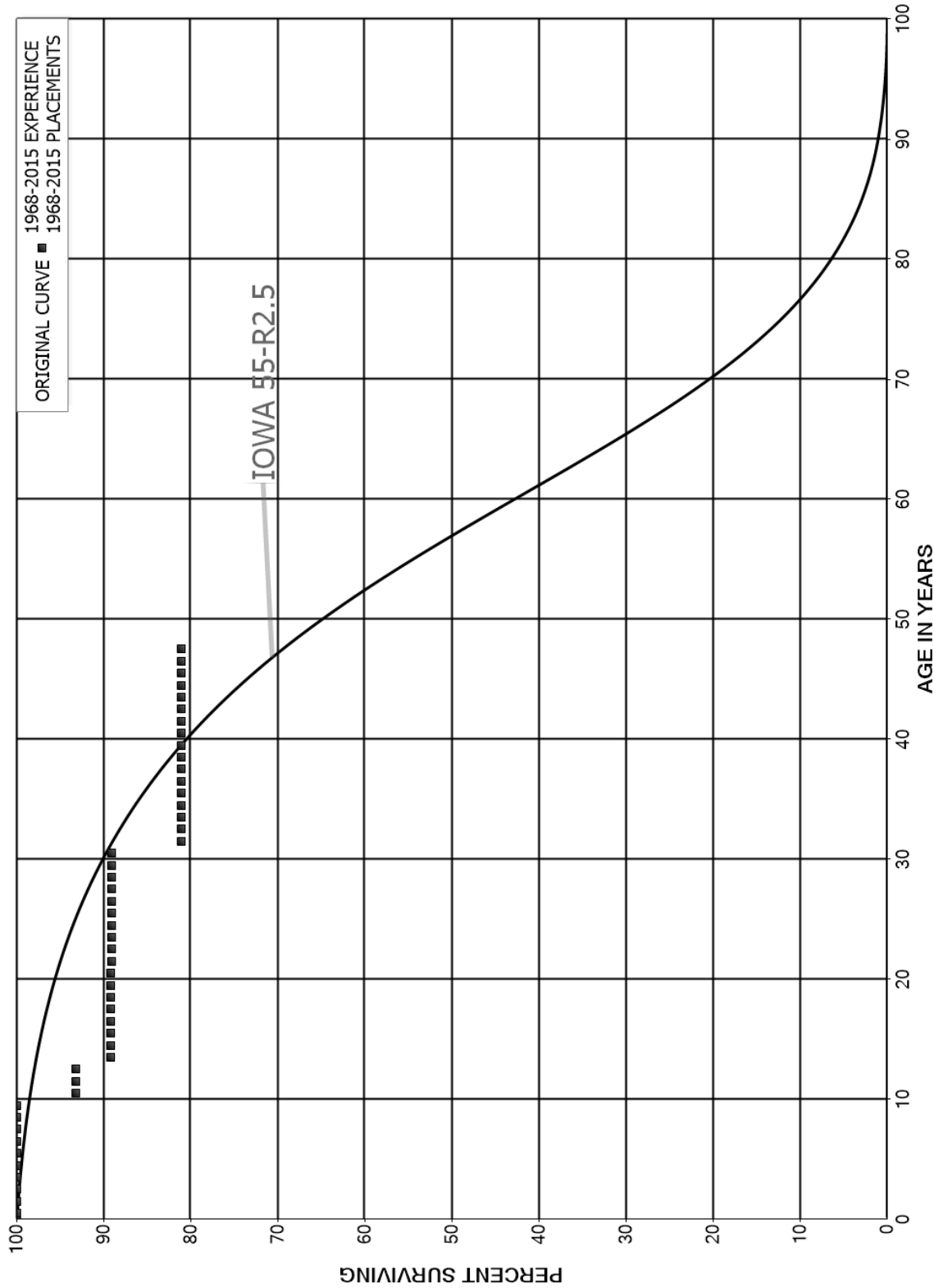
ACCOUNT W03 - WATER SYSTEMS - FEED

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	2,062,600		0.0000	1.0000	91.14
40.5	2,062,600		0.0000	1.0000	91.14
41.5	2,062,600		0.0000	1.0000	91.14
42.5	2,062,600		0.0000	1.0000	91.14
43.5	2,062,600		0.0000	1.0000	91.14
44.5	329,755		0.0000	1.0000	91.14
45.5	329,755		0.0000	1.0000	91.14
46.5	329,755		0.0000	1.0000	91.14
47.5					91.14

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO
ACCOUNT W04 - WATER TREATMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT W04 - WATER TREATMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	16,019,602		0.0000	1.0000	100.00
0.5	11,859,599		0.0000	1.0000	100.00
1.5	11,859,599		0.0000	1.0000	100.00
2.5	11,542,239		0.0000	1.0000	100.00
3.5	10,882,444		0.0000	1.0000	100.00
4.5	9,464,291		0.0000	1.0000	100.00
5.5	9,464,291		0.0000	1.0000	100.00
6.5	9,464,291		0.0000	1.0000	100.00
7.5	9,464,291		0.0000	1.0000	100.00
8.5	9,464,291		0.0000	1.0000	100.00
9.5	9,464,291	642,386	0.0679	0.9321	100.00
10.5	8,821,905		0.0000	1.0000	93.21
11.5	8,821,905		0.0000	1.0000	93.21
12.5	8,821,905	380,586	0.0431	0.9569	93.21
13.5	8,441,318		0.0000	1.0000	89.19
14.5	8,441,318		0.0000	1.0000	89.19
15.5	8,441,318		0.0000	1.0000	89.19
16.5	8,441,318		0.0000	1.0000	89.19
17.5	8,441,318		0.0000	1.0000	89.19
18.5	6,032,194		0.0000	1.0000	89.19
19.5	5,807,399		0.0000	1.0000	89.19
20.5	5,792,685	8,799	0.0015	0.9985	89.19
21.5	5,783,887	563	0.0001	0.9999	89.06
22.5	5,783,324		0.0000	1.0000	89.05
23.5	5,783,324		0.0000	1.0000	89.05
24.5	3,102,160		0.0000	1.0000	89.05
25.5	3,087,023		0.0000	1.0000	89.05
26.5	3,087,023		0.0000	1.0000	89.05
27.5	3,029,481		0.0000	1.0000	89.05
28.5	3,029,481		0.0000	1.0000	89.05
29.5	3,029,481		0.0000	1.0000	89.05
30.5	3,029,481	272,733	0.0900	0.9100	89.05
31.5	2,756,748		0.0000	1.0000	81.03
32.5	2,737,925		0.0000	1.0000	81.03
33.5	2,737,925		0.0000	1.0000	81.03
34.5	2,737,925		0.0000	1.0000	81.03
35.5	2,115,562		0.0000	1.0000	81.03
36.5	2,110,464		0.0000	1.0000	81.03
37.5	2,110,464		0.0000	1.0000	81.03
38.5	2,110,464		0.0000	1.0000	81.03

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT W04 - WATER TREATMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2015			EXPERIENCE BAND 1968-2015		
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	2,110,464		0.0000	1.0000	81.03
40.5	2,110,464		0.0000	1.0000	81.03
41.5	2,110,464		0.0000	1.0000	81.03
42.5	2,110,464		0.0000	1.0000	81.03
43.5	2,110,464		0.0000	1.0000	81.03
44.5	1,905,927		0.0000	1.0000	81.03
45.5	1,905,927		0.0000	1.0000	81.03
46.5	65,708		0.0000	1.0000	81.03
47.5					81.03

PART VI. DEPRECIATION CALCULATIONS

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT A01 - AIRCRAFT LANDING STRIP

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 33-R2						
NET SALVAGE PERCENT.. -6						
1974	7,976.40	6,995	8,455			
1993	192,208.10	110,576	202,845	896	15.09	59
1994	194,620.58	107,774	197,704	8,594	15.76	545
2006	78,390.03	20,723	38,015	45,078	24.77	1,820
2015	2,302.95	54	99	2,342	22.02	106
	475,498.06	246,122	447,118	56,910		2,530
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 22.5 0.53						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT A04 - AUXILIARY POWER SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 30-R4						
NET SALVAGE PERCENT.. -3						
1956	85,469.97	88,034	88,034			
1966	283,631.50	292,140	292,140			
1970	12,000.00	12,327	12,360			
1974	5,049.52	5,045	5,201			
1978	2,000.00	1,930	2,060			
1979	99,773.88	95,368	102,767			
1980	135,560.00	128,271	139,092	535	2.44	219
1982	413,537.76	382,783	415,075	10,869	3.04	3,575
1983	43,498.13	39,755	43,109	1,694	3.38	501
1984	221,073.63	199,243	216,051	11,655	3.75	3,108
1988	165,905.06	138,300	149,967	20,915	5.72	3,656
1989	680,140.87	552,499	599,108	101,437	6.34	16,000
1992	63,724.33	47,280	51,269	14,367	8.39	1,712
1999	16,056.11	8,815	9,559	6,979	14.01	498
2000	164,084.55	85,011	92,183	76,824	14.91	5,153
2001	368,268.81	179,292	194,417	184,900	15.82	11,688
2003	448,397.32	189,511	205,498	256,351	17.69	14,491
2005	97,542.86	34,830	37,768	62,701	19.60	3,199
2010	336,595.37	63,330	68,673	278,020	24.52	11,338
2011	59,826.71	9,223	10,001	51,621	25.51	2,024
2012	213,015.53	25,523	27,676	191,730	26.51	7,232
2013	802,476.86	68,877	74,688	751,863	27.50	27,340
2015	1,337,310.13	24,518	26,586	1,350,843	27.67	48,820
	6,054,938.90	2,671,905	2,863,282	3,373,305		160,554
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 21.0						2.65

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B01 - BATTERY AND POWER SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 26-L1.5						
NET SALVAGE PERCENT.. -3						
1956	1,465.79	1,289	1,510			
1968	46,703.90	37,096	48,105			
1970	3,635.52	2,827	3,745			
1971	61,437.84	47,266	63,281			
1972	17,191.24	13,076	17,707			
1973	351.12	264	362			
1975	6,046.84	4,439	6,228			
1978	39,546.11	27,902	40,732			
1979	8,963.00	6,235	9,232			
1980	309,979.19	212,566	319,279			
1982	78,356.38	52,149	80,707			
1985	112,621.82	71,519	116,000			
1987	2,173.59	1,335	2,239			
1988	6,546.56	3,952	6,743			
1989	13,813.16	8,192	14,228			
1990	281,180.21	163,743	289,616			
1992	165,114.78	92,556	165,623	4,445	11.85	375
1994	25,099.57	13,493	24,145	1,708	12.43	137
1995	71,903.31	37,771	67,589	6,471	12.74	508
1996	182,381.97	93,493	167,300	20,553	13.06	1,574
1997	11,760.26	5,870	10,504	1,609	13.40	120
1998	189,198.12	91,665	164,029	30,845	13.77	2,240
1999	20,241.49	9,494	16,989	3,860	14.16	273
2000	184,734.09	83,503	149,423	40,853	14.59	2,800
2001	849,065.18	368,652	659,680	214,857	15.04	14,286
2002	6,611.36	2,742	4,907	1,903	15.53	123
2003	1,372,752.91	540,010	966,315	447,620	16.07	27,854
2004	425,839.87	157,735	282,257	156,358	16.65	9,391
2005	436,123.50	150,655	269,588	179,619	17.28	10,395
2006	400,764.27	127,807	228,703	184,084	17.95	10,255
2007	482,048.57	140,170	250,826	245,684	18.66	13,166
2008	358,693.69	93,786	167,824	201,631	19.40	10,393
2009	766,844.06	176,808	316,387	473,462	20.18	23,462
2010	559,022.38	110,950	198,538	377,255	20.99	17,973
2011	707,836.53	116,929	209,237	519,835	21.83	23,813
2012	1,212,344.62	158,012	282,753	965,962	22.71	42,535
2013	761,528.57	71,802	128,485	655,889	23.62	27,768
2014	380,909.69	21,728	38,881	353,456	24.56	14,392
2015	839,165.25	23,596	42,224	822,117	17.82	46,135
	11,399,996.31	3,343,077	5,831,921	5,910,076		299,968

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 19.7 2.63



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B02 - BOILER SYSTEM

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 40-R3						
NET SALVAGE PERCENT.. -8						
1968	14,985,641.26	14,088,601	16,184,493			
1971	795,588.25	726,269	859,235			
1979	2,040.12	1,660	2,082	121	9.86	12
1981	314,253.38	245,976	308,543	30,851	11.01	2,802
1982	68,031.30	52,130	65,390	8,084	11.62	696
1986	142,517.51	99,085	124,288	29,631	14.25	2,079
1987	29,961.22	20,264	25,418	6,940	14.95	464
1988	480,335.28	315,537	395,798	122,964	15.67	7,847
1989	4,309,160.53	2,745,797	3,444,223	1,209,670	16.40	73,760
1993	184,491.61	102,216	128,216	71,035	19.48	3,647
1996	19,423.10	9,476	11,886	9,091	21.93	415
1997	53,585.52	24,914	31,251	26,621	22.78	1,169
1999	92,545.14	38,755	48,613	51,336	24.49	2,096
2007	1,855,849.81	412,388	517,284	1,487,034	31.77	46,806
2014	542,621.76	21,537	27,015	559,016	38.53	14,509
	23,876,045.79	18,904,605	22,173,735	3,612,394		156,302
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 23.1 0.65						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B03 - BOOMS - TIMBER

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-R2						
NET SALVAGE PERCENT.. 0						
1966	38,209.00	38,209	38,209			
1970	1,982.00	1,962	1,275	707	0.25	707
1979	46,793.75	41,646	27,067	19,727	2.75	7,173
2014	37,008.66	1,998	1,299	35,710	23.65	1,510
2015	51,562.11	1,485	965	50,597	16.89	2,996
	175,555.52	85,300	68,815	106,740		12,386
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 8.6						7.06

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B04 - BRIDGES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 65-R4						
NET SALVAGE PERCENT.. -11						
1966	564,791.18	441,739	626,918			
1980	221,425.80	130,152	220,742	25,041	30.58	819
1983	26,746.98	14,488	24,572	5,117	33.28	154
1984	1,988,230.31	1,045,756	1,773,639	433,297	34.20	12,670
1992	629,308.12	249,858	423,768	274,764	41.75	6,581
1994	55,564.63	20,221	34,295	27,382	43.69	627
1996	36,386.80	12,030	20,403	19,986	45.64	438
1997	63,600.25	19,963	33,858	36,738	46.62	788
2003	312,030.06	66,392	112,603	233,750	52.54	4,449
2007	337,011.43	48,803	82,772	291,311	56.52	5,154
2011	19,193.98	1,472	2,497	18,809	60.51	311
	4,254,289.54	2,050,874	3,356,067	1,366,195		31,991
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						42.7 0.75

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B05 - BUILDINGS - OTHER

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R0.5						
NET SALVAGE PERCENT.. -3						
1967	321,303.14	183,276	330,942			
1968	1,704,287.55	954,946	1,755,416			
1969	102,525.34	56,412	105,601			
1970	122,471.07	66,125	126,145			
1971	49,280.73	26,090	50,759			
1972	63,651.61	33,043	65,561			
1973	277,231.53	140,947	285,548			
1974	25,512.63	12,703	26,278			
1975	904,839.77	440,829	915,239	16,746	26.35	636
1977	436,824.10	203,278	422,041	27,888	27.41	1,017
1978	16,205.52	7,364	15,289	1,403	27.94	50
1979	132,860.64	58,899	122,285	14,561	28.48	511
1980	607,564.93	262,582	545,167	80,625	29.02	2,778
1981	187,623.82	78,963	163,941	29,312	29.57	991
1982	894,510.05	366,327	760,560	160,785	30.12	5,338
1983	117,158.22	46,628	96,808	23,865	30.68	778
1984	251,476.43	97,185	201,773	57,248	31.24	1,833
1985	222,466.52	83,407	173,168	55,973	31.80	1,760
1986	500,259.66	181,786	377,420	137,847	32.36	4,260
1987	1,246,537.52	438,335	910,061	373,873	32.93	11,354
1988	254,576.87	86,478	179,544	82,670	33.51	2,467
1989	21,449,089.59	7,034,272	14,604,392	7,488,170	34.08	219,723
1990	1,708,283.45	539,824	1,120,770	638,762	34.66	18,429
1991	136,545.27	41,517	86,197	54,445	35.24	1,545
1992	223,784.38	65,369	135,718	94,780	35.82	2,646
1993	144,816.43	40,542	84,172	64,989	36.41	1,785
1994	493,681.26	132,208	274,487	234,005	37.00	6,324
1995	562,879.15	143,898	298,758	281,008	37.59	7,476
1996	1,063,005.55	258,833	537,383	557,513	38.18	14,602
1997	946,089.64	218,866	454,404	520,068	38.77	13,414
1998	60,623.02	13,288	27,588	34,854	39.36	886
1999	363,208.48	75,120	155,962	218,143	39.96	5,459
2000	536,570.67	104,344	216,637	336,031	40.56	8,285
2001	2,025,328.99	368,821	765,738	1,320,351	41.16	32,078
2002	39,901.19	6,773	14,062	27,036	41.76	647
2003	3,414,776.99	537,431	1,115,802	2,401,418	42.36	56,691
2004	667,419.28	96,792	200,957	486,485	42.96	11,324
2005	1,137,562.52	150,914	313,324	858,365	43.56	19,705
2006	4,506,177.04	541,183	1,123,592	3,517,770	44.17	79,642
2007	967,374.99	104,024	215,972	780,424	44.78	17,428
2008	839,316.47	79,879	165,843	698,653	45.38	15,396
2009	873,943.37	72,193	149,885	750,277	45.99	16,314
2010	6,581,913.04	459,641	954,296	5,825,074	46.61	124,975

Newfoundland and Labrador Hydro
2016 Depreciation Study

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B05 - BUILDINGS - OTHER

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R0.5						
NET SALVAGE PERCENT.. -3						
2011	3,558,651.72	203,797	423,119	3,242,292	47.22	68,664
2012	2,120,456.52	94,789	196,799	1,987,271	47.83	41,549
2013	1,748,268.28	55,822	115,896	1,684,820	48.45	34,774
2014	2,301,553.82	44,093	91,545	2,279,055	49.07	46,445
2015	2,266,372.60	56,492	117,287	2,217,077	20.12	110,193
	69,176,761.36	15,366,328	31,590,131	39,661,933		1,010,172
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						39.3 1.46

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B06 - BUILDINGS - METAL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R3						
NET SALVAGE PERCENT.. -3						
1965	496,680.62	387,037	511,581			
1966	284,920.26	219,088	293,468			
1967	796,275.99	603,789	820,164			
1968	1,348,322.58	1,007,485	1,388,772			
1969	1,344,302.45	989,125	1,384,632			
1970	147,186.08	106,617	151,602			
1971	700,196.43	498,812	721,202			
1975	551,697.72	365,435	544,365	23,884	19.63	1,217
1976	311,245.64	202,083	301,030	19,553	20.33	962
1977	113,072.12	71,911	107,121	9,343	21.04	444
1978	684,309.29	425,849	634,360	70,479	21.77	3,237
1979	247,825.70	150,836	224,691	30,569	22.50	1,359
1980	3,138,866.66	1,866,333	2,780,157	452,876	23.25	19,479
1981	584,160.14	339,019	505,015	96,670	24.01	4,026
1982	1,925,035.45	1,089,819	1,623,433	359,354	24.77	14,508
1983	1,399,100.34	771,623	1,149,437	291,636	25.55	11,414
1984	408,162.84	219,070	326,335	94,073	26.34	3,571
1985	87,197.01	45,495	67,771	22,042	27.14	812
1986	16,689.87	8,458	12,599	4,592	27.94	164
1987	284,222.63	139,668	208,054	84,695	28.76	2,945
1988	435,449.77	207,213	308,672	139,841	29.59	4,726
1989	146,934.65	67,637	100,755	50,588	30.42	1,663
1990	1,575,617.29	700,502	1,043,493	579,393	31.26	18,535
1991	1,490,557.45	638,950	951,803	583,471	32.11	18,171
1992	932,441.26	384,694	573,054	387,360	32.97	11,749
1993	491,155.09	194,631	289,929	215,961	33.84	6,382
1994	11,845.40	4,499	6,702	5,499	34.72	158
1995	103,615.40	37,645	56,077	50,647	35.60	1,423
1996	510,264.42	176,881	263,488	262,084	36.49	7,182
1998	176,530.51	55,210	82,243	99,583	38.30	2,600
2001	110,073.41	28,735	42,805	70,571	41.06	1,719
2002	780,974.95	190,282	283,451	520,953	41.99	12,407
2003	166,852.30	37,714	56,180	115,678	42.93	2,695
2004	50,241.99	10,472	15,599	36,150	43.87	824
2005	284,953.12	54,377	81,002	212,500	44.81	4,742
2007	49,389.10	7,659	11,409	39,462	46.72	845
2008	17,818.02	2,439	3,633	14,720	47.69	309
2009	75,434.91	8,970	13,362	64,336	48.65	1,322

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B06 - BUILDINGS - METAL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R3						
NET SALVAGE PERCENT.. -3						
2011	31,646.84	2,614	3,894	28,702	50.59	567
2014	889,193.02	24,646	36,714	879,155	53.52	16,427
2015	10,828,614.63	120,458	179,439	10,974,035	46.01	238,514
	34,029,073.35	12,463,780	18,159,493	16,890,453		417,098
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 40.5						1.23

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B07 - BUS DUCT GENERATOR

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 40-R4						
NET SALVAGE PERCENT.. -3						
1968	27,238.00	25,804	28,055			
1980	311,717.00	254,045	285,957	35,112	8.35	4,205
1988	120,878.46	80,710	90,848	33,657	14.07	2,392
2003	365,970.58	116,854	131,533	245,417	27.60	8,892
2015	630,303.53	8,635	9,720	639,493	37.09	17,242
	1,456,107.57	486,048	546,113	953,678		32,731
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 29.1						2.25

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B08 - BUSWORK AND HARDWARE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R4						
NET SALVAGE PERCENT.. -8						
1967	268,547.91	243,337	290,032			
1968	104,589.03	93,573	112,956			
1969	18,000.00	15,886	19,231	209	9.14	23
1970	521,630.42	453,618	549,137	14,224	9.74	1,460
1974	8,694.70	7,071	8,560	830	12.35	67
1975	68,040.25	54,319	65,757	7,726	13.04	592
1976	2,298.22	1,800	2,179	303	13.74	22
1977	238,137.96	182,810	221,304	35,885	14.46	2,482
1978	322,711.68	242,576	293,655	54,874	15.20	3,610
1979	155,744.87	114,547	138,667	29,537	15.95	1,852
1980	132,765.41	95,467	115,570	27,817	16.71	1,665
1981	212,209.10	149,017	180,396	48,790	17.49	2,790
1982	238,384.77	163,278	197,660	59,796	18.29	3,269
1983	166,412.59	111,070	134,458	45,268	19.10	2,370
1985	23,798.53	15,031	18,196	7,506	20.76	362
1986	84,174.63	51,618	62,487	28,422	21.61	1,315
1987	110,667.31	65,784	79,636	39,885	22.48	1,774
1988	22,543.64	12,972	15,704	8,643	23.36	370
1989	400,025.39	222,494	269,345	162,682	24.25	6,709
1990	150,841.82	80,966	98,015	64,894	25.15	2,580
1991	707,463.50	365,832	442,865	321,196	26.06	12,325
1992	555,332.55	276,129	334,274	265,485	26.98	9,840
1993	33,128.06	15,807	19,135	16,643	27.91	596
1994	149,377.90	68,242	82,612	78,716	28.85	2,728
1995	465,654.41	203,275	246,079	256,828	29.79	8,621
1996	98,866.85	41,109	49,765	57,011	30.75	1,854
1997	55,916.37	22,091	26,743	33,647	31.71	1,061
1998	326,389.45	122,177	147,904	204,597	32.67	6,263
2000	299,484.25	99,491	120,441	203,002	34.62	5,864
2002	48,570.45	14,079	17,044	35,412	36.58	968
2003	37,106.47	9,971	12,071	28,004	37.56	746
2004	112,224.95	27,755	33,599	87,604	38.55	2,272
2005	6,333.49	1,431	1,732	5,108	39.54	129
2009	33,674.74	4,721	5,715	30,654	43.51	705
2012	1,035,536.04	78,287	94,771	1,023,608	46.50	22,013
2014	46,222.92	1,498	1,814	48,107	48.50	992
2015	46,405.63	531	643	49,476	46.45	1,065
	7,307,906.26	3,729,660	4,510,152	3,382,387		111,354

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 30.4 1.52

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C01 - CABLES - TELECONTROL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 30-R4						
NET SALVAGE PERCENT.. -3						
1982	12,612.10	11,674	12,990			
1993	112,541.10	80,678	115,917			
1999	176,607.97	96,956	181,906			
2000	22,031.28	11,414	22,692			
2001	129,578.38	63,085	133,466			
2002	260,377.55	118,451	268,189			
2003	892,247.63	377,099	919,015			
2010	99,451.25	18,712	90,721	11,714	24.52	478
2012	923,499.09	110,654	536,484	414,720	26.51	15,644
2013	11,851.59	1,017	4,931	7,276	27.50	265
2015	2,541.47	47	228	2,390	27.67	86
	2,643,339.41	889,787	2,286,539	436,101		16,473
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 26.5						0.62

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C02 - CABLE - SUBMARINE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 45-R4						
NET SALVAGE PERCENT.. -14						
1975	475,796.93	433,444	501,133	41,276	9.04	4,566
1980	169,115.97	139,624	161,428	31,364	12.41	2,527
1982	123,400.69	97,348	112,550	28,127	13.86	2,029
1988	1,550,390.96	1,035,334	1,197,018	570,428	18.64	30,602
1989	2,453,451.52	1,585,554	1,833,163	963,772	19.49	49,450
1990	2,979,349.00	1,859,764	2,150,196	1,246,262	20.36	61,211
1999	922,348.37	381,339	440,891	610,586	28.68	21,290
2007	104,280.98	22,376	25,870	93,010	36.53	2,546
2008	42,294.63	8,014	9,266	38,950	37.52	1,038
2009	80,687.42	13,266	15,337	76,646	38.51	1,990
	8,901,116.47	5,576,063	6,446,852	3,700,420		177,249
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 20.9						1.99

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C03- CABLES - UNDERGROUND

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 60-S4						
NET SALVAGE PERCENT.. -14						
1967	67,835.10	59,069	68,848	8,484	14.17	599
1968	67,096.88	57,584	67,117	9,373	14.83	632
1970	135,075.57	112,307	130,899	23,087	16.24	1,422
1971	28,808.00	23,547	27,445	5,396	16.98	318
1972	12,861.35	10,324	12,033	2,629	17.75	148
1975	15,303.23	11,569	13,484	3,962	20.21	196
1976	3,697.85	2,735	3,188	1,028	21.07	49
1977	6,782.66	4,902	5,714	2,018	21.96	92
1978	85,112.12	60,060	70,003	27,025	22.86	1,182
1979	84,286.46	58,005	67,607	28,480	23.78	1,198
1980	62,069.93	41,619	48,509	22,251	24.71	900
1981	47,782.87	31,176	36,337	18,135	25.66	707
1982	99,352.11	63,011	73,442	39,819	26.62	1,496
1983	33,221.24	20,457	23,844	14,028	27.59	508
1987	44,595.82	24,132	28,127	22,712	31.52	721
1989	77,293.50	38,903	45,343	42,772	33.51	1,276
1990	80,930.60	39,211	45,702	46,559	34.50	1,350
1991	94,095.94	43,801	51,052	56,217	35.50	1,584
1992	52,174.86	23,296	27,153	32,326	36.50	886
1993	6,622.24	2,831	3,300	4,249	37.50	113
1995	166,037.71	64,672	75,378	113,905	39.50	2,884
1996	9,885.30	3,663	4,269	7,000	40.50	173
1998	22,326.20	7,424	8,653	16,799	42.50	395
2000	68,281.30	20,109	23,438	54,403	44.50	1,223
2001	17,652.00	4,863	5,668	14,455	45.50	318
2012	323,501.29	21,512	25,073	343,718	56.50	6,084
2013	109,168.13	5,186	6,045	118,407	57.50	2,059
2014	464,890.58	13,249	15,442	514,533	58.50	8,795
2015	550,805.10	5,400	6,294	621,623	57.64	10,785
	2,837,545.94	874,617	1,019,407	2,215,395		48,093
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 46.1 1.69						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C04 - CABLES - ABOVE GROUND

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 60-R4						
NET SALVAGE PERCENT.. -14						
1967	176,785.73	148,733	187,166	14,370	15.72	914
1968	631,767.69	523,114	658,290	61,925	16.42	3,771
1970	331,759.42	265,565	334,189	44,017	17.87	2,463
1971	193,228.00	151,956	191,222	29,058	18.61	1,561
1973	1,019.00	772	971	191	20.13	9
1974	55,053.53	40,889	51,455	11,306	20.91	541
1975	13,512.29	9,830	12,370	3,034	21.71	140
1976	18,193.77	12,960	16,309	4,432	22.51	197
1977	117,653.40	81,973	103,155	30,970	23.33	1,327
1978	526,233.47	358,342	450,940	148,966	24.16	6,166
1979	144,962.66	96,400	121,310	43,947	25.00	1,758
1980	1,157,039.66	750,750	944,748	374,277	25.85	14,479
1981	65,447.70	41,396	52,093	22,517	26.71	843
1982	272,572.07	167,848	211,221	99,511	27.59	3,607
1983	564,279.89	338,043	425,395	217,884	28.47	7,653
1984	26,779.68	15,590	19,619	10,910	29.36	372
1985	914,217.74	516,414	649,858	392,350	30.27	12,962
1986	84,189.34	46,100	58,013	37,963	31.18	1,218
1987	152,983.16	81,096	102,052	72,349	32.10	2,254
1988	117,705.66	60,316	75,902	58,282	33.03	1,765
1989	406,872.20	201,304	253,322	210,512	33.96	6,199
1990	289,793.00	138,201	173,913	156,451	34.90	4,483
1991	469,171.72	215,279	270,908	263,948	35.85	7,363
1992	382,068.34	168,417	211,937	223,621	36.80	6,077
1993	54,650.56	23,093	29,060	33,242	37.76	880
1994	671,843.79	271,642	341,836	424,066	38.72	10,952
1995	227,348.10	87,731	110,401	148,776	39.69	3,748
1996	93,595.81	34,392	43,279	63,420	40.66	1,560
1997	20,857.26	7,276	9,156	14,621	41.64	351
1998	290,277.41	95,857	120,627	210,289	42.62	4,934
1999	87,492.36	27,262	34,307	65,434	43.60	1,501
2000	117,716.09	34,488	43,400	90,796	44.58	2,037
2001	115,541.04	31,678	39,864	91,853	45.57	2,016
2002	34,593.27	8,834	11,117	28,319	46.56	608
2003	91,821.83	21,720	27,333	77,344	47.55	1,627
2005	114,623.60	22,802	28,694	101,977	49.53	2,059
2006	42,472.94	7,650	9,627	38,792	50.52	768
2010	60,549.31	6,316	7,948	61,078	54.51	1,120
2011	299,364.07	25,538	32,137	309,138	55.51	5,569

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C04 - CABLES - ABOVE GROUND

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 60-R4						
NET SALVAGE PERCENT.. -14						
2012	851,025.79	56,590	71,213	898,956	56.50	15,911
2013	162,111.78	7,701	9,691	175,116	57.50	3,045
2015	101,754.69	1,021	1,285	114,715	56.00	2,048
	10,550,928.82	5,202,879	6,547,333	5,480,726		148,856
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						36.8 1.41

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C06 - CAPACITORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R3						
NET SALVAGE PERCENT.. -3						
1966	44,470.98	42,704	28,601	17,204	2.37	7,259
1970	2,823.50	2,625	1,758	1,150	3.41	337
1971	260,900.32	240,473	161,054	107,673	3.68	29,259
1976	24,435.00	21,422	14,347	10,821	5.21	2,077
1980	73,112.99	60,611	40,594	34,712	6.83	5,082
1982	23,267.18	18,624	12,473	11,492	7.80	1,473
1987	83,725.72	59,923	40,133	46,104	10.68	4,317
1995	9,531.39	5,217	3,494	6,323	16.40	386
1996	315,830.49	165,441	110,802	214,503	17.20	12,471
2000	156,646.75	66,797	44,737	116,609	20.51	5,685
	994,744.32	683,837	457,993	566,594		68,346
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 8.3						6.87

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C07 - CHEMICAL FEED SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 45-R4						
NET SALVAGE PERCENT.. -6						
1968	50,551.82	47,000	53,585			
1969	244,559.50	225,071	259,233			
1971	72,184.00	64,918	76,358	157	6.82	23
1979	50,551.82	39,653	46,641	6,944	11.70	594
1980	49,318.00	37,860	44,532	7,745	12.41	624
1997	28,676.00	12,314	14,484	15,913	26.77	594
2014	13,291.22	470	553	13,536	43.50	311
	509,132.36	427,286	495,386	44,295		2,146
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 20.6 0.42						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C09 - CIRCUIT BREAKERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 60-R2.5						
NET SALVAGE PERCENT.. -8						
1965	425,666.49	311,538	349,668	110,052	19.34	5,690
1966	367,145.54	264,806	297,217	99,300	19.93	4,982
1967	1,042,097.33	740,185	830,779	294,686	20.54	14,347
1968	796,597.78	556,915	625,078	235,248	21.16	11,118
1969	111,883.17	76,951	86,369	34,465	21.79	1,582
1970	1,667,950.56	1,127,668	1,265,687	535,700	22.44	23,873
1971	447,005.29	296,983	333,332	149,434	23.09	6,472
1972	570,106.07	371,892	417,409	198,306	23.76	8,346
1974	143,276.68	89,981	100,994	53,745	25.11	2,140
1975	284,265.78	174,942	196,354	110,653	25.81	4,287
1976	46,322.66	27,924	31,342	18,686	26.51	705
1977	591,124.91	348,683	391,360	247,055	27.23	9,073
1978	368,036.29	212,321	238,308	159,171	27.95	5,695
1979	77,376.00	43,621	48,960	34,606	28.68	1,207
1980	752,547.60	414,235	464,935	347,816	29.42	11,822
1981	201,796.88	108,354	121,616	96,325	30.17	3,193
1982	1,010,144.64	528,754	593,470	497,486	30.92	16,089
1983	312,136.55	159,057	178,524	158,583	31.69	5,004
1985	39,560.00	19,055	21,387	21,338	33.24	642
1986	37,090.93	17,338	19,460	20,598	34.03	605
1987	74,384.82	33,714	37,840	42,496	34.82	1,220
1988	144,831.66	63,532	71,308	85,110	35.63	2,389
1989	584,900.94	248,047	278,406	353,287	36.44	9,695
1990	377,794.87	154,708	173,643	234,375	37.25	6,292
1991	105,091.04	41,464	46,539	66,959	38.08	1,758
1992	1,090,316.93	413,906	464,566	712,976	38.91	18,324
1993	272,449.19	99,358	111,519	182,726	39.74	4,598
1994	25,447.73	8,891	9,979	17,505	40.59	431
1995	829,497.24	277,115	311,032	584,825	41.44	14,113
1996	429,268.08	136,765	153,504	310,106	42.30	7,331
1997	193,557.82	58,672	65,853	143,189	43.16	3,318
1998	154,366.88	44,375	49,806	116,910	44.03	2,655
2000	264,854.19	67,792	76,089	209,954	45.78	4,586
2001	18,558.77	4,453	4,998	15,045	46.67	322
2002	421,478.53	94,376	105,927	349,270	47.56	7,344
2003	349,437.85	72,648	81,540	295,853	48.45	6,106
2004	80,483.15	15,429	17,317	69,605	49.35	1,410
2005	50,011.92	8,768	9,841	44,172	50.26	879
2006	186,607.14	29,660	33,290	168,246	51.17	3,288
2007	289,169.14	41,224	46,270	266,033	52.08	5,108
2008	295,465.76	37,230	41,787	277,316	53.00	5,232
2009	608,353.56	66,576	74,725	582,297	53.92	10,799
2010	473,265.53	43,870	49,239	461,888	54.85	8,421

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C09 - CIRCUIT BREAKERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 60-R2.5						
NET SALVAGE PERCENT.. -8						
2011	952,197.82	72,500	81,374	947,000	55.77	16,980
2012	3,317,849.11	196,471	220,518	3,362,759	56.71	59,297
2013	3,601,188.71	152,966	171,688	3,717,596	57.64	64,497
2014	1,864,738.64	47,669	53,503	1,960,415	58.58	33,466
2015	13,308,974.30	162,423	182,303	14,191,390	43.75	324,375
	39,656,672.47	8,585,805	9,636,653	33,192,554		761,106
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						43.6 1.92

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C10 - COMPRESSED AIR SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 41-R1.5						
NET SALVAGE PERCENT.. 0						
1966	36,402.01	27,843	36,402			
1967	134,088.28	101,351	134,088			
1968	20,339.00	15,185	20,339			
1969	41,026.75	30,230	41,027			
1970	6,003.88	4,364	6,004			
1971	115,324.40	82,668	115,324			
1974	96,150.08	65,781	95,714	436	12.95	34
1975	10,000.00	6,727	9,788	212	13.42	16
1976	41,950.85	27,729	40,347	1,604	13.90	115
1977	138,474.81	89,873	130,768	7,707	14.39	536
1978	62,390.47	39,717	57,790	4,600	14.90	309
1979	42,011.01	26,211	38,138	3,873	15.42	251
1980	227,569.20	138,983	202,225	25,344	15.96	1,588
1982	153,558.59	89,663	130,463	23,096	17.06	1,354
1983	56,543.78	32,230	46,896	9,648	17.63	547
1984	166,456.15	92,525	134,627	31,829	18.21	1,748
1987	36,205.07	18,526	26,956	9,249	20.02	462
1988	114,736.03	56,948	82,861	31,875	20.65	1,544
1989	75,207.79	36,155	52,607	22,601	21.29	1,062
1990	41,543.60	19,323	28,116	13,428	21.93	612
1991	35,627.98	15,998	23,278	12,350	22.59	547
1992	515,633.45	223,104	324,623	191,010	23.26	8,212
1993	44,089.54	18,356	26,709	17,381	23.93	726
1994	234,644.19	93,743	136,399	98,245	24.62	3,990
1995	129,037.60	49,380	71,849	57,189	25.31	2,260
1996	10,656.00	3,896	5,669	4,987	26.01	192
1997	28,531.93	9,937	14,459	14,073	26.72	527
1998	83,020.75	27,457	39,951	43,070	27.44	1,570
1999	164,358.52	51,472	74,893	89,466	28.16	3,177
2000	194,860.89	57,556	83,746	111,115	28.89	3,846
2001	147,959.05	41,032	59,703	88,256	29.63	2,979
2002	41,272.02	10,690	15,554	25,718	30.38	847
2003	199,999.97	48,146	70,054	129,946	31.13	4,174
2006	30,617.63	5,668	8,247	22,371	33.41	670
2007	245,404.91	40,762	59,310	186,095	34.19	5,443
2008	437,893.16	64,401	93,705	344,188	34.97	9,842
2009	168,689.23	21,601	31,430	137,259	35.75	3,839
2010	140,437.37	15,243	22,179	118,258	36.55	3,236
2011	594,575.25	53,078	77,230	517,345	37.34	13,855

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C10 - COMPRESSED AIR SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 41-R1.5						
NET SALVAGE PERCENT.. 0						
2013	1,517,053.33	75,853	110,368	1,406,685	38.95	36,115
2014	1,947,748.40	58,432	85,020	1,862,728	39.77	46,838
2015	8,138,617.43	172,539	251,050	7,887,568	23.03	342,491
	16,666,710.35	2,160,376	3,115,906	13,550,805		505,554
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 26.8						3.03

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C11 - COMPUTERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 5-SQUARE						
NET SALVAGE PERCENT.. 0						
2011	833,717.71	750,346	833,718			
2012	486,015.94	340,211	474,522	11,494	1.50	7,663
2013	507,503.04	253,752	353,930	153,573	2.50	61,429
2014	906,905.69	272,072	379,483	527,423	3.50	150,692
2015	2,165,632.80	216,563	302,060	1,863,573	4.50	414,127
	4,899,775.18	1,832,944	2,343,713	2,556,063		633,911
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.0						12.94

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C12 - CONDENSERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R3						
NET SALVAGE PERCENT.. -3						
1968	125,930.00	94,097	125,930	3,778	15.10	250
	125,930.00	94,097	125,930	3,778		250
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						15.1 0.20

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C13 - CONDUCTOR - TRANSMISSION

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 60-R3						
NET SALVAGE PERCENT.. -20						
1967	4,914,310.79	4,075,949	3,201,552	2,695,621	18.53	145,473
1968	2,408,871.94	1,966,593	1,544,708	1,345,938	19.18	70,174
1969	252,646.14	202,924	159,392	143,783	19.84	7,247
1970	773,190.55	610,669	479,665	448,164	20.51	21,851
1974	1,719,831.21	1,261,661	991,002	1,072,795	23.32	46,003
1976	115,943.00	81,647	64,132	75,000	24.79	3,025
1977	3,045,179.01	2,099,346	1,648,982	2,005,233	25.53	78,544
1978	4,925,086.90	3,320,474	2,608,146	3,301,958	26.29	125,597
1980	181,069.54	116,464	91,479	125,804	27.84	4,519
1981	4,162,701.19	2,611,662	2,051,393	2,943,848	28.63	102,824
1982	3,398,474.63	2,078,521	1,632,624	2,445,546	29.42	83,125
1983	5,998,197.19	3,571,351	2,805,204	4,392,633	30.23	145,307
1984	47,247.22	27,366	21,495	35,202	31.04	1,134
1985	5,404,348.91	3,041,568	2,389,073	4,096,146	31.86	128,567
1987	2,718,221.55	1,439,037	1,130,326	2,131,540	33.53	63,571
1988	1,473,940.83	755,247	593,227	1,175,502	34.38	34,191
1990	10,521,540.36	5,031,401	3,952,035	8,673,813	36.09	240,338
1991	86,132.87	39,690	31,175	72,184	36.96	1,953
1993	41,589.61	17,701	13,904	36,004	38.72	930
1994	60,822.38	24,803	19,482	53,505	39.61	1,351
1995	1,422,398.39	554,445	435,502	1,271,376	40.51	31,384
1996	1,224,020.27	455,086	357,458	1,111,366	41.41	26,838
1997	1,145,752.44	405,143	318,229	1,056,674	42.32	24,969
1998	1,573,598.67	527,464	414,309	1,474,009	43.24	34,089
1999	21,688.99	6,871	5,397	20,630	44.16	467
2000	3,007,366.22	897,410	704,893	2,903,946	45.08	64,418
2001	2,311,965.35	646,426	507,751	2,266,607	46.02	49,253
2002	2,594,819.36	676,719	531,545	2,582,238	46.96	54,988
2003	221,106.87	53,509	42,030	223,298	47.90	4,662
2004	434,397.16	96,869	76,088	445,189	48.85	9,113
2006	705,521.48	130,524	102,523	744,103	50.75	14,662
2009	111,767.05	14,217	11,167	122,953	53.64	2,292
2012	299,025.72	20,572	16,159	342,672	56.56	6,059
	67,322,773.79	36,859,329	28,952,047	51,835,281		1,628,918

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 31.8 2.42

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C14 - CONDUCTOR - DISTRIBUTION

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 45-R3						
NET SALVAGE PERCENT.. -14						
1971	3,753.07	3,392	4,073	205	9.32	22
1977	656.03	539	647	101	12.57	8
1980	680,075.68	526,164	631,829	143,457	14.46	9,921
1981	3,794,248.37	2,871,143	3,447,731	877,712	15.13	58,011
1982	324,313.18	239,824	287,986	81,731	15.81	5,170
1983	365,982.33	264,146	317,192	100,028	16.51	6,059
1984	869,595.49	611,983	734,883	256,456	17.22	14,893
1985	1,131,140.14	775,415	931,135	358,365	17.94	19,976
1986	665,165.55	443,515	532,583	225,706	18.68	12,083
1987	929,287.13	601,732	722,573	336,814	19.44	17,326
1988	912,838.30	573,505	688,677	351,959	20.20	17,424
1989	1,267,583.55	771,336	926,237	518,808	20.98	24,729
1990	810,770.90	477,131	572,949	351,330	21.77	16,138
1991	674,376.06	383,195	460,149	308,640	22.57	13,675
1992	209,024.16	114,483	137,474	100,814	23.38	4,312
1993	718,909.28	378,635	454,673	364,884	24.21	15,072
1994	531,275.33	268,644	322,594	283,060	25.04	11,304
1995	767,449.08	371,540	446,153	428,739	25.89	16,560
1996	736,198.70	340,558	408,950	430,317	26.74	16,093
1997	1,387,592.71	611,292	734,053	847,803	27.61	30,706
1998	529,319.58	221,390	265,850	337,574	28.49	11,849
1999	506,039.28	200,369	240,607	336,278	29.37	11,450
2000	690,169.14	257,541	309,261	477,532	30.27	15,776
2001	579,576.91	203,058	243,836	416,882	31.17	13,374
2002	3,846,551.26	1,258,997	1,511,831	2,873,237	32.08	89,565
2003	456,361.12	138,736	166,597	353,655	33.00	10,717
2004	302,078.96	84,715	101,728	242,642	33.93	7,151
2005	211,959.87	54,447	65,381	176,253	34.86	5,056
2006	836,237.51	194,685	233,782	719,529	35.81	20,093
2007	503,436.12	105,216	126,346	447,571	36.75	12,179
2008	513,342.62	94,804	113,843	471,368	37.71	12,500
2009	700,782.34	112,380	134,948	663,944	38.67	17,169
2010	257,354.34	35,010	42,041	251,343	39.63	6,342
2011	679,683.14	75,764	90,979	683,860	40.60	16,844
2012	1,516,047.71	131,731	158,186	1,570,108	41.57	37,770
2013	2,528,214.39	156,905	188,415	2,693,749	42.55	63,308
2014	1,708,712.98	63,639	76,419	1,871,514	43.53	42,994
2015	1,173,947.41	17,532	21,052	1,317,248	37.67	34,968
	34,320,049.72	14,035,091	16,853,643	22,271,213		738,587

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 30.2 2.15

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C15 - CONTROL, METER, RELAYING

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 40-R3						
NET SALVAGE PERCENT.. 0						
1966	36,520.98	32,339	36,521			
1967	2,199,495.92	1,931,707	2,199,496			
1968	187,202.31	162,960	187,202			
1969	15,677.96	13,522	15,678			
1970	533,801.11	456,000	533,801			
1974	120,963.38	98,615	115,780	5,183	7.39	701
1975	601,106.89	483,290	567,412	33,695	7.84	4,298
1976	15,568.70	12,334	14,481	1,088	8.31	131
1977	246,762.49	192,475	225,978	20,784	8.80	2,362
1978	373,655.09	286,593	336,478	37,177	9.32	3,989
1979	375,981.62	283,302	332,614	43,368	9.86	4,398
1980	455,216.20	336,632	395,227	59,989	10.42	5,757
1981	170,456.85	123,539	145,042	25,415	11.01	2,308
1982	658,589.68	467,269	548,603	109,987	11.62	9,465
1983	388,062.45	269,218	316,078	71,984	12.25	5,876
1984	100,532.36	68,136	79,996	20,536	12.89	1,593
1985	252,442.18	166,864	195,909	56,533	13.56	4,169
1986	359,520.68	231,441	271,726	87,795	14.25	6,161
1987	368,451.36	230,743	270,906	97,545	14.95	6,525
1988	280,161.31	170,408	200,069	80,092	15.67	5,111
1989	472,543.72	278,801	327,330	145,214	16.40	8,855
1990	855,124.00	488,490	573,517	281,607	17.15	16,420
1991	317,765.84	175,486	206,031	111,735	17.91	6,239
1992	1,264,624.68	673,729	790,999	473,626	18.69	25,341
1993	186,436.87	95,642	112,290	74,147	19.48	3,806
1994	598,119.58	294,723	346,023	252,097	20.29	12,425
1995	1,065,976.45	503,674	591,344	474,632	21.10	22,494
1996	404,758.31	182,850	214,677	190,081	21.93	8,668
1997	565,586.88	243,485	285,866	279,721	22.78	12,279
1998	730,947.18	299,140	351,209	379,738	23.63	16,070
1999	530,389.44	205,659	241,456	288,933	24.49	11,798
2000	822,908.39	300,979	353,368	469,540	25.37	18,508
2001	950,459.04	326,483	383,311	567,148	26.26	21,597
2002	239,056.24	76,797	90,165	148,891	27.15	5,484
2003	446,753.60	133,356	156,568	290,186	28.06	10,342
2004	445,632.59	122,772	144,142	301,491	28.98	10,403
2005	427,141.09	107,853	126,626	300,515	29.90	10,051
2006	409,537.22	93,886	110,228	299,309	30.83	9,708
2007	82,358.78	16,945	19,895	62,464	31.77	1,966
2008	223,078.36	40,600	47,667	175,411	32.72	5,361
2009	894,285.65	141,297	165,891	728,395	33.68	21,627
2010	539,700.35	72,320	84,908	454,792	34.64	13,129
2011	412,886.73	45,418	53,324	359,563	35.60	10,100

Newfoundland and Labrador Hydro
2016 Depreciation Study

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C15 - CONTROL, METER, RELAYING

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 40-R3						
NET SALVAGE PERCENT.. 0						
2012	1,129,269.89	96,835	113,690	1,015,580	36.57	27,771
2013	601,208.05	36,824	43,234	557,974	37.55	14,859
2014	700,071.44	25,728	30,206	669,865	38.53	17,386
2015	6,588,417.68	97,509	114,482	6,473,936	33.40	193,830
	29,645,207.57	11,194,668	13,067,444	16,577,763		599,361
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 27.7						2.02

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C16 - COOLING SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 40-R1.5						
NET SALVAGE PERCENT.. -3						
1965	49,714.69	40,171	51,206			
1966	135,606.99	108,353	139,675			
1968	3,234.56	2,524	3,332			
1969	49,140.60	37,860	50,615			
1971	36,015.66	27,006	37,096			
1973	19,339.13	14,078	19,919			
1977	283,921.00	193,156	292,439			
1979	137,803.24	90,201	139,351	2,586	14.58	177
1980	26,475.28	16,975	26,225	1,045	15.10	69
1981	25,088.47	15,737	24,312	1,529	15.64	98
1982	166,753.32	102,238	157,947	13,809	16.19	853
1983	8,937.20	5,351	8,267	938	16.75	56
1984	249,308.82	145,599	224,935	31,853	17.32	1,839
1988	32,571.66	17,009	26,277	7,272	19.72	369
1989	129,470.58	65,510	101,206	32,149	20.35	1,580
1992	37,915.23	17,271	26,682	12,371	22.31	555
1993	9,304.03	4,078	6,300	3,283	22.98	143
1994	352,789.80	148,438	229,321	134,052	23.66	5,666
1995	161,864.75	65,229	100,772	65,949	24.35	2,708
1998	313,562.88	109,325	168,895	154,075	26.46	5,823
1999	106,668.44	35,213	54,400	55,468	27.18	2,041
2000	152,434.02	47,455	73,313	83,694	27.91	2,999
2002	39,354.90	10,752	16,611	23,925	29.39	814
2003	86,319.27	21,916	33,858	55,051	30.14	1,827
2005	28,881.00	6,210	9,594	20,153	31.65	637
2006	135,121.63	26,374	40,745	98,430	32.42	3,036
2007	79,243.07	13,896	21,468	60,152	33.19	1,812
2008	340,925.64	52,936	81,780	269,373	33.97	7,930
2009	480,251.41	64,800	100,109	394,550	34.76	11,351
2010	348,761.61	39,964	61,740	297,484	35.55	8,368
2011	446,006.93	42,034	64,938	394,449	36.34	10,854
2012	16,052.49	1,178	1,820	14,714	37.15	396
2013	1,708,834.64	90,205	139,357	1,620,743	37.95	42,707
2014	557,250.79	17,650	27,268	546,700	38.77	14,101
2015	3,252,113.98	73,023	112,813	3,236,865	22.49	143,925
	10,007,037.71	1,769,715	2,674,586	7,632,663		272,734
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 28.0						2.73

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C17 - COUNTERPOISE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R2.5						
NET SALVAGE PERCENT.. -6						
1967	431,098.26	320,208	314,987	141,977	16.46	8,626
1968	247,792.88	181,380	178,423	84,237	17.02	4,949
1970	546.00	387	381	198	18.20	11
1974	15,552.35	10,281	10,113	6,372	20.70	308
1978	123,318.62	75,104	73,879	56,839	23.40	2,429
1981	9,506.07	5,399	5,311	4,765	25.53	187
1982	27,542.40	15,256	15,007	14,188	26.26	540
1983	15,526.13	8,378	8,241	8,217	27.00	304
1985	214,651.00	109,629	107,842	119,688	28.50	4,200
1986	106,804.26	52,963	52,100	61,113	29.27	2,088
1987	11,117.41	5,346	5,259	6,525	30.05	217
1988	215,117.18	100,205	98,571	129,453	30.83	4,199
1989	147,661.97	66,536	65,451	91,071	31.62	2,880
1990	34,172.01	14,871	14,629	21,593	32.42	666
1991	558.98	235	231	362	33.23	11
1992	161,824.60	65,339	64,274	107,260	34.05	3,150
1993	365,268.31	141,709	139,398	247,786	34.87	7,106
1994	331,398.89	123,269	121,259	230,024	35.70	6,443
1995	19,011.26	6,764	6,654	13,498	36.54	369
1996	17,886.51	6,074	5,975	12,985	37.38	347
1997	48,442.27	15,657	15,402	35,947	38.23	940
1999	3,158.47	916	901	2,447	39.96	61
2000	280,787.97	76,683	75,433	222,202	40.83	5,442
2001	216,852.36	55,544	54,638	175,226	41.71	4,201
2002	181,203.61	43,340	42,633	149,443	42.59	3,509
2003	352,909.92	78,352	77,075	297,010	43.48	6,831
2012	43,379.13	2,751	2,706	43,276	51.71	837
	3,623,088.82	1,582,576	1,556,773	2,283,701		70,851

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 32.2 1.96

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C18 - CRANES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 70-R3						
NET SALVAGE PERCENT.. -3						
1966	658,978.00	422,473	206,343	472,404	26.43	17,874
1967	189,000.00	119,194	58,216	136,454	27.14	5,028
1969	234,007.00	142,517	69,608	171,419	28.61	5,992
1979	597,576.53	295,263	144,211	471,293	36.42	12,940
1980	136,287.00	65,696	32,087	108,289	37.24	2,908
1982	1,501,411.45	686,842	335,465	1,210,989	38.91	31,123
1984	993,957.00	429,986	210,012	813,764	40.60	20,043
1985	123,618.00	51,912	25,355	101,972	41.46	2,460
1988	304,605.66	116,220	56,764	256,980	44.07	5,831
1989	23,800.39	8,773	4,285	20,229	44.95	450
1993	15,442.12	4,876	2,382	13,523	48.54	279
1995	3,781.63	1,093	534	3,361	50.36	67
1996	6,207.08	1,709	835	5,558	51.29	108
2002	8,414.90	1,621	792	7,875	56.91	138
2003	1,560,150.29	278,694	136,117	1,470,838	57.86	25,421
2006	93,901.29	12,808	6,256	90,462	60.73	1,490
2008	15,189.34	1,638	800	14,845	62.67	237
2011	143,366.54	9,303	4,544	143,124	65.59	2,182
2013	215,839.27	7,812	3,815	218,499	67.54	3,235
2014	63,166.18	1,375	672	64,389	68.52	940
2015	13,442.50	118	57	13,788	58.32	236
	6,902,142.17	2,659,923	1,299,150	5,810,056		138,982
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						41.8 2.01

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT D01 - DAMS, DYKES, CANALS AND TUNNELS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 110-R4						
NET SALVAGE PERCENT.. -8						
1956	615,305.93	348,759	103,011	561,519	52.27	10,743
1966	42,867,104.87	20,454,708	6,041,606	40,254,867	61.40	655,617
1967	27,131,965.00	12,695,904	3,749,926	25,552,596	62.34	409,891
1969	146,223.72	65,724	19,413	138,509	64.22	2,157
1970	4,899,824.94	2,156,678	637,007	4,654,804	65.17	71,426
1978	3,644,386.00	1,329,284	392,624	3,543,313	72.85	48,638
1979	26,954,544.28	9,574,869	2,828,082	26,282,826	73.82	356,039
1980	8,733,611.13	3,019,185	891,762	8,540,538	74.79	114,194
1982	54,770,206.67	17,885,145	5,282,647	53,869,176	76.74	701,970
1983	21,684,267.05	6,872,308	2,029,839	21,389,169	77.72	275,208
1984	113,124,637.53	34,764,785	10,268,302	111,906,307	78.70	1,421,935
1985	10,995,558.61	3,273,281	966,813	10,908,390	79.68	136,902
1986	48,803.37	14,054	4,151	48,557	80.67	602
1988	12,002,331.79	3,224,167	952,306	12,010,212	82.64	145,332
1989	503,088.54	130,303	38,487	504,849	83.62	6,037
1992	38,009.96	8,736	2,580	38,471	86.59	444
1993	4,711.97	1,037	306	4,783	87.58	55
2003	28,219,035.47	3,457,566	1,021,245	29,455,313	97.52	302,044
2005	2,863,283.51	294,608	87,017	3,005,329	99.52	30,198
2009	704,177.11	44,870	13,253	747,258	103.51	7,219
2010	496,885.77	26,784	7,911	528,726	104.51	5,059
2012	1,302,985.46	44,778	13,226	1,393,998	106.50	13,089
2014	158,306.95	2,332	689	170,283	108.50	1,569
	361,909,255.63	119,689,865	35,352,203	355,509,793		4,716,368
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						75.4 1.30

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT D02 - DIESEL SYSTEMS AND ENGINES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-L0.5						
NET SALVAGE PERCENT.. -11						
1965	644,462.40	507,901	715,353			
1968	10,325.00	7,908	11,461			
1973	394,804.06	285,903	438,233			
1980	1,137,849.89	746,694	1,202,375	60,638	10.22	5,933
1981	453,076.02	292,495	470,994	31,920	10.46	3,052
1982	933,452.28	592,668	954,353	81,779	10.70	7,643
1983	1,238,000.00	772,289	1,243,590	130,590	10.95	11,926
1984	337,094.61	206,395	332,351	41,824	11.21	3,731
1986	154,494.96	90,958	146,466	25,023	11.74	2,131
1987	41,924.03	24,180	38,936	7,600	12.01	633
1988	83,806.15	47,294	76,156	16,869	12.29	1,373
1989	64,057.60	35,324	56,881	14,223	12.58	1,131
1990	472,403.24	254,423	409,688	114,680	12.87	8,911
1991	383,928.98	201,659	324,724	101,437	13.17	7,702
1992	28,368.16	14,510	23,365	8,124	13.48	603
1993	108,978.30	54,241	87,342	33,624	13.79	2,438
1994	1,528,540.74	739,074	1,190,105	506,575	14.11	35,902
1995	630,494.80	295,616	476,020	223,829	14.44	15,501
1996	530,077.55	240,768	387,700	200,686	14.77	13,587
1997	1,429,293.16	627,625	1,010,643	575,872	15.11	38,112
1998	1,109,693.01	470,039	756,888	474,871	15.46	30,716
1999	232,763.17	94,872	152,769	105,598	15.82	6,675
2000	1,480,070.67	578,950	932,263	710,615	16.19	43,892
2001	1,962,927.92	735,580	1,184,479	994,371	16.56	60,047
2002	1,639,155.44	585,867	943,401	876,062	16.95	51,685
2003	242,831.69	82,480	132,815	136,728	17.35	7,881
2005	1,106,121.95	333,469	536,974	690,821	18.21	37,936
2006	357,925.58	100,278	161,474	235,823	18.69	12,618
2007	916,657.89	236,465	380,771	636,719	19.19	33,180
2008	109,011.51	25,507	41,073	79,930	19.73	4,051
2009	2,637,507.76	550,395	886,282	2,041,352	20.30	100,559
2010	2,771,772.15	503,343	810,516	2,266,151	20.91	108,376
2011	3,742,552.77	571,623	920,465	3,233,769	21.56	149,989
2012	2,407,096.08	294,975	474,988	2,196,889	22.24	98,781
2013	1,510,549.68	136,820	220,316	1,456,394	22.96	63,432
2014	6,633,910.89	374,073	602,357	6,761,284	23.73	284,926
2015	2,431,370.59	98,777	159,057	2,539,764	13.16	192,991
	41,897,350.68	11,811,438	18,893,624	27,612,435		1,448,044

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 19.1 3.46

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT D03 - DISCONNECT SWITCHES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R2.5						
NET SALVAGE PERCENT.. -3						
1965	242,270.77	179,805	229,620	19,919	15.37	1,296
1966	177,667.19	130,095	166,138	16,859	15.90	1,060
1967	714,863.43	515,954	658,899	77,410	16.46	4,703
1968	482,439.40	343,143	438,211	58,702	17.02	3,449
1969	207,719.11	145,486	185,793	28,158	17.60	1,600
1970	1,273,238.73	877,469	1,120,571	190,865	18.20	10,487
1971	232,031.02	157,300	200,880	38,112	18.80	2,027
1972	280,022.05	186,584	238,277	50,146	19.42	2,582
1974	160,146.36	102,870	131,370	33,581	20.70	1,622
1975	172,354.33	108,581	138,663	38,862	21.36	1,819
1976	21,825.02	13,475	17,208	5,272	22.03	239
1977	395,853.89	239,374	305,693	102,037	22.71	4,493
1978	242,505.95	143,512	183,272	66,509	23.40	2,842
1979	42,312.17	24,485	31,269	12,313	24.10	511
1980	274,055.46	154,945	197,872	84,405	24.81	3,402
1981	134,922.49	74,463	95,093	43,877	25.53	1,719
1982	281,577.30	151,552	193,539	96,486	26.26	3,674
1983	44,083.42	23,116	29,520	15,886	27.00	588
1984	44,313.73	22,614	28,879	16,764	27.75	604
1985	15,913.15	7,897	10,085	6,306	28.50	221
1986	31,745.19	15,297	19,535	13,163	29.27	450
1987	151,700.26	70,882	90,520	65,731	30.05	2,187
1988	132,691.61	60,061	76,701	59,971	30.83	1,945
1989	502,766.48	220,133	281,121	236,728	31.62	7,487
1990	481,796.61	203,736	260,181	236,070	32.42	7,282
1991	36,330.90	14,812	18,916	18,505	33.23	557
1992	231,030.02	90,642	115,754	122,207	34.05	3,589
1993	104,983.77	39,577	50,542	57,591	34.87	1,652
1994	35,727.81	12,913	16,491	20,309	35.70	569
1995	422,371.06	146,018	186,472	248,570	36.54	6,803
1996	301,380.12	99,447	126,999	183,423	37.38	4,907
1997	30,529.45	9,588	12,244	19,201	38.23	502
1998	166,141.53	49,502	63,217	107,909	39.09	2,761
2000	170,065.45	45,130	57,633	117,534	40.83	2,879
2001	96,520.44	24,023	30,679	68,737	41.71	1,648
2002	187,571.33	43,593	55,670	137,528	42.59	3,229
2003	129,652.34	27,970	35,719	97,823	43.48	2,250
2004	157,797.58	31,383	40,078	122,454	44.38	2,759
2005	187,574.40	34,145	43,605	149,597	45.28	3,304
2006	35,094.81	5,797	7,403	28,745	46.18	622
2009	532,335.09	60,511	77,275	471,030	48.93	9,627
2010	57,070.54	5,504	7,029	51,754	49.85	1,038
2011	1,097,601.33	86,746	110,779	1,019,750	50.78	20,082

Newfoundland and Labrador Hydro
2016 Depreciation Study

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT D03 - DISCONNECT SWITCHES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R2.5						
NET SALVAGE PERCENT.. -3						
2012	1,533,843.65	94,507	120,690	1,459,169	51.71	28,218
2013	1,081,960.39	47,619	60,812	1,053,607	52.65	20,012
2014	2,921,484.67	77,696	99,222	2,909,907	53.58	54,310
2015	4,625,646.05	58,126	74,229	4,690,186	40.32	116,324
	20,883,527.85	5,278,078	6,740,368	14,769,665		355,931
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						41.5 1.70

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT D04 - DYKES AND LINERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 42-L1.5						
NET SALVAGE PERCENT.. -8						
1968	26,479.96	17,309	28,598			
1974	142,100.00	87,075	150,013	3,455	18.17	190
1975	213,342.87	129,249	222,670	7,740	18.44	420
1980	53,900.59	30,700	52,890	5,323	19.85	268
1981	213,183.92	119,779	206,355	23,884	20.15	1,185
1982	89,895.87	49,816	85,823	11,265	20.45	551
1983	68,476.83	37,383	64,403	9,552	20.77	460
1985	211,511.23	111,822	192,647	35,785	21.44	1,669
1987	181,989.53	92,846	159,955	36,594	22.16	1,651
1990	264,232.48	126,651	218,195	67,176	23.36	2,876
1992	217,059.26	99,016	170,585	63,839	24.26	2,631
1998	39,596.79	14,693	25,313	17,452	27.57	633
1999	134,484.01	47,654	82,098	63,145	28.22	2,238
2002	75,888.45	22,812	39,301	42,659	30.31	1,407
2005	16,513.92	3,996	6,884	10,951	32.59	336
2011	478,782.72	52,572	90,571	426,514	37.73	11,304
2014	49,894.57	1,860	3,204	50,682	40.55	1,250
	2,477,333.00	1,045,233	1,799,505	876,014		29,069
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 30.1 1.17						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT E01 - ELEVATORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 45-S5						
NET SALVAGE PERCENT.. -3						
1971	89,800.00	83,327	89,800	2,694	4.46	604
	89,800.00	83,327	89,800	2,694		604
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.5						0.67

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT E02 - EMS EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R2.5						
NET SALVAGE PERCENT.. 0						
1980	16,461.46	12,633	16,461			
1990	11,759,258.77	7,132,814	11,759,259			
1992	12,860.27	7,297	12,860			
1993	48,931.95	26,773	48,932			
1994	229,340.02	120,699	229,340			
1998	99,085.18	43,541	99,085			
1999	45,962.90	19,160	45,427	536	20.41	26
2000	117,114.88	46,109	109,322	7,793	21.22	367
2001	299,861.84	111,036	263,260	36,602	22.04	1,661
2004	8,032.68	2,396	5,681	2,352	24.56	96
2005	236,118.93	64,562	153,073	83,046	25.43	3,266
2009	22,360.02	3,846	9,119	13,241	28.98	457
2011	12,028.86	1,443	3,421	8,608	30.80	279
2012	9,801.36	918	2,177	7,625	31.72	240
	12,917,219.12	7,593,227	12,757,417	159,802		6,392
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 25.0 0.05						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT E03 - ENVIRONMENTAL EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 45-R2.5						
NET SALVAGE PERCENT.. 0						
1968	584,529.60	458,920	543,919	40,611	9.67	4,200
1994	100,098.42	42,220	50,040	50,058	26.02	1,924
1995	29,947.59	12,099	14,340	15,608	26.82	582
1997	129,242.84	47,533	56,337	72,906	28.45	2,563
2008	71,891.96	11,135	13,197	58,695	38.03	1,543
2015	20,165.58	298	354	19,812	33.17	597
	935,875.99	572,205	678,187	257,689		11,409
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 22.6						1.22

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F01 - FALL ARREST EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 15-R4						
NET SALVAGE PERCENT.. 0						
2005	198,105.16	130,353	179,958	18,147	5.13	3,537
2006	217,857.72	131,586	181,660	36,198	5.94	6,094
2007	195,813.28	107,174	147,958	47,855	6.79	7,048
2008	199,279.40	97,248	134,255	65,024	7.68	8,467
2009	501,083.68	213,462	294,692	206,392	8.61	23,971
2010	43,100.70	15,631	21,579	21,522	9.56	2,251
2011	205,129.64	61,129	84,391	120,739	10.53	11,466
2012	184,242.00	42,744	59,010	125,232	11.52	10,871
2013	246,771.47	40,964	56,552	190,219	12.51	15,205
2014	336,964.29	33,696	46,519	290,445	13.50	21,514
2015	180,672.63	6,396	8,830	171,843	13.61	12,626
	2,509,019.97	880,383	1,215,404	1,293,616		123,050
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 10.5						4.90

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F02 - FENCING

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 52-R3						
NET SALVAGE PERCENT.. -3						
1967	95,307.91	75,041	98,167			
1968	58,848.45	45,705	60,614			
1969	66,173.02	50,660	68,158			
1970	117,281.68	88,440	120,800			
1971	13,312.00	9,883	13,711			
1972	65,739.16	48,010	67,711			
1973	24,667.06	17,707	25,407			
1974	51,949.96	36,633	53,508			
1975	11,288.90	7,813	11,628			
1976	59,296.08	40,251	61,075			
1977	19,241.61	12,802	19,819			
1978	145,749.97	94,952	150,122			
1979	18,281.62	11,653	18,637	193	19.82	10
1980	279,753.22	174,273	278,725	9,421	20.55	458
1981	85,268.34	51,885	82,983	4,843	21.28	228
1982	189,624.32	112,569	180,038	15,275	22.03	693
1983	282,397.46	163,390	261,319	29,550	22.79	1,297
1984	85,097.82	47,938	76,670	10,981	23.56	466
1985	245,056.33	134,261	214,731	37,677	24.34	1,548
1986	25,867.46	13,767	22,018	4,625	25.13	184
1987	213,373.01	110,184	176,224	43,550	25.93	1,680
1988	75,843.42	37,948	60,692	17,427	26.74	652
1989	182,675.48	88,433	141,436	46,720	27.56	1,695
1990	112,235.72	52,488	83,947	31,656	28.39	1,115
1991	137,599.47	62,060	99,256	42,471	29.23	1,453
1992	122,833.27	53,333	85,299	41,219	30.08	1,370
1993	43,943.39	18,340	29,332	15,930	30.93	515
1994	83,857.05	33,552	53,662	32,711	31.80	1,029
1995	82,864.42	31,727	50,743	34,607	32.67	1,059
1996	45,009.81	16,440	26,293	20,067	33.56	598
1997	57,176.21	19,876	31,789	27,102	34.45	787
1998	133,014.01	43,867	70,159	66,845	35.35	1,891
1999	43,860.85	13,683	21,884	23,293	36.25	643
2000	52,825.13	15,527	24,833	29,577	37.16	796
2001	163,588.29	45,105	72,139	96,357	38.08	2,530
2002	50,286.59	12,939	20,694	31,101	39.01	797
2003	1,015,869.57	242,668	388,113	658,233	39.94	16,481
2004	32,448.49	7,147	11,431	21,991	40.88	538
2005	116,002.80	23,368	37,374	82,109	41.83	1,963
2006	5,454.01	996	1,593	4,025	42.78	94
2008	58,461.93	8,465	13,539	46,677	44.69	1,044
2009	255,773.00	32,172	51,454	211,992	45.65	4,644
2011	813,892.56	71,097	113,709	724,600	47.59	15,226

Newfoundland and Labrador Hydro
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NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F02 - FENCING

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 52-R3						
NET SALVAGE PERCENT.. -3						
2012	296,669.35	20,155	32,235	273,334	48.57	5,628
2013	110,462.43	5,383	8,609	105,167	49.54	2,123
2014	370,645.31	10,865	17,377	364,388	50.52	7,213
2015	938,720.95	11,022	17,629	949,254	43.55	21,797
	7,555,588.89	2,326,473	3,627,286	4,154,971		100,245
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						41.4 1.33

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F03 - FIRE FIGHTING EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R4						
NET SALVAGE PERCENT.. 0						
1967	597,273.05	501,112	597,273			
1968	39,688.85	32,878	39,689			
1969	101,232.00	82,727	101,232			
1970	9,203.91	7,411	9,204			
1971	281,955.00	223,534	281,955			
1973	21,689.45	16,627	21,689			
1975	10,000.43	7,392	10,000			
1976	58,348.31	42,314	58,348			
1977	28,858.00	20,512	28,858			
1978	192,136.50	133,727	192,136			
1979	115,181.72	78,439	115,182			
1980	214,201.74	142,616	214,202			
1981	9,401.89	6,113	9,402			
1982	406,897.98	258,055	401,975	4,923	18.29	269
1983	94,674.89	58,509	91,140	3,535	19.10	185
1984	583,752.17	351,185	547,045	36,707	19.92	1,843
1985	185,991.75	108,768	169,429	16,563	20.76	798
1986	152,946.68	86,843	135,276	17,671	21.61	818
1987	96,794.16	53,276	82,989	13,805	22.48	614
1988	217,479.69	115,873	180,497	36,983	23.36	1,583
1989	762,666.44	392,773	611,828	150,838	24.25	6,220
1990	64,327.11	31,971	49,802	14,525	25.15	578
1992	149,080.69	68,637	106,917	42,164	26.98	1,563
1995	24,518.16	9,910	15,437	9,081	29.79	305
1997	180,253.80	65,937	102,711	77,543	31.71	2,445
1998	68,518.74	23,749	36,994	31,525	32.67	965
1999	94,038.17	30,769	47,929	46,109	33.64	1,371
2001	216,064.47	62,227	96,932	119,132	35.60	3,346
2002	629,240.42	168,888	263,079	366,161	36.58	10,010
2003	657,749.39	163,648	254,916	402,833	37.56	10,725
2005	55,241.78	11,557	18,002	37,240	39.54	942
2008	238,692.84	35,708	55,623	183,070	42.52	4,306
2009	1,916,574.45	248,771	387,514	1,529,060	43.51	35,143
2010	4,415.61	485	755	3,661	44.51	82
2011	210,565.13	18,909	29,455	181,110	45.51	3,980
2012	586,212.13	41,035	63,921	522,291	46.50	11,232
2013	558,076.76	27,904	43,466	514,611	47.50	10,834
2014	951,159.22	28,535	44,450	906,709	48.50	18,695
2015	3,121,815.69	33,091	51,546	3,070,269	46.45	66,098
	13,906,919.17	3,792,415	5,568,798	8,338,121		194,950

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 42.8 1.40



NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F04 - FOOTINGS AND FOUNDATIONS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 65-R3						
NET SALVAGE PERCENT.. -8						
1965	167,301.40	121,171	141,041	39,645	21.41	1,852
1967	1,723,662.79	1,209,732	1,408,104	453,452	22.76	19,923
1968	891,091.56	615,181	716,059	246,320	23.45	10,504
1970	490,202.40	326,852	380,449	148,970	24.87	5,990
1973	14,582.27	9,190	10,697	5,052	27.07	187
1974	68,284.09	42,183	49,100	24,647	27.82	886
1975	108,441.06	65,621	76,382	40,734	28.58	1,425
1976	113,065.81	66,973	77,955	44,156	29.35	1,504
1977	1,266,265.77	733,645	853,949	513,618	30.13	17,047
1978	1,106,583.24	626,787	729,568	465,542	30.91	15,061
1979	334,143.65	184,822	215,129	145,746	31.71	4,596
1980	540,108.76	291,571	339,383	243,934	32.51	7,503
1981	299,457.16	157,625	183,472	139,942	33.32	4,200
1982	471,876.97	241,956	281,632	227,995	34.14	6,678
1983	766,192.98	382,424	445,134	382,354	34.96	10,937
1984	7,817.94	3,793	4,415	4,028	35.80	113
1985	25,845.64	12,179	14,176	13,737	36.64	375
1986	47,648.73	21,780	25,352	26,109	37.49	696
1987	307,062.57	136,017	158,321	173,307	38.34	4,520
1988	115,812.71	49,627	57,765	67,313	39.21	1,717
1989	340,873.18	141,139	164,283	203,860	40.08	5,086
1990	1,312,152.51	524,336	610,317	806,808	40.95	19,702
1991	1,012,711.49	389,870	453,801	639,927	41.83	15,298
1992	626,613.85	231,967	270,005	406,738	42.72	9,521
1993	84,738.76	30,102	35,038	56,480	43.62	1,295
1994	5,426.96	1,847	2,150	3,711	44.52	83
1995	467,057.62	151,871	176,775	327,647	45.43	7,212
1996	148,954.64	46,183	53,756	107,115	46.34	2,312
1998	114,131.79	31,897	37,127	86,135	48.18	1,788
1999	65,572.18	17,312	20,151	50,667	49.11	1,032
2000	30,492.18	7,574	8,816	24,116	50.05	482
2001	33,856.28	7,881	9,173	27,392	50.99	537
2002	2,625,474.99	570,165	663,662	2,171,851	51.93	41,823
2003	1,044,934.04	210,425	244,930	883,599	52.88	16,710
2004	9,714.31	1,803	2,099	8,392	53.83	156
2008	29,323.54	3,571	4,157	27,512	57.67	477
2011	40,587.70	2,974	3,462	40,373	60.59	666

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F04 - FOOTINGS AND FOUNDATIONS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 65-R3						
NET SALVAGE PERCENT.. -8						
2012	22,681.06	1,296	1,509	22,987	61.56	373
2014	680,260.20	16,729	19,472	715,209	63.52	11,260
2015	2,852,234.26	28,032	32,628	3,047,785	54.45	55,974
	20,413,239.04	7,716,103	8,981,394	13,064,904		307,501
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 42.5						1.51

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F05 - FREQUENCY CONVERSION

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 45-S4						
NET SALVAGE PERCENT.. 0						
1977	1,607,215.00	1,273,991	1,590,594	16,621	9.33	1,781
1982	12,043.92	8,661	10,813	1,231	12.64	97
2005	47,702.22	11,130	13,896	33,806	34.50	980
2007	28,008.98	5,291	6,606	21,403	36.50	586
2009	758,606.76	109,573	136,804	621,803	38.50	16,151
	2,453,576.88	1,408,646	1,758,713	694,864		19,595
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 35.5						0.80

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F06 - FUEL SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R1.5						
NET SALVAGE PERCENT.. -11						
1956	11,785.53	9,924	13,082			
1966	73,482.51	54,959	81,566			
1968	828,616.98	601,894	919,765			
1969	757,540.47	541,857	840,870			
1970	800.00	563	888			
1971	87,288.00	60,440	96,890			
1973	3,244.42	2,169	3,601			
1974	290,612.82	190,709	322,580			
1975	44,415.90	28,595	49,302			
1976	212,487.00	134,063	235,861			
1977	16,590.50	10,254	18,415			
1978	128,269.57	77,597	142,379			
1980	179,972.65	104,040	191,675	8,095	23.96	338
1981	495,612.65	279,686	515,271	34,859	24.58	1,418
1982	104,546.72	57,536	106,000	10,047	25.21	399
1983	17,194.91	9,223	16,992	2,094	25.84	81
1985	205,026.03	104,049	191,691	35,888	27.14	1,322
1986	24,674.35	12,161	22,404	4,985	27.80	179
1987	460,163.55	219,943	405,205	105,577	28.47	3,708
1988	13,928.85	6,450	11,883	3,578	29.14	123
1989	282,980.18	126,711	233,442	80,666	29.83	2,704
1990	773,369.43	334,448	616,160	242,280	30.52	7,938
1991	370,174.16	154,332	284,329	126,564	31.22	4,054
1992	661,127.69	265,361	488,879	244,973	31.92	7,675
1993	338,825.34	130,656	240,710	135,386	32.63	4,149
1994	371,177.35	137,198	252,762	159,245	33.35	4,775
1995	223,856.04	79,166	145,849	102,631	34.07	3,012
1996	403,902.53	136,293	251,095	197,237	34.80	5,668
1997	89,694.14	28,813	53,083	46,477	35.53	1,308
1998	83,733.99	25,523	47,021	45,924	36.27	1,266
1999	410,246.57	118,215	217,790	237,584	37.02	6,418
2000	244,674.28	66,431	122,387	149,201	37.77	3,950
2001	731,207.43	186,353	343,322	468,318	38.52	12,158
2002	436,496.97	103,879	191,378	293,134	39.28	7,463
2003	270,163.44	59,676	109,942	189,939	40.05	4,743
2005	780,471.63	145,716	268,455	597,869	41.59	14,375
2006	545,970.78	92,480	170,378	435,650	42.37	10,282
2007	758,499.28	115,345	212,502	629,432	43.15	14,587
2008	348,333.75	46,862	86,335	300,315	43.94	6,835
2009	2,308,883.16	270,125	497,656	2,065,204	44.73	46,170
2010	535,159.47	53,106	97,838	496,189	45.53	10,898
2011	1,724,597.41	140,510	258,864	1,655,439	46.33	35,731
2012	588,452.12	37,362	68,833	584,349	47.14	12,396

Newfoundland and Labrador Hydro
2016 Depreciation Study

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F06 - FUEL SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R1.5						
NET SALVAGE PERCENT.. -11						
2013	786,406.17	35,789	65,935	806,976	47.95	16,830
2014	1,591,994.48	43,471	80,087	1,687,027	48.77	34,591
2015	8,897,247.05	175,792	323,865	9,552,079	27.59	346,215
	28,513,898.25	5,615,725	9,915,217	21,735,210		633,759
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						34.3 2.22

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G01 - GAS TURBINE SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 45-R3						
NET SALVAGE PERCENT.. -2						
1968	995,759.29	835,788	1,015,674			
1974	4,704,054.47	3,641,257	4,798,136			
1975	6,031,773.20	4,592,404	6,152,409			
1977	384,018.97	282,286	391,699			
1981	210,609.85	142,595	214,822			
1989	83,605.00	45,519	76,732	8,545	20.98	407
1992	13,070,767.89	6,405,314	10,797,482	2,534,701	23.38	108,413
1997	548,240.40	216,099	364,280	194,925	27.61	7,060
1999	9,087.69	3,220	5,428	3,841	29.37	131
2001	61,837.92	19,385	32,677	30,398	31.17	975
2007	31,100.00	5,816	9,804	21,918	36.75	596
2009	129,634.16	18,600	31,354	100,873	38.67	2,609
2010	1,268,695.89	154,421	260,309	1,033,761	39.63	26,085
2011	222,865.40	22,228	37,470	189,853	40.60	4,676
2012	376,344.00	29,259	49,322	334,549	41.57	8,048
2013	7,810,787.00	433,724	731,131	7,235,872	42.55	170,056
2014	2,091,471.80	69,695	117,485	2,015,816	43.53	46,309
2015	31,295,107.96	418,165	704,904	31,216,106	37.67	828,673
	69,325,760.89	17,335,775	25,791,118	44,921,158		1,204,038
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						37.3 1.74

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G02 - GATES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 80-R4						
NET SALVAGE PERCENT.. -8						
1966	1,986,152.97	1,270,124	581,347	1,563,698	32.63	47,922
1967	1,051,672.86	660,608	302,366	833,441	33.47	24,901
1970	396,402.00	235,197	107,652	320,462	36.05	8,889
1978	267,693.00	132,773	60,771	228,337	43.26	5,278
1979	1,419,329.57	686,146	314,055	1,218,821	44.19	27,581
1980	1,051,492.17	495,127	226,624	908,988	45.12	20,146
1982	4,123,249.27	1,836,373	840,525	3,612,584	47.01	76,847
1983	1,976,506.08	854,918	391,304	1,743,323	47.96	36,350
1984	1,120,133.00	470,131	215,184	994,560	48.91	20,334
1985	185,213.00	75,335	34,482	165,548	49.87	3,320
1986	139,462.75	54,919	25,137	125,483	50.83	2,469
1988	1,014,882.86	373,213	170,823	925,250	52.76	17,537
1989	180,329.65	63,954	29,272	165,484	53.73	3,080
2004	439,111.41	67,997	31,123	443,117	68.53	6,466
2012	32,000.00	1,512	692	33,868	76.50	443
2013	1,925,734.06	64,994	29,748	2,050,045	77.50	26,452
2014	321,648.04	6,513	2,981	344,399	78.50	4,387
2015	1,417,520.75	10,104	4,625	1,526,298	74.69	20,435
	19,048,533.44	7,359,938	3,368,711	17,203,705		352,837
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 48.8						1.85

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G03 - GENERATORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 65-S3						
NET SALVAGE PERCENT.. -8						
1966	18,139.94	13,449	12,962	6,629	20.38	325
1967	1,704,660.61	1,246,232	1,201,125	639,908	21.00	30,472
1968	5,528,661.06	3,984,000	3,839,801	2,131,153	21.63	98,528
1970	3,447,277.74	2,409,118	2,321,921	1,401,139	22.94	61,078
1971	1,587,930.00	1,091,506	1,051,999	662,965	23.63	28,056
1977	3,185,771.51	1,953,213	1,882,517	1,558,116	28.10	55,449
1978	271,000.00	162,505	156,623	136,057	28.91	4,706
1979	786,015.97	460,629	443,957	404,940	29.73	13,621
1980	12,037,307.04	6,886,124	6,636,884	6,363,408	30.57	208,159
1982	5,671,758.61	3,082,535	2,970,964	3,154,535	32.29	97,694
1983	177,355.00	93,797	90,402	101,141	33.17	3,049
1985	9,224,267.93	4,601,046	4,434,513	5,527,696	34.98	158,024
1988	76,992.57	34,847	33,586	49,566	37.76	1,313
1989	1,201,412.25	524,797	505,802	791,723	38.71	20,453
1990	173,110.77	72,856	70,219	116,741	39.67	2,943
1992	5,093,864.21	1,980,494	1,908,811	3,592,562	41.60	86,360
1999	165,900.34	45,454	43,809	135,363	48.51	2,790
2001	97,014.30	23,373	22,527	82,248	50.50	1,629
2002	36,867.35	8,270	7,971	31,846	51.50	618
2003	9,985,526.61	2,073,942	1,998,876	8,785,493	52.50	167,343
2007	28,008.68	3,956	3,813	26,436	56.50	468
2008	2,209,404.51	275,315	265,350	2,120,807	57.50	36,884
2009	234,765.50	25,355	24,437	229,110	58.50	3,916
2010	1,951,761.81	178,371	171,915	1,935,988	59.50	32,538
2011	450,761.35	33,703	32,483	454,339	60.50	7,510
2012	1,757,101.50	102,190	98,491	1,799,179	61.50	29,255
2013	2,362,076.23	98,113	94,562	2,456,480	62.50	39,304
2014	3,252,441.14	81,072	78,138	3,434,498	63.50	54,087
2015	32,415,720.45	287,074	276,683	34,732,295	60.11	577,812
	105,132,874.98	31,833,336	30,681,141	82,862,364		1,824,384
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 45.4						1.74

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G04 - GENERATOR - WINDINGS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-S3						
NET SALVAGE PERCENT.. -8						
1967	6,417,497.74	5,479,568	6,930,898			
2010	4,435,555.02	526,944	1,065,837	3,724,562	44.50	83,698
2012	3,882,451.10	293,513	593,682	3,599,365	46.50	77,406
2013	7,746,727.46	418,323	846,132	7,520,334	47.50	158,323
2014	2,132,526.63	69,094	139,755	2,163,373	48.50	44,606
	24,614,757.95	6,787,442	9,576,304	17,007,634		364,033
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 46.7						1.48

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G05 - GLYCOL SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 40-S3						
NET SALVAGE PERCENT.. -8						
1974	83,699.00	73,785	90,395			
1989	9,270.24	6,217	8,119	1,893	15.16	125
1992	437,684.30	266,484	347,993	124,706	17.45	7,146
	530,653.54	346,486	446,507	126,599		7,271
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 17.4 1.37						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G06 - GOVENORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 45-S4						
NET SALVAGE PERCENT.. -14						
1967	62,233.00	62,873	30,355	40,591	5.12	7,928
1968	77,729.00	77,918	37,619	50,992	5.43	9,391
1970	63,822.00	62,878	30,358	42,399	6.11	6,939
1971	77,729.00	75,851	36,621	51,990	6.48	8,023
1977	143,225.00	129,424	62,487	100,790	9.33	10,803
1980	251,003.31	214,862	103,736	182,408	11.21	16,272
1982	2,305,849.08	1,890,301	912,647	1,716,021	12.64	135,761
1985	1,422,117.29	1,079,015	520,954	1,100,260	15.05	73,107
1996	11,438.67	5,651	2,728	10,312	25.50	404
2002	594,634.45	203,365	98,186	579,697	31.50	18,403
2003	623,150.91	197,333	95,273	615,119	32.50	18,927
2006	912,512.80	219,610	106,029	934,236	35.50	26,317
2009	1,295,214.64	213,272	102,969	1,373,576	38.50	35,677
	7,840,659.15	4,432,353	2,139,962	6,798,390		367,952
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 18.5						4.69

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G07 - GROUND WIRE SYSTEM

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R4						
NET SALVAGE PERCENT.. -6						
1966	2,823.94	2,392	2,369	624	11.05	56
1967	181,215.81	151,297	149,826	42,263	11.68	3,618
1968	94,918.28	78,040	77,281	23,332	12.34	1,891
1970	172,220.16	137,147	135,814	46,739	13.68	3,417
1971	53,073.00	41,549	41,145	15,112	14.38	1,051
1974	221,600.40	164,298	162,701	72,195	16.53	4,368
1975	47,892.56	34,816	34,478	16,288	17.28	943
1976	4,623.64	3,294	3,262	1,639	18.04	91
1977	44,065.95	30,735	30,436	16,274	18.81	865
1978	237,477.65	162,021	160,446	91,280	19.60	4,657
1979	76,455.67	50,983	50,487	30,556	20.40	1,498
1980	369,454.09	240,596	238,257	153,364	21.21	7,231
1981	72,125.46	45,816	45,371	31,082	22.04	1,410
1982	346,989.02	214,800	212,712	155,096	22.88	6,779
1983	352,232.23	212,277	210,213	163,153	23.73	6,875
1985	455,703.00	259,352	256,831	226,214	25.47	8,882
1986	29,607.81	16,343	16,184	15,200	26.36	577
1987	144,022.64	77,027	76,278	76,386	27.25	2,803
1988	44,015.48	22,768	22,547	24,109	28.16	856
1989	283,026.53	141,385	140,010	159,998	29.08	5,502
1990	468,797.25	225,877	223,681	273,244	30.00	9,108
1991	520,887.35	241,639	239,290	312,851	30.93	10,115
1992	215,011.55	95,848	94,916	132,996	31.87	4,173
1993	11,320.04	4,839	4,792	7,207	32.82	220
1994	5,612.73	2,297	2,275	3,674	33.77	109
1995	415,398.75	162,281	160,703	279,620	34.73	8,051
1996	142,553.83	53,025	52,509	98,598	35.70	2,762
1997	27,653.81	9,769	9,674	19,639	36.67	536
1998	27,958.88	9,354	9,263	20,373	37.64	541
2000	109,199.72	32,410	32,095	83,657	39.60	2,113
2001	353,363.79	98,204	97,249	277,317	40.58	6,834
2002	63,869.83	16,544	16,383	51,319	41.56	1,235
2003	408,552.10	98,029	97,076	335,989	42.55	7,896
2004	9,440.40	2,085	2,065	7,942	43.54	182
2005	19,932.54	4,022	3,983	17,145	44.53	385
2006	70,228.07	12,817	12,692	61,750	45.53	1,356
2008	1,052,859.55	151,780	150,305	965,726	47.52	20,323
2009	174,838.48	21,869	21,656	163,673	48.51	3,374
2010	267,722.45	28,327	28,052	255,734	49.51	5,165
2011	277,276.56	23,995	23,762	270,151	50.51	5,348
2012	741,955.69	50,051	49,564	736,909	51.50	14,309

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G07 - GROUND WIRE SYSTEM

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R4						
NET SALVAGE PERCENT.. -6						
2013	642,861.66	30,971	30,670	650,763	52.50	12,395
2014	541,315.19	15,647	15,495	558,299	53.50	10,435
2015	568,198.08	5,842	5,785	596,505	51.05	11,685
	10,370,351.62	3,484,458	3,450,583	7,541,990		202,020
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						37.3 1.95

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT I02 - INSTRUMENTATION

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 30-L0.5						
NET SALVAGE PERCENT.. 0						
1968	1,270,122.22	798,056	1,270,122			
1969	533,320.62	331,192	533,321			
1971	1,562,828.30	947,074	1,562,828			
1979	25,332.75	13,688	25,333			
1987	19,531.16	9,062	19,531			
1988	172,549.37	78,280	172,549			
1989	19,048.01	8,438	19,048			
1990	518,407.16	224,123	518,407			
1992	19,933.21	8,179	19,309	624	17.69	35
1994	104,218.77	40,367	95,298	8,921	18.38	485
1999	356,341.34	116,167	274,244	82,097	20.22	4,060
2002	18,448.05	5,258	12,413	6,035	21.45	281
2005	47,283.46	11,222	26,493	20,790	22.88	909
2006	497,358.78	109,419	258,314	239,045	23.40	10,216
2009	418,330.78	67,489	159,326	259,005	25.16	10,294
2012	45,371.19	4,250	10,033	35,338	27.19	1,300
2014	338,972.40	14,464	34,147	304,826	28.72	10,614
	5,967,397.57	2,786,728	5,010,716	956,682		38,194
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 25.0						0.64

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT I03 - INSULATORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-L3						
NET SALVAGE PERCENT.. 0						
1967	88,700.61	69,440	82,281	6,420	7.60	845
1968	114,208.17	88,560	104,936	9,272	7.86	1,180
1969	50,398.83	38,706	45,863	4,536	8.12	559
1970	96,375.98	73,301	86,855	9,521	8.38	1,136
1974	12,479.49	9,156	10,849	1,630	9.32	175
1975	514.00	374	443	71	9.53	7
1976	12,341.27	8,910	10,558	1,783	9.73	183
1977	50,283.33	36,032	42,695	7,588	9.92	765
1978	35,427.46	25,214	29,876	5,551	10.09	550
1979	14,781.95	10,449	12,381	2,401	10.26	234
1980	11,311.61	7,941	9,409	1,903	10.43	182
1981	69,020.58	48,137	57,038	11,983	10.59	1,132
1982	426,433.41	295,216	349,806	76,627	10.77	7,115
1983	630,479.97	433,051	513,129	117,351	10.96	10,707
1984	70,036.88	47,705	56,526	13,511	11.16	1,211
1985	999,174.39	673,733	798,317	200,857	11.40	17,619
1986	7,562.44	5,043	5,976	1,586	11.66	136
1987	533,947.06	351,492	416,488	117,459	11.96	9,821
1988	575,583.15	373,145	442,145	133,438	12.31	10,840
1989	600,838.56	382,818	453,607	147,232	12.70	11,593
1990	3,212,707.83	2,006,561	2,377,605	835,103	13.14	63,554
1991	1,700,167.83	1,038,071	1,230,027	470,141	13.63	34,493
1992	767,820.50	456,961	541,460	226,360	14.17	15,975
1993	1,189,492.76	687,527	814,661	374,832	14.77	25,378
1994	969,319.30	542,538	642,862	326,457	15.41	21,185
1995	1,758,689.02	949,692	1,125,305	633,384	16.10	39,341
1996	1,786,367.83	926,875	1,098,269	688,099	16.84	40,861
1997	889,877.07	442,144	523,903	365,974	17.61	20,782
1998	720,448.60	341,284	404,393	316,056	18.42	17,158
1999	1,020,689.48	459,310	544,244	476,445	19.25	24,750
2000	3,892,028.71	1,655,786	1,961,967	1,930,062	20.11	95,975
2001	681,643.97	273,046	323,536	358,108	20.98	17,069
2002	1,987,065.50	744,871	882,609	1,104,456	21.88	50,478
2003	1,841,341.62	642,370	761,154	1,080,188	22.79	47,397
2004	2,775,970.27	895,445	1,061,027	1,714,943	23.71	72,330
2005	333,171.22	98,522	116,740	216,431	24.65	8,780
2006	1,324,258.63	355,656	421,422	902,837	25.60	35,267
2007	3,136,964.12	756,448	896,327	2,240,637	26.56	84,361
2008	808,745.61	172,611	204,530	604,216	27.53	21,948
2009	2,123,592.33	393,162	465,864	1,657,728	28.52	58,125
2010	323,890.26	50,805	60,200	263,690	29.51	8,936
2011	490,774.50	63,099	74,767	416,008	30.50	13,640
2012	994,068.55	99,407	117,789	876,280	31.50	27,818

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT I03 - INSULATORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-L3						
NET SALVAGE PERCENT.. 0						
2013	105,635.07	7,546	8,941	96,694	32.50	2,975
2014	2,685,733.84	115,111	136,397	2,549,337	33.50	76,100
2015	67,958.16	1,101	1,304	66,654	30.46	2,188
	41,988,321.72	17,154,372	20,326,481	21,661,840		1,002,854
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 21.6 2.39						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT I04 - INTAKE STRUCTURES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 110-R4						
NET SALVAGE PERCENT.. -8						
1966	3,784,392.00	1,805,782	562,054	3,525,089	61.40	57,412
1967	1,784,000.00	834,790	259,831	1,666,889	62.34	26,739
1979	1,454,249.47	516,583	160,788	1,409,801	73.82	19,098
1982	5,039,574.77	1,645,667	512,218	4,930,523	76.74	64,250
1983	16,004.48	5,072	1,579	15,706	77.72	202
1984	3,401,783.55	1,045,416	325,388	3,348,538	78.70	42,548
1989	6,768.76	1,753	546	6,764	83.62	81
1994	5,240.80	1,103	343	5,317	88.57	60
1997	10,571.59	1,915	596	10,821	91.55	118
2002	24,045.32	3,180	990	24,979	96.53	259
2003	3,909,814.02	479,054	149,107	4,073,492	97.52	41,771
	19,436,444.76	6,340,315	1,973,440	19,017,921		252,538
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 75.3						1.30

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT I05 - INVERTERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-S1.5						
NET SALVAGE PERCENT.. -8						
1968	182,290.86	191,677	183,692	13,182	0.66	13,182
1979	114,154.89	106,126	101,704	21,583	3.48	6,202
1996	17,604.84	11,667	11,181	7,832	9.66	811
2000	11,968.11	6,763	6,481	6,445	11.92	541
2001	110,955.28	59,676	57,190	62,642	12.55	4,991
2005	2,340.00	970	930	1,597	15.40	104
2006	16,272.78	6,186	5,928	11,647	16.20	719
2008	5,505.60	1,696	1,625	4,321	17.87	242
2012	4,964.72	740	709	4,653	21.55	216
2014	5,643.32	366	351	5,744	23.50	244
2015	49,804.41	1,296	1,242	52,546	20.25	2,595
	521,504.81	387,163	371,033	192,192		29,847
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 6.4						5.72

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT L03 - LAND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 75-R3						
NET SALVAGE PERCENT.. 0						
1965	5,754.24	3,441	5,754			
1967	174,343.48	100,793	174,343			
1968	82,098.79	46,643	82,099			
1970	313,594.10	171,765	313,594			
1971	996,777.00	535,598	979,075	17,702	34.70	510
1972	286,219.42	150,780	275,626	10,593	35.49	298
1974	262,393.06	132,666	242,514	19,879	37.08	536
1975	59,952.49	29,672	54,241	5,711	37.88	151
1976	61,289.90	29,664	54,226	7,064	38.70	183
1977	391,514.65	185,214	338,572	52,943	39.52	1,340
1978	777,770.02	359,431	657,041	120,729	40.34	2,993
1979	37,126.06	16,741	30,603	6,523	41.18	158
1980	1,053,203.62	463,125	846,594	206,610	42.02	4,917
1981	271,954.44	116,541	213,037	58,917	42.86	1,375
1982	516,244.80	215,310	393,588	122,657	43.72	2,806
1983	260,255.97	105,594	193,026	67,230	44.57	1,508
1984	96,772.74	38,141	69,722	27,051	45.44	595
1985	252,388.80	96,546	176,486	75,903	46.31	1,639
1986	85,530.68	31,726	57,995	27,536	47.18	584
1987	569,158.86	204,368	373,586	195,573	48.07	4,069
1988	188,757.84	65,561	119,846	68,912	48.95	1,408
1989	2,213,223.50	742,160	1,356,671	856,552	49.85	17,183
1990	765,815.64	247,718	452,829	312,987	50.74	6,168
1991	440,749.89	137,219	250,837	189,913	51.65	3,677
1992	569,666.82	170,444	311,572	258,095	52.56	4,910
1993	226,860.93	65,125	119,049	107,812	53.47	2,016
1994	187,262.38	51,460	94,069	93,193	54.39	1,713
1995	344,790.90	90,518	165,467	179,324	55.31	3,242
1996	255,875.08	64,002	116,996	138,879	56.24	2,469
1997	24,438.72	5,810	10,621	13,818	57.17	242
1998	321,505.42	72,403	132,353	189,152	58.11	3,255
1999	117,692.64	25,030	45,755	71,938	59.05	1,218
2000	73,029.87	14,615	26,716	46,314	59.99	772
2002	172,683.92	30,185	55,178	117,506	61.89	1,899
2003	228,663.43	37,073	67,770	160,893	62.84	2,560
2004	102,617.32	15,324	28,012	74,605	63.80	1,169
2005	87,428.65	11,937	21,821	65,608	64.76	1,013
2006	110,490.47	13,657	24,965	85,525	65.73	1,301
2008	64,541.12	6,317	11,548	52,993	67.66	783
2009	268,364.85	22,792	41,664	226,701	68.63	3,303
2010	13,384.00	962	1,759	11,625	69.61	167
2011	64,779.67	3,817	6,977	57,803	70.58	819

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT L03 - LAND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 75-R3						
NET SALVAGE PERCENT.. 0						
2012	49,683.60	2,279	4,166	45,518	71.56	636
2014	369,783.31	7,296	13,337	356,446	73.52	4,848
2015	380,361.34	3,005	5,493	374,868	62.79	5,970
	14,196,794.43	4,940,468	9,017,193	5,179,601		96,403
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 53.7 0.68						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT L04 - LIGHTING SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R4						
NET SALVAGE PERCENT.. 0						
1967	45,238.49	37,955	45,238			
1968	2,726.81	2,259	2,727			
1970	42,486.22	34,210	42,486			
1971	28,226.00	22,378	28,226			
1974	16,618.25	12,514	16,618			
1975	39,752.16	29,385	39,752			
1976	4,407.08	3,196	4,407			
1977	29,959.51	21,295	29,960			
1978	67,894.94	47,255	67,035	860	15.20	57
1979	83,571.46	56,912	80,735	2,836	15.95	178
1980	25,900.92	17,245	24,464	1,437	16.71	86
1981	9,888.87	6,430	9,122	767	17.49	44
1982	33,845.59	21,465	30,450	3,396	18.29	186
1983	10,991.30	6,793	9,636	1,355	19.10	71
1985	3,562.54	2,083	2,955	608	20.76	29
1986	5,857.33	3,326	4,718	1,139	21.61	53
1987	39,322.35	21,643	30,702	8,620	22.48	383
1988	9,837.24	5,241	7,435	2,402	23.36	103
1989	18,023.88	9,282	13,167	4,857	24.25	200
1990	35,606.52	17,696	25,104	10,503	25.15	418
1991	18,831.10	9,016	12,790	6,041	26.06	232
1992	2,735.87	1,260	1,787	949	26.98	35
2012	93,027.28	6,512	9,238	83,789	46.50	1,802
2013	257,991.58	12,900	18,300	239,692	47.50	5,046
	926,303.29	408,251	557,052	369,251		8,923
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						41.4 0.96

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT L05 - LIGHTNING ARRESTORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 58-R3						
NET SALVAGE PERCENT.. 0						
1967	44,408.00	31,476	44,408			
1968	50,362.17	35,149	50,362			
1970	61,016.99	41,229	61,017			
1977	65.00	38	62	3	23.72	
1978	19,225.18	11,114	18,190	1,035	24.47	42
1980	290.19	160	262	28	25.99	1
1981	2,066.49	1,113	1,822	244	26.77	9
1982	25,686.00	13,485	22,070	3,616	27.55	131
1986	5,702.63	2,675	4,378	1,325	30.79	43
1987	293.76	134	219	75	31.62	2
1988	811.34	357	584	227	32.45	7
1989	339.63	145	237	103	33.30	3
1992	0.01					
1994	2,591.45	909	1,488	1,103	37.65	29
1995	0.03					
1996	2,464.63	789	1,291	1,174	39.44	30
2000	5,055,707.52	1,298,811	2,125,676	2,930,032	43.10	67,982
2004	11,440.48	2,199	3,599	7,841	46.85	167
2005	79,719.06	14,019	22,944	56,775	47.80	1,188
2006	90,109.92	14,355	23,494	66,616	48.76	1,366
2007	13,132.00	1,875	3,069	10,063	49.72	202
2008	52,590.01	6,637	10,862	41,728	50.68	823
2009	80,001.12	8,759	14,335	65,666	51.65	1,271
2010	22,899.74	2,124	3,476	19,424	52.62	369
2011	57,338.86	4,359	7,134	50,205	53.59	937
2012	86,164.40	5,096	8,340	77,824	54.57	1,426
2013	17,692.67	750	1,228	16,465	55.54	296
2014	90,140.65	2,300	3,764	86,377	56.52	1,528
2015	321,349.88	3,278	5,365	315,985	48.52	6,512
	6,193,609.81	1,503,335	2,439,676	3,753,934		84,364
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 44.5 1.36						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT L06 - LINE COUPLING EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 24-R5						
NET SALVAGE PERCENT.. 0						
1984	11,225.56	11,071	11,226			
	11,225.56	11,071	11,226			
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M01 - MAIN BREAKERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 42-R0.5						
NET SALVAGE PERCENT.. -8						
1968	87,097.27	59,172	94,065			
1970	6,264.96	4,110	6,766			
1980	14,200.00	7,533	12,753	2,583	21.37	121
1983	14,000.00	6,862	11,617	3,503	22.94	153
1986	14,774.50	6,626	11,217	4,739	24.56	193
1991	4,678.14	1,762	2,983	2,069	27.35	76
1996	96,202.47	29,117	49,292	54,607	30.23	1,806
1997	4,516.36	1,298	2,197	2,681	30.82	87
1998	23,610.58	6,429	10,884	14,615	31.41	465
2001	47,957.90	10,864	18,391	33,404	33.19	1,006
2003	92,548.49	18,134	30,699	69,253	34.38	2,014
2004	27,895.94	5,036	8,525	21,603	34.98	618
2006	119,193.09	17,838	30,198	98,531	36.18	2,723
	552,939.70	174,781	289,587	307,588		9,262
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 33.2 1.68						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M02 - MARINE TERMINAL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 65-R4						
NET SALVAGE PERCENT.. -6						
1969	2,596,299.63	1,843,479	2,752,078			
1971	69,000.00	47,237	73,140			
1980	12,849.36	7,213	13,620			
1983	11,371.66	5,882	12,054			
1984	286,814.46	144,061	304,023			
2013	857,536.19	34,960	74,628	834,360	62.50	13,350
	3,833,871.30	2,082,832	3,229,543	834,360		13,350
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						62.5 0.35

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M03 - METALCLAD SWITCHGEAR CUB/EQU 4kv/600

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 45-R4						
NET SALVAGE PERCENT.. -6						
1968	431,573.00	401,249	457,467			
1980	780,388.00	599,083	814,153	13,058	12.41	1,052
1987	56,409.27	36,129	49,099	10,695	17.81	601
1994	567,211.45	281,118	382,040	219,204	23.96	9,149
1995	14,288.77	6,769	9,199	5,947	24.89	239
2015	383,774.09	4,800	6,523	400,277	41.70	9,599
	2,233,644.58	1,329,148	1,718,481	649,182		20,640
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						31.5 0.92

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M04 - METER TEST SWITCHES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R5						
NET SALVAGE PERCENT.. 0						
1981	9,277.57	8,294	9,278			
1982	1,993.00	1,753	1,978	15	4.21	4
1984	897.55	760	858	40	5.36	7
1987	11,856.77	9,326	10,525	1,332	7.47	178
1988	3,304.10	2,525	2,850	454	8.25	55
1991	12,722.44	8,789	9,918	2,804	10.82	259
1993	1,215.96	776	876	340	12.65	27
1994	11,342.69	6,935	7,826	3,517	13.60	259
1997	5,690.51	3,005	3,391	2,299	16.52	139
	58,300.59	42,163	47,500	10,800		928
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 11.6 1.59						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M05 - METERING TANKS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 37-R3						
NET SALVAGE PERCENT.. 0						
1966	2,500.00	2,281	2,500			
1968	7,113.61	6,391	7,114			
1970	3,981.00	3,516	3,981			
1972	7,362.00	6,381	7,362			
1978	5,434.41	4,372	5,390	44	7.23	6
1979	8,161.00	6,463	7,968	193	7.70	25
1981	131,092.38	100,197	123,537	7,555	8.72	866
1983	5,347.32	3,925	4,839	508	9.84	52
1984	11,116.01	7,983	9,843	1,273	10.43	122
1988	13,825.07	8,956	11,042	2,783	13.03	214
1989	11,884.85	7,475	9,216	2,669	13.73	194
1992	17,501.52	9,966	12,288	5,214	15.93	327
1993	36,142.64	19,839	24,460	11,683	16.69	700
1994	21,417.03	11,299	13,931	7,486	17.48	428
1996	14,331.25	6,941	8,558	5,773	19.08	303
1997	1,246.12	576	710	536	19.90	27
2011	66,568.46	7,898	9,738	56,830	32.61	1,743
2012	59,915.40	5,554	6,848	53,067	33.57	1,581
2013	95,443.06	6,320	7,792	87,651	34.55	2,537
2014	140,033.36	5,564	6,860	133,174	35.53	3,748
	660,416.49	231,897	283,977	376,440		12,873
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 29.2 1.95						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M06 - METERS - DIGITAL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 20-L3						
NET SALVAGE PERCENT.. 0						
1990	22,825.78	17,222	17,997	4,829	4.91	984
1991	374,351.59	277,956	290,461	83,891	5.15	16,290
1992	134,335.27	98,266	102,687	31,648	5.37	5,893
1993	3,358.12	2,423	2,532	826	5.57	148
1994	86,708.38	61,780	64,559	22,149	5.75	3,852
1995	19,048.53	13,410	14,013	5,036	5.92	851
1996	51,918.38	36,109	37,734	14,184	6.09	2,329
1997	116,144.02	79,733	83,320	32,824	6.27	5,235
1998	149,674.43	101,105	105,654	44,020	6.49	6,783
1999	89,708.70	59,342	62,012	27,697	6.77	4,091
2000	22,935.00	14,782	15,447	7,488	7.11	1,053
2001	149,440.00	93,101	97,290	52,150	7.54	6,916
2002	193,794.17	115,695	120,900	72,894	8.06	9,044
2003	64,795.71	36,707	38,358	26,438	8.67	3,049
2004	202,181.96	107,561	112,400	89,782	9.36	9,592
2005	100,278.86	49,538	51,767	48,512	10.12	4,794
2006	59,047.43	26,748	27,951	31,096	10.94	2,842
2007	88,321.99	36,212	37,841	50,481	11.80	4,278
2008	72,758.52	26,593	27,789	44,970	12.69	3,544
2009	1,436,699.35	459,025	479,677	957,022	13.61	70,318
2010	394,115.26	107,199	112,022	282,093	14.56	19,375
2011	308,158.46	69,027	72,133	236,025	15.52	15,208
2012	521,108.69	90,933	95,024	426,085	16.51	25,808
2013	711,833.66	88,979	92,982	618,852	17.50	35,363
2014	89,571.49	6,718	7,020	82,551	18.50	4,462
2015	411,554.67	11,647	12,171	399,384	17.17	23,261
	5,874,668.42	2,087,811	2,181,741	3,692,927		285,363

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 12.9 4.86

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M07 - METERS - ANALOGUE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-L2						
NET SALVAGE PERCENT.. 0						
1981	138,968.27	97,889	138,968			
1983	11,142.31	7,626	11,097	45	7.89	6
1984	56,507.73	38,109	55,455	1,053	8.14	129
1987	145,955.65	94,054	136,866	9,090	8.89	1,022
1988	197,071.51	125,101	182,045	15,027	9.13	1,646
1989	148,738.52	92,991	135,318	13,420	9.37	1,432
	698,383.99	455,770	659,749	38,635		4,235
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 9.1 0.61						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M08 - METERS - OTHER

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 22-L4						
NET SALVAGE PERCENT.. 0						
1987	450.00	385	411	39	3.18	12
1988	11,760.00	9,942	10,612	1,148	3.40	338
1993	8,812.52	7,110	7,589	1,224	4.25	288
1994	13,132.41	10,494	11,201	1,931	4.42	437
1995	22,190.79	17,501	18,680	3,511	4.65	755
1996	16,112.88	12,466	13,306	2,807	4.98	564
1997	39,570.21	29,822	31,831	7,739	5.42	1,428
1998	833.04	607	648	185	5.97	31
2000	1,765.00	1,175	1,254	511	7.36	69
2003	15,820.86	8,773	9,364	6,457	9.80	659
2004	3,754.50	1,932	2,062	1,692	10.68	158
2005	27,658.30	13,075	13,956	13,702	11.60	1,181
2006	21,750.00	9,343	9,972	11,778	12.55	938
2012	79,242.94	12,607	13,456	65,787	18.50	3,556
	262,853.45	135,232	144,342	118,512		10,414
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 11.4						3.96

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M10 - MISCELLANEOUS UNITS OF PROPERTY

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 22-R1.5						
NET SALVAGE PERCENT.. 0						
1970	6,185.00	6,185	6,185			
1985	315,254.84	259,943	315,255			
1989	795,281.80	607,667	795,282			
1990	825,974.72	616,854	825,975			
1991	50,436.68	36,750	50,437			
2004	15,584.21	6,212	11,257	4,327	13.23	327
2007	17,122.85	5,160	9,351	7,772	15.37	506
2010	20,438,077.12	4,069,017	7,373,837	13,064,240	17.62	741,444
2011	1,339,679.15	219,828	398,370	941,309	18.39	51,186
2013	1,581,834.50	145,956	264,501	1,317,334	19.97	65,966
2014	110,378.30	6,171	11,183	99,195	20.77	4,776
2015	320,146.61	11,909	21,581	298,566	12.96	23,038
	25,815,955.78	5,991,652	10,083,214	15,732,742		887,243
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 17.7						3.44

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M11 - MOBILE - A.T.V.'S AND SNOWMOBILES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 6-L3						
NET SALVAGE PERCENT.. +20						
2007	46,853.00	29,611	37,482			
2008	72,292.00	43,279	57,834			
2009	156,935.00	89,557	125,548			
2010	91,663.35	50,232	73,331			
2011	156,948.00	79,730	123,955	1,603	2.19	732
2012	83,583.00	35,996	55,962	10,904	2.77	3,936
2013	803,692.66	259,323	403,166	239,788	3.58	66,980
2014	279,015.41	55,430	86,176	137,036	4.51	30,385
2015	215,756.83	16,328	25,385	147,220	4.78	30,799
	1,906,739.25	659,486	988,839	536,552		132,832
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.0 6.97						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M12 - MOBILE - AIR COMPRESSOR ATTACHMENT AND BOAT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 20-L0						
NET SALVAGE PERCENT.. +20						
1979	87,567.04	44,064	70,054			
1980	0.01					
1981	3,430.57	1,669	2,744			
1986	15,409.87	6,799	12,328			
1988	32,750.14	13,821	26,200			
1989	25,669.08	10,576	20,535			
1993	13,484.38	4,978	10,788			
1994	4,062.24	1,454	3,250			
1996	11,982.66	4,007	9,586			
1997	12,900.00	4,159	10,320			
1998	2,375.00	736	1,900			
1999	31,217.74	9,278	24,974			
2000	17,995.00	5,118	14,396			
2006	12,599.00	2,500	10,079			
2009	77,874.00	11,650	59,636	2,663	16.26	164
2010	22,689.00	2,986	15,285	2,866	16.71	172
2011	24,400.00	2,743	14,041	5,479	17.19	319
2012	35,640.00	3,265	16,713	11,799	17.71	666
	432,045.73	129,803	322,829	22,807		1,321
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 17.3 0.31						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M13 - MOBILE - ARGO'S

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 9-R5						
NET SALVAGE PERCENT.. +20						
2010	117,000.00	56,992	93,600			
2011	22,239.69	8,896	17,792			
2012	59,494.00	18,509	47,595			
2013	88,553.28	19,679	111,081	40,239-		
	287,286.97	104,076	270,068	40,239-		
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M14 - MOBILE - FLEX/FORK/LOAD/GRADE/MUSK/TRAILER

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 18-L3						
NET SALVAGE PERCENT.. +20						
1981	42,744.83	31,042	34,196			
1982	10,643.83	7,630	8,515			
1984	13,077.69	9,120	10,462			
1988	134,706.88	88,307	107,766			
1989	86,197.29	55,511	68,958			
1990	43,680.00	27,625	34,944			
1992	145,304.06	88,603	116,243			
1993	36,994.60	22,147	29,596			
1995	30,432.96	17,624	24,346			
1998	371,250.63	206,415	297,001			
1999	283,809.60	155,401	227,048			
2000	222,125.00	119,356	177,700			
2001	282,760.01	148,293	225,349	859	6.20	139
2002	179,687.00	91,200	138,590	5,160	6.58	784
2003	15,997.87	7,779	11,821	977	7.06	138
2004	136,636.50	62,914	95,606	13,703	7.64	1,794
2005	328,255.24	141,368	214,826	47,778	8.31	5,749
2006	622,272.69	246,973	375,306	122,512	9.07	13,507
2007	396,251.24	142,828	217,045	99,956	9.89	10,107
2008	1,164,855.27	375,344	570,381	361,503	10.75	33,628
2009	851,566.55	240,333	365,216	316,037	11.65	27,128
2010	352,166.32	84,833	128,914	152,819	12.58	12,148
2011	1,777,190.38	353,064	536,524	885,228	13.53	65,427
2012	819,248.40	127,075	193,106	462,293	14.51	31,860
2013	363,231.41	40,359	61,330	229,255	15.50	14,791
2014	1,486,091.26	99,069	150,548	1,038,325	16.50	62,929
2015	384,134.71	9,649	14,663	292,645	15.40	19,003
	10,581,312.22	2,999,862	4,436,000	4,029,050		299,132
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 13.5						2.83

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M16 - MULTIPLEX EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 18-S1.5						
NET SALVAGE PERCENT.. 0						
1980	72,014.91	71,455	72,015			
1999	37,192.70	25,229	37,193			
2000	108,463.34	70,862	108,463			
2001	736,804.61	461,733	718,722	18,083	6.72	2,691
2002	353,971.09	211,597	329,367	24,604	7.24	3,398
2003	609,578.15	345,765	538,209	71,369	7.79	9,162
2004	4,819.61	2,578	4,013	807	8.37	96
2005	62,819.85	31,410	48,892	13,928	9.00	1,548
2008	138,997.61	52,973	82,456	56,542	11.14	5,076
2010	495,304.03	143,638	223,584	271,720	12.78	21,261
2011	12,028.86	2,900	4,514	7,515	13.66	550
2012	180,222.11	34,242	53,300	126,922	14.58	8,705
	2,812,216.87	1,454,382	2,220,728	591,489		52,487
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						11.3 1.87

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT 001 - OFFICE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 20-SQUARE						
NET SALVAGE PERCENT.. 0						
1996	16,183.45	15,779	16,183			
1997	66,014.61	61,064	66,015			
1998	3,480.00	3,045	3,480			
1999	54,164.38	44,686	54,164			
2000	48,627.79	37,687	48,628			
2001	24,963.81	18,099	24,964			
2002	21,822.24	14,730	21,790	32	6.50	5
2003	37,899.07	23,687	35,040	2,859	7.50	381
2004	32,921.94	18,930	28,003	4,919	8.50	579
2005	9,608.92	5,045	7,463	2,146	9.50	226
2006	77,147.66	36,645	54,209	22,939	10.50	2,185
2007	23,654.54	10,053	14,872	8,783	11.50	764
2008	134,350.49	50,381	74,529	59,821	12.50	4,786
2009	48,737.86	15,840	23,432	25,306	13.50	1,875
2010	280,792.29	77,218	114,229	166,563	14.50	11,487
2011	117,705.69	26,484	39,178	78,528	15.50	5,066
2012	65,898.39	11,532	17,060	48,838	16.50	2,960
2013	47,195.96	5,899	8,726	38,470	17.50	2,198
2014	169,148.66	12,686	18,767	150,382	18.50	8,129
2015	6,121.97	153	226	5,896	19.50	302
	1,286,439.72	489,643	670,958	615,481		40,943

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 15.0 3.18

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT 002 - OFFICE FURNITURE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 20-SQUARE						
NET SALVAGE PERCENT.. 0						
1996	29,219.24	28,489	29,219			
1997	36,590.65	33,846	36,591			
1998	79,197.16	69,298	79,197			
1999	80,433.08	66,357	80,433			
2000	211,310.15	163,765	204,954	6,356	4.50	1,412
2001	22,901.71	16,604	20,780	2,122	5.50	386
2002	29,959.88	20,223	25,309	4,651	6.50	716
2003	16,175.45	10,110	12,653	3,522	7.50	470
2004	7,439.05	4,277	5,353	2,086	8.50	245
2005	85,208.45	44,734	55,985	29,223	9.50	3,076
2006	119,900.15	56,953	71,278	48,622	10.50	4,631
2007	59,862.92	25,442	31,841	28,022	11.50	2,437
2008	85,940.49	32,228	40,334	45,606	12.50	3,648
2009	130,101.60	42,283	52,918	77,184	13.50	5,717
2010	194,647.39	53,528	66,991	127,656	14.50	8,804
2011	84,517.24	19,016	23,799	60,718	15.50	3,917
2012	90,136.68	15,774	19,741	70,396	16.50	4,266
2013	24,491.46	3,061	3,831	20,660	17.50	1,181
2014	36,046.62	2,703	3,383	32,664	18.50	1,766
2015	53,910.54	1,348	1,687	52,224	19.50	2,678
	1,477,989.91	710,039	866,277	611,713		45,350
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 13.5 3.07						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P01 - P.C.B. STORAGE CONTAINER

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 30-R4						
NET SALVAGE PERCENT.. 0						
1991	42,479.84	31,605	41,427	1,052	7.68	137
	42,479.84	31,605	41,427	1,052		137
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 7.7						0.32

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P02 - PABX - PRIVATE AUTO BRANCH EXCHANGE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 20-R4						
NET SALVAGE PERCENT.. 0						
1998	37,491.90	29,356	37,492			
2000	258,657.30	184,811	258,657			
2003	84,331.38	50,388	78,648	5,683	8.05	706
2006	800,527.97	372,246	581,020	219,508	10.70	20,515
	1,181,008.55	636,801	955,817	225,191		21,221
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 10.6 1.80						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P03 - PENSTOCK

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 70-R4						
NET SALVAGE PERCENT.. -8						
1966	13,597,173.00	9,744,490	5,227,231	9,457,716	23.55	401,602
1967	6,972,000.00	4,912,641	2,635,285	4,894,475	24.33	201,170
1970	351,355.39	234,509	125,798	253,666	26.74	9,486
1979	11,030,667.78	6,045,075	3,242,756	8,670,365	34.48	251,461
1982	12,972,402.67	6,560,834	3,519,425	10,490,770	37.22	281,858
1985	4,690,571.00	2,170,348	1,164,239	3,901,578	40.01	97,515
1989	414,557.06	167,511	89,858	357,864	43.81	8,169
2003	6,732,225.16	1,294,203	694,248	6,576,555	57.54	114,295
2006	2,147,468.60	314,098	168,492	2,150,774	60.52	35,538
	58,908,420.66	31,443,709	16,867,332	46,753,763		1,401,094
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						33.4 2.38

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P04 - POLE CRIBS AND POLE HARDWARE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-S2.5						
NET SALVAGE PERCENT.. -20						
1968	1,845.17	1,943	1,842	372	4.29	87
1970	77,086.69	79,950	75,808	16,696	4.75	3,515
1978	11,761.12	11,291	10,706	3,407	7.00	487
1979	1,413.56	1,341	1,272	424	7.34	58
1981	3,061,318.96	2,824,471	2,678,127	995,456	8.09	123,048
1982	1,428,282.57	1,298,669	1,231,381	482,558	8.48	56,905
1983	727,698.47	651,182	617,442	255,796	8.90	28,741
1984	896,385.01	788,611	747,751	327,911	9.34	35,108
1985	736,521.61	636,098	603,140	280,686	9.81	28,612
1986	1,193,610.51	1,010,811	958,438	473,895	10.30	46,009
1987	2,151,281.92	1,784,204	1,691,759	889,779	10.81	82,311
1988	1,154,830.63	936,397	887,880	497,917	11.35	43,869
1989	1,696,041.19	1,342,105	1,272,567	762,682	11.92	63,983
1990	1,761,660.55	1,358,388	1,288,006	825,987	12.51	66,026
1991	1,767,156.41	1,325,070	1,256,414	864,174	13.13	65,817
1992	1,095,693.13	797,169	755,865	558,967	13.78	40,564
1993	1,292,032.25	909,890	862,746	687,693	14.46	47,558
1994	1,579,697.47	1,074,011	1,018,363	877,274	15.17	57,830
1995	1,861,510.71	1,218,389	1,155,261	1,078,552	15.91	67,791
1996	2,633,416.42	1,654,976	1,569,227	1,590,873	16.67	95,433
1997	4,885,285.29	2,937,854	2,785,635	3,076,707	17.46	176,215
1998	1,878,680.76	1,076,958	1,021,158	1,233,259	18.28	67,465
1999	1,372,514.80	747,268	708,550	938,468	19.12	49,083
2000	2,050,387.44	1,055,195	1,000,522	1,459,943	19.99	73,034
2001	2,399,127.49	1,161,456	1,101,278	1,777,675	20.88	85,138
2002	4,734,632.00	2,145,981	2,034,792	3,646,766	21.78	167,436
2003	3,265,505.84	1,375,980	1,304,687	2,613,920	22.71	115,100
2004	3,602,858.68	1,402,045	1,329,401	2,994,029	23.65	126,597
2005	3,462,816.60	1,234,730	1,170,755	2,984,625	24.60	121,326
2006	4,537,133.14	1,466,928	1,390,922	4,053,638	25.57	158,531
2007	3,973,884.13	1,152,633	1,092,912	3,675,749	26.54	138,498
2008	5,702,540.68	1,460,512	1,384,839	5,458,210	27.53	198,264
2009	5,642,349.74	1,255,513	1,190,461	5,580,359	28.51	195,733
2010	5,042,753.64	949,208	900,027	5,151,277	29.51	174,560
2011	7,085,136.89	1,093,123	1,036,485	7,465,679	30.50	244,776
2012	7,655,567.91	918,668	871,069	8,315,612	31.50	263,988
2013	15,939,566.56	1,366,276	1,295,485	17,831,995	32.50	548,677
2014	1,880,919.80	96,739	91,727	2,165,377	33.50	64,638
2015	8,130,250.53	154,150	146,163	9,610,137	31.24	307,623
	118,371,156.27	42,756,183	40,540,863	101,504,524		4,230,434

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 24.0 3.57

NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P05 - POLE STRUCTURES - WOOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 57-R3						
NET SALVAGE PERCENT.. -20						
1967	1,368,472.29	1,178,616	1,053,667	588,500	16.09	36,576
1968	686,797.97	582,696	520,922	303,236	16.70	18,158
1969	420,665.37	351,320	314,075	190,723	17.33	11,005
1970	2,780,493.34	2,284,698	2,042,489	1,294,103	17.97	72,015
1971	20,688.28	16,712	14,940	9,886	18.63	531
1974	2,809,521.88	2,148,846	1,921,039	1,450,387	20.67	70,169
1975	4,543.00	3,407	3,046	2,406	21.38	113
1976	111,728.97	82,091	73,388	60,687	22.10	2,746
1977	289,602.19	208,329	186,243	161,280	22.83	7,064
1978	5,599,369.39	3,940,769	3,522,994	3,196,249	23.57	135,607
1979	3,913.00	2,693	2,408	2,288	24.31	94
1980	867,615.85	583,225	521,395	519,744	25.07	20,732
1981	6,018,792.76	3,948,352	3,529,773	3,692,778	25.84	142,909
1982	6,850,067.63	4,381,139	3,916,679	4,303,402	26.62	161,660
1983	5,788,514.54	3,605,920	3,223,644	3,722,573	27.41	135,811
1984	443,026.83	268,522	240,055	291,577	28.21	10,336
1985	2,041,402.54	1,202,500	1,075,019	1,374,664	29.02	47,370
1986	169,584.93	96,967	86,687	116,815	29.84	3,915
1987	4,807,814.12	2,666,087	2,383,446	3,385,931	30.66	110,435
1988	2,640,192.35	1,417,371	1,267,111	1,901,120	31.50	60,353
1989	585,499.62	303,966	271,742	430,858	32.34	13,323
1990	23,934,682.00	11,997,594	10,725,687	17,995,931	33.19	542,209
1991	223,252.59	107,866	96,431	171,472	34.05	5,036
1992	143,107.01	66,522	59,470	112,258	34.92	3,215
1993	127,323.81	56,854	50,827	101,962	35.79	2,849
1994	115,719.28	49,528	44,277	94,586	36.67	2,579
1995	3,027,560.94	1,239,060	1,107,703	2,525,370	37.56	67,236
1996	6,014,190.95	2,347,411	2,098,554	5,118,475	38.46	133,086
1997	284,490.40	105,649	94,449	246,939	39.36	6,274
1998	3,247,147.94	1,143,684	1,022,438	2,874,140	40.27	71,372
1999	81,830.77	27,237	24,350	73,847	41.19	1,793
2000	6,781,138.74	2,125,724	1,900,368	6,236,998	42.11	148,112
2001	4,203,315.22	1,235,321	1,104,360	3,939,618	43.04	91,534
2002	1,106,847.87	303,631	271,442	1,056,775	43.97	24,034
2003	4,285,684.52	1,090,844	975,200	4,167,621	44.91	92,799
2004	455,122.20	106,739	95,423	450,724	45.86	9,828
2005	2,515,578.70	539,652	482,442	2,536,252	46.81	54,182
2006	4,551,912.00	885,493	791,619	4,670,675	47.76	97,795
2007	487,546.53	84,985	75,975	509,081	48.72	10,449
2008	2,858,815.26	440,555	393,850	3,036,728	49.68	61,126
2009	3,045,510.63	407,124	363,963	3,290,650	50.65	64,968
2010	591,671.63	67,017	59,912	650,094	51.62	12,594
2011	3,723,983.33	345,750	309,096	4,159,684	52.59	79,096

Newfoundland and Labrador Hydro
2016 Depreciation Study

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P05 - POLE STRUCTURES - WOOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 57-R3						
NET SALVAGE PERCENT.. -20						
2012	2,562,848.59	185,079	165,458	2,909,960	53.57	54,321
2013	2,491,211.49	129,025	115,347	2,874,107	54.54	52,697
2014	4,784,879.85	149,059	133,257	5,608,599	55.52	101,019
2015	3,836,606.31	47,881	42,805	4,561,123	47.58	95,862
	129,790,285.41	54,559,510	48,775,465	106,972,878		2,946,987
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						36.3 2.27

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P06 - POLES - CONCRETE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-R4						
NET SALVAGE PERCENT.. -20						
1981	23,208.03	26,992	25,031	2,819	0.77	2,819
1982	72,462.60	83,442	77,380	9,575	1.01	9,480
1984	58,940.77	66,457	61,629	9,100	1.51	6,026
1986	69,138.28	76,130	70,599	12,367	2.06	6,003
1987	10,316.62	11,216	10,401	1,979	2.35	842
1990	23,134.24	23,952	22,212	5,549	3.43	1,618
1994	34,476.00	31,988	29,665	11,706	5.67	2,065
1997	1,639.61	1,354	1,256	712	7.79	91
1999	571.34	429	398	288	9.35	31
2005	15,775.50	7,830	7,261	11,670	14.66	796
2014	24,097.27	1,735	1,608	27,308	23.50	1,162
	333,760.26	331,525	307,440	93,072		30,933
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 3.0						9.27

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P07 - POLES - WOOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 43-R1						
NET SALVAGE PERCENT.. -20						
1968	1,429.92	1,170	1,716			
1970	17,408.79	13,798	20,891			
1978	2,920.56	1,989	3,438	67	18.59	4
1979	287.20	191	330	15	19.12	1
1981	1,553,445.95	987,992	1,707,915	156,220	20.21	7,730
1982	486,800.75	302,000	522,059	62,102	20.77	2,990
1983	348,061.32	210,391	363,697	53,977	21.34	2,529
1984	430,502.34	253,378	438,008	78,595	21.91	3,587
1985	131,555.88	75,262	130,103	27,764	22.50	1,234
1986	901,692.63	501,002	866,069	215,962	23.09	9,353
1987	1,101,007.77	593,619	1,026,173	295,036	23.68	12,459
1988	943,974.25	492,890	852,046	280,723	24.29	11,557
1989	1,606,604.49	811,522	1,402,857	525,068	24.90	21,087
1990	1,001,598.39	488,592	844,616	357,302	25.52	14,001
1991	829,595.79	390,102	674,359	321,156	26.15	12,281
1992	757,385.96	342,832	592,645	316,218	26.78	11,808
1993	952,488.78	414,138	715,909	427,078	27.42	15,575
1994	1,338,365.33	557,633	963,965	642,073	28.07	22,874
1995	951,666.66	379,247	655,594	486,406	28.72	16,936
1996	1,577,293.90	599,965	1,037,144	855,609	29.37	29,132
1997	1,948,899.80	705,416	1,219,434	1,119,246	30.03	37,271
1998	1,152,928.92	395,754	684,129	699,386	30.70	22,781
1999	951,172.04	308,716	533,669	607,737	31.37	19,373
2000	1,146,005.31	350,513	605,923	769,283	32.04	24,010
2001	1,271,276.81	364,709	630,463	895,069	32.72	27,355
2002	6,273,454.43	1,680,734	2,905,440	4,622,705	33.40	138,404
2003	1,513,912.45	376,437	650,737	1,165,958	34.09	34,202
2004	1,430,524.60	328,151	567,266	1,149,364	34.78	33,047
2005	1,946,928.17	409,135	707,261	1,629,053	35.47	45,928
2006	4,237,066.54	808,788	1,398,130	3,686,350	36.16	101,946
2007	2,043,174.40	350,094	605,198	1,846,611	36.86	50,098
2008	1,910,171.40	289,460	500,382	1,791,824	37.57	47,693
2009	1,439,822.76	189,659	327,858	1,399,929	38.28	36,571
2010	6,400,391.33	716,281	1,238,216	6,442,254	38.99	165,228
2011	2,459,336.59	225,797	390,329	2,560,875	39.71	64,489
2012	3,783,242.36	271,349	469,074	4,070,817	40.43	100,688
2013	4,806,162.69	246,787	426,614	5,340,781	41.16	129,757
2014	4,724,196.35	146,318	252,936	5,416,100	41.89	129,293
2015	8,231,876.13	231,151	399,585	9,478,667	20.87	454,177
	72,604,629.74	15,812,962	27,332,178	59,793,378		1,857,449

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 32.2 2.56

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P08 - POWER LINE CARRIER

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-R3						
NET SALVAGE PERCENT.. -6						
1978	50,794.89	51,366	53,843			
1980	901,642.38	892,280	955,741			
1982	10,151.14	9,826	10,760			
1990	1,997.13	1,710	2,117			
1995	319,668.37	236,787	338,848			
1996	115,824.11	82,602	122,774			
1999	532,472.13	331,879	525,099	39,321	10.30	3,818
2000	1,168,541.93	691,169	1,093,568	145,086	11.05	13,130
2002	594,654.98	311,889	493,471	136,863	12.63	10,836
2003	258,180.09	126,436	200,047	73,624	13.45	5,474
2004	287,074.34	130,362	206,259	98,040	14.29	6,861
2008	368,553.14	112,199	177,521	213,145	17.82	11,961
2009	351,267.78	93,086	147,281	225,063	18.75	12,003
2012	10,750.00	1,554	2,459	8,936	21.59	414
	4,971,572.41	3,073,145	4,329,788	940,079		64,497
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 14.6 1.30						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P09 - POWER SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 20-L3						
NET SALVAGE PERCENT.. -6						
1980	3,939.62	3,664	3,591	585	2.45	239
1990	3,702.71	2,961	2,902	1,023	4.91	208
1992	2,349.84	1,822	1,786	705	5.37	131
1997	29,300.16	21,321	20,895	10,163	6.27	1,621
1998	2,672.81	1,914	1,876	957	6.49	147
1999	4,402.88	3,087	3,025	1,642	6.77	243
2000	7,428.22	5,075	4,974	2,900	7.11	408
2003	374,436.07	224,845	220,349	176,553	8.67	20,364
2004	29,433.83	16,598	16,266	14,934	9.36	1,596
2006	96,294.52	46,239	45,314	56,758	10.94	5,188
2007	1,087.65	473	464	689	11.80	58
2008	24,903.99	9,649	9,456	16,942	12.69	1,335
2012	23,109.92	4,275	4,189	20,308	16.51	1,230
2013	47,739.50	6,325	6,199	44,405	17.50	2,537
2014	13,790.40	1,096	1,074	13,544	18.50	732
	664,592.12	349,344	342,360	362,108		36,037

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 10.0 5.42

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P10 - POWERHOUSE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 75-R3						
NET SALVAGE PERCENT.. -8						
1966	6,311,169.11	4,008,731	2,148,243	4,667,820	30.89	151,111
1967	4,570,325.24	2,853,622	1,529,230	3,406,721	31.64	107,671
1969	2,852,512.87	1,719,038	921,217	2,159,497	33.15	65,143
1970	2,813,125.00	1,664,100	891,776	2,146,399	33.92	63,278
1971	3,591,077.62	2,083,961	1,116,776	2,761,588	34.70	79,585
1976	5,000.00	2,614	1,401	3,999	38.70	103
1978	1,083,475.00	540,763	289,790	880,363	40.34	21,824
1979	6,557,377.81	3,193,472	1,711,353	5,370,615	41.18	130,418
1980	2,154,843.14	1,023,353	548,406	1,778,825	42.02	42,333
1981	242,625.77	112,290	60,175	201,861	42.86	4,710
1982	12,555,601.74	5,655,490	3,030,726	10,529,324	43.72	240,835
1983	4,570,723.64	2,002,838	1,073,303	3,863,079	44.57	86,674
1984	11,985,754.79	5,101,861	2,734,042	10,210,573	45.44	224,705
1985	6,005,216.38	2,480,949	1,329,518	5,156,116	46.31	111,339
1986	10,005.17	4,008	2,148	8,658	47.18	184
1987	219,450.45	85,102	45,605	191,401	48.07	3,982
1988	1,492,250.75	559,768	299,975	1,311,656	48.95	26,796
1989	1,071,438.20	388,028	207,941	949,212	49.85	19,041
1990	38,861.82	13,576	7,275	34,696	50.74	684
1991	10,918.56	3,671	1,967	9,825	51.65	190
1993	2,707,655.42	839,470	449,864	2,474,404	53.47	46,276
1994	44,880.61	13,320	7,138	41,333	54.39	760
1995	148,263.24	42,037	22,527	137,597	55.31	2,488
1997	7,274.98	1,868	1,001	6,856	57.17	120
1998	9,563.03	2,326	1,246	9,082	58.11	156
2000	107,638.74	23,265	12,468	103,782	59.99	1,730
2003	20,849,611.08	3,650,775	1,956,419	20,561,161	62.84	327,199
2006	83,289.00	11,118	5,958	83,994	65.73	1,278
2008	110,785.58	11,710	6,275	113,373	67.66	1,676
2013	136,303.49	4,828	2,587	144,621	72.54	1,994
2014	405,707.09	8,645	4,633	433,531	73.52	5,897
2015	966,020.00	8,242	4,417	1,038,885	62.79	16,545
	93,718,745.32	38,114,839	20,425,400	80,790,845		1,786,725
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						45.2 1.91

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P11 - PRINTERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 6-SQUARE						
NET SALVAGE PERCENT.. 0						
2010	33,674.17	30,868	33,674			
2011	109,892.75	82,420	109,893			
2012	442,736.53	258,262	440,915	1,822	2.50	729
2013	234,151.87	97,564	166,565	67,587	3.50	19,311
2014	127,631.90	31,908	54,475	73,157	4.50	16,257
2015	89,913.38	7,492	12,791	77,123	5.50	14,022
	1,038,000.60	508,514	818,313	219,688		50,319
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.4						4.85

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P12 - PROTECTIVE CONTROL AND RELAY PANELS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R3						
NET SALVAGE PERCENT.. 0						
1967	284,441.83	263,069	284,442			
1968	57,082.00	52,369	57,082			
1980	274,001.64	220,533	274,002			
1984	65,632.30	48,999	65,632			
1987	97,943.45	68,057	97,943			
1988	11,036.18	7,467	11,036			
1995	81,935.56	43,543	69,049	12,887	16.40	786
1996	422,516.97	214,879	340,748	81,769	17.20	4,754
1999	123,789.76	54,256	86,037	37,753	19.66	1,920
2003	1,715,668.03	581,371	921,918	793,750	23.14	34,302
2004	267,884.42	83,885	133,022	134,862	24.04	5,610
2005	136,944.76	39,322	62,355	74,590	24.95	2,990
2006	84,139.78	21,949	34,806	49,334	25.87	1,907
2007	417,771.63	97,880	155,215	262,557	26.80	9,797
2008	67,175.89	13,934	22,096	45,080	27.74	1,625
2009	143,451.35	25,863	41,013	102,438	28.69	3,571
2010	77,951.21	11,916	18,896	59,055	29.65	1,992
2011	272,015.61	34,119	54,105	217,911	30.61	7,119
2012	1,802,811.24	176,153	279,337	1,523,474	31.58	48,242
2013	1,875,300.36	131,271	208,164	1,667,136	32.55	51,218
2014	424,664.40	17,836	28,284	396,380	33.53	11,822
2015	802,970.72	13,490	21,392	781,579	29.26	26,712
	9,507,129.09	2,222,161	3,266,574	6,240,555		214,367
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 29.1						2.25

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R01 - RADIO TOWERS (WOOD OR STEEL)

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 48-R3						
NET SALVAGE PERCENT.. -14						
1980	1,129,316.10	830,927	1,287,420			
1982	163,082.69	114,492	185,914			
1984	345,750.61	230,747	394,156			
1990	60,871.98	33,844	69,394			
1993	20,347.95	10,110	23,197			
2001	2,219,146.63	731,019	1,700,743	829,084	34.13	24,292
2003	4,407,288.75	1,259,192	2,929,557	2,094,752	35.97	58,236
2005	231,191.05	55,732	129,663	133,895	37.85	3,538
2007	365,470.35	71,695	166,801	249,835	39.74	6,287
2009	181,643.40	27,350	63,631	143,442	41.66	3,443
2010	214,646.98	27,377	63,694	181,004	42.63	4,246
2012	157,380.61	12,821	29,828	149,586	44.57	3,356
2013	262,969.06	15,301	35,598	264,186	45.55	5,800
	9,759,106.16	3,420,607	7,079,596	4,045,785		109,198
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						37.0 1.12

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R02 - RADIOS - FIXED MICROWAVE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 19-R5						
NET SALVAGE PERCENT.. 0						
1980	133,758.69	133,759	133,759			
2001	2,927,352.03	2,183,190	2,716,833	210,519	4.83	43,586
2003	1,936,460.85	1,263,792	1,572,704	363,757	6.60	55,115
2007	184,426.72	82,507	102,674	81,753	10.50	7,786
2010	52,446.64	15,182	18,893	33,554	13.50	2,485
2012	42,443.68	7,819	9,730	32,714	15.50	2,111
2014	935,875.16	73,887	91,948	843,927	17.50	48,224
	6,212,763.77	3,760,136	4,646,541	1,566,223		159,307
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 9.8						2.56

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R03 - RADIOS - FIXED UHF EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 15-L0.5						
NET SALVAGE PERCENT.. 0						
2008	39,521.58	12,094	16,134	23,388	10.41	2,247
2009	49,779.53	13,805	18,417	31,363	10.84	2,893
2012	8,976.21	1,544	2,060	6,916	12.42	557
2015	3,385.14	198	264	3,121	8.04	388
	101,662.46	27,641	36,875	64,787		6,085
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 10.6 5.99						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R04 - RADIOS - FIXED VHF EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 19-R3						
NET SALVAGE PERCENT.. 0						
1992	161,678.78	143,128	161,679			
2003	118,245.16	69,330	106,929	11,316	7.86	1,440
2004	560.00	306	472	88	8.61	10
2006	211,040.32	97,524	150,413	60,627	10.22	5,932
2010	68,641.70	19,039	29,364	39,278	13.73	2,861
	560,165.96	329,327	448,857	111,309		10,243
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 10.9						1.83

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R05 - RADIOS - MOBILE VHF BASE STATION

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 15-R4						
NET SALVAGE PERCENT.. 0						
1990	3,162.00	3,162	3,162			
1999	25,964.56	23,195	25,965			
2000	13,354.38	11,592	13,354			
2003	142,198.39	107,407	132,744	9,454	3.67	2,576
2004	2,800.00	1,982	2,450	350	4.38	80
2006	5,570,753.44	3,364,735	4,158,470	1,412,283	5.94	237,758
2007	449,236.51	245,881	303,884	145,353	6.79	21,407
2010	353,405.39	128,170	158,405	195,000	9.56	20,397
2011	2,650.00	790	976	1,674	10.53	159
2012	715,139.17	165,912	205,051	510,089	11.52	44,279
	7,278,663.84	4,052,826	5,004,461	2,274,203		326,656
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 7.0						4.49

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R06 - RAMPS - YARD STORAGE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-R3						
NET SALVAGE PERCENT.. 0						
1975	23,739.53	23,331	23,740			
1979	41,423.85	39,104	41,424			
1982	17,210.71	15,717	17,211			
1987	32,563.96	27,849	32,564			
1989	105,848.63	87,304	102,299	3,550	4.38	811
1990	80,081.66	64,674	75,782	4,300	4.81	894
1991	18,109.67	14,285	16,739	1,371	5.28	260
1992	11,484.17	8,824	10,340	1,144	5.79	198
1993	49,461.82	36,918	43,259	6,203	6.34	978
1996	49,965.87	33,617	39,391	10,575	8.18	1,293
1999	91,261.53	53,662	62,879	28,383	10.30	2,756
2001	54,773.84	28,855	33,811	20,963	11.83	1,772
2005	37,371.68	14,724	17,253	20,119	15.15	1,328
2006	157,317.16	56,508	66,213	91,104	16.02	5,687
2007	62,524.29	20,233	23,708	38,816	16.91	2,295
2008	128,268.49	36,839	43,166	85,102	17.82	4,776
2009	275,236.83	68,809	80,627	194,610	18.75	10,379
2010	194,580.30	41,407	48,519	146,061	19.68	7,422
2014	30,779.66	1,810	2,121	28,659	23.53	1,218
2015	131,553.97	3,078	3,607	127,947	20.87	6,131
	1,593,557.62	677,548	784,653	808,905		48,198
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 16.8 3.02						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R07 - REACTORS AND RESISTORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 40-S4						
NET SALVAGE PERCENT.. 0						
1968	20,083.02	18,366	14,534	5,549	3.42	1,623
1977	30,440.00	25,729	20,361	10,079	6.19	1,628
1978	8,000.00	6,674	5,282	2,718	6.63	410
1981	11,332.11	9,026	7,143	4,189	8.14	515
1995	706,182.60	361,389	285,991	420,192	19.53	21,515
1996	31,021.13	15,107	11,955	19,066	20.52	929
2000	201,957.01	78,258	61,931	140,026	24.50	5,715
2006	15,887.39	3,773	2,986	12,901	30.50	423
2012	19,747.12	1,728	1,368	18,379	36.50	504
2014	105,579.69	3,959	3,133	102,447	38.50	2,661
2015	74,835.30	965	763	74,072	38.26	1,936
	1,225,065.37	524,974	415,447	809,618		37,859
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 21.4						3.09

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R08- RECLOSERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 48-R3						
NET SALVAGE PERCENT.. -8						
1967	6,652.00	5,770	7,184			
1968	56,551.87	48,453	61,076			
1970	127,939.91	106,740	138,175			
1971	23,480.43	19,310	25,359			
1975	254,501.39	196,067	274,862			
1976	13,304.00	10,064	14,113	255	14.38	18
1978	51,386.25	37,380	52,420	3,077	15.67	196
1979	14,000.00	9,973	13,986	1,134	16.34	69
1981	247,844.16	168,855	236,796	30,876	17.72	1,742
1982	210,284.73	139,860	196,134	30,974	18.44	1,680
1983	13,679.99	8,877	12,449	2,325	19.16	121
1984	195,909.41	123,864	173,702	37,880	19.90	1,904
1985	148,118.05	91,148	127,822	32,145	20.65	1,557
1986	10,486.97	6,272	8,796	2,530	21.42	118
1987	120,202.29	69,805	97,892	31,926	22.19	1,439
1988	192,446.10	108,338	151,929	55,913	22.98	2,433
1989	80,623.21	43,935	61,613	25,460	23.78	1,071
1990	168,883.99	88,956	124,748	57,647	24.59	2,344
1991	53,470.41	27,177	38,112	19,636	25.41	773
1992	68,483.94	33,529	47,020	26,943	26.24	1,027
1993	42,735.36	20,115	28,209	17,945	27.08	663
1994	308,115.99	139,136	195,119	137,646	27.93	4,928
1995	78,765.23	34,044	47,742	37,324	28.79	1,296
1996	46,812.70	19,328	27,105	23,453	29.65	791
1997	152,244.41	59,844	83,923	80,501	30.53	2,637
1998	225,640.57	84,176	118,045	125,647	31.42	3,999
1999	28,552.97	10,080	14,136	16,701	32.31	517
2000	125,112.26	41,607	58,348	76,773	33.22	2,311
2001	74,492.85	23,247	32,601	47,851	34.13	1,402
2002	36,048.05	10,503	14,729	24,203	35.05	691
2003	243,555.38	65,923	92,448	170,592	35.97	4,743
2004	7,409.35	1,849	2,593	5,409	36.91	147
2005	184,703.55	42,182	59,154	140,326	37.85	3,707
2006	44,673.53	9,258	12,983	35,264	38.79	909
2008	156,994.85	25,786	36,161	133,393	40.70	3,277
2009	191,161.39	27,268	38,240	168,214	41.66	4,038
2010	460,161.79	55,602	77,974	419,001	42.63	9,829
2011	294,224.11	29,129	40,849	276,913	43.60	6,351
2012	786,434.97	60,695	85,116	764,234	44.57	17,147

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R08- RECLOSERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 48-R3						
NET SALVAGE PERCENT.. -8						
2013	767,583.00	42,312	59,337	769,653	45.55	16,897
2014	286,332.34	9,469	13,279	295,960	46.53	6,361
2015	558,602.79	7,420	10,405	592,886	40.15	14,767
	7,158,606.54	2,163,346	3,012,684	4,718,611		123,900
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						38.1 1.73

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R09 - REGULATORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 40-S0.5						
NET SALVAGE PERCENT.. -8						
1968	18,866.12	14,594	18,554	1,821	11.35	160
1970	54,167.14	40,760	51,819	6,682	12.13	551
1971	180,731.24	134,095	170,477	24,713	12.52	1,974
1975	236,210.70	164,799	209,512	45,596	14.16	3,220
1977	37,253.00	25,126	31,943	8,290	15.02	552
1980	723,370.55	461,908	587,231	194,009	16.35	11,866
1981	114,979.59	72,023	91,564	32,614	16.80	1,941
1982	94,913.39	58,249	74,053	28,453	17.27	1,648
1983	36,438.00	21,900	27,842	11,511	17.74	649
1984	65,838.76	38,717	49,221	21,885	18.22	1,201
1985	228,343.71	131,259	166,872	79,739	18.71	4,262
1987	96,206.56	52,679	66,972	36,931	19.72	1,873
1988	101,884.72	54,358	69,106	40,929	20.24	2,022
1989	2,844.72	1,477	1,878	1,194	20.77	57
1990	120,936.14	61,061	77,628	52,983	21.30	2,487
1993	97,861.56	44,971	57,172	48,518	22.98	2,111
1994	24,330.81	10,793	13,721	12,556	23.57	533
1995	65,641.15	28,073	35,690	35,202	24.16	1,457
1997	103,909.72	40,989	52,110	60,112	25.39	2,368
2000	18,916.42	6,466	8,220	12,210	27.34	447
2001	5,317.92	1,719	2,185	3,558	28.03	127
2002	26,690.60	8,129	10,335	18,491	28.72	644
2003	150,883.10	43,020	54,692	108,262	29.44	3,677
2004	122,332.16	32,468	41,277	90,842	30.17	3,011
2005	36,569.64	8,975	11,410	28,085	30.91	909
2006	89,712.14	20,153	25,621	71,268	31.68	2,250
2007	71,728.09	14,583	18,540	58,926	32.47	1,815
2008	243,153.44	44,183	56,170	206,436	33.27	6,205
2009	402,868.52	64,177	81,589	353,509	34.10	10,367
2010	317,705.00	43,405	55,181	287,940	34.94	8,241
2011	342,450.78	38,741	49,252	320,595	35.81	8,953
2012	616,673.74	54,946	69,854	596,154	36.70	16,244
2013	537,169.67	34,664	44,068	536,075	37.61	14,254
2014	158,574.53	6,251	7,947	163,313	38.54	4,237
2015	122,166.67	2,375	3,020	128,920	27.20	4,740
	5,667,640.00	1,882,086	2,392,726	3,728,325		127,053

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 29.3 2.24

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R11- REVENUE METERING

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R3						
NET SALVAGE PERCENT.. 0						
1967	12,751.00	11,793	12,045	706	2.63	268
1968	6,820.00	6,257	6,391	429	2.89	148
1970	8,301.90	7,493	7,653	649	3.41	190
1974	13,100.00	11,397	11,640	1,460	4.55	321
1976	9,983.00	8,497	8,678	1,305	5.21	250
1977	8,738.30	7,345	7,502	1,236	5.58	222
1978	37,976.15	31,499	32,171	5,805	5.97	972
1979	7,907.86	6,464	6,602	1,306	6.39	204
1980	37,702.15	30,345	30,993	6,709	6.83	982
1981	32,616.27	25,813	26,364	6,252	7.30	856
1982	2,521.70	1,960	2,002	520	7.80	67
1983	33,124.09	25,250	25,789	7,335	8.32	882
1984	29,812.28	22,257	22,732	7,080	8.87	798
1985	14,504.27	10,588	10,814	3,690	9.45	390
1986	43,276.88	30,850	31,509	11,768	10.05	1,171
1987	34,327.14	23,853	24,362	9,965	10.68	933
1988	31,848.65	21,548	22,008	9,841	11.32	869
1989	23,844.81	15,676	16,011	7,834	11.99	653
1990	15,631.27	9,968	10,181	5,450	12.68	430
1991	16,516.52	10,198	10,416	6,101	13.39	456
1992	34,331.48	20,481	20,918	13,413	14.12	950
1994	5,484.96	3,036	3,101	2,384	15.63	153
1995	7,534.74	4,004	4,089	3,446	16.40	210
1996	29,464.09	14,985	15,305	14,159	17.20	823
1997	9,378.65	4,555	4,652	4,727	18.00	263
2001	121,485.76	47,275	48,284	73,202	21.38	3,424
2002	86,636.39	31,561	32,234	54,402	22.25	2,445
2003	39,573.82	13,410	13,696	25,878	23.14	1,118
2009	89,696.48	16,171	16,516	73,180	28.69	2,551
2012	27,330.13	2,670	2,727	24,603	31.58	779
2014	87,162.67	3,661	3,739	83,424	33.53	2,488
2015	283,532.20	4,763	4,865	278,667	29.26	9,524
	1,242,915.61	485,623	495,989	746,926		35,790

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 20.9 2.88

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R12 - RIGHT-OF-WAYS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 65-R4						
NET SALVAGE PERCENT.. 0						
1966	1,057,755.13	745,315	833,259	224,496	19.20	11,692
1967	1,713,673.55	1,187,970	1,328,145	385,529	19.94	19,334
1968	274,316.09	186,999	209,064	65,252	20.69	3,154
1969	85,289.66	57,131	63,872	21,418	21.46	998
1970	299,538.55	197,096	220,352	79,187	22.23	3,562
1973	5,734.27	3,562	3,982	1,752	24.62	71
1974	574,591.95	349,708	390,972	183,620	25.44	7,218
1976	134,344.85	78,292	87,530	46,815	27.12	1,726
1977	25,664.00	14,621	16,346	9,318	27.97	333
1978	2,890,160.13	1,608,259	1,798,026	1,092,134	28.83	37,882
1980	122,188.63	64,704	72,339	49,850	30.58	1,630
1981	1,116,248.39	575,817	643,761	472,487	31.47	15,014
1982	793,264.95	398,219	445,207	348,058	32.37	10,752
1983	1,786,100.11	871,617	974,464	811,636	33.28	24,388
1984	66,937.79	31,718	35,461	31,477	34.20	920
1985	1,714,103.64	787,956	880,931	833,173	35.12	23,724
1986	39,975.47	17,804	19,905	20,070	36.05	557
1987	563,160.38	242,677	271,312	291,848	36.99	7,890
1988	175,696.96	73,171	81,805	93,892	37.93	2,475
1989	549,774.56	220,927	246,995	302,780	38.88	7,788
1990	786,220.76	304,448	340,371	445,850	39.83	11,194
1991	168,758.87	62,856	70,273	98,486	40.79	2,414
1992	23,974.15	8,575	9,587	14,387	41.75	345
1993	88,237.17	30,245	33,814	54,423	42.72	1,274
1994	36,190.83	11,865	13,265	22,926	43.69	525
1995	324,798.29	101,636	113,629	211,169	44.66	4,728
1996	531,645.83	158,351	177,036	354,610	45.64	7,770
1997	182,916.05	51,723	57,826	125,090	46.62	2,683
1998	590,349.41	158,031	176,678	413,671	47.60	8,691
1999	103,742.35	26,207	29,299	74,443	48.58	1,532
2000	15,017.65	3,565	3,986	11,032	49.57	223
2001	10,532.16	2,340	2,616	7,916	50.56	157
2002	1,429,050.07	295,699	330,590	1,098,460	51.55	21,309
2003	32,707.00	6,270	7,010	25,697	52.54	489
2004	79,298.85	13,993	15,644	63,655	53.53	1,189
2005	128,687.90	20,729	23,175	105,513	54.53	1,935
2006	1,128,537.74	164,597	184,018	944,520	55.52	17,012
2007	99,457.18	12,975	14,506	84,951	56.52	1,503
2008	149,366.07	17,211	19,242	130,124	57.51	2,263
2009	166,356.00	16,611	18,571	147,785	58.51	2,526
2010	97,644.83	8,247	9,220	88,425	59.51	1,486
2011	13,878.97	959	1,072	12,807	60.51	212
2012	345,323.60	18,596	20,790	324,534	61.50	5,277

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R12 - RIGHT-OF-WAYS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 65-R4						
NET SALVAGE PERCENT.. 0						
2013	444,049.95	17,078	19,093	424,957	62.50	6,799
2014	311,667.47	7,193	8,042	303,625	63.50	4,781
2015	452,720.59	3,712	4,150	448,570	60.48	7,417
	21,729,648.80	9,237,275	10,327,231	11,402,418		296,842
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						38.4 1.37

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R13 - ROADS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 60-R4						
NET SALVAGE PERCENT.. -8						
1967	40,992.69	32,673	12,330	31,942	15.72	2,032
1968	22,493.01	17,644	6,658	17,634	16.42	1,074
1969	490,478.00	378,392	142,796	386,920	17.14	22,574
1970	128,175.47	97,201	36,681	101,749	17.87	5,694
1971	27,000.00	20,115	7,591	21,569	18.61	1,159
1973	11,211.47	8,046	3,036	9,072	20.13	451
1977	11,758.50	7,761	2,929	9,770	23.33	419
1978	11,048.80	7,128	2,690	9,243	24.16	383
1979	5,061.00	3,188	1,203	4,263	25.00	171
1980	3,165,500.82	1,945,845	734,317	2,684,424	25.85	103,846
1981	15,766.30	9,447	3,565	13,463	26.71	504
1982	2,911.13	1,698	641	2,503	27.59	91
1983	9,598,932.99	5,447,778	2,055,866	8,310,982	28.47	291,921
1984	60,540,101.27	33,389,295	12,600,352	52,782,957	29.36	1,797,785
1985	316,785.74	169,525	63,975	278,154	30.27	9,189
1986	13,242.22	6,869	2,592	11,710	31.18	376
1988	1,306,655.61	634,329	239,381	1,171,807	33.03	35,477
1989	363,353.41	170,311	64,271	328,151	33.96	9,663
1990	52,244.27	23,604	8,908	47,516	34.90	1,361
1991	54,563.98	23,719	8,951	49,978	35.85	1,394
1993	5,411.45	2,166	817	5,027	37.76	133
1994	25,140.01	9,630	3,634	23,517	38.72	607
1995	10,006.93	3,658	1,380	9,427	39.69	238
1996	3,959.23	1,378	520	3,756	40.66	92
1997	15,649.07	5,172	1,952	14,949	41.64	359
2000	155,870.51	43,263	16,326	152,014	44.58	3,410
2001	432,343.06	112,297	42,378	424,553	45.57	9,317
2002	44,013.10	10,648	4,018	43,516	46.56	935
2003	767,915.72	172,090	64,943	764,406	47.55	16,076
2005	1,358,343.31	255,993	96,606	1,370,405	49.53	27,668
2007	935,334.53	142,766	53,877	956,284	51.52	18,561
2008	404,864.35	54,582	20,598	416,655	52.51	7,935
2009	324,318.06	37,888	14,298	335,966	53.51	6,279
2010	983,257.78	97,166	36,669	1,025,249	54.51	18,808
2011	1,053,370.50	85,130	32,126	1,105,514	55.51	19,916
2012	245,591.86	15,471	5,839	259,400	56.50	4,591
2013	51,671.03	2,325	877	54,928	57.50	955
2014	505,599.92	13,651	5,152	540,896	58.50	9,246
2015	939,809.96	8,932	3,371	1,011,624	56.00	18,065
	84,440,747.06	43,468,774	16,404,114	74,791,893		2,448,755

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 30.5 2.90



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Newfoundland and Labrador Hydro
2016 Depreciation Study

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R14 - ROUTERS AND LAN

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 5-SQUARE						
NET SALVAGE PERCENT.. 0						
2011	651,646.86	586,482	651,647			
2012	673,410.48	471,387	673,410			
2013	268,747.57	134,374	223,667	45,081	2.50	18,032
2014	286,810.01	86,043	143,219	143,591	3.50	41,026
2015	850,362.78	85,036	141,544	708,819	4.50	157,515
	2,730,977.70	1,363,322	1,833,487	897,491		216,573
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.1						7.93

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R15 - RUNNER

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R5						
NET SALVAGE PERCENT.. 0						
1967	5,230,693.06	4,368,099	3,187,705	2,042,988	9.07	225,247
1968	1,448,949.16	1,192,355	870,144	578,805	9.74	59,426
1970	1,458,564.95	1,161,820	847,861	610,704	11.19	54,576
1977	130,312.00	90,034	65,704	64,608	17.00	3,800
1980	50,343.45	32,266	23,547	26,796	19.75	1,357
1985	2,644,906.00	1,464,326	1,068,620	1,576,286	24.55	64,207
1989	583,387.23	280,983	205,053	378,334	28.51	13,270
1994	16,158.41	6,316	4,609	11,549	33.50	345
1996	59,841.42	21,217	15,483	44,358	35.50	1,250
1998	46,687.84	14,855	10,841	35,847	37.50	956
	11,669,843.52	8,632,271	6,299,567	5,370,277		424,434
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 12.7						3.64

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S01 - SCADA EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 20-L3						
NET SALVAGE PERCENT.. 0						
1980	127,277.80	111,686	127,278			
1986	55,464.80	44,705	55,465			
1989	27,913.07	21,409	27,913			
1990	73,377.15	55,363	73,377			
1995	14,286.26	10,058	14,286			
1998	18,979.59	12,821	18,443	537	6.49	83
1999	180,642.42	119,495	171,893	8,749	6.77	1,292
2001	330,081.74	205,641	295,813	34,269	7.54	4,545
2002	398,819.76	238,095	342,498	56,322	8.06	6,988
2003	562,865.09	318,863	458,682	104,183	8.67	12,016
2004	343,355.76	182,665	262,763	80,593	9.36	8,610
2005	203,547.66	100,553	144,645	58,903	10.12	5,820
2006	225,887.94	102,327	147,197	78,691	10.94	7,193
2007	275,766.06	113,064	162,642	113,124	11.80	9,587
2008	280,808.49	102,636	147,641	133,167	12.69	10,494
2009	251,993.65	80,512	115,816	136,178	13.61	10,006
2010	366,628.59	99,723	143,451	223,178	14.56	15,328
2011	86,307.46	19,333	27,810	58,497	15.52	3,769
2012	73,526.84	12,830	18,456	55,071	16.51	3,336
2013	209,687.85	26,211	37,704	171,984	17.50	9,828
2014	27,323.88	2,049	2,947	24,377	18.50	1,318
2015	795,391.14	22,510	32,381	763,010	17.17	44,439
	4,929,933.00	2,002,549	2,829,101	2,100,832		154,652
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 13.6 3.14						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S02 - SECTIONALIZERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-R5						
NET SALVAGE PERCENT.. 0						
1968	48,466.85	48,467	48,467			
1975	23,769.58	23,770	23,770			
1986	1,941.08	1,855	1,531	410	1.11	369
1989	1,726.87	1,596	1,318	409	1.89	216
1991	46,552.06	41,487	34,249	12,303	2.72	4,523
1996	22,003.75	16,714	13,798	8,206	6.01	1,365
2000	4,105.58	2,532	2,091	2,015	9.58	210
2010	5,443.11	1,197	988	4,455	19.50	228
	154,008.88	137,618	126,212	27,797		6,911
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.0 4.49						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S03 - SERVERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 7-SQUARE						
NET SALVAGE PERCENT.. 0						
2009	52,745.62	48,978	52,746			
2010	1,661,109.97	1,305,151	1,661,110			
2011	358,846.88	230,688	358,847			
2012	183,377.26	91,689	183,377			
2013	257,792.01	92,068	240,975	16,817	4.50	3,737
2014	440,602.61	94,417	247,122	193,481	5.50	35,178
2015	64,729.57	4,624	12,103	52,627	6.50	8,096
	3,019,203.92	1,867,615	2,756,280	262,924		47,011
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.6 1.56						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S04 - SEWAGE DISPOSAL SYSTEM

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R4						
NET SALVAGE PERCENT.. -6						
1967	10,112.35	8,443	10,719			
1968	7,791.63	6,406	8,259			
1969	132,528.13	107,276	140,480			
1970	14,085.17	11,217	14,930			
1971	1,387.00	1,086	1,470			
1972	4,653.28	3,580	4,932			
1977	7,861.00	5,483	8,333			
1978	34,016.40	23,208	36,057			
1980	143,118.72	93,202	151,706			
1981	2,667.48	1,694	2,828			
1982	3,000.00	1,857	3,180			
1983	95,005.41	57,256	100,706			
1988	2,697.73	1,395	2,659	201	28.16	7
1989	308,017.92	153,869	293,334	33,165	29.08	1,140
1990	50,007.03	24,095	45,934	7,073	30.00	236
1992	15,841.00	7,062	13,463	3,328	31.87	104
1995	131,238.24	51,270	97,741	41,372	34.73	1,191
1996	13,483.21	5,015	9,561	4,731	35.70	133
1997	4,233.64	1,496	2,852	1,636	36.67	45
1998	55,598.68	18,602	35,463	23,472	37.64	624
1999	976,185.68	308,171	587,493	447,264	38.62	11,581
2002	355,826.77	92,167	175,706	201,470	41.56	4,848
2003	97,910.98	23,493	44,787	58,999	42.55	1,387
2006	35,314.99	6,445	12,287	25,147	45.53	552
2007	58,129.37	9,500	18,111	43,506	46.52	935
2008	44,604.54	6,430	12,258	35,023	47.52	737
2009	44,878.73	5,613	10,700	36,871	48.51	760
2010	125,757.70	13,306	25,366	107,937	49.51	2,180
2011	143,366.51	12,407	23,653	128,315	50.51	2,540
	2,919,319.29	1,061,044	1,894,968	1,199,510		29,000
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 41.4 0.99						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S05 - SOFTWARE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 7-SQUARE						
NET SALVAGE PERCENT.. 0						
2009	1,013,220.31	940,846	762,788	250,432	0.50	250,432
2010	1,384,293.79	1,087,653	881,811	502,483	1.50	334,989
2011	1,302,502.98	837,327	678,860	623,643	2.50	249,457
2012	1,018,232.31	509,116	412,764	605,468	3.50	172,991
2013	2,774,542.51	990,900	803,369	1,971,174	4.50	438,039
2014	1,012,715.03	217,015	175,944	836,771	5.50	152,140
2015	1,576,292.03	112,595	91,286	1,485,006	6.50	228,462
	10,081,798.96	4,695,452	3,806,822	6,274,977		1,826,510
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 3.4						18.12

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S06 - SPILLWAY STRUCTURES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 110-R4						
NET SALVAGE PERCENT.. -8						
1956	37,231.12	21,103	7,168	33,042	52.27	632
1966	2,136,380.00	1,019,407	346,252	1,961,038	61.40	31,939
1967	2,261,132.00	1,058,055	359,379	2,082,644	62.34	33,408
1979	3,482,644.79	1,237,115	420,199	3,341,057	73.82	45,260
1982	11,830,011.26	3,863,076	1,312,133	11,464,279	76.74	149,391
1983	2,949.09	935	318	2,867	77.72	37
1984	6,511,055.23	2,000,938	679,639	6,352,301	78.70	80,715
1988	28,771.28	7,729	2,625	28,448	82.64	344
1991	35,581.53	8,524	2,895	35,533	85.60	415
1992	6,707.73	1,542	524	6,720	86.59	78
2003	1,737,806.17	212,926	72,323	1,804,508	97.52	18,504
2015	50,000.00	259	88	53,912	102.60	525
	28,120,270.20	9,431,609	3,203,543	27,166,349		361,248
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						75.2 1.28

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S07 - STACKS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R4						
NET SALVAGE PERCENT.. -8						
1968	1,297,967.37	1,087,296	1,401,805			
1971	430,393.00	343,296	464,535	289	14.38	20
1974	69,609.69	52,584	71,155	4,023	16.53	243
1975	661,362.47	489,862	662,862	51,409	17.28	2,975
1976	8,601.34	6,243	8,448	841	18.04	47
1986	27,918.81	15,701	21,246	8,906	26.36	338
1988	6,132.90	3,232	4,373	2,251	28.16	80
1992	336,677.64	152,917	206,921	156,691	31.87	4,917
1995	36,955.81	14,710	19,905	20,007	34.73	576
1996	121,024.55	45,866	62,064	68,643	35.70	1,923
2001	94,022.28	26,623	36,025	65,519	40.58	1,615
2005	52,308.82	10,754	14,552	41,942	44.53	942
2007	108,179.45	18,013	24,374	92,460	46.52	1,988
2008	289,892.88	42,579	57,616	255,468	47.52	5,376
2011	527,981.53	46,553	62,994	507,226	50.51	10,042
2015	3,781,821.18	39,618	53,610	4,030,757	51.05	78,957
	7,850,849.72	2,395,847	3,172,485	5,306,433		110,039
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 48.2 1.40						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S08 - STATIC EXCITATION SYSTEM

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 32-R4						
NET SALVAGE PERCENT.. -6						
1967	951,235.75	1,005,477	816,518	191,792	0.09	191,792
1968	431,036.26	452,901	367,787	89,111	0.28	89,111
1970	688,732.45	714,316	580,075	149,981	0.69	149,981
1974	36,724.00	36,944	30,001	8,926	1.63	5,476
1975	32,918.00	32,832	26,662	8,231	1.89	4,355
1976	8,000.00	7,910	6,423	2,057	2.15	957
1977	8,000.00	7,836	6,363	2,117	2.43	871
1980	1,489,744.00	1,415,294	1,149,318	429,811	3.32	129,461
1982	25,045.38	23,196	18,837	7,711	4.04	1,909
1988	2,134.84	1,749	1,420	843	7.27	116
1989	219,265.38	174,753	141,912	90,509	7.94	11,399
1992	127,935.69	92,810	75,368	60,244	10.10	5,965
1998	20,098.07	11,291	9,169	12,135	15.04	807
2002	589,435.62	259,486	210,721	414,081	18.71	22,132
2003	590,425.47	241,341	195,986	429,865	19.66	21,865
2004	648,715.35	244,538	198,582	489,056	20.62	23,718
2012	563,071.00	65,093	52,860	543,995	28.51	19,081
2013	1,219,727.63	101,002	82,020	1,210,891	29.50	41,047
2015	680,819.64	11,980	9,729	711,940	29.53	24,109
	8,333,064.53	4,900,749	3,979,751	4,853,298		744,152
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 6.5						8.93

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S09 - STATIC EXCITATION - TRANSFORMERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 45-R4						
NET SALVAGE PERCENT.. -6						
1968	92,234.00	85,753	97,768			
1978	6,765.39	5,417	7,171			
1980	265,233.03	203,612	277,137	4,010	12.41	323
1982	44,965.17	32,983	44,893	2,770	13.86	200
1985	325,129.00	220,719	300,422	44,215	16.18	2,733
	734,326.59	548,484	727,391	50,995		3,256
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 15.7						0.44

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S10 - STATION SERVICE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R4						
NET SALVAGE PERCENT.. -6						
1966	491,604.69	442,415	374,999	146,102	7.55	19,351
1967	19,591.00	17,423	14,768	5,998	8.05	745
1968	7,386.55	6,486	5,498	2,332	8.58	272
1970	1,022.42	873	740	344	9.74	35
1971	151,872.00	127,628	108,180	52,804	10.36	5,097
1974	450.00	359	304	173	12.35	14
1975	1,500.00	1,175	996	594	13.04	46
1977	36,906.00	27,807	23,570	15,550	14.46	1,075
1978	8,987.26	6,630	5,620	3,906	15.20	257
1979	182,007.25	131,384	111,364	81,564	15.95	5,114
1980	202,598.85	142,984	121,196	93,559	16.71	5,599
1981	9,086.29	6,262	5,308	4,323	17.49	247
1982	7,725.34	5,193	4,402	3,787	18.29	207
1983	775,442.31	507,977	430,570	391,399	19.10	20,492
1985	512,446.00	317,659	269,254	273,939	20.76	13,196
1986	2,856.46	1,719	1,457	1,571	21.61	73
1987	2,668.56	1,557	1,320	1,509	22.48	67
1988	69,235.33	39,102	33,144	40,245	23.36	1,723
1989	98,106.21	53,556	45,395	58,598	24.25	2,416
1990	25,037.31	13,190	11,180	15,360	25.15	611
1991	2,774.58	1,408	1,193	1,748	26.06	67
1992	886.43	433	367	573	26.98	21
1993	2,443.94	1,145	971	1,620	27.91	58
1994	42,122.46	18,887	16,009	28,641	28.85	993
1995	21,028.01	9,009	7,636	14,654	29.79	492
1996	82,955.52	33,854	28,695	59,238	30.75	1,926
2002	1,362.83	388	329	1,116	36.58	31
2008	375,325.90	59,518	50,448	347,397	42.52	8,170
2009	339,502.31	46,711	39,593	320,279	43.51	7,361
2010	18,254.70	2,125	1,801	17,549	44.51	394
2011	26,312.12	2,505	2,123	25,768	45.51	566
2012	93,881.41	6,966	5,905	93,609	46.50	2,013
2013	27,928.40	1,480	1,254	28,350	47.50	597
2014	28,527.93	907	769	29,471	48.50	608
2015	1,563,499.52	17,567	14,891	1,642,419	46.45	35,359
	5,233,335.89	2,054,282	1,741,249	3,806,087		135,293

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 28.1 2.59

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S11 - STOP LOGS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 65-R4						
NET SALVAGE PERCENT.. 0						
1966	137,480.00	96,871	45,941	91,539	19.20	4,768
1967	148,478.00	102,929	48,814	99,664	19.94	4,998
1970	20,000.00	13,160	6,241	13,759	22.23	619
1979	561,958.08	305,188	144,736	417,222	29.70	14,048
1982	1,290,854.99	648,009	307,320	983,535	32.37	30,384
1983	12,373.49	6,038	2,864	9,509	33.28	286
1984	195,768.00	92,765	43,994	151,774	34.20	4,438
1988	65,388.47	27,232	12,915	52,473	37.93	1,383
1998	22,751.29	6,090	2,888	19,863	47.60	417
1999	22,847.30	5,772	2,737	20,110	48.58	414
2003	135,012.07	25,880	12,273	122,739	52.54	2,336
2008	207,322.36	23,890	11,330	195,992	57.51	3,408
2015	293,863.07	2,410	1,143	292,720	60.48	4,840
	3,114,097.12	1,356,234	643,196	2,470,901		72,339
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						34.2 2.32

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S12 - STORAGE PALLETS AND RACKINGS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 30-R3						
NET SALVAGE PERCENT.. 0						
1984	10,706.05	8,786	10,706			
1998	3,696.62	1,957	3,697			
	14,402.67	10,743	14,403			
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S13 - STORM AND YARD DRAINAGE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R4						
NET SALVAGE PERCENT.. 0						
1967	3,047.17	2,400	3,047			
1969	105,766.52	80,768	105,767			
1980	260,474.54	160,025	260,475			
1983	237,980.07	135,304	225,246	12,734	23.73	537
1985	374,229.91	200,928	334,492	39,738	25.47	1,560
1987	5,660.27	2,856	4,755	905	27.25	33
1988	963.97	470	782	182	28.16	6
1989	3,287.74	1,549	2,579	709	29.08	24
1990	36,594.92	16,634	27,691	8,904	30.00	297
1991	30,419.95	13,313	22,163	8,257	30.93	267
1992	39,856.38	16,762	27,904	11,952	31.87	375
1995	31,748.63	11,701	19,479	12,270	34.73	353
2009	67,290.58	7,940	13,218	54,073	48.51	1,115
2013	75,014.75	3,409	5,675	69,340	52.50	1,321
2014	36,378.00	992	1,652	34,726	53.50	649
	1,308,713.40	655,051	1,054,925	253,788		6,537
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 38.8 0.50						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S14 - STREET LIGHTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 20-R2						
NET SALVAGE PERCENT.. -6						
1981	54,255.98	55,527	57,511			
1982	7,797.99	7,869	8,266			
1983	1,970.32	1,958	2,073	16	1.25	13
1984	14,870.88	14,557	15,414	349	1.53	228
1986	10,258.60	9,727	10,299	575	2.11	273
1987	15,938.15	14,859	15,734	1,160	2.41	481
1988	29,761.78	27,273	28,878	2,669	2.71	985
1989	40,088.51	36,099	38,224	4,270	3.01	1,419
1990	64,177.85	56,668	60,003	8,026	3.34	2,403
1991	15,698.78	13,579	14,378	2,263	3.68	615
1992	33,394.44	28,230	29,892	5,506	4.05	1,360
1993	37,254.73	30,723	32,531	6,959	4.44	1,567
1994	35,848.17	28,784	30,478	7,521	4.85	1,551
1995	20,507.08	15,977	16,917	4,821	5.30	910
1996	43,177.00	32,564	34,481	11,287	5.77	1,956
1997	160,139.81	116,447	123,301	46,447	6.28	7,396
1998	78,991.65	55,221	58,471	25,260	6.81	3,709
1999	78,875.09	52,756	55,861	27,747	7.38	3,760
2000	102,207.84	65,167	69,003	39,337	7.97	4,936
2001	129,520.08	78,325	82,935	54,356	8.59	6,328
2002	113,267.13	64,594	68,396	51,667	9.24	5,592
2003	183,149.00	97,943	103,708	90,430	9.91	9,125
2004	197,169.97	98,230	104,011	104,989	10.60	9,905
2005	172,067.42	79,158	83,817	98,574	11.32	8,708
2006	195,791.12	82,393	87,242	120,297	12.06	9,975
2007	169,126.18	64,359	68,147	111,127	12.82	8,668
2008	218,006.97	73,948	78,300	152,787	13.60	11,234
2009	231,264.08	68,639	72,679	172,461	14.40	11,976
2010	189,899.06	48,109	50,941	150,352	15.22	9,879
2011	273,065.16	57,021	60,377	229,072	16.06	14,264
2012	188,079.80	30,802	32,615	166,750	16.91	9,861
2013	289,923.32	34,266	36,282	271,037	17.77	15,253
2014	193,673.80	13,857	14,673	190,621	18.65	10,221
2015	285,771.56	10,723	11,354	291,564	13.61	21,423
	3,874,989.30	1,566,352	1,657,192	2,450,297		195,974

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 12.5 5.06

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S15 - STRUCTURAL SUPPORTS (WOOD OR STEEL)

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R4						
NET SALVAGE PERCENT.. -6						
1967	213,565.83	178,306	219,728	6,652	11.68	570
1968	118,266.43	97,236	119,825	5,537	12.34	449
1970	625,023.62	497,735	613,364	49,161	13.68	3,594
1971	3,879.00	3,037	3,743	369	14.38	26
1974	40,813.35	30,260	37,290	5,972	16.53	361
1975	89,370.64	64,970	80,063	14,670	17.28	849
1976	86,734.84	61,783	76,136	15,803	18.04	876
1977	153,542.15	107,093	131,972	30,783	18.81	1,637
1978	840,408.57	573,376	706,577	184,256	19.60	9,401
1979	365,784.41	243,918	300,583	87,148	20.40	4,272
1980	253,554.46	165,120	203,479	65,289	21.21	3,078
1981	261,871.02	166,347	204,991	72,592	22.04	3,294
1982	674,886.46	417,782	514,837	200,543	22.88	8,765
1983	315,782.64	190,311	234,522	100,208	23.73	4,223
1984	14,166.81	8,300	10,228	4,789	24.60	195
1985	11,743.67	6,684	8,237	4,211	25.47	165
1986	75,722.14	41,797	51,507	28,758	26.36	1,091
1987	308,834.94	165,172	203,543	123,822	27.25	4,544
1988	79,011.14	40,871	50,366	33,386	28.16	1,186
1989	392,408.53	196,026	241,565	174,388	29.08	5,997
1990	895,903.74	431,667	531,948	417,710	30.00	13,924
1991	420,663.60	195,145	240,479	205,424	30.93	6,642
1992	611,539.56	272,614	335,945	312,287	31.87	9,799
1993	54,374.77	23,243	28,643	28,994	32.82	883
1994	168,570.90	68,972	84,995	93,690	33.77	2,774
1995	610,704.02	238,579	294,004	353,342	34.73	10,174
1996	278,697.88	103,666	127,749	167,671	35.70	4,697
1997	55,631.15	19,653	24,219	34,750	36.67	948
1998	197,201.80	65,979	81,307	127,727	37.64	3,393
1999	19,402.49	6,125	7,548	13,019	38.62	337
2000	304,743.10	90,448	111,460	211,568	39.60	5,343
2001	51,839.87	14,407	17,754	37,196	40.58	917
2002	95,124.17	24,639	30,363	70,469	41.56	1,696
2003	185,974.29	44,623	54,989	142,144	42.55	3,341
2004	14,790.11	3,267	4,026	11,652	43.54	268
2005	17,969.12	3,626	4,468	14,579	44.53	327
2006	18,876.25	3,445	4,245	15,764	45.53	346
2007	432,097.80	70,618	87,023	371,001	46.52	7,975
2008	33,346.06	4,807	5,924	29,423	47.52	619
2009	69,987.69	8,754	10,788	63,399	48.51	1,307
2010	226,254.53	23,940	29,502	210,328	49.51	4,248
2011	28,864.22	2,498	3,078	27,518	50.51	545

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S15 - STRUCTURAL SUPPORTS (WOOD OR STEEL)

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R4						
NET SALVAGE PERCENT.. -6						
2012	1,553,655.32	104,807	129,155	1,517,720	51.50	29,470
2014	308,262.78	8,911	10,981	315,778	53.50	5,902
2015	97,763.28	1,005	1,238	102,391	51.05	2,006
	11,677,609.15	5,091,562	6,274,387	6,103,879		172,454
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 35.4						1.48

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S17 - SUMP SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R4						
NET SALVAGE PERCENT.. 0						
1966	62,921.44	61,465	53,103	9,818	0.81	9,818
1979	54,056.59	47,153	40,739	13,318	4.47	2,979
1985	1,426.00	1,114	962	464	7.67	60
1988	21,760.44	15,711	13,574	8,186	9.73	841
1999	22,854.33	10,552	9,116	13,738	18.84	729
2009	75,619.94	14,000	12,096	63,524	28.52	2,227
2015	428,606.40	6,515	5,628	422,978	32.39	13,059
	667,245.14	156,510	135,218	532,027		29,713
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 17.9						4.45

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S18 - SURGE SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 60-R4						
NET SALVAGE PERCENT.. 0						
1966	1,578,845.51	1,183,613	1,313,100	265,746	15.02	17,693
1967	2,334,768.00	1,723,059	1,911,562	423,206	15.72	26,922
2002	299,651.03	67,122	74,465	225,186	46.56	4,836
2014	1,496,950.24	37,424	41,518	1,455,432	58.50	24,879
2015	1,262,674.34	11,112	12,328	1,250,347	56.00	22,328
	6,972,889.12	3,022,330	3,352,973	3,619,917		96,658
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						37.5 1.39

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S19 - STATION SWITCHING

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 38-S0.5						
NET SALVAGE PERCENT.. 0						
1965	95,998.62	73,818	87,581	8,418	8.78	959
1968	161,442.28	119,467	141,740	19,702	9.88	1,994
1970	1,000.00	720	854	146	10.64	14
1973	80,010.49	55,144	65,425	14,585	11.81	1,235
1980	256,525.40	157,088	186,375	70,150	14.73	4,762
1981	65,308.50	39,220	46,532	18,776	15.18	1,237
1982	123,205.18	72,528	86,050	37,155	15.63	2,377
1984	108,404.79	61,163	72,566	35,839	16.56	2,164
1985	2,461,120.55	1,358,145	1,611,358	849,763	17.03	49,898
1986	35,050.06	18,890	22,412	12,638	17.52	721
1987	50,537.58	26,585	31,542	18,996	18.01	1,055
1988	24,307.96	12,461	14,784	9,524	18.52	514
1989	125,368.04	62,585	74,253	51,115	19.03	2,686
1990	64,390.22	31,263	37,092	27,298	19.55	1,396
1991	66,301.23	31,249	37,075	29,226	20.09	1,455
1992	246,618.65	112,732	133,750	112,869	20.63	5,471
1994	309,425.68	132,239	156,894	152,532	21.76	7,010
1995	34,006.02	14,014	16,627	17,379	22.34	778
1996	146,348.10	58,001	68,815	77,533	22.94	3,380
1997	500,055.41	190,151	225,603	274,452	23.55	11,654
1998	224,915.13	81,858	97,120	127,795	24.17	5,287
1999	30,772.14	10,681	12,672	18,100	24.81	730
2000	411,071.49	135,654	160,945	250,126	25.46	9,824
2001	866,140.97	270,556	320,998	545,143	26.13	20,863
2002	815,476.44	240,133	284,903	530,573	26.81	19,790
2003	601,443.56	165,872	196,797	404,647	27.52	14,704
2004	8,687.61	2,231	2,647	6,041	28.24	214
2005	253,591.03	60,261	71,496	182,095	28.97	6,286
2006	143,720.54	31,278	37,109	106,612	29.73	3,586
2007	387,150.67	76,311	90,539	296,612	30.51	9,722
2008	903,906.47	159,377	189,091	714,815	31.30	22,838
2011	449,426.34	49,437	58,654	390,772	33.82	11,554
2012	60,152.93	5,224	6,198	53,955	34.70	1,555
2013	125,150.30	7,871	9,339	115,811	35.61	3,252
2014	1,413,001.86	53,920	63,973	1,349,029	36.55	36,909
	11,650,032.24	3,978,127	4,719,809	6,930,224		267,874
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 25.9 2.30						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S20 - SWITCHING SYSTEMS - L.V.

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 60-R5						
NET SALVAGE PERCENT.. 0						
1967	11,423.00	8,935	3,623	7,800	13.07	597
1969	12,000.00	9,064	3,676	8,324	14.68	567
1970	5,070.00	3,759	1,524	3,546	15.51	229
1978	42,949.00	26,700	10,827	32,122	22.70	1,415
1980	292,893.12	172,710	70,037	222,856	24.62	9,052
1982	341,312.01	190,223	77,139	264,173	26.56	9,946
1983	57,955.20	31,354	12,715	45,240	27.54	1,643
1985	1,030,337.00	523,411	212,253	818,084	29.52	27,713
1989	13,381.22	5,910	2,397	10,984	33.50	328
2012	2,137.86	125	51	2,087	56.50	37
2014	149,698.41	3,742	1,517	148,181	58.50	2,533
2015	345,451.74	2,936	1,191	344,261	58.32	5,903
	2,304,608.56	978,869	396,950	1,907,659		59,963
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						31.8 2.60

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T01 - TELECONTROL SYSTEM

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-L1.5						
NET SALVAGE PERCENT.. 0						
1967	155,517.13	123,356	155,517			
1968	150,292.25	118,070	150,292			
1970	486,115.14	374,114	486,115			
1974	139,723.79	102,781	139,724			
1975	38,228.01	27,784	38,228			
1976	7,194.87	5,163	7,195			
1977	43,794.87	31,024	43,795			
1978	28,102.56	19,638	28,103			
1980	679,315.49	461,663	679,315			
1982	25,527.39	16,838	25,527			
1984	13,123.52	8,383	13,124			
1985	125,247.66	78,706	125,248			
1987	32,460.35	19,723	32,460			
1988	12,474.58	7,450	12,269	206	10.07	20
1989	25,171.86	14,771	24,326	846	10.33	82
1990	67,835.32	39,073	64,348	3,487	10.60	329
1991	9,093.53	5,140	8,465	629	10.87	58
1992	210,249.91	116,563	191,964	18,286	11.14	1,641
1993	9,515.51	5,169	8,513	1,003	11.42	88
1995	340,055.68	176,829	291,215	48,841	12.00	4,070
1996	150,823.71	76,558	126,081	24,743	12.31	2,010
1997	230,157.88	113,790	187,397	42,761	12.64	3,383
1998	120,918.27	58,089	95,665	25,253	12.99	1,944
1999	658,698.64	306,427	504,646	154,053	13.37	11,522
2000	232,641.59	104,503	172,103	60,539	13.77	4,396
2001	629,924.69	272,127	448,158	181,767	14.20	12,800
2002	287,577.81	118,712	195,503	92,075	14.68	6,272
2003	1,272,180.85	499,204	822,125	450,056	15.19	29,628
2004	185,243.03	68,540	112,877	72,366	15.75	4,595
2005	68,977.27	23,839	39,260	29,717	16.36	1,816
2006	116,763.42	37,318	61,458	55,305	17.01	3,251
2007	155,855.93	45,510	74,949	80,907	17.70	4,571
2008	681,121.71	178,726	294,339	386,783	18.44	20,975
2009	153,434.75	35,597	58,624	94,811	19.20	4,938
2010	775,458.93	154,782	254,906	520,553	20.01	26,015
2011	2,127,249.56	353,123	581,548	1,545,702	20.85	74,134
2012	785,805.63	103,098	169,789	616,017	21.72	28,362

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T01 - TELECONTROL SYSTEM

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-L1.5						
NET SALVAGE PERCENT.. 0						
2013	308,556.04	29,375	48,377	260,179	22.62	11,502
2014	199,430.31	11,487	18,917	180,513	23.56	7,662
2015	689,419.53	19,580	32,246	657,174	17.14	38,342
	12,429,278.97	4,362,623	6,824,711	5,604,568		304,406
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 18.4						2.45

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T02 - TEST EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 20-SQUARE						
NET SALVAGE PERCENT.. 0						
1996	171,525.07	167,237	171,525			
1997	44,520.05	41,181	44,520			
1998	62,092.77	54,331	62,093			
1999	66,647.04	54,984	66,647			
2000	21,555.00	16,705	21,555			
2001	129,850.59	94,142	129,851			
2003	35,528.41	22,205	32,293	3,235	7.50	431
2004	56,187.58	32,308	46,985	9,203	8.50	1,083
2005	104,172.87	54,691	79,537	24,636	9.50	2,593
2006	125,767.44	59,740	86,880	38,887	10.50	3,704
2007	111,117.86	47,225	68,679	42,439	11.50	3,690
2008	118,554.56	44,458	64,655	53,900	12.50	4,312
2009	245,322.20	79,730	115,952	129,370	13.50	9,583
2010	143,454.99	39,450	57,372	86,083	14.50	5,937
2011	82,921.77	18,657	27,133	55,789	15.50	3,599
2012	51,402.18	8,995	13,081	38,321	16.50	2,322
2013	40,726.65	5,091	7,404	33,323	17.50	1,904
2014	279,396.00	20,955	30,475	248,921	18.50	13,455
2015	64,570.87	1,614	2,347	62,224	19.50	3,191
	1,955,313.90	863,699	1,128,984	826,330		55,804
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 14.8						2.85

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T03 - TOOLS AND EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 20-SQUARE						
NET SALVAGE PERCENT.. 0						
1996	200,248.76	195,243	200,249			
1997	488,362.83	451,736	488,363			
1998	244,471.89	213,913	244,472			
1999	673,202.49	555,392	673,202			
2000	323,762.71	250,916	323,763			
2001	211,193.15	153,115	204,742	6,451	5.50	1,173
2002	183,918.34	124,145	166,004	17,914	6.50	2,756
2003	326,809.44	204,256	273,126	53,683	7.50	7,158
2004	172,231.32	99,033	132,425	39,806	8.50	4,683
2005	452,386.88	237,503	317,583	134,804	9.50	14,190
2006	1,130,061.14	536,779	717,768	412,293	10.50	39,266
2007	613,104.06	260,569	348,427	264,677	11.50	23,015
2008	619,700.32	232,388	310,744	308,956	12.50	24,716
2009	1,999,143.86	649,722	868,793	1,130,351	13.50	83,730
2010	479,417.85	131,840	176,293	303,125	14.50	20,905
2011	790,951.91	177,964	237,969	552,983	15.50	35,676
2012	479,101.79	83,843	112,113	366,989	16.50	22,242
2013	817,875.96	102,234	136,705	681,171	17.50	38,924
2014	667,366.06	50,052	66,929	600,437	18.50	32,456
2015	561,016.93	14,025	18,754	542,263	19.50	27,808
	11,434,327.69	4,724,668	6,018,424	5,415,904		378,698
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 14.3						3.31

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T04 - TOWERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 65-R4						
NET SALVAGE PERCENT.. -20						
1967	7,774,613.38	6,467,514	5,053,292	4,276,244	19.94	214,456
1968	3,671,739.67	3,003,586	2,346,805	2,059,283	20.69	99,530
1970	647,368.87	511,162	399,389	377,454	22.23	16,979
1974	328,024.10	239,570	187,184	206,445	25.44	8,115
1976	67,922.93	47,500	37,113	44,395	27.12	1,637
1977	4,145,457.94	2,833,951	2,214,264	2,760,286	27.97	98,687
1981	133,177.73	82,440	64,413	95,400	31.47	3,031
1982	27,740.73	16,711	13,057	20,232	32.37	625
1983	5,228,146.18	3,061,602	2,392,135	3,881,640	33.28	116,636
1984	325,719.13	185,210	144,711	246,152	34.20	7,197
1985	14,909,454.99	8,224,473	6,426,065	11,465,281	35.12	326,460
1988	505,215.54	252,482	197,273	408,986	37.93	10,783
1989	692,670.62	334,020	260,981	570,224	38.88	14,666
1990	3,967,744.87	1,843,716	1,440,559	3,320,735	39.83	83,373
1991	1,445,942.58	646,267	504,951	1,230,180	40.79	30,159
1993	131,812.19	54,218	42,362	115,813	42.72	2,711
1996	28,732.47	10,270	8,024	26,455	45.64	580
1999	811,245.78	245,924	192,149	781,346	48.58	16,084
2000	7,662,860.96	2,182,812	1,705,506	7,489,927	49.57	151,098
2001	4,060,773.88	1,082,521	845,811	4,027,118	50.56	79,650
2002	7,597,273.00	1,886,433	1,473,935	7,642,793	51.55	148,260
2003	4,195,002.97	964,968	753,963	4,280,041	52.54	81,463
2004	2,053,137.11	434,756	339,690	2,124,075	53.53	39,680
2007	1,498,132.33	234,536	183,251	1,614,508	56.52	28,565
2010	102,678.68	10,407	8,131	115,083	59.51	1,934
2011	173,482.90	14,381	11,236	196,943	60.51	3,255
2012	5,527,731.64	357,202	279,095	6,354,183	61.50	103,320
2013	25,620.47	1,182	924	29,821	62.50	477
	77,739,423.64	35,229,814	27,526,269	65,761,040		1,689,411
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						38.9 2.17

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T05 - TRANSFORMERS - OTHER

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R3						
NET SALVAGE PERCENT.. -6						
1964	10,236.25	8,315	8,068	2,782	12.85	216
1965	2,170,497.40	1,740,615	1,689,003	611,724	13.39	45,685
1966	295,436.32	233,791	226,859	86,303	13.94	6,191
1967	2,550,570.08	1,990,339	1,931,322	772,282	14.51	53,224
1968	1,087,469.18	836,239	811,443	341,274	15.10	22,601
1969	1,581,634.14	1,197,648	1,162,136	514,396	15.71	32,743
1970	8,182,128.19	6,099,500	5,918,638	2,754,418	16.32	168,776
1971	2,339,157.03	1,714,926	1,664,075	815,431	16.96	48,080
1972	837,143.10	603,253	585,365	302,007	17.61	17,150
1973	30,493.88	21,586	20,946	11,378	18.27	623
1974	1,198,626.20	833,019	808,318	462,226	18.94	24,405
1975	330,460.22	225,267	218,587	131,701	19.63	6,709
1976	266,952.78	178,373	173,084	109,886	20.33	5,405
1977	3,621,685.19	2,370,382	2,300,096	1,538,890	21.04	73,141
1978	5,401,385.00	3,459,213	3,356,641	2,368,827	21.77	108,812
1979	169,874.23	106,403	103,248	76,819	22.50	3,414
1980	3,269,811.65	2,000,818	1,941,490	1,524,510	23.25	65,570
1981	1,156,129.07	690,506	670,031	555,466	24.01	23,135
1982	1,022,219.43	595,564	577,904	505,649	24.77	20,414
1983	300,416.84	170,510	165,454	152,988	25.55	5,988
1984	61,963.44	34,226	33,211	32,470	26.34	1,233
1985	3,302,469.71	1,773,238	1,720,658	1,779,960	27.14	65,584
1986	1,351,098.86	704,625	683,732	748,433	27.94	26,787
1987	391,909.57	198,195	192,318	223,106	28.76	7,758
1988	1,710,691.01	837,760	812,919	1,000,413	29.59	33,809
1989	4,722,409.22	2,237,121	2,170,787	2,834,967	30.42	93,194
1990	3,182,456.02	1,456,096	1,412,920	1,960,483	31.26	62,715
1991	487,312.18	214,978	208,604	307,947	32.11	9,590
1992	457,250.18	194,141	188,384	296,301	32.97	8,987
1993	637,973.44	260,174	252,459	423,793	33.84	12,523
1994	224,276.70	87,659	85,060	152,673	34.72	4,397
1995	2,821,265.16	1,054,854	1,023,576	1,966,965	35.60	55,252
1996	2,130,805.18	760,150	737,610	1,521,043	36.49	41,684
1997	104,738.09	35,547	34,493	76,529	37.39	2,047
1998	2,072,130.48	666,933	647,157	1,549,301	38.30	40,452
1999	196,003.17	59,647	57,878	149,885	39.21	3,823
2000	179,015.54	51,303	49,782	139,974	40.13	3,488
2001	96,325.48	25,879	25,112	76,993	41.06	1,875
2002	2,417,735.37	606,230	588,254	1,974,545	41.99	47,024
2003	1,253,034.95	291,477	282,834	1,045,383	42.93	24,351
2004	1,163,248.70	249,519	242,120	990,924	43.87	22,588
2005	546,492.29	107,324	104,142	475,140	44.81	10,603
2006	182,214.29	32,414	31,453	161,694	45.77	3,533

Newfoundland and Labrador Hydro
2016 Depreciation Study

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T05 - TRANSFORMERS - OTHER

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R3						
NET SALVAGE PERCENT.. -6						
2007	1,673,348.41	267,038	259,120	1,514,629	46.72	32,419
2008	96,028.90	13,529	13,128	88,663	47.69	1,859
2009	3,649,480.13	446,612	433,369	3,435,080	48.65	70,608
2010	1,107,821.46	114,869	111,463	1,062,828	49.62	21,419
2011	1,330,021.46	113,040	109,688	1,300,135	50.59	25,699
2012	4,236,924.35	280,067	271,763	4,219,377	51.57	81,818
2013	3,130,464.89	148,427	144,026	3,174,267	52.54	60,416
2014	770,965.88	21,991	21,339	795,885	53.52	14,871
2015	7,745,073.72	88,666	86,037	8,123,741	46.01	176,565
	89,255,274.41	38,509,996	37,368,104	57,242,487		1,801,253
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 31.8 2.02						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T06 - TRANSFORMERS - PAD MOUNT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 40-R1.5						
NET SALVAGE PERCENT.. -8						
1967	85,000.00	70,388	91,800			
1968	110,241.68	90,189	118,150	911	9.70	94
1970	78,787.71	62,818	82,293	2,798	10.47	267
1974	23,978.75	18,018	23,604	2,293	12.17	188
1981	67,676.80	44,512	58,312	14,779	15.64	945
1982	127,293.37	81,833	107,204	30,273	16.19	1,870
1983	70,647.20	44,349	58,099	18,200	16.75	1,087
1984	14,234.01	8,716	11,418	3,955	17.32	228
1985	27,018.49	16,122	21,120	8,060	17.90	450
1987	47,938.17	27,039	35,422	16,351	19.11	856
1989	63,969.03	33,939	44,461	24,626	20.35	1,210
1991	82,079.46	40,666	53,274	35,372	21.65	1,634
1992	93,133.80	44,483	58,274	42,311	22.31	1,897
1993	33,003.74	15,167	19,869	15,775	22.98	686
1994	139,248.04	61,433	80,479	69,909	23.66	2,955
1995	10,265.00	4,337	5,682	5,404	24.35	222
1996	156,420.31	63,181	82,769	86,165	25.04	3,441
1997	72,427.27	27,866	36,505	41,716	25.75	1,620
1998	742.00	271	355	446	26.46	17
1999	45,687.77	15,814	20,717	28,626	27.18	1,053
2000	41,970.99	13,701	17,949	27,380	27.91	981
2001	356,142.61	109,140	142,977	241,657	28.65	8,435
2002	93,388.29	26,753	35,047	65,812	29.39	2,239
2003	30,705.67	8,174	10,708	22,454	30.14	745
2004	70,225.32	17,273	22,628	53,215	30.89	1,723
2005	66,295.63	14,946	19,580	52,019	31.65	1,644
2006	99,363.64	20,336	26,641	80,672	32.42	2,488
2007	98,472.00	18,106	23,719	82,631	33.19	2,490
2008	310,577.85	50,565	66,242	269,182	33.97	7,924
2009	132,056.82	18,683	24,475	118,146	34.76	3,399
2010	179,576.76	21,576	28,265	165,678	35.55	4,660
2011	153,567.38	15,176	19,881	145,972	36.34	4,017
2012	1,706,848.53	131,342	172,062	1,671,334	37.15	44,989
2013	171,473.68	9,491	12,433	172,759	37.95	4,552
2014	12,549,805.40	416,779	545,993	13,007,797	38.77	335,512
2015	313,388.75	7,378	9,666	328,794	22.49	14,620
	17,723,651.92	1,670,560	2,188,073	16,953,472		461,138
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 36.8 2.60						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T07 - TRANSFORMERS - POLE MOUNTED

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 30-L1						
NET SALVAGE PERCENT.. -8						
1967	12,694.59	9,602	11,784	1,926	8.99	214
1968	3,506.89	2,622	3,218	569	9.23	62
1970	43,296.14	31,610	38,792	7,968	9.72	820
1971	311.65	225	276	61	9.97	6
1978	10,884.00	7,123	8,741	3,014	11.82	255
1979	323.10	208	255	94	12.11	8
1981	428,000.05	266,865	327,501	134,739	12.68	10,626
1982	130,758.66	80,118	98,322	42,897	12.98	3,305
1983	218,005.26	131,221	161,036	74,410	13.28	5,603
1984	155,589.64	91,972	112,869	55,168	13.58	4,062
1985	151,605.75	87,925	107,903	55,831	13.89	4,020
1986	175,088.19	99,527	122,141	66,954	14.21	4,712
1987	459,057.33	255,660	313,750	182,032	14.53	12,528
1988	162,746.89	88,762	108,930	66,837	14.85	4,501
1989	248,635.14	132,563	162,683	105,843	15.19	6,968
1990	270,942.21	141,238	173,329	119,289	15.52	7,686
1991	271,811.17	138,265	169,681	123,875	15.87	7,806
1992	867,575.72	430,384	528,174	408,808	16.22	25,204
1993	301,034.54	145,545	178,615	146,502	16.57	8,841
1994	282,360.08	132,753	162,917	142,032	16.94	8,384
1995	583,381.91	266,720	327,323	302,729	17.30	17,499
1996	895,423.58	397,141	487,378	479,679	17.68	27,131
1997	1,130,944.07	486,125	596,580	624,840	18.06	34,598
1998	604,436.78	251,325	308,430	344,362	18.45	18,665
1999	685,159.47	274,774	337,207	402,765	18.86	21,356
2000	687,281.02	265,485	325,807	416,457	19.27	21,612
2001	627,766.65	232,550	285,389	392,599	19.71	19,919
2002	818,683.48	289,418	355,178	529,000	20.18	26,214
2003	983,095.61	329,852	404,800	656,943	20.68	31,767
2004	800,656.38	253,360	310,927	553,782	21.21	26,109
2005	1,021,524.86	302,290	370,975	732,272	21.78	33,621
2006	999,114.89	274,077	336,352	742,692	22.38	33,186
2007	1,308,207.61	328,251	402,835	1,010,029	23.03	43,857
2008	1,065,933.24	241,374	296,218	854,990	23.71	36,060
2009	1,712,109.10	342,690	420,555	1,428,523	24.44	58,450
2010	2,361,337.29	408,039	500,752	2,049,492	25.20	81,329
2011	3,802,181.60	547,500	671,900	3,434,456	26.00	132,094
2012	3,507,262.82	398,974	489,627	3,298,217	26.84	122,884

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T07 - TRANSFORMERS - POLE MOUNTED

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 30-L1						
NET SALVAGE PERCENT.. -8						
2013	3,553,161.54	292,910	359,464	3,477,950	27.71	125,512
2014	3,281,651.61	164,202	201,511	3,342,673	28.61	116,836
2015	2,416,916.21	68,911	84,569	2,525,700	18.44	136,969
	37,040,456.72	8,690,156	10,664,694	29,338,999		1,281,279
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						22.9 3.46

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T09 - TURBINES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R2.5						
NET SALVAGE PERCENT.. -14						
1967	1,762,788.78	1,408,172	1,210,723	798,856	16.46	48,533
1968	8,607,404.86	6,775,982	5,825,876	3,986,566	17.02	234,228
1970	1,683,339.64	1,283,989	1,103,952	815,055	18.20	44,783
1971	26,000.00	19,508	16,773	12,867	18.80	684
1975	101,873.10	71,033	61,073	55,062	21.36	2,578
1977	217,905.93	145,841	125,392	123,021	22.71	5,417
1978	4,242,670.89	2,778,894	2,389,246	2,447,399	23.40	104,590
1980	2,788,239.51	1,744,762	1,500,117	1,678,476	24.81	67,653
1982	7,091,357.09	4,224,371	3,632,043	4,452,104	26.26	169,539
1983	46,776.00	27,147	23,341	29,984	27.00	1,111
1985	10,927,015.21	6,001,934	5,160,362	7,296,435	28.50	256,015
1987	8,893.22	4,599	3,954	6,184	30.05	206
1988	6,909,835.55	3,461,641	2,976,261	4,900,952	30.83	158,967
1989	1,587,174.93	769,149	661,302	1,148,077	31.62	36,309
2003	11,929,596.94	2,848,466	2,449,063	11,150,678	43.48	256,455
2006	305,590.00	55,865	48,032	300,341	46.18	6,504
2009	67,170.20	8,451	7,266	69,308	48.93	1,416
2013	2,448,806.00	119,287	102,561	2,689,078	52.65	51,075
2014	289,550.40	8,523	7,328	322,759	53.58	6,024
2015	4,117,648.02	57,268	49,238	4,644,881	40.32	115,200
	65,159,636.27	31,814,882	27,353,903	46,928,082		1,567,287
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						29.9 2.41

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T10.00 - HOLYROOD GAS TURBINE - COMBUSTOR OVERHAUL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 3-SQUARE						
NET SALVAGE PERCENT.. 0						
2015	2,206,062.36	367,684	40,444	2,165,618	2.50	866,247
	2,206,062.36	367,684	40,444	2,165,618		866,247
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 2.5						39.27

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T11.00 - HOLYROOD GAS TURBINE - TURBINE OVERHAUL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 6-SQUARE						
NET SALVAGE PERCENT.. 0						
2015	2,206,062.35	183,831	40,444	2,165,618	5.50	393,749
	2,206,062.35	183,831	40,444	2,165,618		393,749
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.5						17.85

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T12.00 - HOLYROOD GAS TURBINE - COMBUSTOR OVERHAUL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 12-SQUARE						
NET SALVAGE PERCENT.. 0						
2015	3,088,487.29	128,697	56,622	3,031,865	11.50	263,640
	3,088,487.29	128,697	56,622	3,031,865		263,640
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 11.5						8.54

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT V01 - VACUUM CLEANING SYSTEM

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 60-R4						
NET SALVAGE PERCENT.. 0						
1969	23,574.00	16,840	23,574			
1980	48,877.00	27,819	43,406	5,471	25.85	212
	72,451.00	44,659	66,980	5,471		212
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 25.8 0.29						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT V02 - VALVES - PENSTOCK

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 65-R3						
NET SALVAGE PERCENT.. -8						
1967	1,415,205.48	993,245	804,476	723,946	22.76	31,808
1970	547,228.00	364,875	295,530	295,476	24.87	11,881
1975	14,300.75	8,654	7,009	8,436	28.58	295
1977	104,000.00	60,255	48,803	63,517	30.13	2,108
1982	22,218.67	11,393	9,228	14,768	34.14	433
1985	2,204,894.06	1,038,979	841,518	1,539,768	36.64	42,024
1988	2,432.20	1,042	844	1,783	39.21	45
2001	194,935.91	45,378	36,754	173,777	50.99	3,408
2003	236,497.01	47,625	38,574	216,843	52.88	4,101
2004	211,351.90	39,226	31,771	196,489	53.83	3,650
2005	212,317.84	36,053	29,201	200,102	54.78	3,653
2006	176,897.79	27,217	22,044	169,006	55.74	3,032
2007	129,795.39	17,878	14,480	125,699	56.71	2,217
2008	1,875,177.71	228,381	184,977	1,840,215	57.67	31,909
2015	220,507.28	2,167	1,755	236,393	54.45	4,341
	7,567,759.99	2,922,368	2,366,964	5,806,217		144,905
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 40.1						1.91

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT V03 - VEHICLES - 1 TON

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 8-L4						
NET SALVAGE PERCENT.. +15						
2013	51,647.92	13,719	16,140	27,761	5.50	5,047
	51,647.92	13,719	16,140	27,761		5,047
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.5						9.77

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT V04 - VEHICLES - 3/4 TON AND UNDER

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 7-L3						
NET SALVAGE PERCENT.. +15						
2004	21,073.00	15,174	17,912			
2007	256,097.59	161,085	217,683			
2008	75,904.47	45,901	64,519			
2009	452,574.79	264,335	384,689			
2010	817,731.47	450,803	695,072			
2011	720,937.71	354,546	612,797			
2012	750,380.31	302,513	637,823			
2013	282,039.93	83,564	183,264	56,470	4.56	12,384
2014	718,833.74	130,059	285,232	325,777	5.51	59,125
2015	1,071,596.79	73,779	161,805	749,052	5.67	132,108
	5,167,169.80	1,881,759	3,260,796	1,131,298		203,617
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.6 3.94						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT V05 - VEHICLES - BOOMS/BODIES/CRANES/CAB/CHASSIS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 12-L3						
NET SALVAGE PERCENT.. +15						
2000	23,000.00	14,825	19,137	413	2.90	142
2002	130,045.00	79,772	102,972	7,566	3.34	2,265
2003	202,565.49	121,675	157,062	15,119	3.52	4,295
2004	466,287.00	274,468	354,293	42,051	3.69	11,396
2005	634,697.00	364,157	470,066	69,426	3.90	17,802
2006	313,439.36	173,396	223,825	42,598	4.19	10,167
2007	1,464,993.85	765,826	988,554	256,691	4.62	55,561
2008	610,927.99	294,265	379,847	139,442	5.20	26,816
2009	1,838,387.86	793,035	1,023,677	538,953	5.91	91,193
2010	746,610.15	278,705	359,762	274,857	6.73	40,841
2011	1,663,998.12	516,255	666,399	747,999	7.62	98,163
2012	1,991,867.42	488,168	630,144	1,062,943	8.54	124,466
2013	1,322,985.14	233,342	301,206	823,331	9.51	86,575
2014	976,501.08	103,753	133,928	696,098	10.50	66,295
2015	2,568,240.80	103,038	133,005	2,050,000	10.09	203,171
	14,954,546.26	4,604,680	5,943,877	6,767,488		839,148
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 8.1						5.61

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT V06 - VEHICLES - CARS, STATION WAGONS AND VANS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 6-L3						
NET SALVAGE PERCENT.. +15						
2006	21,051.00	14,911	17,893			
2007	31,861.28	21,395	27,082			
2008	238,285.56	151,569	202,543			
2009	236,872.66	143,623	201,342			
2010	286,725.00	166,946	243,716			
2011	280,782.15	151,552	238,665			
2012	203,510.02	93,122	172,984			
2013	276,271.38	94,714	234,831			
2014	220,013.03	46,440	177,625	9,386	4.51	2,081
	1,795,372.08	884,272	1,516,681	9,385		2,081
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.5 0.12						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT V07 - VEHICLES - DUMP TRUCKS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 10-L5						
NET SALVAGE PERCENT.. +15						
2003	11,535.00	8,814	11,535	1,730-		
	11,535.00	8,814	11,535	1,730-		
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT W01 - WATER REGULATING STRUCTURES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 65-S4						
NET SALVAGE PERCENT.. -8						
1966	781,460.65	617,530	407,033	436,945	17.44	25,054
1967	2,271,900.00	1,767,390	1,164,940	1,288,712	18.18	70,886
1979	1,923,424.16	1,161,999	765,909	1,311,389	28.64	45,789
1980	22,093.09	12,995	8,565	15,296	29.60	517
1983	1,760,835.28	949,672	625,957	1,275,745	32.54	39,205
1985	5,067.02	2,566	1,691	3,781	34.52	110
1999	50,969.18	13,974	9,211	45,836	48.50	945
2003	15,340,515.10	3,186,145	2,100,085	14,467,671	52.50	275,575
2010	295,473.83	27,003	17,798	301,314	59.50	5,064
	22,451,738.31	7,739,274	5,101,189	19,146,688		463,145
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 41.3						2.06

**NEWFOUNDLAND AND LABRADOR HYDRO
DEPRECIATION STUDY**

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT W02 - WATER SUPPLY SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 30-L4						
NET SALVAGE PERCENT.. -8						
1966	36,616.00	36,461	34,844	4,701	2.34	2,009
1967	10,039.39	9,939	9,498	1,345	2.50	538
1968	7,289.13	7,174	6,856	1,016	2.66	382
1969	31,622.36	30,931	29,560	4,592	2.83	1,623
1970	5,778.10	5,616	5,367	873	3.00	291
1971	9,746.00	9,410	8,993	1,533	3.18	482
1976	13,007.24	12,086	11,550	2,498	4.19	596
1977	32,252.39	29,701	28,384	6,449	4.42	1,459
1978	52,656.72	48,073	45,942	10,927	4.64	2,355
1979	166,185.56	150,464	143,793	35,687	4.85	7,358
1980	15,467.03	13,887	13,271	3,433	5.06	678
1981	16,651.69	14,843	14,185	3,799	5.24	725
1982	72,242.09	63,978	61,141	16,880	5.40	3,126
1985	326,739.18	284,303	271,698	81,180	5.83	13,925
1986	10,359.04	8,954	8,557	2,631	5.99	439
1987	40,022.75	34,291	32,771	10,454	6.20	1,686
1988	93,343.70	79,069	75,563	25,248	6.47	3,902
1989	135,698.19	113,238	108,217	38,337	6.82	5,621
1990	44,904.42	36,777	35,146	13,351	7.25	1,842
1991	28,308.25	22,655	21,651	8,922	7.77	1,148
1992	90,973.91	70,840	67,699	30,553	8.37	3,650
1993	18,883.67	14,249	13,617	6,777	9.04	750
1995	139,943.07	98,139	93,788	57,351	10.52	5,452
1996	39,359.32	26,483	25,309	17,199	11.31	1,521
1999	18,116.97	10,540	10,073	9,493	13.84	686
2003	1,242,574.09	556,922	532,230	809,750	17.55	46,140
2005	38,828.51	14,663	14,013	27,922	19.51	1,431
2006	25,217.49	8,624	8,242	18,993	20.50	926
2007	53,657.88	16,419	15,691	42,260	21.50	1,966
2008	54,235.70	14,644	13,995	44,580	22.50	1,981
2011	9,250.00	1,498	1,432	8,558	25.50	336
2013	269,116.45	24,220	23,146	267,500	27.50	9,727
2015	245,467.25	4,666	4,459	260,646	27.83	9,366
	3,394,553.54	1,873,757	1,790,681	1,875,437		134,117

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 14.0 3.95

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT W03 - WATER SYSTEMS - FEED

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R2.5						
NET SALVAGE PERCENT.. -8						
1968	329,755.00	245,929	354,161	1,974	17.02	116
1971	1,732,845.00	1,231,766	1,773,858	97,615	18.80	5,192
1980	1,646,391.76	976,019	1,405,559	372,544	24.81	15,016
2013	170,885.85	7,886	11,357	173,200	52.65	3,290
2015	2,651,382.05	34,935	50,310	2,813,183	40.32	69,771
	6,531,259.66	2,496,535	3,595,245	3,458,516		93,385
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						37.0 1.43

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT W04 - WATER TREATMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 55-R2.5						
NET SALVAGE PERCENT.. -6						
1968	65,708.12	48,097	69,651			
1969	1,663,202.51	1,198,836	1,762,995			
1971	204,537.00	142,699	216,809			
1988	57,541.66	26,804	57,967	3,027	30.83	98
1990	15,137.27	6,587	14,245	1,801	32.42	56
1991	2,681,164.08	1,124,934	2,432,817	409,217	33.23	12,315
1995	5,359.72	1,907	4,124	1,557	36.54	43
1997	2,409,124.70	778,640	1,683,911	869,761	38.23	22,751
2012	659,794.84	41,837	90,478	608,905	51.71	11,775
2015	4,160,003.20	53,797	116,343	4,293,261	40.32	106,480
	11,921,573.10	3,424,138	6,449,340	6,187,528		153,518
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 40.3						1.29

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT A04.1 - AUXILIARY POWER SYSTEMS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 30-R4						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -3						
2010	620,866.42	327,484	313,020	326,472	5.24	62,304
	620,866.42	327,484	313,020	326,472		62,304
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						10.04

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B01.1 - BATTERY AND POWER SYSTEMS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 26-L1.5						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -3						
1968	62,070.09	54,810	35,509	28,423	3.69	7,703
2013	44,556.86	14,837	9,612	36,282	5.17	7,018
	106,626.95	69,647	45,121	64,705		14,721
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.4						13.81

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B02.1 - BOILER SYSTEM - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 40-R3						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -8						
1976	6,373.00	6,092	5,908	975	4.34	225
1979	20,390.00	19,269	18,687	3,334	4.56	731
1980	17,650,550.81	16,614,958	16,113,472	2,949,123	4.62	638,338
1983	2,205,577.30	2,048,993	1,987,149	394,874	4.79	82,437
1984	88,778.32	82,106	79,628	16,253	4.83	3,365
1985	36,723.56	33,799	32,779	6,882	4.87	1,413
1986	2,072.08	1,897	1,840	398	4.91	81
1987	138,230.21	125,891	122,091	27,198	4.94	5,506
1989	42,488.95	38,240	37,086	8,802	5.00	1,760
1992	164,446.23	144,982	140,606	36,996	5.06	7,311
1996	9,711.53	8,252	8,003	2,485	5.13	484
1997	955,842.08	803,209	778,966	253,343	5.14	49,289
1999	181,052.03	148,189	143,716	51,820	5.16	10,043
2001	408,654.76	323,746	313,974	127,373	5.18	24,589
2007	3,620,559.38	2,414,864	2,341,977	1,568,227	5.22	300,427
2008	4,217,954.40	2,678,570	2,597,723	1,957,668	5.22	375,032
2009	1,322,059.11	789,030	765,215	662,609	5.23	126,694
2010	1,357,501.38	749,486	726,864	739,237	5.23	141,346
2011	714,762.78	356,159	345,409	426,535	5.23	81,555
2012	1,376,773.06	593,398	575,488	911,427	5.24	173,936
2013	82,687.17	28,766	27,898	61,404	5.24	11,718
2014	376,808.77	90,567	87,833	319,120	5.24	60,901
2015	93,433.07	8,819	8,553	92,355	5.22	17,693
	35,073,429.98	28,109,282	27,260,865	10,618,440		2,114,874
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.0						6.03

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B05.1 - BUILDINGS - OTHER - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 50-R0.5						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -3						
2004	119,618.36	82,847	82,613	40,594	5.12	7,929
2006	594,079.01	385,908	384,816	227,085	5.13	44,266
2008	113,363.32	67,301	67,111	49,653	5.13	9,679
2010	176,461.62	91,230	90,972	90,783	5.13	17,696
2011	296,727.90	138,154	137,762	167,867	5.14	32,659
	1,300,250.21	765,440	763,274	575,983		112,229
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.1						8.63

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT B06.1 - BUILDINGS - METAL - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 55-R3						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -3						
2009	72,011.04	40,981	39,551	34,620	5.24	6,607
	72,011.04	40,981	39,551	34,620		6,607
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						9.17

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C01.1 - CABLES - TELECONTROL - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 30-R4						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -3						
2004	89,749.79	63,572	63,121	29,321	5.20	5,639
	89,749.79	63,572	63,121	29,321		5,639
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						6.28

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C03.1 - CABLES - UNDERGROUND - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 60-S4						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -14						
1980	544,049.00	540,859	481,561	138,655	5.20	26,664
	544,049.00	540,859	481,561	138,655		26,664
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						4.90

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C04.1 - CABLES - ABOVE GROUND - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 60-R4						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -14						
1980	629,827.19	625,747	560,583	157,420	5.16	30,508
	629,827.19	625,747	560,583	157,420		30,508
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						4.84

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C07.1 - CHEMICAL FEED SYSTEMS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 45-R4						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -6						
1987	8,841.21	7,929	8,054	1,318	5.08	259
1995	68,322.84	57,694	58,602	13,820	5.20	2,658
	77,164.05	65,623	66,656	15,138		2,917
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2 3.78						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C12.1 - CONDENSERS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 55-R3						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -3						
1980	2,042,518.00	1,828,512	1,896,994	206,800	5.09	40,629
1997	51,553.63	41,313	42,860	10,240	5.21	1,965
2008	235,595.08	142,620	147,962	94,701	5.24	18,073
	2,329,666.71	2,012,445	2,087,816	311,741		60,667
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.1 2.60						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT C15.1 - CONTROL, METER, RELAYING - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 40-R3						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. 0						
2012	119,879.96	47,842	48,437	71,443	5.24	13,634
	119,879.96	47,842	48,437	71,443		13,634
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						11.37

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT E03.1 - ENVIRONMENTAL EQUIPMENT - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. 0						
2000	263,583.82	196,222	199,368	64,216	5.17	12,421
2001	2,680.00	1,960	1,991	689	5.18	133
2003	815,776.03	572,593	581,775	234,001	5.19	45,087
2008	150,049.97	88,006	89,418	60,632	5.21	11,638
2014	48,171.15	10,681	10,852	37,319	5.23	7,136
	1,280,260.97	869,462	883,404	396,857		76,415
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						5.97

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F03.1 - FIRE FIGHTING EQUIPMENT - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 50-R4						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. 0						
1968	76,937.47	69,733	60,373	16,564	4.43	3,739
1980	506,992.00	442,315	382,942	124,050	5.03	24,662
2009	213,220.13	117,951	102,118	111,102	5.25	21,162
	797,149.60	629,999	545,433	251,716		49,563
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.1						6.22

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F04.1 - FOOTINGS AND FOUNDATIONS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -8						
1987	56,612.79	51,569	46,927	14,214	5.19	2,739
	56,612.79	51,569	46,927	14,214		2,739
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						4.84

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT F06.1 - FUEL SYSTEMS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 50-R1.5						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -11						
1980	4,294,944.43	4,097,952	3,707,897	1,059,491	5.02	211,054
1991	76,747.60	69,343	62,743	22,447	5.11	4,393
1992	37,066.15	33,239	30,075	11,068	5.12	2,162
1995	37,257.20	32,563	29,464	11,891	5.13	2,318
2001	712,705.67	574,776	520,067	271,036	5.16	52,526
2008	775,913.22	501,764	454,005	407,259	5.18	78,621
2010	2,366,125.59	1,330,665	1,204,008	1,422,391	5.19	274,064
2012	3,379,559.02	1,487,432	1,345,853	2,405,458	5.19	463,479
2013	1,628,833.20	578,182	523,149	1,284,856	5.19	247,564
	13,309,152.08	8,705,916	7,877,261	6,895,898		1,336,181
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						10.04

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G01.1 - GAS TURBINE SYSTEMS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 45-R3						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -2						
1987	24,645.16	21,192	23,906	1,232	5.05	244
	24,645.16	21,192	23,906	1,232		244
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.0						0.99

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G03.1 - GENERATORS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 65-S3						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -8						
1987	846.63	772	687	227	5.22	43
2008	78,948.91	50,156	44,661	40,604	5.25	7,734
2012	210,136.55	90,779	80,832	146,115	5.25	27,831
2013	777,505.62	270,872	241,193	598,513	5.25	114,002
	1,067,437.71	412,579	367,373	785,459		149,610
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.3						14.02

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT G06.1 - GOVENORS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 45-S4						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -14						
1980	218,343.00	218,755	198,381	50,530	4.76	10,616
1999	922,781.05	798,046	723,721	328,249	5.25	62,524
2003	1,003,258.64	805,438	730,424	413,291	5.25	78,722
	2,144,382.69	1,822,239	1,652,526	792,071		151,862
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						5.2 7.08

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT I02.1 - INSTRUMENTATION - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 30-L0.5						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. 0						
1980	2,307,659.57	1,912,819	1,881,919	425,741	4.57	93,160
1987	470,718.02	380,957	374,803	95,915	4.67	20,539
1988	112,204.97	90,369	88,909	23,296	4.69	4,967
1989	32,021.39	25,668	25,253	6,768	4.70	1,440
1994	655,548.30	509,086	500,862	154,686	4.77	32,429
2004	1,639,203.46	1,104,413	1,086,572	552,631	4.91	112,552
2005	1,156,534.93	757,808	745,567	410,968	4.93	83,361
2008	344,737.06	200,178	196,944	147,793	4.99	29,618
2014	8,698.00	1,930	1,899	6,799	5.12	1,328
	6,727,325.70	4,983,228	4,902,728	1,824,598		379,394
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.8						5.64

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT I05.1 - INVERTERS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 25-S1.5						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -8						
2000	18,910.94	15,304	14,372	6,052	4.74	1,277
2008	5,505.60	3,512	3,298	2,648	5.10	519
	24,416.54	18,816	17,670	8,700		1,796
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.8 7.36						

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT L03.1 - LAND IMPROVEMENTS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 75-R3						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. 0						
1989	5,765.52	4,807	4,965	801	5.22	153
	5,765.52	4,807	4,965	801		153
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						2.65

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M02.1 - MARINE TERMINAL - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 65-R4						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -6						
1996	346,931.75	289,763	288,055	79,693	5.24	15,209
2009	121,591.12	71,299	70,879	58,008	5.25	11,049
	468,522.87	361,062	358,934	137,700		26,258
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						5.2 5.60

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT M10.1 - MISCELLANEOUS UNITS OF PROPERTY - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 22-R1.5						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. 0						
2011	174,380.59	78,989	81,721	92,660	5.06	18,312
2014	1,437,566.30	314,813	325,701	1,111,866	5.10	218,013
	1,611,946.89	393,802	407,422	1,204,525		236,325
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.1						14.66

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT 002.1 - OFFICE FURNITURE - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. SQUARE						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. 0						
1998	58,975.29	51,603	48,674	10,302	2.50	4,121
	58,975.29	51,603	48,674	10,302		4,121
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 2.5						6.99

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P10.1 - POWERHOUSE - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 75-R3						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -8						
1980	8,874,021.38	8,338,606	7,826,979	1,756,964	5.19	338,529
1987	29,410.44	26,797	25,153	6,610	5.21	1,269
	8,903,431.82	8,365,403	7,852,132	1,763,575		339,798
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						5.2 3.82

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT P12.1 - PROTECTIVE CONTROL AND RELAY PANELS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 35-R3						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. 0						
2008	106,685.08	62,746	65,531	41,154	5.21	7,899
	106,685.08	62,746	65,531	41,154		7,899
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						7.40

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT R13.1 - ROADS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 60-R4						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -8						
1980	1,859.00	1,750	1,635	373	5.16	72
	1,859.00	1,750	1,635	373		72
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						3.87

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S07.1 - STACKS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 55-R4						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -8						
1968	2,511,250.83	2,447,065	2,153,213	558,938	4.81	116,203
1980	1,698,208.00	1,599,121	1,407,093	426,972	5.11	83,556
1992	511,777.49	451,876	397,613	155,107	5.22	29,714
2005	2,016,821.65	1,451,640	1,277,322	900,845	5.25	171,590
2011	261,850.00	130,523	114,849	167,949	5.25	31,990
2012	2,182,691.48	942,923	829,695	1,527,612	5.25	290,974
2014	19,519.33	4,685	4,122	16,959	5.25	3,230
	9,202,118.78	7,027,833	6,183,907	3,754,381		727,257
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						7.90

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT S08.1 - STATIC EXCITATION SYSTEM - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 32-R4						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -6						
1968	1,115,787.92	1,172,386	813,916	368,819	0.28	368,819
2000	329,058.01	261,217	181,347	167,454	5.15	32,515
2001	16,588.65	12,936	8,981	8,603	5.17	1,664
	1,461,434.58	1,446,539	1,004,244	544,877		402,998
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 1.4						27.58

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T03.1 - TOOLS AND EQUIPMENT - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. SQUARE						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. 0						
2001	30,649.10	22,502	22,162	8,487	5.25	1,617
2010	320,612.40	164,035	161,554	159,059	5.25	30,297
	351,261.50	186,537	183,716	167,546		31,914
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						9.09

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T05.1 - TRANSFORMERS - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 55-R3						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -6						
2013	126,690.40	43,376	38,007	96,285	5.24	18,375
	126,690.40	43,376	38,007	96,285		18,375
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						14.50

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT T09.1 - TURBINES - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 55-R2.5						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -14						
1980	6,398,098.00	6,322,366	5,612,011	1,681,821	5.08	331,067
1995	1,579.76	1,429	1,268	533	5.18	103
2006	611,180.01	447,464	397,189	299,556	5.22	57,386
2007	1,705,004.00	1,198,760	1,064,072	879,633	5.22	168,512
2009	988,302.25	622,279	552,362	574,303	5.22	110,020
2010	430,013.25	249,931	221,850	268,365	5.23	51,313
2012	1,691,863.26	769,272	682,840	1,245,884	5.23	238,219
2013	10,126,535.70	3,713,324	3,296,111	8,248,140	5.23	1,577,082
2014	5,124,796.25	1,295,406	1,149,860	4,692,408	5.23	897,210
	27,077,372.48	14,620,231	12,977,563	17,890,642		3,430,912
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2						12.67

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT W03.1 - WATER SYSTEMS - FEED - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 55-R2.5						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -8						
1979	1,107,382.84	1,040,222	887,011	308,962	5.07	60,939
1980	1,024,814.00	959,385	818,080	288,719	5.08	56,834
2014	95,600.00	22,893	19,521	83,727	5.23	16,009
2015	590,837.65	56,153	47,882	590,222	5.18	113,942
	2,818,634.49	2,078,653	1,772,494	1,271,631		247,724
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.1						8.79

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

NEWFOUNDLAND AND LABRADOR HYDRO

ACCOUNT W04.1 - WATER TREATMENT - HOLYROOD

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2016

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 55-R2.5						
PROBABLE RETIREMENT YEAR.. 3-2021						
NET SALVAGE PERCENT.. -6						
1969	177,015.88	167,637	157,358	30,279	4.90	6,179
1979	5,098.00	4,700	4,412	992	5.07	196
1980	622,363.00	571,839	536,775	122,930	5.08	24,199
1983	18,823.46	17,097	16,049	3,904	5.11	764
1995	9,354.00	7,867	7,385	2,530	5.18	488
1996	224,794.62	187,073	175,602	62,680	5.19	12,077
2011	1,418,153.65	691,898	649,473	853,770	5.23	163,245
2013	317,359.44	108,207	101,572	234,829	5.23	44,900
	2,792,962.05	1,756,318	1,648,626	1,311,914		252,048
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.2 9.02						

APPENDIX I

ADDITIONAL EVIDENCE OF LARRY KENNEDY



A1-1

Newfoundland and Labrador Hydro
2016 Depreciation Study

NEWFOUNDLAND AND LABRADOR HYDRO

IN THE MATTER OF

AN APPLICATION BY NEWFOUNDLAND AND LABRADOR
HYDRO BEFORE THE NEWFOUNDLAND AND LABRADOR
BOARD OF COMMISSIONERS OF PUBLIC UTILITIES

EVIDENCE OF LARRY E. KENNEDY RELATED TO THE CONVERSION TO GROUP ACCOUNTING METHODS

JULY, 2017



DEPRECIATION EVIDENCE OF LARRY KENNEDY

Introduction and Overview

Q1. Please state your name and business address.

A1. My name is Larry Kennedy and my business address is Suite 277, 200 Rivercrest Drive S.E., Calgary, Alberta, T2C 2X5.

Q2. Please state your occupation.

A2. I am Vice President of Concentric Advisors ULC.

Q3. Have you previously testified before this or any other regulatory boards?

A3. Yes, I have testified on numerous occasions before regulatory boards throughout Canada as summarized in my Curriculum Vitae, attached to this evidence. Also, as summarized in my Curriculum Vitae, I have prepared a number of additional depreciation reviews that have resulted in negotiated settlements or where appearances were not required.

Of specific note, I have presented expert reports and testimony on depreciation-related matters on behalf of Newfoundland and Labrador Hydro ("NL Hydro") to the Newfoundland and Labrador Board of Commissioners of Public Utilities ("PUB") on three (3) prior occasions.

Q4. Please state the purpose of this evidence.

A4. Concentric Advisors was retained by NL Hydro to complete a full and complete depreciation study for inclusion as part of a regulatory application to the PUB. Additionally, Concentric Advisors was asked to provide a response to a PUB directive resulting from the last depreciation study and negotiated settlement application relating to the historical NL Hydro departure from the use of typical regulated group depreciation accounting. This evidence discusses the issues and

concepts related to Group Depreciation and provides a recommendation to convert to group depreciation accounting. This recommendation was used in the development of the depreciation rates that are determined in the Concentric Advisors Depreciation Study.

Q5. Please summarize the PUB Directive.

A5. In PUB Order No P.U. 40(2012), the Board directed as follows:

“In accordance with the terms of the Settlement Agreement Hydro has agreed to provide, at the time of its next depreciation study, a report, on a limited number of groups of property, comparing the agreed methodology to the application of depreciation on a pure group basis. The Board notes that the findings of this report would not be applied retroactively but rather would provide information for future rate making purposes. In the Board’s view this is a reasonable approach to resolve what appears to have been a difference in expert opinion on this specific issue. The Board will accept this recommendation.”¹

Q6. Please describe the current NLHydro accounting practices.

A6. At present, the current NL Hydro practice would be described as a “Hybrid Unit Depreciation” practice. Within the current accounting system (JD Edwards), each asset is ascribed with a life estimate. The accounting system then prepares the depreciation expense entries utilizing a remaining life calculation on each asset, with the associated depreciation expense tracked against each specific asset. At the time of retirement of the asset, the original cost of the asset is removed from the gross plant in service ledger. Additionally the accumulated depreciation expense associated with the specific asset is removed from the accumulated depreciation account. The difference between the original cost and the accumulated depreciation expense is booked as a loss to the income statement on the period of the retirement transactions. As the current system will not allow for the over depreciation of an asset, the entry to the income statement is virtually always a loss, absent any net salvage considerations.

¹ Order No. P.U. 40(2012), page 3, lines 28-35.

Currently, the annual charges to the income statement (as described above) are large enough to warrant inclusion in the revenue requirement. As such, the retirement entries need to be forecast for all test periods, and the associated gain and loss for each forecast retirement transaction requires estimation and inclusion in the each test year's revenue requirement. To the extent that the current practice of estimating the forecast losses, there exists for the potential of material over or under statement of the company's net income.

While the above discussion describes a unit depreciation process, there are some aspects of a more traditional grouping process in the current NL Hydro practices. Average service life estimates and retirement dispersion curves are developed on the basis of combining all of the average age and retirement characteristics of the overall UOP grouping rather than on each individual asset. The same depreciation rate is then applied to all assets within the UOP grouping. In this manner the depreciation rate does recognize a weighted probability of retirement dispersion providing for potential retirement of the asset either prior to or later than the average service life estimate.

Q7. Please outline the concept of Group Depreciation Accounting

A7. Group depreciation refers to the widely accepted procedure for rate regulated utilities where, rather than depreciating each item by itself (unit depreciation), a group containing homogenous units of plant which are alike in character, used in the same manner throughout the utilities service territory, and operated under the same general conditions is formed. Group depreciation recognizes that there will be differing lives for individual units within the group. For example, poles are often combined into a single group. Some poles will be retired due to storms or third party damage (for example automobile accidents, for strikes by farm equipment, etc.). Others will decay, while some will be displaced due to road relocations, and some will be replaced due to the need to provide underground service. However they are combined into the same group because they are homogenous units. With group depreciation, the entire group is considered as the asset being depreciated,

therefore, one depreciation rate is applied to the entire group and only one accumulated depreciation account is tracked for the entire group.

Under group depreciation no gain or loss is recognized for retirement of individual assets, as only one depreciation calculation is made on the entire group. Upon retirement of an asset from the group, the total original cost of the asset is debited to the accumulated depreciation account and credited to the asset account. Any gross salvage received (if applicable) for the retired asset is credited to the accumulated depreciation account and any cost of removal is debited to the accumulated depreciation account and any cost of removal is debited to the accumulated depreciation account. Under group depreciation, since the accumulated depreciation relates to the entire group rather than to specific assets within the group, no gain or loss is recognized. This assumes that the group depreciation rate is accurate for the group as a whole and that the cost of the retired asset, net of gross salvage and cost of removal, is being fully provided for in the accumulated depreciation account.

Details of the Review

Q8. Please describe the review that was undertaken to comply with negotiated settlement agreement.

A8. The negotiated settlement determined that the following Units of Plant (accounts) be studied for review:

- C11 - Computers
- R14 - Routers and LAN
- S03 - Servers
- S05 - Software
- V04 - Vehicles - $\frac{3}{4}$ ton and under
- V06 - Vehicles - Cars, Stations Wagons and Vans

In addition to the above accounts, two additional accounts were reviewed, in order

to analyze the impacts when applied to longer life accounts with a retirement dispersion considered in the depreciation rates, and with a significantly larger level of investment as compared to the accounts as agreed to in negotiated settlement process. The two additional accounts were:

- C13 - Conductor
- P07 – Poles-Wood

Q9. Please further explain why it was necessary to include the two additional accounts in the analysis.

A9. The accounts that were selected during the negotiated settlement process were all short life accounts and most were subjected to a Square Iowa curve. The use of Square Iowa curves results in an analysis where the benefits of group accounting are eliminated due to the underlying assumption that the assets would be amortized in a method which removes any retirement dispersion. Secondly, short life accounts such as vehicles also have a limited amount of retirement dispersion, and therefore the benefits of group accounting would be reduced.

Given the above, Concentric Advisors suggested that the analysis to be completed by NLHydro should include at least two accounts that have long average service life estimates and would retire due to diverse forces of retirement.

Q10. Please summarize the results of the review.

A10. The analysis indicated that the benefits of group accounting increase as the life estimates and amount of retirement dispersion of the account increases. Consistent with this finding, the accounts that are amortized through the use of a square Iowa indicated more benefit of continued use of the Hybrid approach, whereas the long life accounts such as Wood poles and Conductor were virtually neutral as to the use of the current Hybrid approach versus traditional grouping accounting approaches.

A summary of the results of the testing is presented in the following table:

Estimate of Increase in Depreciation in Moving to the Group Accounting Method					
UOP	Description		2013	2014	2015
C11	Computers	5-Square	(41,924.12)	507,678.91	616,991.42
R14	Routers and LAN	5-Square	9,948.78	422,351.76	571,690.71
S03	Servers	7-Square	(5,387.18)	784,970.35	842,901.91
S05	Software	7-Square	23,162.87	85,730.82	94,654.46
V04	Vehicles - 3/4 ton and Under	7-L3	9,003.03	20,784.87	165,763.57
V06	Vehicles - Cars, Station Wagons and Vans	6-L3	13,030.53	31,135.78	229,956.17
C13	Conductor	60-R3	(6,254.89)	(5,485.91)	(0.71)
P07	Poles - Wood	43-R1	(50,827.16)	(9,775.94)	20,049.82
			(49,248.14)	1,837,390.62	2,542,007.34

As noted above, the two long lived accounts indicate virtually no impact of a conversion to group accounting. I also note that as of December 31, 2015, accounts subjected to amortization accounting represent \$79 million of the approximately of the \$2.5 Billion (3.2%) of depreciable investment.

While the above analysis indicates that approximately \$79 million of investment could be subjected to higher depreciation expense with a discontinuation of the current Hybrid approach, Concentric Advisors views that changes to the approach for the amortized accounts can be made that would eliminate this issue. As discussed in the Concentric Advisors depreciation study report, it is recommended that when each vintage for each applicable amortized account reaches the complete amortization period, that vintage be fully retired irrespective of whether the associated equipment is still in service. In this manner, these accounts would be depreciated in a manner consistent with the current Hybrid approach, and the impacts noted in the table above would be virtually eliminated.

Q11. What is your Recommendation with regard to the Board Directive Based on this Review?

A11. Based on the review as described herein, I recommend the following:

- That NL Hydro convert to a more traditional Group Accounting and Depreciation Practice for all accounts other than Amortized accounts as discussed below;

- That amortized accounts (as noted with a Square or SQ lowa curve) be subjected to a pure amortization procedure wherein the investment in these accounts is retired when it reaches its full amortization period. All retirements in these accounts should be made only at the expiration of the amortization period.

Q12. Does this conclude your Evidence?

A12. Yes.

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LARRY E. KENNEDY, CDP
VICE PRESIDENT

**Larry E. Kennedy, CDP
Vice President**

TECHNICAL SPECIALTIES

- Public Utility Plant Depreciation
- Public Utility Plant Accounting

PERSONAL INFORMATION

- Diploma, Applied Arts - Business Administration, Northern Alberta Institute of Technology, 1978
- Member, Society of Depreciation Professionals
- Certified Depreciation Professional

EXPERIENCE

Mr. Kennedy joined Gannett Fleming, Inc. in January 1999 and was Vice President of Gannett Fleming Canada ULC. Mr. Kennedy is now Vice President of Concentric Advisors UCL. His responsibilities include the assembly of data, the preparation and review of depreciation studies, advice to clients regarding asset retirement obligation accounting, plant accounting issues, and provision of general regulatory litigation support.

Representative assignments include:

REPRESENTATIVE PROJECT EXPERIENCE

- AltaGas Utilities Inc.: A number of depreciation studies have been completed, which included the assembly of basic data from the Company's accounting systems, statistical analysis of retirements for service life and net salvage indications, discussions with management regarding the outlook for property, and the calculations of annual and accrued depreciation. The studies were prepared for submission to the Alberta Energy and Utilities Board. Mr. Kennedy has appeared before the Alberta Utilities Commission on behalf of AltaGas on a number of occasions.
- AltaLink LP: An initial study was developed for submission to the Alberta Utilities Commission ("AUC") in 2002. The study included the estimation of service life characteristics, and the estimation of net salvage requirements for all electric transmission assets. A net salvage study and technical update was also filed with the Board in 2004. Since 2004 additional depreciation studies were filed in 2005, 2010 and 2012, and 2014. The 2010, 2012, and 2014 studies included a number of provisions in order to ensure compliance to Alberta's Minimum Filing Requirements for depreciation studies and for compliance to the International Financial Reporting Standards.

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- **ATCO:** Studies have included the development of annual and accrued depreciation rates for the electric transmission and distribution systems for the Alberta Assets of ATCO Electric, in addition to the generation, transmission, and distribution assets of Northland Utilities (NWT) Inc. and the distribution assets of Northland Utilities (Yellowknife) Inc. ATCO Electric studies were submitted to the AUC for review, while the Northland Utilities Inc. studies were submitted to the Northwest Territories Utilities Board and Yukon Electric Company Limited (YECL) was submitted to Yukon Public Utilities Board. ATCO Gas studies were prepared in 2010 and were the subject of a review by the AUC. Elements of all of the studies included the service life analysis for all accounts using the retirement rate analysis, discussion with management regarding outlook, and the estimation of net salvage requirements.
- **BC Hydro:** This assignment included the development of an average service life study for all of the BC Hydro's electric generation, transmission, distribution and general plant assets. The study, which was prepared for submission to the British Columbia Utilities Commission ("BCUC"), included development of depreciation policy for the company, development of procedures to extract data from the company databases, tours of the company facilities, interviews with operational and management representatives, and the compilation of a detailed report. The assignment included the support of the study through the regulatory process. Mr. Kennedy has also completed a review of the cost allocation procedures and practices which was filed with the BCUC in 2010.
- **Centra Gas Manitoba, Inc.:** The study included development of annual and accrued depreciation rates for all gas plant in service. Elements of the study included a field inspection of metering and compression facilities, service buildings and other gas plant; service life analysis for all accounts using the retirement rate analysis on a combined database developed from actuarial data and data developed through the computed method; discussions with management regarding outlook; and the estimation of net salvage requirements. A similar study was completed in 2006, 2011, and 2014. The 2011 and 2014 depreciation studies were the subject of a review by the Manitoba Public Utilities Board in 2012 and 2015. Mr. Kennedy has also consulted on issues regarding IFRS compliance and required componentization.
- **Enbridge Gas Distribution Inc.:** Full and Comprehensive depreciation studies have been completed in 2009 and 2011. The 2009 study also included review of the company's gas storage operations. Both studies included the development of annual and accrued depreciation rates for all depreciable natural gas distribution, transmission and general plant assets. Elements of the studies included the service life analysis for all accounts using the computed mortality method of analysis, discussion with management regarding outlook, and the estimation of net salvage requirements. Studies were prepared for submission to the Ontario Energy Board.
- **Mr. Kennedy** has also completed an allocation of the accumulated depreciation accounts into the amounts related to the recovery of original cost and the amounts recovered in tolls for the future removal of assets currently in service. The allocations were determined as of December 31, 2009 and were deemed by the company's external auditors to be in conformance with proper accounting standards and procedures. In 2013, a review of the reserve required for the future removal of assets currently in

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service was undertaken by Mr. Kennedy. The results of the review were summarized in evidence presented by Mr. Kennedy to the Ontario Energy Board.

- **ENMAX Power Corporation:** Studies have included the development of annual and accrued depreciation rates for all depreciable electric transmission assets. Elements of the studies included the service life analysis for all accounts using the retirement rate analysis, discussion with management regarding outlook, and the estimation of net salvage requirements. Studies were prepared for submission to the Alberta Department of Energy and more recently for submission to the Alberta Energy and Utilities Board. Similar studies have also been completed for submission for the ENMAX Electric Distribution assets for submission to the AUC. The ENMAX distribution asset assignments also included an extensive asset verification project where the plant accounting and operational asset records were verified to the field assets actually in service.
- **Fortis Inc.:** Studies have included the development of annual and accrued depreciation rates for the electric distribution assets in Alberta and for the generation, transmission, and distribution assets in British Columbia. The FortisBC Inc. studies were completed and filed with the BCUC in 2005, 2010, 2011 and 2015 encompassing both the FortisBC electric and natural gas companies. FortisAlberta studies were completed in 2004 (updated in 2005), 2009 and 2010. Additionally, a Technical Update was prepared for FortisAlberta in 2015 and submitted to the AUC for review. Elements of the studies included the development of average service lives using the retirement rate method of analysis, development of net salvage estimates, compliance with IFRS, and the determination of appropriate annual accrual and accrued depreciation rates.
- **International Financial Reporting Standards (IFRS):** Mr. Kennedy has been retained by numerous clients encompassing most Canadian Provinces and Territories. The assignments included the review of company's assets and depreciation practices to provide opinion on the compliance to the IFRS. The assignments have also included the issuance of opinion to the External Auditors of Utilities to comment on the manner in which the Utilities can minimize differences in the regulatory ledgers and the accounting records used for financial disclosure purposes. Mr. Kennedy has also presented to the Canadian Electric Association, the Society of Depreciation Professionals, the Canadian Energy Pipeline Association, and to the British Columbia Utilities Commission on this topic.
- **Mackenzie Valley Pipeline Project:** This assignment included the review of the proposed depreciation schedule for the proposed Mackenzie Valley Pipeline. The review included a discussion of the policies used by the company and the depreciation concepts to be included in a depreciation schedule for a Greenfield pipeline. The review was supported through appearance at the oral public hearings before the National Energy Board of Canada.
- **Manitoba Hydro:** A study was developed to determine the appropriate depreciation parameters for all electric generation, transmission and distribution assets. The study was submitted to the Manitoba Public Utilities Board. Elements of the study included a

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field review of electric generation and transmission plant, the service life analysis for all accounts using the retirement rate analysis, discussion with management regarding outlook, and the estimation of net salvage requirements. A similar study was also completed in 2006 2011, and 2014. The 2011 and 2014 depreciation studies were the subject of a review by the Manitoba Public Utilities Board in 2012 and 2015. Mr. Kennedy has also consulted with Manitoba Hydro on issues regarding IFRS compliance and required componentization.

- Newfoundland and Labrador Hydro: Mr. Kennedy developed a comprehensive depreciation study that included the development of depreciation policy and rates for Newfoundland and Labrador Hydro. The study provided a significant review of the previous depreciation policy, which included use of a sinking fund depreciation method and provided justification for the conversation to the straight-line depreciation method. The study, which was prepared for submission to the Newfoundland and Labrador Utilities Commission, included a significant amount of discussion regarding the development of depreciation policy for the company. The study also included development of procedures to extract data from the company databases, tours of the company facilities, interviews with operational and management representatives, development of appropriate net salvage rates, development of average service life estimates, and the compilation of the report for submission in a General Tariff Application. Additional studies were also completed in 2008 and 2010. The 2010 study was the subject of Regulatory Review in 2012.
- Ontario Power Generation: Assignments have included a review of the Depreciation Review Committee process completed in 2007. This review provided recommendations for enhanced internal processes and controls in order to ensure that the depreciation expense reflects the annual consumption of service value. Additionally, full assessments of the lives the regulated assets were completed in 2011 and 2013, and were submitted to the Ontario Energy Board for review.
- TransCanada PipeLines Limited – Alberta Facilities: The assignment included working with the company to develop the appropriate depreciation policy to align with the organization's overall goals and objectives. The resulting depreciation study, which was submitted to the Alberta Energy and Utilities Board, incorporated the concepts of time-based depreciation for gas transmission accounts and unit based depreciation for gathering facilities. The data was assembled from two different accounting systems and statistical analysis of service life and net salvage were performed. For gathering accounts, the assignment included the oversight of the development of appropriate gas production and ultimate gas potential studies for specific areas of gas supply. Field inspections of gas compression, metering and regulating, and service operations were conducted. Studies were completed in 2002 and 2004, 2007, 2009 and 2012.
- TransCanada PipeLines Limited – Mainline Facilities: The study prepared for submission to the National Energy Board of Canada ("NEB") included the development of annual and accrued depreciation rates for gas transmission plant east of the Alberta – Saskatchewan border. Elements of the study included a field inspection of compression and metering facilities, service life and net salvage analysis for all accounts. The study was completed in 2002, and was supported through an appearance

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before the NEB. Study updates have been completed in 2005, 2007, 2009 and an additional full and comprehensive study was completed in 2011. The 2011 study was fully supported through an appearance before the NEB in 2012

Mr. Kennedy has successfully completed the series of week-long programs offered by Depreciation Programs, Inc. and is a past president of the Society of Depreciation Professionals.

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EXPERT TESTIMONY OF LARRY E. KENNEDY, CDP

YEAR	CLIENT	APPLICANT	REGULATORY BOARD	PROCEEDING NUMBER
1999	ENMAX Power Corporation	Edmonton Power Corporation	Alberta Energy and Utilities Board	980550
2000	AltaGas Utilities Inc.	AltaGas Utilities Inc.	Alberta Energy and Utilities Board	Decision 2002-43
2001	City of Calgary	ATCO Pipelines South	Alberta Energy and Utilities Board	2000-365
2001	City of Calgary	ATCO Gas South	Alberta Energy and Utilities Board	2000-350
2001	City of Calgary	ATCO Affiliate Proceeding	Alberta Energy and Utilities Board	1237673
2001	ENMAX Power Corporation	ENMAX Power Corporation - Transmission	Alberta Department of Energy	N/A
2002	Centra Gas British Columbia	Centra Gas British Columbia	British Columbia Utilities Commission	N/A
2002	ENMAX Power Corporation	ENMAX Power Corporation - Transmission	Alberta Department of Energy	N/A
2003	AltaLink LP	AltaLink LP	Alberta Energy and Utilities Board	1279345
2003	Centra Gas Manitoba	Centra Gas Manitoba	Manitoba Public Utilities Board	N/A
2003	City of Calgary	ATCO Pipelines	Alberta Energy and Utilities Board	1292783
2003	City of Calgary	ATCO Electric-ISO Issues	Alberta Energy and Utilities Board	N/A
2003	City of Calgary	ATCO Gas	Alberta Energy and Utilities Board	1275466
2003	City of Calgary	ATCO Electric	Alberta Energy and Utilities Board	1275494
2003	Manitoba Hydro	Manitoba Hydro	Manitoba Public Utilities Board	N/A
2003	TransCanada Pipelines Limited	TransCanada Pipelines Limited	National Energy Board of Canada	RH-1-2002
2004	AltaGas Utilities Inc.	AltaGas Utilities Inc.	Alberta Energy and Utilities Board	1305995



Newfoundland and Labrador Hydro
2016 Depreciation Study

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YEAR	CLIENT	APPLICANT	REGULATORY BOARD	PROCEEDING NUMBER
2004	AltaLink LP	AltaLink LP	Alberta Energy and Utilities Board	1336421
2004	Central Alberta Midstream	Central Alberta Midstream	Municipal Government Board of Alberta	N/A
2004	Central Alberta Midstream	Central Alberta Midstream	Municipal Government Board of Alberta	N/A
2004	ENMAX Power Corporation	ENMAX Power Corporation	Alberta Energy and Utilities Board	1306819
2004	Heritage Gas Ltd.	Heritage Gas Ltd.	Nova Scotia Utility and Review Board	N/A
2004	NOVA Gas Transmission Limited	NOVA Gas Transmission Limited	Alberta Energy and Utilities Board	1315423
2004	Westridge Utilities Inc.	Westridge Utilities Inc.	Alberta Energy and Utilities Board	1279926
2005	AltaGas Utilities Inc.	AltaGas Utilities Inc.	Alberta Energy and Utilities Board	1378000
2005	ATCO Electric	ATCO Electric	Alberta Energy and Utilities Board	1399997
2005	ATCO Power	ATCO Power	Municipal Government Board of Alberta	N/A
2005	British Columbia Transmission Corporation	British Columbia Transmission Corporation	British Columbia Utilities Commission	N/A
2005	Centra Gas Manitoba	Centra Gas Manitoba	Manitoba Public Utilities Board	N/A
2005	ENMAX Power Corporation	ENMAX Power Corporation-Transmission	Alberta Energy and Utilities Board	N/A
2005	ENMAX Power Corporation	ENMAX Power Corporation-Distribution Assets	Alberta Energy and Utilities Board	1380613
2005	FortisAlberta Inc.	FortisAlberta Inc.	Alberta Energy and Utilities Board	1371998
2005	FortisAlberta Inc.	FortisAlberta Inc.	Alberta Energy and Utilities Board	N/A



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YEAR	CLIENT	APPLICANT	REGULATORY BOARD	PROCEEDING NUMBER
2005	FortisBC, Inc.	FortisBC, Inc.	British Columbia Utilities Commission	N/A
2005	Manitoba Hydro	Manitoba Hydro	Manitoba Public Utilities Board	N/A
2005	New Brunswick Board of Commissioners of Public Utilities	New Brunswick Power Distribution and Customer Service Company	New Brunswick Board of Commissioners of Public Utilities	N/A
2005	Northland Utilities (NWT) Inc.	Northland Utilities (NWT) Inc.	Northwest Territories Utilities Board	N/A
2005	Northland Utilities (Yellowknife) Inc.	Northland Utilities (Yellowknife) Inc.	Northwest Territories Utilities Board	N/A
2005	NOVA Gas Transmission Ltd.	NOVA Gas Transmission Ltd.	Alberta Energy and Utilities Board	1375375
2005	City of Red Deer	City of Red Deer Electric System	Alberta Energy and Utilities Board	1402729
2005	Yukon Energy Corporation	Yukon Energy Corporation	Yukon Utilities Board	N/A
2006	AltaLink LP	AltaLink LP	Alberta Energy and Utilities Board	1456797
2006	BC Hydro	BC Hydro	British Columbia Utilities Commission	N/A
2006	Imperial Oil Resources Ventures Limited	McKenzie Valley Pipeline Project	National Energy Board of Canada	GH-1-2004
2007	Enbridge Pipelines Limited	Enbridge Pipelines Limited	National Energy Board of Canada	RH-2-2007
2007	FortisAlberta Inc.	Fortis Alberta Inc.	Alberta Energy and Utilities Board	1514140
2007	Kinder Morgan	Terasen (jet fuel) Pipeline Limited	British Columbia Utilities Commission	N/A
2008	ATCO Electric	Yukon Electrical Company Limited	Yukon Utilities Board	N/A
2008	ATCO Gas	ATCO Gas	Alberta Utilities Commission	1553052



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YEAR	CLIENT	APPLICANT	REGULATORY BOARD	PROCEEDING NUMBER
2008	City of Lethbridge Electric System	City of Lethbridge	Alberta Utilities Commission	N/A
2008	ENMAX Power Corporation	ENMAX Power Corporation	Alberta Utilities Commission	1512089
2008	Heritage Gas Ltd.	Heritage Gas Ltd.	Nova Scotia Utility and Review Board	N/A
2009	AltaGas Utilities Inc.	AltaGas Utilities Inc.	Alberta Utilities Commission	N/A
2009	Fortis Alberta Inc.	Fortis Alberta, Inc.	Alberta Utilities Commission	1605170
2010	ATCO Electric	ATCO Electric	Alberta Utilities Commission	1606228
2010	Enbridge Pipelines Limited - Line 9	Enbridge Pipelines Limited - Line 9	National Energy Board of Canada	N/A
2010	Gazifere	Gazifere	La Regie de L'Energie	R-3724-2010
2010	Kinder Morgan	Kinder Morgan	National Energy Board of Canada	N/A
2010	Pacific Northern Gas	Pacific Northern Gas	British Columbia Utilities Commission	N/A
2011	AltaGas Utilities Inc.	AltaGas Utilities Inc.	Alberta Utilities Commission	1606694
2011	AltaLink LP	AltaLink LP	Alberta Utilities Commission	1606895
2011	ATCO Electric	Northland Utilities (NWT) Inc.	Northwest Territories Utility Board	N/A
2011	ATCO Gas	ATCO Gas	Alberta Utilities Commission	1606822
2011	FortisAlberta Inc.	Fortis Alberta Inc.	Alberta Utilities Commission	1607159
2011	FortisBC Energy, Inc.	FortisBC Energy, Inc.	British Columbia Utilities Commission	3698627
2011	GazMetro	GazMetro	La Regie de L'Energie	R-3752-2011



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YEAR	CLIENT	APPLICANT	REGULATORY BOARD	PROCEEDING NUMBER
2011	Heritage Gas Ltd.	Heritage Gas Ltd.	Nova Scotia Utility and Review Board	N/A
2011	Qulliq	Qulliq	Utilities Rates Review Council	N/A
2011	SaskPower	SaskPower	Internal Review Committee	N/A
2011	TransAlta Utilities Corporation	TransAlta Utilities Corporation	Municipal Government Board of Alberta	N/A
2012	City of Red Deer	City of Red Deer	Alberta Utilities Commission	1608641
2012	Enbridge Gas Distribution Inc.	Enbridge Gas Distribution Inc.	Ontario Energy Board	EB 2011-0345
2012	FortisBC, Inc.	FortisBC, Inc.	British Columbia Utilities Commission	3698620
2012	Manitoba Hydro	Manitoba Hydro	Manitoba Public Utilities Board	2013/2013 GRA
2012	Newfoundland and Labrador Hydro	Newfoundland and Labrador Hydro	Newfoundland and Labrador Board of Commissioners of Public Utilities	N/A
2012	Northwest Territories Power Corporation	Northwest Territories Power Corporation	Northwest Territories Public Utilities Board	N/A
2012	TransCanada Pipelines Limited	TransCanada Pipelines Limited	National Energy Board of Canada	RH-003 -2011
2013	AltaLink LP	AltaLink LP	Alberta Utilities Commission	1608711
2013	IntraGaz Incorporated	IntraGaz Incorporated	La Regie de L'Energie	R-3807-2012
2013	Yukon Electrical Company Limited (YECL)	Yukon Electrical Company Limited (YECL)	Yukon Utilities Board	2013-2015 GRA
2014	Enbridge Gas Distribution	Enbridge Gas Distribution	Ontario Energy Board	EB-2012-0459
2014	ENMAX Power Corporation	ENMAX Power Corporation	Alberta Utilities Commission	1609674
2015	AltaLink LP	AltaLink LP	Alberta Utilities Commission	Proceeding 3524 Appearance Pending



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YEAR	CLIENT	APPLICANT	REGULATORY BOARD	PROCEEDING NUMBER
2015	EPCOR Distribution & Transmission	EPCOR Distribution & Transmission	Alberta Utilities Commission	Proceeding 20407
2015	EPCOR Distribution & Transmission	EPCOR Distribution & Transmission	Alberta Utilities Commission	Appearance Pending
2015	FortisBC Energy, Inc.	FortisBC Energy, Inc.	British Columbia Utilities Commission	N/A
2015	FortisBC, Inc.	FortisBC, Inc.	British Columbia Utilities Commission	Appearance Pending
2015	GazMetro	GazMetro	La Regie de L'Energie	N/A
2015	Manitoba Hydro	Manitoba Hydro	Manitoba Public Utilities Board	2014/15 & 2015/16 GRA
2015	Newfoundland and Labrador Hydro	Newfoundland and Labrador Hydro	Newfoundland and Labrador Board of Commissioners of Public Utilities	N/A
2016	ATCO Electric	ATCO Electric	Alberta Utilities Commission	Proceeding 20272 Appearance Pending



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Newfoundland and Labrador Hydro
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APPENDIX 2

ESTIMATION OF SURIVOR CURVES



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ESTIMATION OF SURVIVOR CURVES

Average Service Life

The use of an average service life for a property group implies that the various units in the group have different lives. Thus, the average life may be obtained by determining the separate lives of each of the units, or by constructing a survivor curve by plotting the number of units which survive at successive ages. A discussion of the general concept of survivor curves is presented. Also, the Iowa type survivor curves are reviewed.

SURVIVOR CURVES

The survivor curve graphically depicts the amount of property existing at each age throughout the life of an original group. From the survivor curve, the average life of the group, the remaining life expectancy, the probable life, and the frequency curve can be calculated. In Figure 1, a typical smooth survivor curve and the derived curves are illustrated. The average life is obtained by calculating the area under the survivor curve, from age zero to the maximum age, and dividing this area by the ordinate at age zero. The remaining life expectancy at any age can be calculated by obtaining the area under the curve, from the observation age to the maximum age, and dividing this area by the percent surviving at the observation age. For example, in Figure 1, the remaining life at age 30 is equal to the crosshatched area under the survivor curve divided by 29.5 percent surviving at age 30. The probable life at any age is developed by adding the age and remaining life. If the probable life of the property is calculated for each year of age, the probable life curve shown in the chart can be developed. The frequency curve presents the number of units retired in each age interval. It is derived by obtaining the differences between the amount of property surviving at the beginning and at the end of each interval.

Iowa Type Curves

The range of survivor characteristics usually experienced by utility and industrial properties is encompassed by a system of generalized survivor curves known as the

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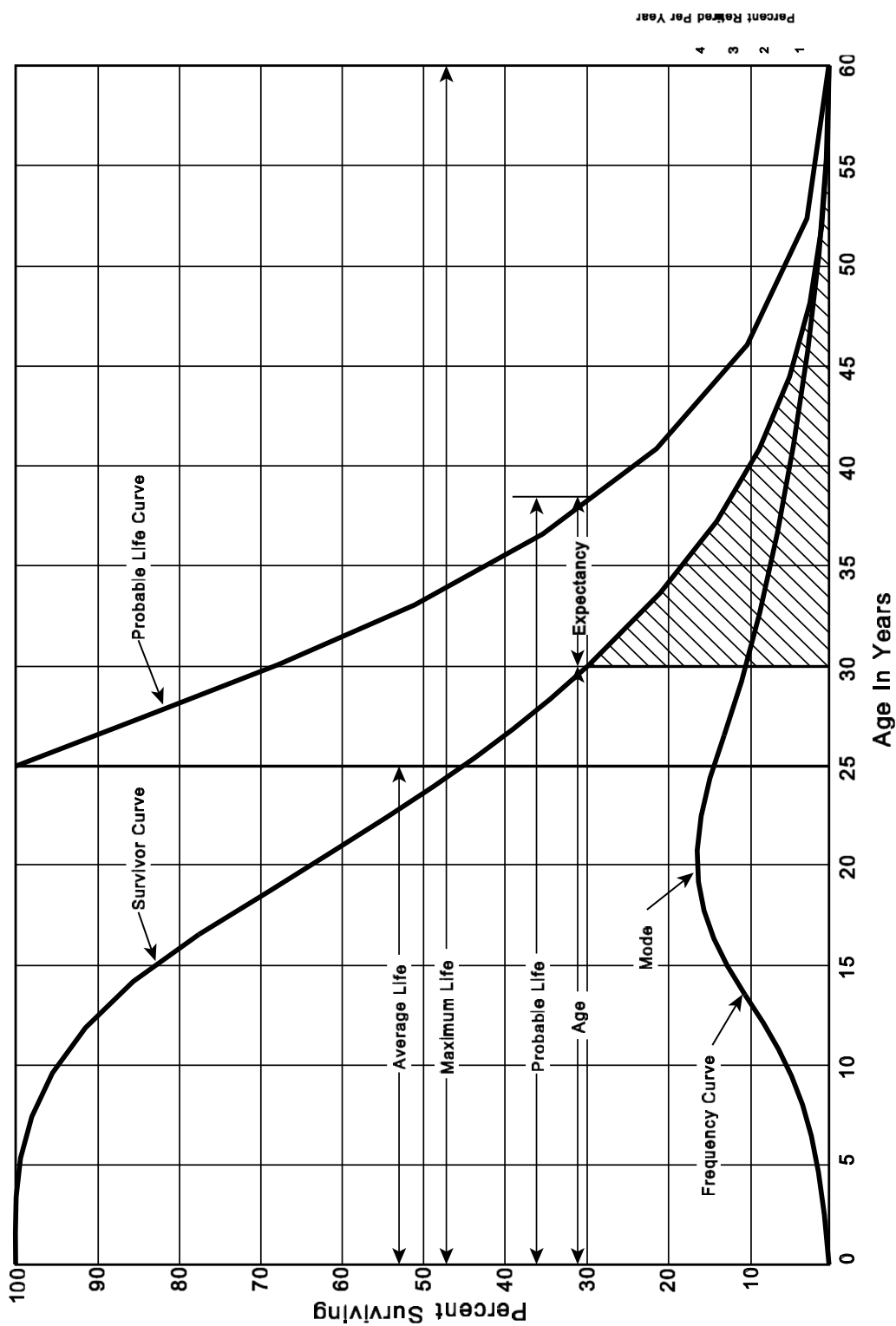


Figure 1. A Typical Survivor Curve and Derived Curves

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Iowa type curves. There are four families in the Iowa system, labeled in accordance with the location of the modes of the retirements in relationship to the average life and the relative height of the modes. The left moded curves, presented in Figure 2, are those in which the greatest frequency of retirement occurs to the left of, or prior to, average service life. The symmetrical moded curves, presented in Figure 3, are those in which the greatest frequency of retirement occurs at average service life. The right moded curves, presented in Figure 4, are those in which the greatest frequency occurs to the right of, or after, average service life. The origin moded curves, presented in Figure 5, are those in which the greatest frequency of retirement occurs at the origin, or immediately after age zero. The letter designation of each family of curves (L, S, R or O) represents the location of the mode of the associated frequency curve with respect to the average service life. The numbers represent the relative heights of the modes of the frequency curves within each family.

The Iowa curves were developed at the Iowa State College Engineering Experiment Station through an extensive process of observation and classification of the ages at which industrial property had been retired. A report of the study which resulted in the classification of property survivor characteristics into 18 type curves, which constitute three of the four families, was published in 1935 in the form of the Experiment Station's Bulletin 125.¹ These curve types have also been presented in subsequent Experiment Station bulletins and in the text, "Engineering Valuation and Depreciation."² In 1957, Frank V. B. Couch, Jr., an Iowa State College graduate student, submitted a thesis³ presenting his development of the fourth family consisting of the four O type survivor curves.

¹ Winfrey, Robley. Statistical Analyses of Industrial Property Retirements. Iowa State College, Engineering Experiment Station, Bulletin 125. 1935.

²Marston, Anson, Robley Winfrey and Jean C. Hempstead. Engineering Valuation and Depreciation, 2nd Edition. New York, McGraw-Hill Book Company. 1953.

³Couch, Frank V. B., Jr. "Classification of Type O Retirement Characteristics of Industrial Property." Unpublished M.S. thesis (Engineering Valuation). Library, Iowa State College, Ames, Iowa. 1957.

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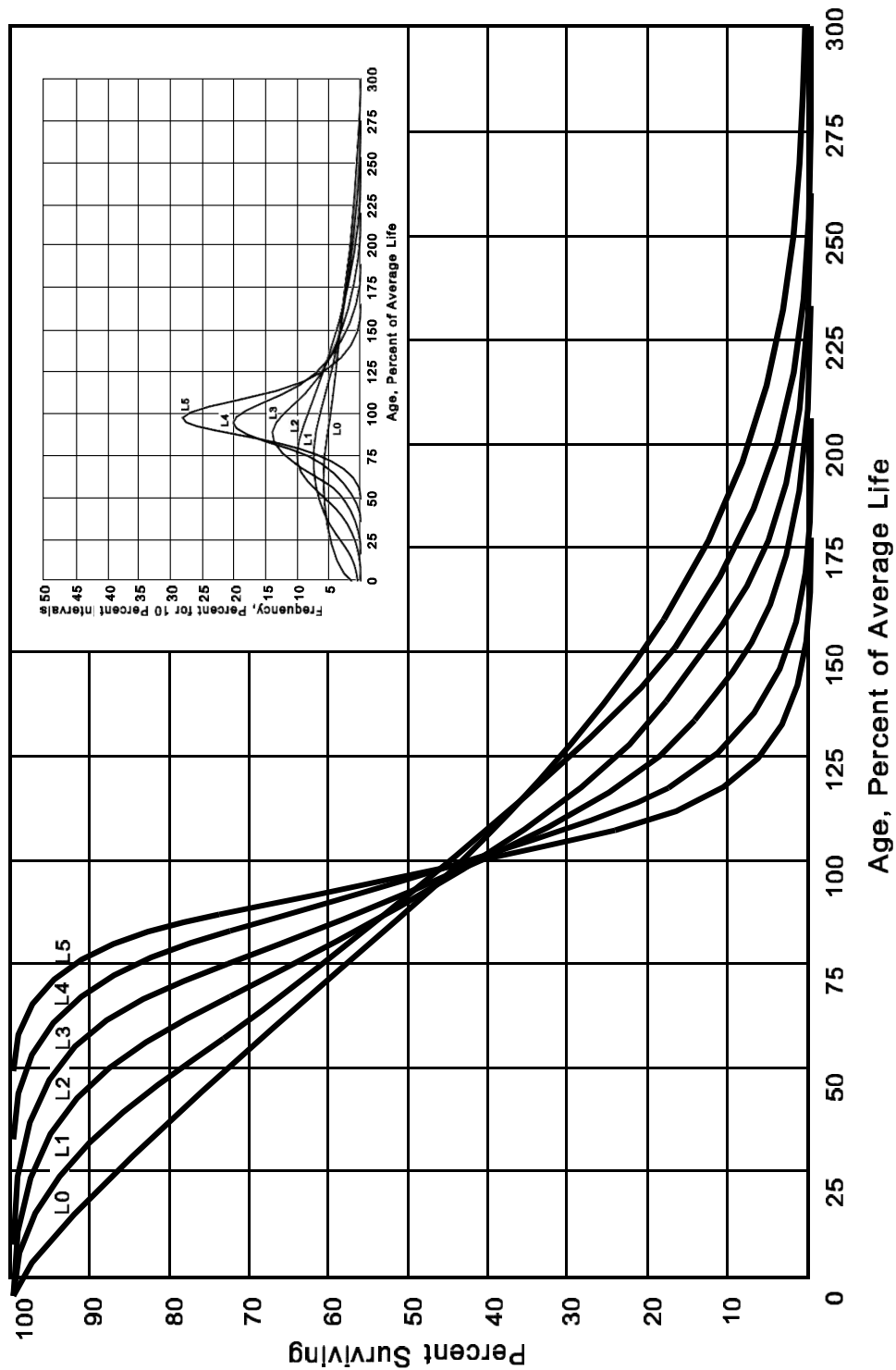


Figure 2. Left Modal or "L" Iowa Type Survivor Curves

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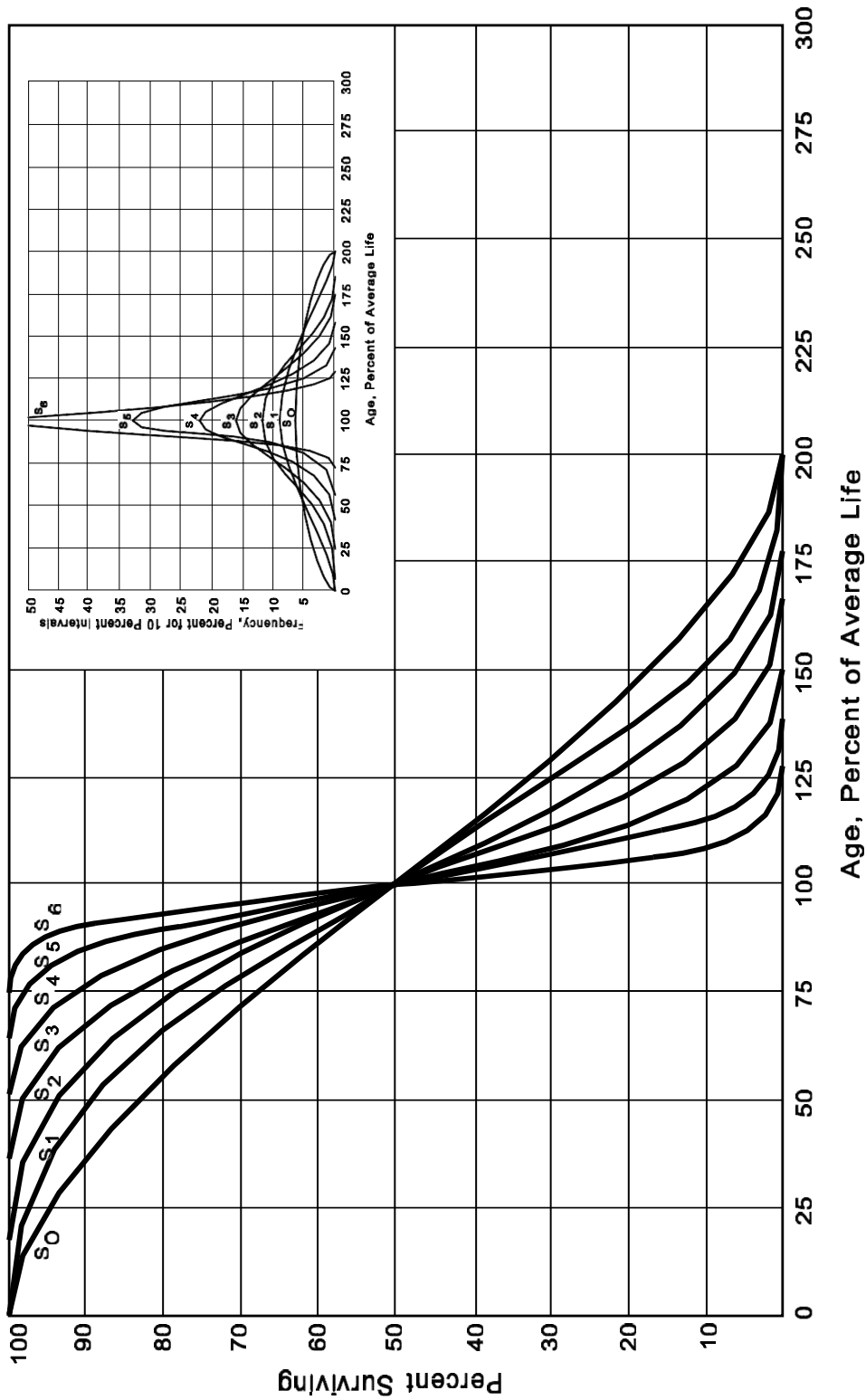


Figure 3. Symmetrical or "S" Iowa Type Survivor Curves

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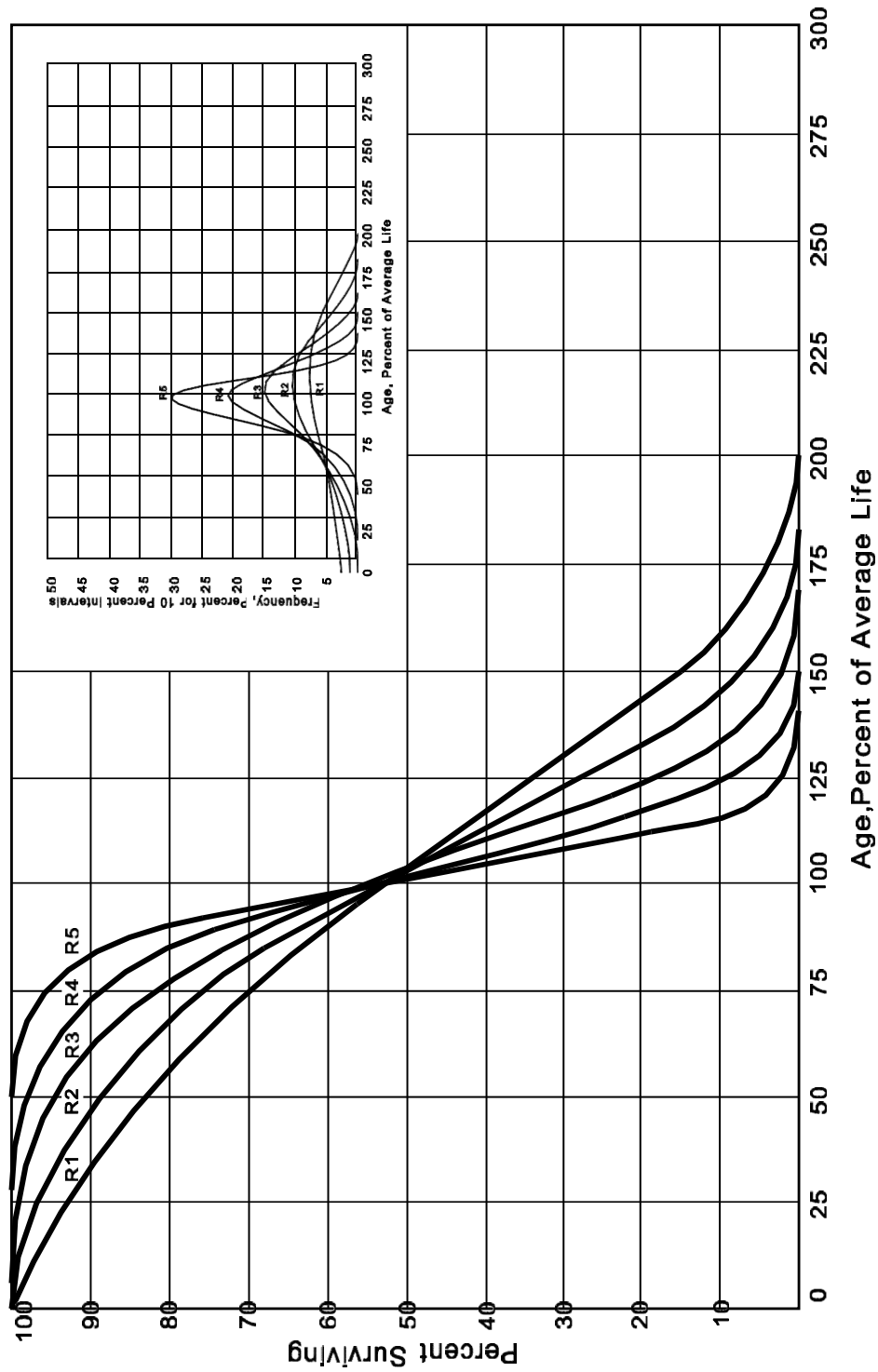


Figure 4. Right Modalor "R" Iowa Type Survivor Curves

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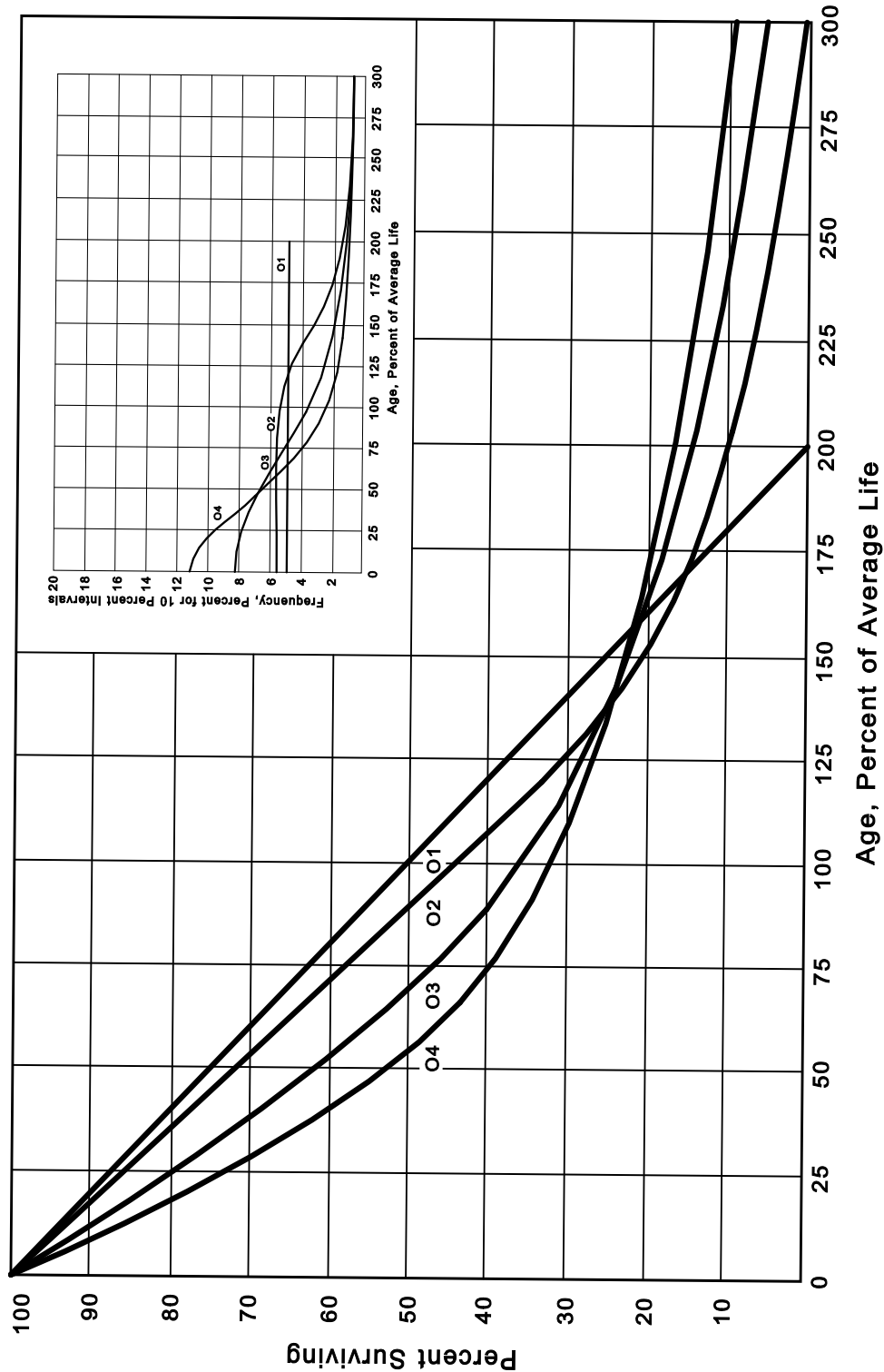


Figure 5. Origin Modal or "O" Iowa Type Survivor Curves

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Retirement Rate Method of Analysis

The retirement rate method is an actuarial method of deriving survivor curves using the average rates at which property of each age group is retired. The method relates to property groups for which aged accounting experience is available and is the method used to develop the original stub survivor curves in this study. The method (also known as the annual rate method) is illustrated through the use of an example in the following text, and is also explained in several publications, including "Statistical Analyses of Industrial Property Retirements,"⁴ "Engineering Valuation and Depreciation,"⁵ and "Depreciation Systems."⁶

The average rate of retirement used in the calculation of the percent surviving for the survivor curve (life table) requires two sets of data: first, the property retired during a period of observation, identified by the property's age at retirement; and second, the property exposed to retirement at the beginning of the age intervals during the same period. The period of observation is referred to as the experience band, and the band of years which represent the installation dates of the property exposed to retirement during the experience band is referred to as the placement band. An example of the calculations used in the development of a life table follows. The example includes schedules of annual aged property transactions, a schedule of plant exposed to retirement, a life table and illustrations of smoothing the stub survivor curve.

Schedules of Annual Transactions in Plant Records

The property group used to illustrate the retirement rate method is observed for the experience band 2007-2016 during which there were placements during the years 2007-2016. In order to illustrate the summation of the aged data by age interval, the data were compiled in the manner presented in Schedules 1 and 2 on the following pages. In Schedule 1, the year of installation (year placed) and the year of retirement are shown. The age interval during which a retirement occurred is determined from this information. In the example which follows, \$10,000 of the dollars invested in 2002 were

⁴Winfrey, Robley, Supra Note 1.

⁵Marston, Anson, Robley Winfrey, and Jean C. Hempstead, Supra Note 2.

⁶Wolf, Frank K. and W. Chester Fitch. Depreciation Systems. Iowa State University Press. 1994.

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SCHEDULE 1. RETIREMENTS FOR EACH YEAR 2007-2016 SUMMARIZED BY AGE INTERVAL

Experience Band 2007-2016											Placement Band 2002-2016	
Year Placed	Retirements, Thousands of Dollars										Total During Age Interval	Age Interval
	<u>2007</u> (2)	<u>2008</u> (3)	<u>2009</u> (4)	<u>2010</u> (5)	<u>2011</u> (6)	<u>2012</u> (7)	<u>2013</u> (8)	<u>2014</u> (9)	<u>2015</u> (10)	<u>2016</u> (11)		
(1)											(12)	(13)
2002	10	11	12	13	14	16	23	24	25	26	26	13½-14½
2003	11	12	13	15	16	18	20	21	22	19	44	12½-13½
2004	11	12	13	14	16	17	19	21	22	18	64	11½-12½
2005	8	9	10	11	11	13	14	15	16	17	83	10½-11½
2006	9	10	11	12	13	14	16	17	19	20	93	9½-10½
2007	4	9	10	11	12	13	14	15	16	20	105	8½-9½
2008		5	11	12	13	14	15	16	18	20	113	7½-8½
2009			6	12	13	15	16	17	19	19	124	6½-7½
2010				6	13	15	16	17	19	19	131	5½-6½
2011					7	14	16	17	19	20	143	4½-5½
2012						8	18	20	22	23	146	3½-4½
2013							9	20	22	25	150	2½-3½
2014								11	23	25	151	1½-2½
2015									11	24	153	½-1½
2016										13	80	0-½
Total	53	68	86	106	128	157	196	231	273	308	1,606	

NEWFOUNDLAND AND LABRADOR HYDRO DEPRECIATION STUDY

SCHEDULE 2. OTHER TRANSACTIONS FOR EACH YEAR 2007-2016 SUMMARIZED BY AGE INTERVAL

Experience Band 2007-2016										Placement Band 2007-2016		
Acquisitions, Transfers and Sales, Thousands of Dollars												
Year Placed (1)	During Year										Total During Age Interval (12)	Age Interval (13)
	2007 (2)	2008 (3)	2009 (4)	2010 (5)	2011 (6)	2012 (7)	2013 (8)	2014 (9)	2015 (10)	2016 (11)		
2002	-	-	-	-	-	-	60 ^a	-	-	-	-	13½-14½
2003	-	-	-	-	-	-	-	-	-	-	-	12½-13½
2004	-	-	-	-	-	-	-	-	-	-	-	11½-12½
2005	-	-	-	-	-	-	-	(5) ^b	-	-	60	10½-11½
2006	-	-	-	-	-	-	-	6 ^a	-	-	-	9½-10½
2007	-	-	-	-	-	-	-	-	-	-	(5)	8½-9½
2008	-	-	-	-	-	-	-	-	-	-	-	7½-8½
2009	-	-	-	-	-	-	-	-	-	-	-	6½-7½
2010	-	-	-	-	-	-	-	(12) ^b	-	-	-	5½-6½
2011	-	-	-	-	-	-	-	-	22 ^a	-	-	4½-5½
2012	-	-	-	-	-	-	-	(19) ^b	-	-	10	3½-4½
2013	-	-	-	-	-	-	-	-	-	-	-	2½-3½
2014	-	-	-	-	-	-	-	-	-	(102) ^c	(121)	1½-2½
2015	-	-	-	-	-	-	-	-	-	-	-	½-1½
2016	-	-	-	-	-	-	-	-	-	-	-	0-½
Total	-	-	-	-	-	-	60	(30)	22	(102)	(50)	

^a Transfer Affecting Exposures at Beginning of Year

^b Transfer Affecting Exposures at End of Year

^c Sale with Continued Use

Parentheses Denote Credit Amount.



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retired in 2007. The \$10,000 retirement occurred during the age interval between 4½ and 5½ years on the basis that approximately one-half of the amount of property was installed prior to and subsequent to July 1 of each year. That is, on the average, property installed during a year is placed in service at the midpoint of the year for the purpose of the analysis. All retirements also are stated as occurring at the midpoint of a one-year age interval of time, except the first age interval which encompasses only one-half year.

The total retirements occurring in each age interval in a band are determined by summing the amounts for each transaction year-installation year combination for that age interval. For example, the total of \$143,000 retired for age interval 4½-5½ is the sum of the retirements entered on Schedule 1 immediately above the stair step line drawn on the table beginning with the 2007 retirements of 2002 installations and ending with the 2016 retirements of the 2011 installations. Thus, the total amount of 143 for age interval 4½-5½ equals the sum of:

$$10 + 12 + 13 + 11 + 13 + 13 + 15 + 17 + 19 + 20.$$

In Schedule 2, other transactions which affect the group are recorded in a similar manner. The entries illustrated include transfers and sales. The entries which are credits to the plant account are shown in parentheses. The items recorded on this schedule are not totaled with the retirements, but are used in developing the exposures at the beginning of each age interval.

Schedule of Plant Exposed to Retirement

The development of the amount of plant exposed to retirement at the beginning of each age interval is illustrated in Schedule 3 on the following page. The surviving plant at the beginning of each year from 2007 through 2016 is recorded by year in the portion of the table headed "Annual Survivors at the Beginning of the Year." The last amount entered in each column is the amount of new plant added to the group during the year. The amounts entered in Schedule 3 for each successive year following the beginning balance or addition, are obtained by adding or subtracting the net entries

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SCHEDULE 3. PLANT EXPOSED TO RETIREMENT JANUARY 1 OF EACH YEAR 2007-2016 SUMMARIZED BY AGE INTERVAL

Experience Band 2007-2016

Placement Band 2002-2016

Year Placed (1)	Exposures, Thousands of Dollars											Total at Beginning of Age Interval (12)	Age Interval (13)
	Annual Survivors at the Beginning of the Year												
	2007 (2)	2008 (3)	2009 (4)	2010 (5)	2011 (6)	2012 (7)	2013 (8)	2014 (9)	2015 (10)	2016 (11)			
2002	255	245	234	222	209	195	239	216	192	167	167	167	13½-14½
2003	279	268	256	243	228	212	194	174	153	131	131	323	12½-13½
2004	307	296	284	271	257	241	224	205	184	162	162	531	11½-12½
2005	338	330	321	311	300	289	276	262	242	226	226	823	10½-11½
2006	376	367	257	346	334	321	307	267	280	261	261	1,097	9½-10½
2007	420 ^a	416	407	397	386	374	361	347	332	316	316	1,503	8½-9½
2008		460 ^a	455	444	432	419	405	390	374	356	356	1,952	7½-8½
2009			510 ^a	504	492	479	464	448	431	412	412	2,463	6½-7½
2010				580 ^a	574	561	546	530	501	482	482	3,057	5½-6½
2011					660 ^a	653	639	623	628	609	609	3,789	4½-5½
2012						750 ^a	742	724	685	663	663	4,332	3½-4½
2013							850 ^a	841	821	799	799	4,955	2½-3½
2014								960 ^a	949	923	923	5,719	1½-2½
2015									1,080 ^a	1,069	1,069	6,579	½-1½
2016										1,220 ^a	1,220 ^a	7,490	0-½
Total	1,975	2,382	2,824	3,318	3,872	4,494	5,247	6,017	6,852	7,799	7,799	44,780	

^a Additions during the year.



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shown on Schedules 1 and 2. For the purpose of determining the plant exposed to retirement, transfers-in are considered as being exposed to retirement in this group at the beginning of the year in which they occurred, and the sales and transfers-out are considered to be removed from the plant exposed to retirement at the beginning of the following year. Thus, the amounts of plant shown at the beginning of each year are the amounts of plant from each placement year considered to be exposed to retirement at the beginning of each successive transaction year. For example, the exposures for the installation year 2006 are calculated in the following manner:

Exposures at age 0	= amount of addition	= \$750,000
Exposures at age ½	= \$750,000 - \$ 8,000	= \$742,000
Exposures at age 1½	= \$742,000 - \$18,000	= \$724,000
Exposures at age 2½	= \$724,000 - \$20,000 - \$19,000	= \$685,000
Exposures at age 3½	= \$685,000 - \$22,000	= \$663,000

For the entire experience band 2006-2015, the total exposures at the beginning of an age interval are obtained by summing diagonally in a manner similar to the summing of the retirements during an age interval (Schedule 1). For example, the figure of 3,789, shown as the total exposures at the beginning of age interval 4½-5½, is obtained by summing:

$$255 + 268 + 284 + 311 + 334 + 374 + 405 + 448 + 501 + 609.$$

Original Life Table

The original life table, illustrated in Schedule 4 on the following page, is developed from the totals shown on the schedules of retirements and exposures, Schedules 1 and 3, respectively. The exposures at the beginning of the age interval are obtained from the corresponding age interval of the exposure schedule, and the retirements during the age interval are obtained from the corresponding age interval of the retirement schedule. The retirement ratio is the result of dividing the retirements during the age interval by the exposures at the beginning of the age interval. The percent surviving at the beginning of each age interval is derived from survivor ratios, each of which equals one minus the retirement ratio. The percent surviving is developed by starting with 100% at age zero and successively multiplying the percent

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SCHEDULE 4. ORIGINAL LIFE TABLE

CALCULATED BY THE RETIREMENT RATE METHOD

Experience Band 2007-2016

Placement Band 2002-2016

(Exposure and Retirement Amounts are in Thousands of Dollars)

Age at Beginning of Interval (1)	Exposures at Beginning of Age Interval (2)	Retirements During Age Interval (3)	Retirement Ratio (4)	Survivor Ratio (5)	Percent Surviving at Beginning of Age Interval (6)
0.0	7,490	80	0.0107	0.9893	100.00
0.5	6,579	153	0.0233	0.9767	98.93
1.5	5,719	151	0.0264	0.9736	96.62
2.5	4,955	150	0.0303	0.9697	94.07
3.5	4,332	146	0.0337	0.9663	91.22
4.5	3,789	143	0.0377	0.9623	88.15
5.5	3,057	131	0.0429	0.9571	84.83
6.5	2,463	124	0.0503	0.9497	81.19
7.5	1,952	113	0.0579	0.9421	77.11
8.5	1,503	105	0.0699	0.9301	72.65
9.5	1,097	93	0.0848	0.9152	67.57
10.5	823	83	0.1009	0.8991	61.84
11.5	531	64	0.1205	0.8795	55.60
12.5	323	44	0.1362	0.8638	48.90
13.5	<u>167</u>	<u>26</u>	0.1557	0.8443	42.24
					35.66
Total	<u>44,780</u>	<u>1,606</u>			

Column 2 from Schedule 3, Column 12, Plant Exposed to Retirement.

Column 3 from Schedule 1, Column 12, Retirements for Each Year.

Column 4 = Column 3 divided by Column 2.

Column 5 = 1.0000 minus Column 4.

Column 6 = Column 5 multiplied by Column 6 as of the Preceding Age Interval.

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surviving at the beginning of each interval by the survivor ratio, i.e., one minus the retirement ratio for that age interval. The calculations necessary to determine the percent surviving at age 5½ are as follows:

Percent surviving at age 4½	=	88.15	
Exposures at age 4½	=	3,789,000	
Retirements from age 4½ to 5½	=	143,000	
Retirement Ratio	=	$143,000 \div 3,789,000$	= 0.0377
Survivor Ratio	=	$1.000 - 0.0377$	= 0.9623
Percent surviving at age 5½	=	$(88.15) \times (0.9623)$	= 84.83

The totals of the exposures and retirements (columns 2 and 3) are shown for the purpose of checking with the respective totals in Schedules 1 and 3. The ratio of the total retirements to the total exposures, other than for each age interval, is meaningless. The original survivor curve is plotted from the original life table (column 6, Schedule 4). When the curve terminates at a percent surviving greater than zero, it is called a stub survivor curve. Survivor curves developed from retirement rate studies generally are stub curves.

Smoothing the Original Survivor Curve

The smoothing of the original survivor curve eliminates any irregularities and serves as the basis for the preliminary extrapolation to zero percent surviving of the original stub curve. Even if the original survivor curve is complete from 100% to zero percent, it is desirable to eliminate any irregularities, as there is still an extrapolation for the vintages which have not yet lived to the age at which the curve reaches zero percent. In this study, the smoothing of the original curve with established type curves was used to eliminate irregularities in the original curve.

The Iowa type curves are used in this study to smooth those original stub curves which are expressed as percents surviving at ages in years. Each original survivor curve was compared to the Iowa curves using visual and mathematical matching in order to determine the better fitting smooth curves. In Figures 6, 7, and 8, the original curve developed in Schedule 4 is compared with the L, S, and R Iowa type curves which most nearly fit the original survivor curve. In Figure 6, the L1 curve with an

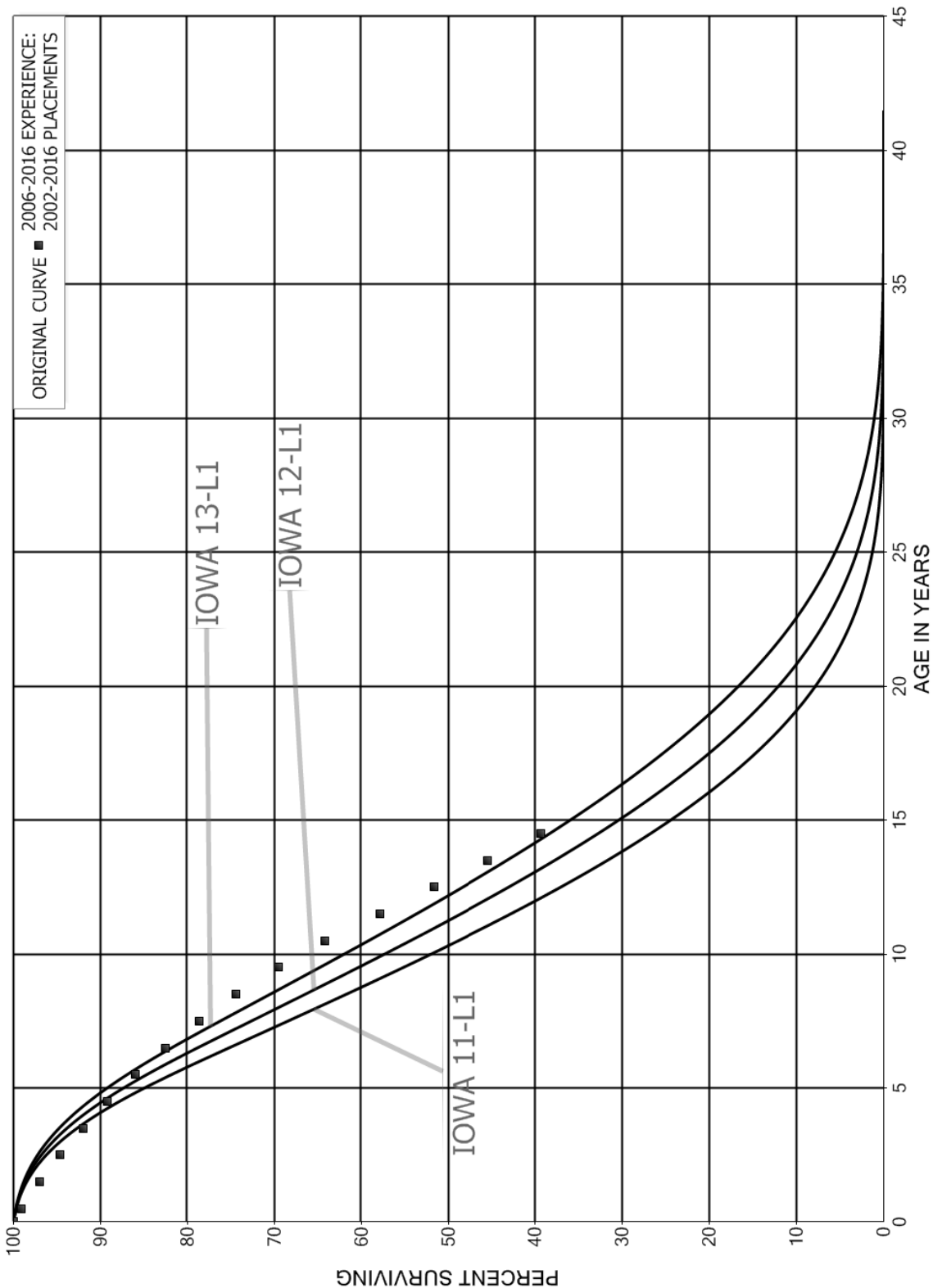
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average life between 12 and 13 years appears to be the best fit. In Figure 7, the S0 type curve with a 12-year average life appears to be the best fit and appears to be better than the L1 fitting. In Figure 8, the R1 type curve with a 12-year average life appears to be the best fit and appears to be better than either the L1 or the S0.

In Figure 9, the three fittings, 12-L1, 12-S0 and 12-R1 are drawn for comparison purposes. It is probable that the 12-R1 Iowa curve would be selected as the most representative of the plotted survivor characteristics of the group.

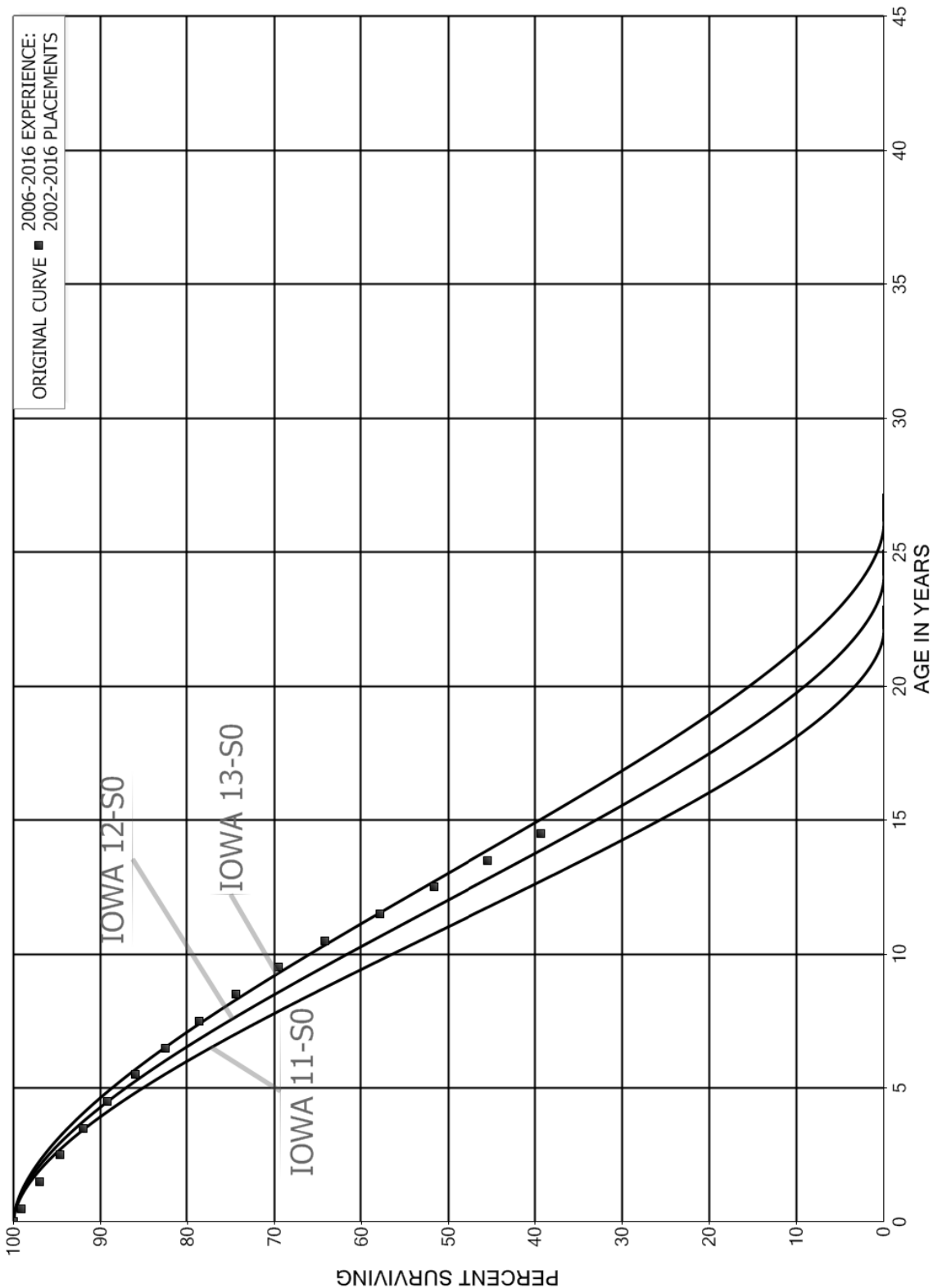
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FIGURE 6. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES



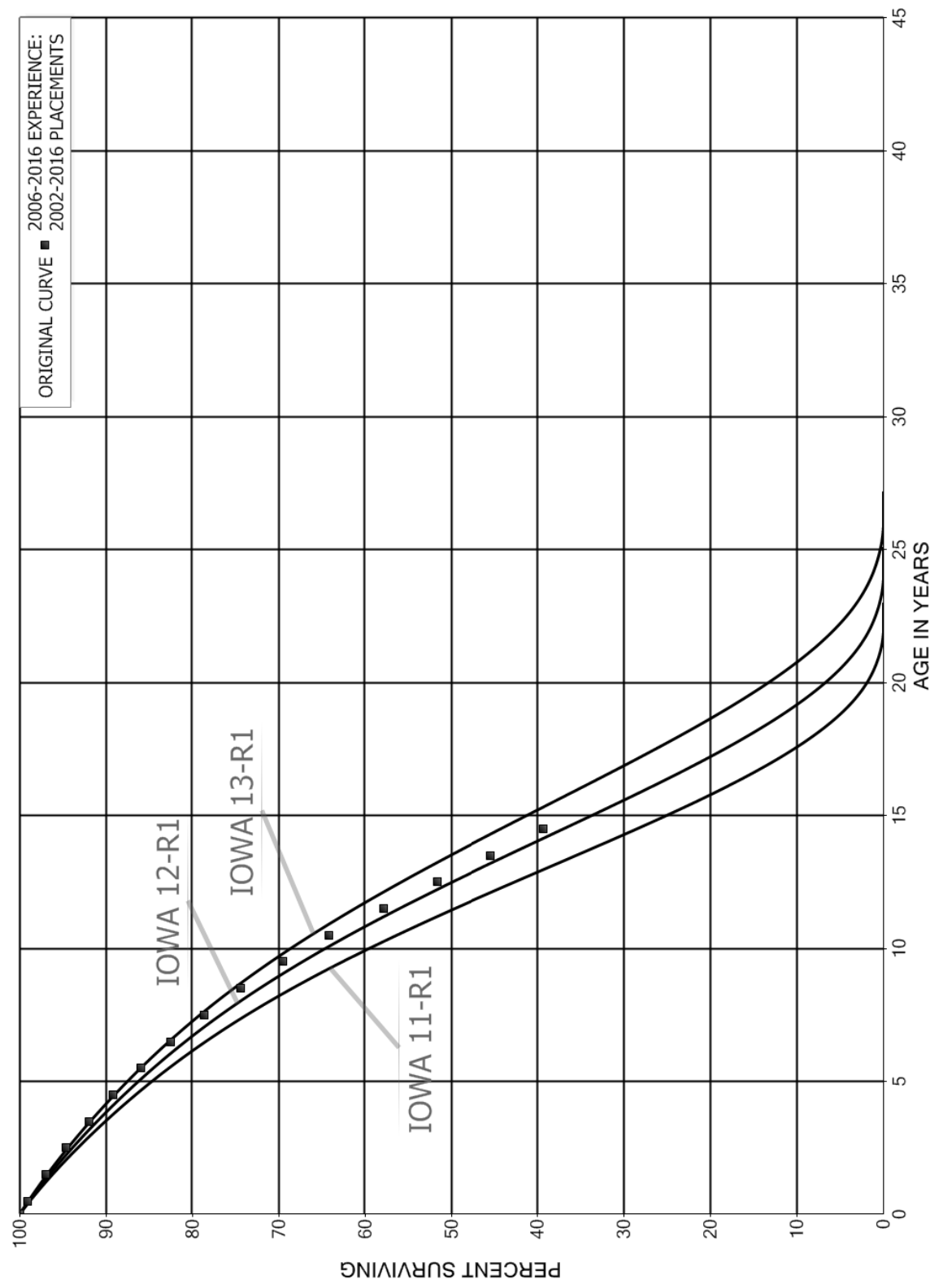
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FIGURE 7. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN S0 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES



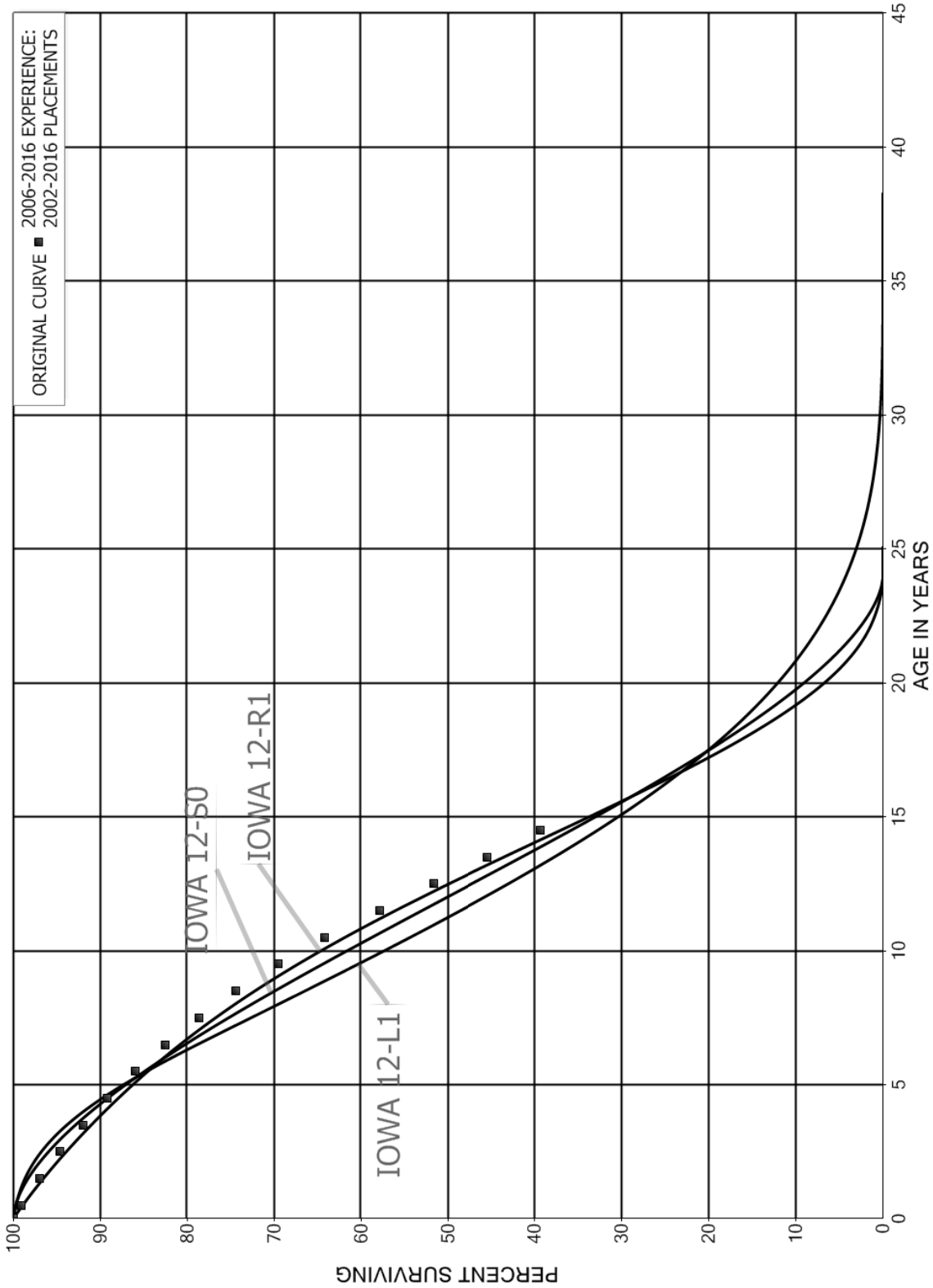
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FIGURE 8. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN R1 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES



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FIGURE 9. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1, S0 AND R1 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES





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