

Exhibit No.: _____
Issue: Depreciation
Witness: John J. Spanos
Sponsoring Party: Ameren Missouri
File No.: ER-2019-0335

MISSOURI PUBLIC SERVICE COMMISSION

FILE NO. ER-2019-0335

DIRECT TESTIMONY OF

JOHN J. SPANOS

ON BEHALF OF

AMEREN MISSOURI

Camp Hill, Pennsylvania

July, 2019

JOHN J. SPANOS DIRECT

TABLE OF CONTENTS

PAGE

I. INTRODUCTION AND PURPOSE..... - 1 -

II. DEPRECIATION STUDY - 3 -

1 **I. INTRODUCTION AND PURPOSE**

2 **Q. PLEASE STATE YOUR NAME AND ADDRESS.**

3 A. My name is John J. Spanos. My business address is 207 Senate Avenue, Camp Hill,
4 Pennsylvania.

5 **Q. ARE YOU ASSOCIATED WITH ANY FIRM?**

6 A. Yes. I am associated with the firm of Gannett Fleming Valuation and Rate
7 Consultants, LLC (“Gannett Fleming”).

8 **Q. HOW LONG HAVE YOU BEEN ASSOCIATED WITH GANNETT
9 FLEMING?**

10 A. I have been associated with the firm since college graduation in June, 1986.

11 **Q. WHAT IS YOUR POSITION WITH THE FIRM?**

12 A. I am President.

13 **Q. ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS CASE?**

14 A. I am testifying on behalf of Ameren Missouri (“Ameren” or the “Company”).

15 **Q. PLEASE STATE YOUR QUALIFICATIONS.**

16 A. I have 33 years of utility depreciation experience, which includes providing expert
17 testimony in over 300 cases before approximately 40 regulatory commissions,
18 including this Commission. These cases have included depreciation studies in the
19 electric, gas, water, wastewater and pipeline industries. In addition to the cases where
20 I have submitted testimony, I have supervised in over 600 other depreciation or
21 valuation assignments. Please refer to Schedule JJS-D1 for my qualifications
22 statement, which includes further information regarding my work history, case
23 experience and leadership in the Society of Depreciation Professionals.

1 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS**
2 **PROCEEDING?**

3 A. I sponsor the depreciation study performed for Ameren attached hereto as Schedule
4 JJS-D2 (“Depreciation Study”). The study was conducted by me and by others
5 working for me under my direction and control. The Depreciation Study sets forth the
6 calculated annual depreciation accrual rates by account as of December 31, 2018. The
7 proposed rates appropriately reflect the rates at which Ameren’s assets should be
8 depreciated over their useful lives and are based on the most commonly used methods
9 and procedures for determining depreciation rates.

10 **Q. CAN YOU SUMMARIZE THE IMPACT ON DEPRECIATION RATES**
11 **BASED ON THE DEPRECIATION STUDY?**

12 A. Yes. The table below sets forth a comparison of the current depreciation rates and
13 resultant expense to the proposed depreciation rates and expense by function as of
14 December 31, 2018.

<u>Function</u>	<u>Current</u>		<u>Proposed</u>	
	<u>Rates</u>	<u>Proforma Expense</u>	<u>Rates</u>	<u>Expense</u>
Steam	3.46	\$157,453,361	4.23	\$192,375,575
Nuclear	2.26	73,591,028	2.54	82,770,779
Hydraulic	2.26	11,352,723	2.56	12,849,916
Other	2.24	28,152,561	1.79	22,536,295
Transmission	2.64	32,182,201	2.45	29,820,800
Distribution	2.99	178,100,715	2.98	177,253,815
General	5.92	<u>38,326,411</u>	5.60	<u>36,201,049</u>
Total		\$519,158,999		\$553,808,229

1 I have also developed a recommendation for depreciation rates to be applied to wind
2 generation and storage assets that I understand Ameren plans to own and operate
3 starting in 2020.

4 **Q. CAN YOU EXPLAIN SOME OF THE MAJOR FACTORS THAT CAUSED**
5 **THE CHANGE IN DEPRECIATION RATES?**

6 A. Yes. The major components that caused rates to change by function are as follows:

- 7 • Steam Production Plant: major capital investment with a shorter overall life
8 span to recover the costs.
- 9 • Nuclear Plant: the utilization of shorter interim survivor curves for most
10 accounts and major capital investment with a shorter overall life span to
11 recover the costs.
- 12 • Other Production Plant: the utilization of longer survivor curves for a few
13 accounts.

14 **II. DEPRECIATION STUDY**

15 **Q. PLEASE DEFINE THE CONCEPT OF DEPRECIATION.**

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

23 **Q. DID YOU PREPARE THE DEPRECIATION STUDY SUBMITTED BY**
24 **AMEREN TO THE COMMISSION'S STAFF AND THE OFFICE OF THE**

JOHN J. SPANOS DIRECT

1 **PUBLIC COUNSEL IN ACCORDANCE WITH THE COMMISSION'S**
2 **RULES?**

3 A. Yes. I prepared the depreciation study submitted by Ameren. My report which as
4 noted is attached to this testimony as Schedule JJS-D2 is entitled: "2018 Depreciation
5 Study - Calculated Annual Depreciation Accruals Related to Electric Plant as of
6 December 31, 2018." This report sets forth the results of my depreciation study for
7 Ameren.

8 **Q. IN PREPARING THE DEPRECIATION STUDY, DID YOU FOLLOW**
9 **GENERALLY ACCEPTED PRACTICES IN THE FIELD OF**
10 **DEPRECIATION VALUATION?**

11 A. Yes.

12 **Q. ARE THE METHODS AND PROCEDURES OF THIS DEPRECIATION**
13 **STUDY CONSISTENT WITH PAST PRACTICES?**

14 A. The methods and procedures of this study are the same as those utilized in the last
15 study for this company as well as others before this Commission. Depreciation rates
16 are determined based on the average service life procedure and the remaining life
17 method.

18 **Q. PLEASE DESCRIBE THE CONTENTS OF YOUR REPORT.**

19 A. My report is presented in nine parts. Part I, Introduction, presents the scope and basis
20 for the depreciation study. Part II, Estimation of Survivor Curves, includes
21 descriptions of the methodology of estimating survivor curves. Parts III and IV set
22 forth the analysis for determining life and net salvage estimation. Part V, Calculation
23 of Annual and Accrued Depreciation, includes the concepts of depreciation and
24 amortization using the remaining life. Part VI, Results of Study, presents a description

1 of the results and a summary of the depreciation calculations. Parts VII, VIII and IX
2 include graphs and tables that relate to the service life and net salvage analyses, and
3 the detailed depreciation calculations.

4 The table on pages VI-4 through VI-7 presents the estimated survivor curve,
5 the net salvage percent, the original cost as of December 31, 2018, the book
6 depreciation reserve and the calculated annual depreciation accrual and rate for each
7 account or subaccount. The section beginning on page VII-2 presents the results of
8 the retirement rate analyses prepared as the historical bases for the service life
9 estimates. The section beginning on page VIII-2 presents the results of the salvage
10 analysis. The section beginning on page IX-2 presents the depreciation calculations
11 related to surviving original cost as of December 31, 2018.

12 **Q. PLEASE EXPLAIN HOW YOU PERFORMED YOUR DEPRECIATION**
13 **STUDY.**

14 A. I used the straight line remaining life method of depreciation, with the average
15 service life procedure. The annual depreciation is based on a method of depreciation
16 accounting that seeks to distribute the unrecovered cost of fixed capital assets over
17 the estimated remaining useful life of each unit, or group of assets, in a systematic
18 and reasonable manner.

19 For General Plant Accounts 391.0, 391.2, 391.3, 393, 394, 395, 397 and 398,
20 I used the straight line remaining life method of amortization. Additionally, for
21 certain general plant assets recorded in Generating Accounts 316.21, 316.22, 316.23,
22 325.21, 325.22, 325.23, 335.21, 335.22, 335.23, 346.21, 346.22 and 346.23, as well
23 as training assets in General Plant Accounts 390.05, 392.05, 394.05 and 397.05, I
24 use the straight line remaining life method of amortization. The account numbers

1 identified throughout my testimony represent those in effect as of December 31,
2 2018. The annual amortization is based on amortization accounting that distributes
3 the unrecovered cost of fixed capital assets over the remaining amortization period
4 selected for each account and vintage.

5 **Q. HOW DID YOU DETERMINE THE RECOMMENDED ANNUAL**
6 **DEPRECIATION ACCRUAL RATES?**

7 A. I did this in two phases. In the first phase, I estimated the service life and net salvage
8 characteristics for each depreciable group, that is, each plant account or subaccount
9 identified as having similar characteristics. In the second phase, I calculated the
10 composite remaining lives and annual depreciation accrual rates based on the service
11 life and net salvage estimates determined in the first phase.

12 **Q. PLEASE DESCRIBE THE FIRST PHASE OF THE DEPRECIATION STUDY,**
13 **IN WHICH YOU ESTIMATED THE SERVICE LIFE AND NET SALVAGE**
14 **CHARACTERISTICS FOR EACH DEPRECIABLE GROUP.**

15 A. The service life and net salvage study consisted of compiling historical data from
16 records related to Ameren's plant; analyzing these data to obtain historical trends of
17 survivor characteristics; obtaining supplementary information from management and
18 operating personnel concerning practices and plans as they relate to plant operations;
19 and interpreting the above data and the estimates used by other electric utilities to form
20 judgments of average service life and net salvage characteristics.

21 **Q. WHAT HISTORICAL DATA DID YOU ANALYZE FOR THE PURPOSE OF**
22 **ESTIMATING SERVICE LIFE CHARACTERISTICS?**

1 A. Generally speaking, I analyzed the Company's accounting entries that record plant
2 transactions during the period 1922 through 2018. The transactions included
3 additions, retirements, transfers, sales and the related balances.

4 **Q. WHAT METHOD DID YOU USE TO ANALYZE THESE SERVICE LIFE**
5 **DATA?**

6 A. I used the retirement rate method. This is the most appropriate method when
7 retirement data covering a long period of time is available because this method
8 determines the average rates of retirement actually experienced by the Company
9 during the period of time covered by the depreciation study.

10 **Q. PLEASE DESCRIBE HOW YOU USED THE RETIREMENT RATE**
11 **METHOD TO ANALYZE AMEREN'S SERVICE LIFE DATA.**

12 A. I applied the retirement rate analysis to each different group of property in the study.
13 For each property group, I used the retirement rate data to form a life table which,
14 when plotted, shows an original survivor curve for that property group. Each original
15 survivor curve represents the average survivor pattern experienced by the several
16 vintage groups during the experience band studied. The survivor patterns do not
17 necessarily describe the life characteristics of the property group; therefore,
18 interpretation of the original survivor curves is required in order to use them as valid
19 considerations in estimating service life. The Iowa-type survivor curves were used
20 to perform these interpretations.

21 **Q. WHAT IS AN "IOWA-TYPE SURVIVOR CURVE" AND HOW DID YOU USE**
22 **SUCH CURVES TO ESTIMATE THE SERVICE LIFE CHARACTERISTICS**
23 **FOR EACH PROPERTY GROUP?**

1 A. Iowa-type curves are a widely-used group of survivor curves that contain the range of
2 survivor characteristics usually experienced by utilities and other industrial
3 companies. The Iowa curves were developed at the Iowa State College Engineering
4 Experiment Station through an extensive process of observing and classifying the ages
5 at which various types of property used by utilities and other industrial companies had
6 been retired.

7 Iowa-type curves are used to smooth and extrapolate original survivor curves
8 determined by the retirement rate method. The Iowa curves and truncated Iowa curves
9 were used in this study to describe the forecasted rates of retirement based on the
10 observed rates of retirement and the outlook for future retirements.

11 The estimated survivor curve designations for each depreciable property group
12 indicate the average service life, the family within the Iowa system to which the
13 property group belongs, and the relative height of the mode. For example, the Iowa
14 50-R2.5 indicates an average service life of fifty years; a right-moded, or R, type curve
15 (the mode occurs after average life for right-moded curves); and a moderate height,
16 2.5, for the mode (possible modes for R type curves range from 1 to 5).

17 **Q. WHAT APPROACH DID YOU USE TO ESTIMATE THE LIVES OF**
18 **SIGNIFICANT FACILITIES SUCH AS PRODUCTION PLANTS?**

19 A. I used the life span technique to estimate the lives of significant facilities for which
20 concurrent retirement of the entire facility is anticipated. In this technique, the
21 survivor characteristics of such facilities are described by the use of interim survivor
22 curves and estimated probable retirement dates.

23 The interim survivor curves describe the rate of retirement related to the
24 replacement of elements of the facility, such as, for a building, the retirements of

1 plumbing, heating, doors, windows, roofs, etc., that occur during the life of the facility.
2 The probable retirement date provides the rate of final retirement for each year of
3 installation for the facility by truncating the interim survivor curve for each installation
4 year at its attained age at the date of probable retirement. The use of interim survivor
5 curves truncated at the date of probable retirement provides a consistent method for
6 estimating the lives of the several years of installation for a particular facility inasmuch
7 as a single concurrent retirement for all years of installation will occur when it is
8 retired.

9 **Q. HAS GANNETT FLEMING USED THIS APPROACH IN OTHER**
10 **PROCEEDINGS?**

11 A. Yes, we have used the life span technique in performing depreciation studies presented
12 to and accepted by many public utility commissions across the United States and
13 Canada, including Missouri. This technique is currently being utilized by Ameren in
14 the same manner recommended in this case.

15 **Q. WHAT ARE THE BASES FOR THE PROBABLE RETIREMENT YEARS**
16 **THAT YOU HAVE ESTIMATED FOR EACH FACILITY?**

17 A. The probable retirement years are life spans for each facility that are based on
18 judgment and a Black and Veatch comprehensive study performed a few years ago,
19 as well as consideration of the age, use, size, nature of construction, management
20 outlook and typical life spans experienced and used by other electric utilities for
21 similar facilities. Most of the life spans result in probable retirement dates that are
22 many years in the future with the exception of Ameren's Meramec Energy Center,
23 which will be retired in 2022 as previously announced by the Company. As a result,
24 the retirements of the facilities other than Meramec are not yet subject to specific

JOHN J. SPANOS DIRECT

1 management plans. Such plans would be premature. At the appropriate time, detailed
2 studies of the economics of rehabilitation and continued use or retirement of the
3 structure will be performed and the results incorporated in the estimation of the
4 facility's life span.

5 **Q. ARE THERE SOME GENERATING UNITS FOR WHICH A SHORTER LIFE**
6 **SPAN COULD BE CONSIDERED?**

7 A. Yes. In my opinion, given the environmental regulations for coal-fired facilities across
8 the United States, it is very likely the currently estimated retirement dates of coal-fired
9 generating units will be modified in the short or intermediate term by moving those
10 probable retirement dates up. Recent experience in the industry has seen the retirement
11 of many coal-fired plants built in the 1950s and 1960s. I expect that those built in the
12 1970s and 1980s will have life spans less than 55 years and in many cases, based on
13 current equipment and regulations, a life span less than 50 years is planned. In my
14 opinion, a combination of these factors may mean that Ameren's other coal-fired
15 plants will not stay in service until their currently-estimated retirement dates.

16 **Q. DID YOU PHYSICALLY OBSERVE AMEREN MISSOURI'S PLANT AND**
17 **EQUIPMENT AS PART OF YOUR DEPRECIATION STUDY?**

18 A. Yes. I made a field review of Ameren's property as part of this study during April
19 2019 and previously conducted field visits in March 2014 to observe representative
20 portions of plant. Field reviews are conducted to become familiar with Company
21 operations and to obtain an understanding of the function of the plant and information
22 with respect to the reasons for past retirements and the expected future causes of
23 retirements. This knowledge, as well as information from other discussions with

1 management, was incorporated in the interpretation and extrapolation of the statistical
2 analyses.

3 **Q. WOULD YOU EXPLAIN THE CONCEPT OF “NET SALVAGE”?**

4 A. Net salvage is a component of the service value of capital assets that is reflected in
5 depreciation rates. The service value of an asset is its original cost less its net salvage.
6 Net salvage is the salvage value received for the asset upon retirement less the cost to
7 retire the asset. When the cost to retire exceeds the salvage value, the result is negative
8 net salvage.

9 Inasmuch as depreciation expense is the loss in service value of an asset during
10 a defined period, e.g. one year, it must include a ratable portion of both the original
11 cost and the net salvage. That is, the net salvage related to an asset should be
12 incorporated in the cost of service during the same period as its original cost so that
13 customers receiving service from the asset pay rates that include a portion of both
14 elements of the asset’s service value, the original cost and the net salvage value.

15 For example, the full recovery of the service value of a \$20,000 circuit breaker
16 includes not only the \$20,000 of original cost, but also, on average, \$2,200 to remove
17 the breaker at the end of its life and \$200 in salvage value. In this example, the net
18 salvage component is negative \$2,000 ($\$200 - \$2,200$), and the net salvage percent is
19 negative 10% ($(\$200 - \$2,200)/\$20,000$).

20 **Q. PLEASE DESCRIBE HOW YOU ESTIMATED NET SALVAGE**
21 **PERCENTAGES.**

22 A. I estimated the net salvage percentages by reviewing the Company’s account specific
23 historical salvage and cost of removal data for the period 1961 through 2018 as a

1 percentage of the associated retired plant, as well as considering industry experience
2 in terms of net salvage estimates for other electric companies.

3 **Q. WERE THE NET SALVAGE PERCENTAGES FOR GENERATING**
4 **FACILITIES BASED ON THE SAME ANALYSES?**

5 A. Yes, for the interim analyses. The net salvage percentages for generating facilities
6 were based on two components, the interim net salvage percentage and the final net
7 salvage percentage. The interim net salvage percentage is determined based on the
8 cost of removal and gross salvage amounts as a percentage of the associated plant
9 retired for the historical period 1961-2018. Since at this time the Company has not
10 analyzed what it expects it will cost to decommission its non-nuclear power plants, I
11 have assumed for purposes of this particular depreciation study that the final net
12 salvage or dismantlement component (also sometimes referenced as “terminal net
13 salvage”) is zero.

14 **Q. DO YOU BELIEVE THAT THE DEPRECIATION RATES SHOULD**
15 **INCLUDE A DISMANTLEMENT COMPONENT?**

16 A. Yes, because the costs to dismantle or decommission a generating unit or facility is
17 part of the service value of the assets and should be recovered in depreciation rates
18 over the life of the asset. This is particularly important for coal-fired facilities that are
19 being shut down as we are seeing all across the United States. Additionally, waiting
20 until the facility is actually retired to begin recovering the cost to decommission
21 creates intergenerational inequity as customers that did not benefit from the use of the
22 generating facility will have to pay rates that will reflect these end of life costs.

23 **Q. HAVE AMEREN DEPRECIATION RATES INCLUDED A TERMINAL NET**
24 **SALVAGE COMPONENT FOR ITS NON-NUCLEAR POWER PLANTS?**

JOHN J. SPANOS DIRECT

1 A. No. because as previously noted, the Company has not yet estimated those costs so
2 while I believe such an estimate should be prepared as soon as reasonably possible
3 and that depreciation rates should reflect such costs, I have not reflected them at this
4 time.

5 **Q. PLEASE DESCRIBE THE SECOND PHASE OF THE PROCESS THAT YOU**
6 **USED IN THE DEPRECIATION STUDY IN WHICH YOU CALCULATED**
7 **COMPOSITE REMAINING LIVES AND ANNUAL DEPRECIATION**
8 **ACCRUAL RATES.**

9 A. After I estimated the service life and net salvage characteristics for each depreciable
10 property group, I calculated the annual depreciation accrual rates for each group, using
11 the straight line remaining life method, and using remaining lives weighted consistent
12 with the average service life procedure.

13 **Q. PLEASE DESCRIBE THE STRAIGHT LINE REMAINING LIFE METHOD**
14 **OF DEPRECIATION.**

15 A. The straight line remaining life method of depreciation allocates the original cost of
16 the property, less accumulated depreciation, less future net salvage, in equal amounts
17 to each year of remaining service life.

18 **Q. PLEASE DESCRIBE AMORTIZATION ACCOUNTING.**

19 A. In amortization accounting, units of property are capitalized in the same manner as
20 they are in depreciation accounting. Amortization accounting is used for accounts
21 with a large number of units, but small asset values. Depreciation accounting is
22 difficult for these assets because periodic inventories are required to properly reflect
23 plant in service. Consequently, retirements are recorded when a vintage is fully
24 amortized rather than as the units are removed from service. That is, there is no

1 dispersion of retirements. All units are retired when the age of the vintage reaches the
2 amortization period. Each plant account or group of assets is assigned a fixed period
3 which represents an anticipated life during which the assets will render full benefit.
4 For example, in amortization accounting, assets that have a 20-year amortization
5 period will be fully recovered after 20 years of service and taken off the Company's
6 books, but not necessarily removed from service. In contrast, assets that are taken out
7 of service before 20 years remain on the books until the amortization period for that
8 vintage has expired.

9 **Q. FOR WHICH PLANT ACCOUNTS IS AMORTIZATION ACCOUNTING**
10 **BEING UTILIZED?**

11 A. Amortization accounting is only appropriate for certain General Plant or General Plant
12 related accounts. These accounts are 316.21, 316.22, 316.23, 325.21, 325.22, 325.23,
13 335.21, 335.22, 335.23, 346.21, 346.22, 346.23, 390.05, 391.0, 391.2, 392.05, 393,
14 394, 394.05, 395, 397, 397.05 and 398. These accounts represent less than two percent
15 of the Company's depreciable plant.

16 **Q. PLEASE USE AN EXAMPLE TO ILLUSTRATE HOW THE ANNUAL**
17 **DEPRECIATION ACCRUAL RATE FOR A PARTICULAR GROUP OF**
18 **PROPERTY IS PRESENTED IN YOUR DEPRECIATION STUDY.**

19 A. I will use Account 362, Station Equipment, as an example because it is one of the
20 largest depreciable mass accounts and represents approximately six percent of total
21 depreciable plant.

22 The retirement rate method was used to analyze the survivor characteristics of
23 this property group. Aged plant accounting data was compiled from 1932 through
24 2018 and analyzed in periods that best represent the overall service life of this

1 property. The life tables for the 1932-2018 and 1989-2018 experience bands are
2 presented on pages VII-154 through VII-159 of the report. The life table displays the
3 retirement and surviving ratios of the aged plant data exposed to retirement by age
4 interval. For example, page VII-154 shows \$632,211 retired at age 0.5 with
5 \$1,099,062,479 exposed to retirement. Consequently, the retirement ratio is 0.0006
6 and the surviving ratio is 0.9994. These life tables, or original survivor curves, are
7 plotted along with the estimated smooth survivor curve, the 60-R2.5 on page VII-153.

8 The net salvage percent is presented on pages VIII-77 through VIII-79. The
9 percentage is based on the result of annual gross salvage minus the cost to remove
10 plant assets as compared to the original cost of plant retired during the period 1961
11 through 2018. The 58-year period experienced \$9,208,669 (\$4,922,357 -
12 \$14,131,026) in net salvage for \$99,922,884 plant retired. The result is negative net
13 salvage of 9 percent ($\$9,208,669 / \$99,922,884$). Recent trends have shown indications
14 of negative 15 percent, therefore, it was determined that based on industry ranges,
15 historical indications and Company expectation, that negative 10 percent was the most
16 appropriate estimate.

17 My calculation of the annual depreciation related to the original cost at
18 December 31, 2018, of electric plant is presented on pages IX-105 through IX-107.
19 The calculation is based on the 60-R2.5 survivor curve, 10 percent negative net
20 salvage, the attained age, and the allocated book reserve. The tabulation sets forth the
21 installation year, the original cost, calculated accrued depreciation, allocated book
22 reserve, future accruals, remaining life and annual accrual. These totals are brought
23 forward to the table on page VI-6.

1 **Q. HAVE YOU DEVELOPED DEPRECIATION RATES FOR FUTURE**
2 **ASSETS?**

3 A. Yes. Ameren has plans to construct wind facilities and storage battery assets during
4 2020. The rates for the wind generation assets will be based on the interim survivor
5 curve for each account, a negative net salvage percentage for each account and a 30-
6 year life span for all assets at the location. For storage battery assets in generation,
7 transmission and distribution, a rate was developed based on a 10-year average life
8 and 0 percent net salvage. All of these future rates are presented on page VI-7 of
9 Schedule JJS-D2.

10 **Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?**

11 A. Yes.

JOHN SPANOS

DEPRECIATION EXPERIENCE

Q. Please state your name.

A. My name is John J. Spanos.

Q. What is your educational background?

A. I have Bachelor of Science degrees in Industrial Management and Mathematics from Carnegie-Mellon University and a Master of Business Administration from York College.

Q. Do you belong to any professional societies?

A. Yes. I am a member and past President of the Society of Depreciation Professionals and a member of the American Gas Association/Edison Electric Institute Industry Accounting Committee.

Q. Do you hold any special certification as a depreciation expert?

A. Yes. The Society of Depreciation Professionals has established national standards for depreciation professionals. The Society administers an examination to become certified in this field. I passed the certification exam in September 1997 and was recertified in August 2003, February 2008, January 2013 and February 2018.

Q. Please outline your experience in the field of depreciation.

A. In June 1986, I was employed by Gannett Fleming Valuation and Rate Consultants, Inc. as a Depreciation Analyst. During the period from June 1986 through December, 1995, I helped prepare numerous depreciation and original cost studies for utility companies in various industries. I helped perform depreciation studies for the following telephone companies: United Telephone of Pennsylvania, United Telephone of New Jersey, and Anchorage Telephone Utility. I helped perform depreciation studies for the following

companies in the railroad industry: Union Pacific Railroad, Burlington Northern Railroad, and Wisconsin Central Transportation Corporation.

I helped perform depreciation studies for the following organizations in the electric utility industry: Chugach Electric Association, The Cincinnati Gas and Electric Company (CG&E), The Union Light, Heat and Power Company (ULH&P), Northwest Territories Power Corporation, and the City of Calgary - Electric System.

I helped perform depreciation studies for the following pipeline companies: TransCanada Pipelines Limited, Trans Mountain Pipe Line Company Ltd., Interprovincial Pipe Line Inc., Nova Gas Transmission Limited and Lakehead Pipeline Company.

I helped perform depreciation studies for the following gas utility companies: Columbia Gas of Pennsylvania, Columbia Gas of Maryland, The Peoples Natural Gas Company, T. W. Phillips Gas & Oil Company, CG&E, ULH&P, Lawrenceburg Gas Company and Penn Fuel Gas, Inc.

I helped perform depreciation studies for the following water utility companies: Indiana-American Water Company, Consumers Pennsylvania Water Company and The York Water Company; and depreciation and original cost studies for Philadelphia Suburban Water Company and Pennsylvania-American Water Company.

In each of the above studies, I assembled and analyzed historical and simulated data, performed field reviews, developed preliminary estimates of service life and net salvage, calculated annual depreciation, and prepared reports for submission to state public utility commissions or federal regulatory agencies. I performed these studies under the general direction of William M. Stout, P.E.

In January 1996, I was assigned to the position of Supervisor of Depreciation Studies. In July 1999, I was promoted to the position of Manager, Depreciation and

Valuation Studies. In December 2000, I was promoted to the position as Vice-President of Gannett Fleming Valuation and Rate Consultants, Inc., in April 2012, I was promoted to the position as Senior Vice President of the Valuation and Rate Division of Gannett Fleming Inc. (now doing business as Gannett Fleming Valuation and Rate Consultants, LLC) and in January of 2019, I was promoted to my present position of President of Gannett Fleming Valuation and Rate Consultants, LLC. In my current position I am responsible for conducting all depreciation, valuation and original cost studies, including the preparation of final exhibits and responses to data requests for submission to the appropriate regulatory bodies.

Since January 1996, I have conducted depreciation studies similar to those previously listed including assignments for Pennsylvania-American Water Company; Aqua Pennsylvania; Kentucky-American Water Company; Virginia-American Water Company; Indiana-American Water Company; Iowa-American Water Company; New Jersey-American Water Company; Hampton Water Works Company; Omaha Public Power District; Enbridge Pipe Line Company; Inc.; Columbia Gas of Virginia, Inc.; Virginia Natural Gas Company National Fuel Gas Distribution Corporation - New York and Pennsylvania Divisions; The City of Bethlehem - Bureau of Water; The City of Coatesville Authority; The City of Lancaster - Bureau of Water; Peoples Energy Corporation; The York Water Company; Public Service Company of Colorado; Enbridge Pipelines; Enbridge Gas Distribution, Inc.; Reliant Energy-HLP; Massachusetts-American Water Company; St. Louis County Water Company; Missouri-American Water Company; Chugach Electric Association; Alliant Energy; Oklahoma Gas & Electric Company; Nevada Power Company; Dominion Virginia Power; NUI-Virginia Gas Companies; Pacific Gas & Electric Company; PSI Energy; NUI - Elizabethtown Gas Company; Cinergy Corporation – CG&E; Cinergy Corporation – ULH&P; Columbia Gas of Kentucky; South Carolina Electric & Gas Company; Idaho Power Company; El Paso

Electric Company; Aqua North Carolina; Aqua Ohio; Aqua Texas, Inc.; Aqua Illinois, Inc.; Ameren Missouri; Central Hudson Gas & Electric; Centennial Pipeline Company; CenterPoint Energy-Arkansas; CenterPoint Energy – Oklahoma; CenterPoint Energy – Entex; CenterPoint Energy - Louisiana; NSTAR – Boston Edison Company; Westar Energy, Inc.; United Water Pennsylvania; PPL Electric Utilities; PPL Gas Utilities; Wisconsin Power & Light Company; TransAlaska Pipeline; Avista Corporation; Northwest Natural Gas; Allegheny Energy Supply, Inc.; Public Service Company of North Carolina; South Jersey Gas Company; Duquesne Light Company; MidAmerican Energy Company; Laclede Gas; Duke Energy Company; E.ON U.S. Services Inc.; Elkton Gas Services; Anchorage Water and Wastewater Utility; Kansas City Power and Light; Duke Energy North Carolina; Duke Energy South Carolina; Monongahela Power Company; Potomac Edison Company; Duke Energy Ohio Gas; Duke Energy Kentucky; Duke Energy Indiana; Duke Energy Progress; Northern Indiana Public Service Company; Tennessee-American Water Company; Columbia Gas of Maryland; Maryland-American Water Company; Bonneville Power Administration; NSTAR Electric and Gas Company; EPCOR Distribution, Inc.; B. C. Gas Utility, Ltd; Entergy Arkansas; Entergy Texas; Entergy Mississippi; Entergy Louisiana; Entergy Gulf States Louisiana; the Borough of Hanover; Louisville Gas and Electric Company; Kentucky Utilities Company; Madison Gas and Electric; Central Maine Power; PEPCO; PacifiCorp; Minnesota Energy Resource Group; Jersey Central Power & Light Company; Cheyenne Light, Fuel and Power Company; United Water Arkansas; Central Vermont Public Service Corporation; Green Mountain Power; Portland General Electric Company; Atlantic City Electric; Nicor Gas Company; Black Hills Power; Black Hills Colorado Gas; Black Hills Kansas Gas; Black Hills Service Company; Black Hills Utility Holdings; Public Service Company of Oklahoma; City of

Dubois; Peoples Gas Light and Coke Company; North Shore Gas Company; Connecticut Light and Power; New York State Electric and Gas Corporation; Rochester Gas and Electric Corporation; Greater Missouri Operations; Tennessee Valley Authority; Omaha Public Power District; Indianapolis Power & Light Company; Vermont Gas Systems, Inc.; Metropolitan Edison; Pennsylvania Electric; West Penn Power; Pennsylvania Power; PHI Service Company - Delmarva Power and Light; Atmos Energy Corporation; Citizens Energy Group; PSE&G Company; Berkshire Gas Company; Alabama Gas Corporation; Mid-Atlantic Interstate Transmission, LLC; SUEZ Water; WEC Energy Group; Rocky Mountain Natural Gas, LLC; Illinois-American Water Company and Northern Illinois Gas Company.

My additional duties include determining final life and salvage estimates, conducting field reviews, presenting recommended depreciation rates to management for its consideration and supporting such rates before regulatory bodies.

Q. Have you submitted testimony to any state utility commission on the subject of utility plant depreciation?

A. Yes. I have submitted testimony to the Pennsylvania Public Utility Commission; the Commonwealth of Kentucky Public Service Commission; the Public Utilities Commission of Ohio; the Nevada Public Utility Commission; the Public Utilities Board of New Jersey; the Missouri Public Service Commission; the Massachusetts Department of Telecommunications and Energy; the Alberta Energy & Utility Board; the Idaho Public Utility Commission; the Louisiana Public Service Commission; the State Corporation Commission of Kansas; the Oklahoma Corporate Commission; the Public Service Commission of South Carolina; Railroad Commission of Texas – Gas Services Division; the New York Public Service Commission; Illinois Commerce Commission; the Indiana

Utility Regulatory Commission; the California Public Utilities Commission; the Federal Energy Regulatory Commission (“FERC”); the Arkansas Public Service Commission; the Public Utility Commission of Texas; Maryland Public Service Commission; Washington Utilities and Transportation Commission; The Tennessee Regulatory Commission; the Regulatory Commission of Alaska; Minnesota Public Utility Commission; Utah Public Service Commission; District of Columbia Public Service Commission; the Mississippi Public Service Commission; Delaware Public Service Commission; Virginia State Corporation Commission; Colorado Public Utility Commission; Oregon Public Utility Commission; South Dakota Public Utilities Commission; Wisconsin Public Service Commission; Wyoming Public Service Commission; the Public Service Commission of West Virginia; Maine Public Utility Commission; Iowa Utility Board; Connecticut Public Utilities Regulatory Authority; New Mexico Public Regulation Commission; Commonwealth of Massachusetts Department of Public Utilities; Rhode Island Public Utilities Commission and the North Carolina Utilities Commission.

Q. Have you had any additional education relating to utility plant depreciation?

A. Yes. I have completed the following courses conducted by Depreciation Programs, Inc.: “Techniques of Life Analysis,” “Techniques of Salvage and Depreciation Analysis,” “Forecasting Life and Salvage,” “Modeling and Life Analysis Using Simulation,” and “Managing a Depreciation Study.” I have also completed the “Introduction to Public Utility Accounting” program conducted by the American Gas Association.

Q. Does this conclude your qualification statement?

A. Yes.

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
01.	1998	PA PUC	R-00984375	City of Bethlehem – Bureau of Water	Original Cost and Depreciation
02.	1998	PA PUC	R-00984567	City of Lancaster	Original Cost and Depreciation
03.	1999	PA PUC	R-00994605	The York Water Company	Depreciation
04.	2000	D.T.&E.	DTE 00-105	Massachusetts-American Water Company	Depreciation
05.	2001	PA PUC	R-00016114	City of Lancaster	Original Cost and Depreciation
06.	2001	PA PUC	R-00017236	The York Water Company	Depreciation
07.	2001	PA PUC	R-00016339	Pennsylvania-American Water Company	Depreciation
08.	2001	OH PUC	01-1228-GA-AIR	Cinergy Corp – Cincinnati Gas & Elect Company	Depreciation
09.	2001	KY PSC	2001-092	Cinergy Corp – Union Light, Heat & Power Co.	Depreciation
10.	2002	PA PUC	R-00016750	Philadelphia Suburban Water Company	Depreciation
11.	2002	KY PSC	2002-00145	Columbia Gas of Kentucky	Depreciation
12.	2002	NJ BPU	GF02040245	NUI Corporation/Elizabethtown Gas Company	Depreciation
13.	2002	ID PUC	IPC-E-03-7	Idaho Power Company	Depreciation
14.	2003	PA PUC	R-0027975	The York Water Company	Depreciation
15.	2003	IN URC	R-0027975	Cinergy Corp – PSI Energy, Inc.	Depreciation
16.	2003	PA PUC	R-00038304	Pennsylvania-American Water Company	Depreciation
17.	2003	MO PSC	WR-2003-0500	Missouri-American Water Company	Depreciation
18.	2003	FERC	ER-03-1274-000	NSTAR-Boston Edison Company	Depreciation
19.	2003	NJ BPU	BPU 03080683	South Jersey Gas Company	Depreciation
20.	2003	NV PUC	03-10001	Nevada Power Company	Depreciation
21.	2003	LA PSC	U-27676	CenterPoint Energy – Arkla	Depreciation
22.	2003	PA PUC	R-00038805	Pennsylvania Suburban Water Company	Depreciation
23.	2004	AB En/Util Bd	1306821	EPCOR Distribution, Inc.	Depreciation
24.	2004	PA PUC	R-00038168	National Fuel Gas Distribution Corp (PA)	Depreciation
25.	2004	PA PUC	R-00049255	PPL Electric Utilities	Depreciation
26.	2004	PA PUC	R-00049165	The York Water Company	Depreciation
27.	2004	OK Corp Cm	PUC 200400187	CenterPoint Energy – Arkla	Depreciation
28.	2004	OH PUC	04-680-EI-AIR	Cinergy Corp. – Cincinnati Gas and Electric Company	Depreciation
29.	2004	RR Com of TX	GUD#	CenterPoint Energy – Entex Gas Services Div.	Depreciation
30.	2004	NY PUC	04-G-1047	National Fuel Gas Distribution Gas (NY)	Depreciation
31.	2004	AR PSC	04-121-U	CenterPoint Energy – Arkla	Depreciation
32.	2005	IL CC	05-	North Shore Gas Company	Depreciation
33.	2005	IL CC	05-	Peoples Gas Light and Coke Company	Depreciation
34.	2005	KY PSC	2005-00042	Union Light Heat & Power	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
35.	2005	IL CC	05-0308	MidAmerican Energy Company	Depreciation
36.	2005	MO PSC	GF-2005	Laclede Gas Company	Depreciation
37.	2005	KS CC	05-WSEE-981-RTS	Westar Energy	Depreciation
38.	2005	RR Com of TX	GUD #	CenterPoint Energy – Entex Gas Services Div.	Depreciation
39.	2005	FERC		Cinergy Corporation	Accounting
40.	2005	OK CC	PUD 200500151	Oklahoma Gas and Electric Company	Depreciation
41.	2005	MA Dept Tele- com & Ergy	DTE 05-85	NSTAR	Depreciation
42.	2005	NY PUC	05-E-934/05-G-0935	Central Hudson Gas & Electric Company	Depreciation
43.	2005	AK Reg Com	U-04-102	Chugach Electric Association	Depreciation
44.	2005	CA PUC	A05-12-002	Pacific Gas & Electric	Depreciation
45.	2006	PA PUC	R-00051030	Aqua Pennsylvania, Inc.	Depreciation
46.	2006	PA PUC	R-00051178	T.W. Phillips Gas and Oil Company	Depreciation
47.	2006	NC Util Cm.		Pub. Service Company of North Carolina	Depreciation
48.	2006	PA PUC	R-00051167	City of Lancaster	Depreciation
49.	2006	PA PUC	R00061346	Duquesne Light Company	Depreciation
50.	2006	PA PUC	R-00061322	The York Water Company	Depreciation
51.	2006	PA PUC	R-00051298	PPL GAS Utilities	Depreciation
52.	2006	PUC of TX	32093	CenterPoint Energy – Houston Electric	Depreciation
53.	2006	KY PSC	2006-00172	Duke Energy Kentucky	Depreciation
54.	2006	SC PSC		SCANA	
55.	2006	AK Reg Com	U-06-6	Municipal Light and Power	Depreciation
56.	2006	DE PSC	06-284	Delmarva Power and Light	Depreciation
57.	2006	IN URC	IURC43081	Indiana American Water Company	Depreciation
58.	2006	AK Reg Com	U-06-134	Chugach Electric Association	Depreciation
59.	2006	MO PSC	WR-2007-0216	Missouri American Water Company	Depreciation
60.	2006	FERC	ISO82, ETC. AL	TransAlaska Pipeline	Depreciation
61.	2006	PA PUC	R-00061493	National Fuel Gas Distribution Corp. (PA)	Depreciation
62.	2007	NC Util Com.	E-7 SUB 828	Duke Energy Carolinas, LLC	Depreciation
63.	2007	OH PSC	08-709-EL-AIR	Duke Energy Ohio Gas	Depreciation
64.	2007	PA PUC	R-00072155	PPL Electric Utilities Corporation	Depreciation
65.	2007	KY PSC	2007-00143	Kentucky American Water Company	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
66.	2007	PA PUC	R-00072229	Pennsylvania American Water Company	Depreciation
67.	2007	KY PSC	2007-0008	NiSource – Columbia Gas of Kentucky	Depreciation
68.	2007	NY PSC	07-G-0141	National Fuel Gas Distribution Corp (NY)	Depreciation
69.	2008	AK PSC	U-08-004	Anchorage Water & Wastewater Utility	Depreciation
70.	2008	TN Reg Auth	08-00039	Tennessee-American Water Company	Depreciation
71.	2008	DE PSC	08-96	Artesian Water Company	Depreciation
72.	2008	PA PUC	R-2008-2023067	The York Water Company	Depreciation
73.	2008	KS CC	08-WSEE1-RTS	Westar Energy	Depreciation
74.	2008	IN URC	43526	Northern Indiana Public Service Company	Depreciation
75.	2008	IN URC	43501	Duke Energy Indiana	Depreciation
76.	2008	MD PSC	9159	NiSource – Columbia Gas of Maryland	Depreciation
77.	2008	KY PSC	2008-000251	Kentucky Utilities	Depreciation
78.	2008	KY PSC	2008-000252	Louisville Gas & Electric	Depreciation
79.	2008	PA PUC	2008-20322689	Pennsylvania American Water Co. - Wastewater	Depreciation
80.	2008	NY PSC	08-E887/08-00888	Central Hudson	Depreciation
81.	2008	WV TC	VE-080416/VG-8080417	Avista Corporation	Depreciation
82.	2008	IL CC	ICC-09-166	Peoples Gas, Light and Coke Company	Depreciation
83.	2009	IL CC	ICC-09-167	North Shore Gas Company	Depreciation
84.	2009	DC PSC	1076	Potomac Electric Power Company	Depreciation
85.	2009	KY PSC	2009-00141	NiSource – Columbia Gas of Kentucky	Depreciation
86.	2009	FERC	ER08-1056-002	Entergy Services	Depreciation
87.	2009	PA PUC	R-2009-2097323	Pennsylvania American Water Company	Depreciation
88.	2009	NC Util Cm	E-7, Sub 090	Duke Energy Carolinas, LLC	Depreciation
89.	2009	KY PSC	2009-00202	Duke Energy Kentucky	Depreciation
90.	2009	VA St. CC	PUE-2009-00059	Aqua Virginia, Inc.	Depreciation
91.	2009	PA PUC	2009-2132019	Aqua Pennsylvania, Inc.	Depreciation
92.	2009	MS PSC	09-	Entergy Mississippi	Depreciation
93.	2009	AK PSC	09-08-U	Entergy Arkansas	Depreciation
94.	2009	TX PUC	37744	Entergy Texas	Depreciation
95.	2009	TX PUC	37690	El Paso Electric Company	Depreciation
96.	2009	PA PUC	R-2009-2106908	The Borough of Hanover	Depreciation
97.	2009	KS CC	10-KCPE-415-RTS	Kansas City Power & Light	Depreciation
98.	2009	PA PUC	R-2009-	United Water Pennsylvania	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
99.	2009	OH PUC		Aqua Ohio Water Company	Depreciation
100.	2009	WI PSC	3270-DU-103	Madison Gas & Electric Company	Depreciation
101.	2009	MO PSC	WR-2010	Missouri American Water Company	Depreciation
102.	2009	AK Reg Cm	U-09-097	Chugach Electric Association	Depreciation
103.	2010	IN URC	43969	Northern Indiana Public Service Company	Depreciation
104.	2010	WI PSC	6690-DU-104	Wisconsin Public Service Corp.	Depreciation
105.	2010	PA PUC	R-2010-2161694	PPL Electric Utilities Corp.	Depreciation
106.	2010	KY PSC	2010-00036	Kentucky American Water Company	Depreciation
107.	2010	PA PUC	R-2009-2149262	Columbia Gas of Pennsylvania	Depreciation
108.	2010	MO PSC	GR-2010-0171	Laclede Gas Company	Depreciation
109.	2010	SC PSC	2009-489-E	South Carolina Electric & Gas Company	Depreciation
110.	2010	NJ BD OF PU	ER09080664	Atlantic City Electric	Depreciation
111.	2010	VA St. CC	PUE-2010-00001	Virginia American Water Company	Depreciation
112.	2010	PA PUC	R-2010-2157140	The York Water Company	Depreciation
113.	2010	MO PSC	ER-2010-0356	Greater Missouri Operations Company	Depreciation
114.	2010	MO PSC	ER-2010-0355	Kansas City Power and Light	Depreciation
115.	2010	PA PUC	R-2010-2167797	T.W. Phillips Gas and Oil Company	Depreciation
116.	2010	PSC SC	2009-489-E	SCANA – Electric	Depreciation
117.	2010	PA PUC	R-2010-22010702	Peoples Natural Gas, LLC	Depreciation
118.	2010	AK PSC	10-067-U	Oklahoma Gas and Electric Company	Depreciation
119.	2010	IN URC		Northern Indiana Public Serv. Company - NIFL	Depreciation
120.	2010	IN URC		Northern Indiana Public Serv. Co. - Kokomo	Depreciation
121.	2010	PA PUC	R-2010-2166212	Pennsylvania American Water Co. - WW	Depreciation
122.	2010	NC Util Cn.	W-218,SUB310	Aqua North Carolina, Inc.	Depreciation
123.	2011	OH PUC	11-4161-WS-AIR	Ohio American Water Company	Depreciation
124.	2011	MS PSC	EC-123-0082-00	Entergy Mississippi	Depreciation
125.	2011	CO PUC	11AL-387E	Black Hills Colorado	Depreciation
126.	2011	PA PUC	R-2010-2215623	Columbia Gas of Pennsylvania	Depreciation
127.	2011	PA PUC	R-2010-2179103	City of Lancaster – Bureau of Water	Depreciation
128.	2011	IN URC	43114 IGCC 4S	Duke Energy Indiana	Depreciation
129.	2011	FERC	IS11-146-000	Enbridge Pipelines (Southern Lights)	Depreciation
130.	2011	IL CC	11-0217	MidAmerican Energy Corporation	Depreciation
131.	2011	OK CC	201100087	Oklahoma Gas & Electric Company	Depreciation
132.	2011	PA PUC	2011-2232243	Pennsylvania American Water Company	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
133.	2011	FERC	2011-2232243	Carolina Gas Transmission	Depreciation
134.	2012	WA UTC	UE-120436/UG-120437	Avista Corporation	Depreciation
135.	2012	AK Reg Cm	U-12-009	Chugach Electric Association	Depreciation
136.	2012	MA PUC	DPU 12-25	Columbia Gas of Massachusetts	Depreciation
137.	2012	TX PUC	40094	El Paso Electric Company	Depreciation
138.	2012	ID PUC	IPC-E-12	Idaho Power Company	Depreciation
139.	2012	PA PUC	R-2012-2290597	PPL Electric Utilities	Depreciation
140.	2012	PA PUC	R-2012-2311725	Borough of Hanover – Bureau of Water	Depreciation
141.	2012	KY PSC	2012-00222	Louisville Gas and Electric Company	Depreciation
142.	2012	KY PSC	2012-00221	Kentucky Utilities Company	Depreciation
143.	2012	PA PUC	R-2012-2285985	Peoples Natural Gas Company	Depreciation
144.	2012	DC PSC	Case 1087	Potomac Electric Power Company	Depreciation
145.	2012	OH PSC	12-1682-EL-AIR	Duke Energy Ohio (Electric)	Depreciation
146.	2012	OH PSC	12-1685-GA-AIR	Duke Energy Ohio (Gas)	Depreciation
147.	2012	PA PUC	R-2012-2310366	City of Lancaster – Sewer Fund	Depreciation
148.	2012	PA PUC	R-2012-2321748	Columbia Gas of Pennsylvania	Depreciation
149.	2012	FERC	ER-12-2681-000	ITC Holdings	Depreciation
150.	2012	MO PSC	ER-2012-0174	Kansas City Power and Light	Depreciation
151.	2012	MO PSC	ER-2012-0175	KCPL Greater Missouri Operations Company	Depreciation
152.	2012	MO PSC	GO-2012-0363	Laclede Gas Company	Depreciation
153.	2012	MN PUC	G007,001/D-12-533	Integrus – MN Energy Resource Group	Depreciation
153.	2012	TX PUC		Aqua Texas	Depreciation
155.	2012	PA PUC	2012-2336379	York Water Company	Depreciation
156.	2013	NJ BPU	ER12121071	PHI Service Company– Atlantic City Electric	Depreciation
157.	2013	KY PSC	2013-00167	Columbia Gas of Kentucky	Depreciation
158.	2013	VA St CC	2013-00020	Virginia Electric and Power Company	Depreciation
159.	2013	IA Util Bd	2013-0004	MidAmerican Energy Corporation	Depreciation
160.	2013	PA PUC	2013-2355276	Pennsylvania American Water Company	Depreciation
161.	2013	NY PSC	13-E-0030, 13-G-0031, 13-S-0032	Consolidated Edison of New York	Depreciation
162.	2013	PA PUC	2013-2355886	Peoples TWP LLC	Depreciation
163.	2013	TN Reg Auth	12-0504	Tennessee American Water	Depreciation
164.	2013	ME PUC	2013-168	Central Maine Power Company	Depreciation
165.	2013	DC PSC	Case 1103	PHI Service Company – PEPCO	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
166.	2013	WY PSC	2003-ER-13	Cheyenne Light, Fuel and Power Company	Depreciation
167.	2013	FERC	ER13- -0000	Kentucky Utilities	Depreciation
168.	2013	FERC	ER13- -0000	MidAmerican Energy Company	Depreciation
169.	2013	FERC	ER13- -0000	PPL Utilities	Depreciation
170.	2013	PA PUC	R-2013-2372129	Duquesne Light Company	Depreciation
171.	2013	NJ BPU	ER12111052	Jersey Central Power and Light Company	Depreciation
172.	2013	PA PUC	R-2013-2390244	Bethlehem, City of – Bureau of Water	Depreciation
173.	2013	OK CC	UM 1679	Oklahoma, Public Service Company of	Depreciation
174.	2013	IL CC	13-0500	Nicor Gas Company	Depreciation
175.	2013	WY PSC	20000-427-EA-13	PacifiCorp	Depreciation
176.	2013	UT PSC	13-035-02	PacifiCorp	Depreciation
177.	2013	OR PUC	UM 1647	PacifiCorp	Depreciation
178.	2013	PA PUC	2013-2350509	Dubois, City of	Depreciation
179.	2014	IL CC	14-0224	North Shore Gas Company	Depreciation
180.	2014	FERC	ER14-	Duquesne Light Company	Depreciation
181.	2014	SD PUC	EL14-026	Black Hills Power Company	Depreciation
182.	2014	WY PSC	20002-91-ER-14	Black Hills Power Company	Depreciation
183.	2014	PA PUC	2014-2428304	Borough of Hanover – Municipal Water Works	Depreciation
184.	2014	PA PUC	2014-2406274	Columbia Gas of Pennsylvania	Depreciation
185.	2014	IL CC	14-0225	Peoples Gas Light and Coke Company	Depreciation
186.	2014	MO PSC	ER-2014-0258	Ameren Missouri	Depreciation
187.	2014	KS CC	14-BHCG-502-RTS	Black Hills Service Company	Depreciation
188.	2014	KS CC	14-BHCG-502-RTS	Black Hills Utility Holdings	Depreciation
189.	2014	KS CC	14-BHCG-502-RTS	Black Hills Kansas Gas	Depreciation
190.	2014	PA PUC	2014-2418872	Lancaster, City of – Bureau of Water	Depreciation
191.	2014	WV PSC	14-0701-E-D	First Energy – MonPower/PotomacEdison	Depreciation
192.	2014	VA St CC	PUC-2014-00045	Aqua Virginia	Depreciation
193.	2014	VA St CC	PUE-2013	Virginia American Water Company	Depreciation
194.	2014	OK CC	PUD201400229	Oklahoma Gas and Electric Company	Depreciation
195.	2014	OR PUC	UM1679	Portland General Electric	Depreciation
196.	2014	IN URC	Cause No. 44576	Indianapolis Power & Light	Depreciation
197.	2014	MA DPU	DPU. 14-150	NSTAR Gas	Depreciation
198.	2014	CT PURA	14-05-06	Connecticut Light and Power	Depreciation
199.	2014	MO PSC	ER-2014-0370	Kansas City Power & Light	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
200.	2014	KY PSC	2014-00371	Kentucky Utilities Company	Depreciation
201.	2014	KY PSC	2014-00372	Louisville Gas and Electric Company	Depreciation
202.	2015	PA PUC	R-2015-2462723	United Water Pennsylvania Inc.	Depreciation
203.	2015	PA PUC	R-2015-2468056	NiSource - Columbia Gas of Pennsylvania	Depreciation
204.	2015	NY PSC	15-E-0283/15-G-0284	New York State Electric and Gas Corporation	Depreciation
205.	2015	NY PSC	15-E-0285/15-G-0286	Rochester Gas and Electric Corporation	Depreciation
206.	2015	MO PSC	WR-2015-0301/SR-2015-0302	Missouri American Water Company	Depreciation
207.	2015	OK CC	PUD 201500208	Oklahoma, Public Service Company of	Depreciation
208.	2015	WV PSC	15-0676-W-42T	West Virginia American Water Company	Depreciation
209.	2015	PA PUC	2015-2469275	PPL Electric Utilities	Depreciation
210.	2015	IN URC	Cause No. 44688	Northern Indiana Public Service Company	Depreciation
211.	2015	OH PSC	14-1929-EL-RDR	First Energy-Ohio Edison/Cleveland Electric/ Toledo Edison	Depreciation
212.	2015	NM PRC	15-00127-UT	El Paso Electric	Depreciation
213.	2015	TX PUC	PUC-44941; SOAH 473-15-5257	El Paso Electric	Depreciation
214.	2015	WI PSC	3270-DU-104	Madison Gas and Electric Company	Depreciation
215.	2015	OK CC	PUD 201500273	Oklahoma Gas and Electric	Depreciation
216.	2015	KY PSC	Doc. No. 2015-00418	Kentucky American Water Company	Depreciation
217.	2015	NC UC	Doc. No. G-5, Sub 565	Public Service Company of North Carolina	Depreciation
218.	2016	WA UTC	Docket UE-17	Puget Sound Energy	Depreciation
219.	2016	NY PSC	Case No. 16-W-0130	SUEZ Water New York, Inc.	Depreciation
220.	2016	MO PSC	ER-2016-0156	KCPL – Greater Missouri	Depreciation
221.	2016	WI PSC		Wisconsin Public Service Commission	Depreciation
222.	2016	KY PSC	Case No. 2016-00026	Kentucky Utilities Company	Depreciation
223.	2016	KY PSC	Case No. 2016-00027	Louisville Gas and Electric Company	Depreciation
224.	2016	OH PUC	Case No. 16-0907-WW-AIR	Aqua Ohio	Depreciation
225.	2016	MD PSC	Case 9417	NiSource - Columbia Gas of Maryland	Depreciation
226.	2016	KY PSC	2016-00162	Columbia Gas of Kentucky	Depreciation
227.	2016	DE PSC	16-0649	Delmarva Power and Light Company – Electric	Depreciation
228.	2016	DE PSC	16-0650	Delmarva Power and Light Company – Gas	Depreciation
229.	2016	NY PSC	Case 16-G-0257	National Fuel Gas Distribution Corp – NY Div	Depreciation
230.	2016	PA PUC	R-2016-2537349	Metropolitan Edison Company	Depreciation
231.	2016	PA PUC	R-2016-2537352	Pennsylvania Electric Company	Depreciation
232.	2016	PA PUC	R-2016-2537355	Pennsylvania Power Company	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
233.	2016	PA PUC	R-2016-2537359	West Penn Power Company	Depreciation
234.	2016	PA PUC	R-2016-2529660	NiSource - Columbia Gas of PA	Depreciation
235.	2016	KY PSC	Case No. 2016-00063	Kentucky Utilities / Louisville Gas & Electric Co	Depreciation
236.	2016	MO PSC	ER-2016-0285	KCPL Missouri	Depreciation
237.	2016	AR PSC	16-052-U	Oklahoma Gas & Electric Co	Depreciation
238.	2016	PSCW	6680-DU-104	Wisconsin Power and Light	Depreciation
239.	2016	ID PUC	IPC-E-16-23	Idaho Power Company	Depreciation
240.	2016	OR PUC	UM1801	Idaho Power Company	Depreciation
241.	2016	ILL CC	16-	MidAmerican Energy Company	Depreciation
242.	2016	KY PSC	Case No. 2016-00370	Kentucky Utilities Company	Depreciation
243.	2016	KY PSC	Case No. 2016-00371	Louisville Gas and Electric Company	Depreciation
244.	2016	IN URC		Indianapolis Power & Light	Depreciation
245.	2016	AL RC	U-16-081	Chugach Electric Association	Depreciation
246.	2017	MA DPU	D.P.U. 17-05	NSTAR Electric Company and Western Massachusetts Electric Company	Depreciation
247.	2017	TX PUC	PUC-26831, SOAH 973-17-2686	El Paso Electric Company	Depreciation
248.	2017	WA UTC	UE-17033 and UG-170034	Puget Sound Energy	Depreciation
249.	2017	OH PUC	Case No. 17-0032-EL-AIR	Duke Energy Ohio	Depreciation
250.	2017	VA SCC	Case No. PUE-2016-00413	Virginia Natural Gas, Inc.	Depreciation
251.	2017	OK CC	Case No. PUD201700151	Public Service Company of Oklahoma	Depreciation
252.	2017	MD PSC	Case No. 9447	Columbia Gas of Maryland	Depreciation
253.	2017	NC UC	Docket No. E-2, Sub 1142	Duke Energy Progress	Depreciation
254.	2017	VA SCC	Case No. PUR-2017-00090	Dominion Virginia Electric and Power Company	Depreciation
255.	2017	FERC	ER17-1162	MidAmerican Energy Company	Depreciation
256.	2017	PA PUC	R-2017-2595853	Pennsylvania American Water Company	Depreciation
257.	2017	OR PUC	UM1809	Portland General Electric	Depreciation
258.	2017	FERC	ER17-217	Jersey Central Power & Light	Depreciation
259.	2017	FERC	ER17-211	Mid-Atlantic Interstate Transmission, LLC	Depreciation
260.	2017	MN PUC	Docket No. G007/D-17-442	Minnesota Energy Resources Corporation	Depreciation
261.	2017	IL CC	Docket No. 17-0124	Northern Illinois Gas Company	Depreciation
262.	2017	OR PUC	UM1808	Northwest Natural Gas Company	Depreciation
263.	2017	NY PSC	Case No. 17-W-0528	SUEZ Water Owego-Nichols	Depreciation
264.	2017	MO PSC	GR-2017-0215	Laclede Gas Company	Depreciation
265.	2017	MO PSC	GR-2017-0216	Missouri Gas Energy	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
266.	2017	ILL CC	Docket No. 17-0337	Illinois-American Water Company	Depreciation
267.	2017	FERC	Docket No. ER17- _	PPL Electric Utilities Corporation	Depreciation
268.	2017	IN URC	Cause No. 44988	Northern Indiana Public Service Company	Depreciation
269.	2017	NJ BPU	BPU Docket No. WR17090985	New Jersey American Water Company, Inc.	Depreciation
270.	2017	RI PUC	Docket No. 4800	SUEZ Water Rhode Island	Depreciation
271.	2017	OK CC	Cause No. PUD 201700496	Oklahoma Gas and Electric Company	Depreciation
272.	2017	NJ BPU	ER18010029 & GR18010030	Public Service Electric and Gas Company	Depreciation
273.	2017	NC Util Com.	Docket No. E-7, SUB 1146	Duke Energy Carolinas, LLC	Depreciation
274.	2017	KY PSC	Case No. 2017-00321	Duke Energy Kentucky, Inc.	Depreciation
275.	2017	MA DPU	D.P.U. 18-40	Berkshire Gas Company	Depreciation
276.	2018	IN IURC	Cause No. 44992	Indiana-American Water Company, Inc.	Depreciation
277.	2018	IN IURC	Cause No. 45029	Indianapolis Power and Light	Depreciation
278.	2018	NC Util Com.	Docket No. W-218, Sub 497	Aqua North Carolina, Inc.	Depreciation
279.	2018	PA PUC	Docket No. R-2018-2647577	NiSource - Columbia Gas of Pennsylvania, Inc.	Depreciation
280.	2018	OR PUC	Docket UM 1933	Avista Corporation	Depreciation
281.	2018	WA UTC	Docket No. UE-108167	Avista Corporation	Depreciation
282.	2018	ID PUC	AVU-E-18-03, AVU-G-18-02	Avista Corporation	Depreciation
283.	2018	IN URC	Cause No. 45039	Citizens Energy Group	Depreciation
284.	2018	FERC	Docket No. ER18-	Duke Energy Progress	Depreciation
285.	2018	PA PUC	Docket No. R-2018-3000124	Duquesne Light Company	Depreciation
286.	2018	MD PSC	Case No. 9480	NiSource - Columbia Gas of Maryland	Depreciation
287.	2018	MA DPU	D.P.U. 18-45	NiSource - Columbia Gas of Massachusetts	Depreciation
288.	2018	OH PUC	Case No. 18-0299-GA-ALT	Vectren Energy Delivery of Ohio	Depreciation
289.	2018	PA PUC	Docket No. R-2018-3000834	SUEZ Water Pennsylvania Inc.	Depreciation
290.	2018	MD PSC	Case No. 9847	Maryland-American Water Company	Depreciation
291.	2018	PA PUC	Docket No. R-2018-3000019	The York Water Company	Depreciation
292.	2018	FERC	Docket Nos. ER-18-2231-000	Duke Energy Carolinas, LLC	Depreciation
293.	2018	KY PSC	Case No. 2018-00261	Duke Energy Kentucky, Inc.	Depreciation
294.	2018	NJ BPU	BPU Docket No. WR18050593	SUEZ Water New Jersey	Depreciation
295.	2018	WA UTC	Docket No. UE-180778	PacifiCorp	Depreciation
296.	2018	UT PSC	Docket No. 18-035-36	PacifiCorp	Depreciation
297.	2018	OR PUC	Docket No. UM-1968	PacifiCorp	Depreciation
298.	2018	ID PUC	Case No. PAC-E-18-08	PacifiCorp	Depreciation
299.	2018	WY PSC	20000-539-EA-18	PacifiCorp	Depreciation
300.	2018	PA PUC	Docket No. R-2018-3003068	Aqua Pennsylvania, Inc.	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
301.	2018	IL CC	Docket No. 18-1467	Aqua Illinois, Inc.	Depreciation
302.	2018	KY PSC	Case No. 2018-00294	Louisville Gas & Electric Company	Depreciation
303.	2018	KY PSC	Case No. 2018-00295	Kentucky Utilities Company	Depreciation
304.	2018	IN URC	Cause No. 45159	Northern Indiana Public Service Company	Depreciation
305.	2018	VA SCC	Case No. PUR-2019-00175	Virginia American Water Company	Depreciation
306.	2019	PA PUC	Docket No. R-2018-3006818	Peoples Natural Gas Company, LLC	Depreciation
307.	2019	OK CC	Cause No. PUD201800140	Oklahoma Gas and Electric Company	Depreciation
308.	2019	MD PSC	Case No. 9490	FirstEnergy – Potomac Edison	Depreciation
309.	2019	SC PSC	Docket No. 2018-318-E	Duke Energy Progress	Depreciation
310.	2019	SC PSC	Docket No. 2018-319-E	Duke Energy Carolinas	Depreciation



2018 DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION
ACCRUALS RELATED TO ELECTRIC PLANT
AS OF DECEMBER 31, 2018

Prepared by:



*Excellence Delivered **As Promised***

Schedule JJS-D2

AMEREN MISSOURI
ST. LOUIS, MISSOURI

2018 DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION
ACCRUALS RELATED TO ELECTRIC PLANT
AS OF DECEMBER 31, 2018

GANNETT FLEMING VALUATION AND RATE CONSULTANTS, LLC
Camp Hill, Pennsylvania

Schedule JJS-D2



Gannett Fleming

*Excellence Delivered **As Promised***

June 21, 2019

Ameren Missouri
1901 Choteau Boulevard
St. Louis, MO 63103

Attention Wendy K. Tatro, Esq.
Director and Asst. General Counsel

Ladies and Gentlemen:

Pursuant to your request, we have conducted a depreciation study related to the electric plant of Ameren Missouri as of December 31, 2018. The attached report presents a description of the methods used in the estimation of depreciation, the summary of annual depreciation accrual rates, the statistical support for the life and net salvage estimates and the detailed tabulations of annual depreciation.

We gratefully acknowledge the assistance of Ameren Missouri personnel in the conduct of this study.

Respectfully submitted,

GANNETT FLEMING VALUATION
AND RATE CONSULTANTS, LLC

JOHN J. SPANOS
President

JJS:mle

065221



TABLE OF CONTENTS

Executive Summary	v
PART I. INTRODUCTION	I-1
Scope	I-2
Plan of Report	I-2
Basis of the Study	I-3
Depreciation	I-3
Service Life and Net Salvage Estimates.....	I-4
PART II. ESTIMATION OF SURVIVOR CURVES	II-1
Survivor Curves.....	II-2
Iowa Type Curves.....	II-3
Retirement Rate Method of Analysis	II-9
Schedules of Annual Transactions in Plant Records.....	II-10
Schedule of Plant Exposed to Retirement.....	II-13
Original Life Table	II-15
Smoothing the Original Survivor Curve	II-17
PART III. SERVICE LIFE CONSIDERATIONS	III-1
Field Trips	III-2
Service Life Analysis	III-3
Life Span Estimates.....	III-5
PART IV. NET SALVAGE CONSIDERATIONS	IV-1
Salvage Analysis.....	IV-2
Net Salvage Considerations	IV-2
PART V. CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION	V-1
Group Depreciation Procedures.....	V-2
Single Unit of Property.....	V-2
Remaining Life Annual Accruals.....	V-3
Average Service Life Procedure	V-3
Calculation of Annual and Accrued Amortization	V-4
PART VI. RESULTS OF STUDY	VI-1
Qualification of Results.....	VI-2
Description of Detailed Tabulations.....	VI-2

TABLE OF CONTENTS, cont

Table 1. Summary of Estimated Survivor Curves, Net Salvage Percent,
Original Cost, Book Depreciation Reserve and Calculated
Annual Depreciation Accruals Related to Electric Plant
as of December 31, 2018 VI-4

PART VII. SERVICE LIFE STATISTICS..... VII-1

PART VIII. NET SALVAGE STATISTICS..... VIII-1

PART IX. DETAILED DEPRECIATION CALCULATIONS IX-1

AMEREN MISSOURI
DEPRECIATION STUDY

EXECUTIVE SUMMARY

Pursuant to Ameren Missouri's ("Ameren" or "Company") request, Gannett Fleming Valuation and Rate Consultants, LLC ("Gannett Fleming") conducted a depreciation study related to the electric plant as of December 31, 2018. The purpose of this study was to determine the annual depreciation accrual rates and amounts for book and ratemaking purposes.

The depreciation rates are based on the straight line method using the average service life ("ASL") procedure and were applied on a remaining life basis. The calculations were based on attained ages and estimated average service life, and forecasted net salvage characteristics for each depreciable group of assets.

Ameren's accounting policy has not changed since the last depreciation study was prepared. However, there has been significant increases in capital additions and retirements of assets, particularly at generating facilities. These changes in plant have caused the proposed depreciation rates to increase as compared to the previous depreciation study as of December 31, 2013.

Gannett Fleming recommends the calculated annual depreciation accrual rates set forth herein apply specifically to electric plant in service as of December 31, 2018 as summarized by Table 1 of the study. Supporting analysis and calculations are provided within the study.

The study results set forth an annual depreciation expense of \$553.8 million when applied to depreciable plant balances as of December 31, 2018. The results are summarized at the functional level as follows:

SUMMARY OF ORIGINAL COST, ACCRUAL RATES AND AMOUNTS

<u>FUNCTION</u>	<u>ORIGINAL COST AS OF DECEMBER 31, 2018</u>	<u>PROPOSED RATE</u>	<u>PROPOSED EXPENSE</u>
Steam Production Plant	\$4,550,843,837.72	4.23	\$192,375,575
Nuclear Production Plant	3,262,902,351.30	2.54	82,770,779
Hydraulic Production Plant	502,670,806.47	2.56	12,849,916
Other Production Plant	1,256,557,262.14	1.79	22,536,295
Transmission Plant	1,217,203,753.90	2.45	29,820,800
Distribution Plant	5,956,491,754.13	2.98	177,253,815
General Plant	646,964,530.85	5.60	36,201,049
Total	<u>\$17,393,634,296.51</u>		<u>\$553,808,229</u>

PART I. INTRODUCTION

AMEREN MISSOURI DEPRECIATION STUDY

PART I. INTRODUCTION

SCOPE

This report sets forth the results of the depreciation study for Ameren Missouri (“Ameren”), to determine the annual depreciation accrual rates and amounts for book purposes applicable to the original cost of electric plant as of December 31, 2018. 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 electric plant in service as of December 31, 2018.

The service life and net salvage estimates resulting from the study were based on informed judgment which incorporated analyses of historical plant retirement data as recorded through 2018, a review of Company practice and outlook as they relate to plant operation and retirement, and consideration of current practice in the electric industry, including knowledge of service lives and net salvage estimates used for other electric companies.

PLAN OF REPORT

Part I, Introduction, contains statements with respect to the plan of the report, and the basis of the study. Part II, Estimation of Survivor Curves, presents descriptions of the considerations and the methods used in the service life and net salvage studies. Part III, Service Life Considerations, presents the factors and judgment utilized in the average service life analysis. Part IV, Net Salvage Considerations, presents the judgment utilized for the net salvage study. Part V, Calculation of Annual and Accrued Depreciation, describes the procedures used in the calculation of group depreciation. Part VI, Results

of Study, presents summaries by depreciable group of annual depreciation accrual rates and amounts, as well as composite remaining lives. Part VII, Service Life Statistics presents the statistical analysis of service life estimates, Part VIII, Net Salvage Statistics sets forth the statistical indications of net salvage percents, and Part IX, Detailed Depreciation Calculations presents the detailed tabulations of annual depreciation.

BASIS OF THE STUDY

Depreciation

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

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

For most accounts, the annual depreciation was calculated by the straight line method using the average service life procedure and the remaining life basis. For certain General Plant accounts, the annual depreciation is based on amortization accounting.

Both types of calculations were based on original cost, attained ages, and estimates of service lives and net salvage.

The straight line method, average service life procedure is a commonly used depreciation calculation procedure that has been widely accepted in jurisdictions throughout North America. Gannett Fleming recommends its continued use. Amortization accounting is used for certain General Plant accounts because of the disproportionate plant accounting effort required when compared to the minimal original cost of the large number of items in these accounts. An explanation of the calculation of annual and accrued amortization is presented beginning on page V-4 of the report.

Service Life and Net Salvage Estimates

The service life and net salvage estimates used in the depreciation and amortization calculations were based on informed 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 net salvage 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. The combination of the historical experience and the estimated future yielded estimated survivor curves from which the average service lives were derived.

PART II. ESTIMATION OF SURVIVOR CURVES

PART II. ESTIMATION OF SURVIVOR CURVES

The calculation of annual depreciation based on the straight line method requires the estimation of survivor curves and the selection of group depreciation procedures. The estimation of survivor curves is discussed below and the development of net salvage is discussed in later sections of this report.

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.

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.

This study has incorporated the use of Iowa curves developed from a retirement rate analysis of historical retirement history. A discussion of the concepts of survivor curves and of the development of survivor curves using the retirement rate method is presented below.

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 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,

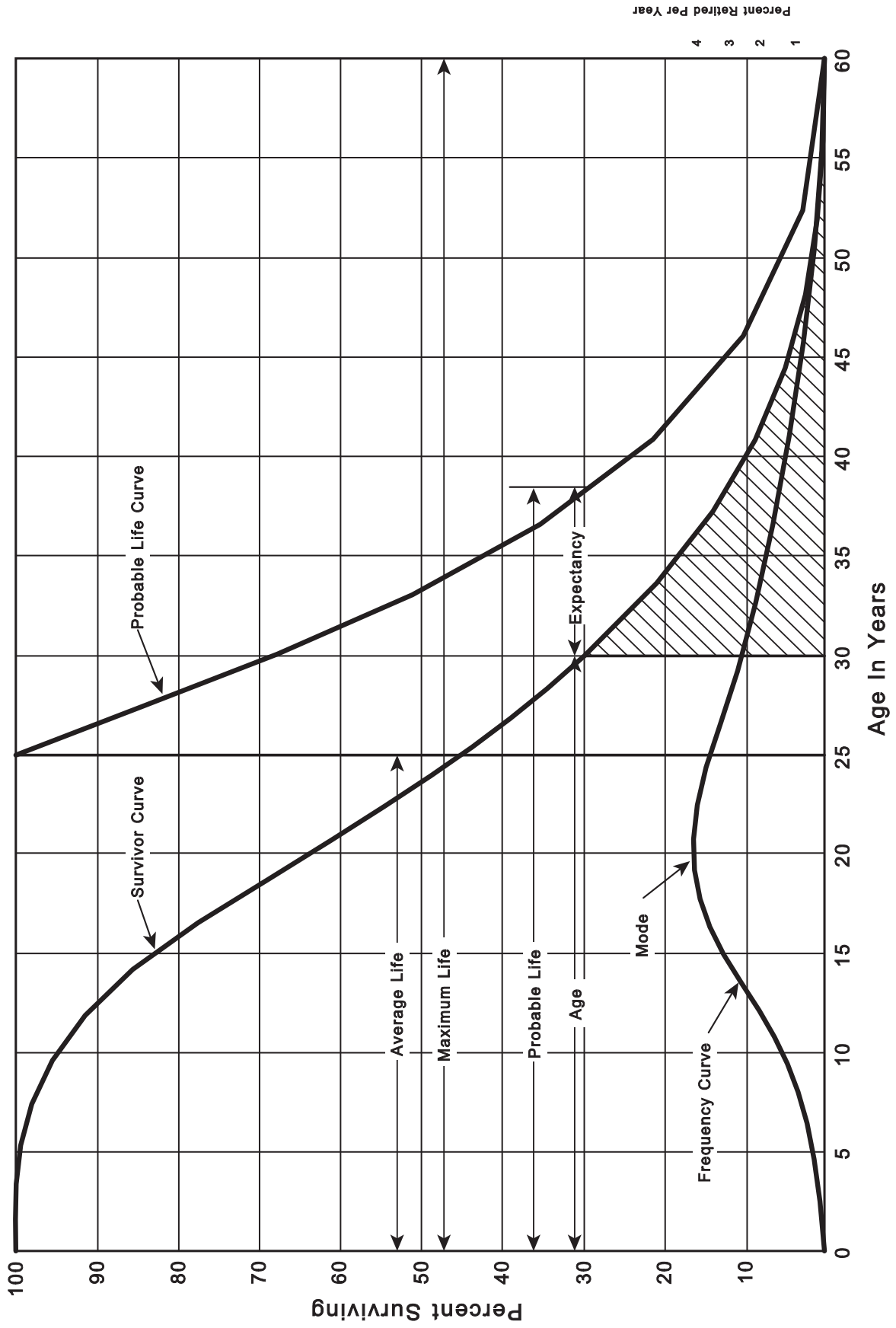


Figure 1. A Typical Survivor Curve and Derived Curves

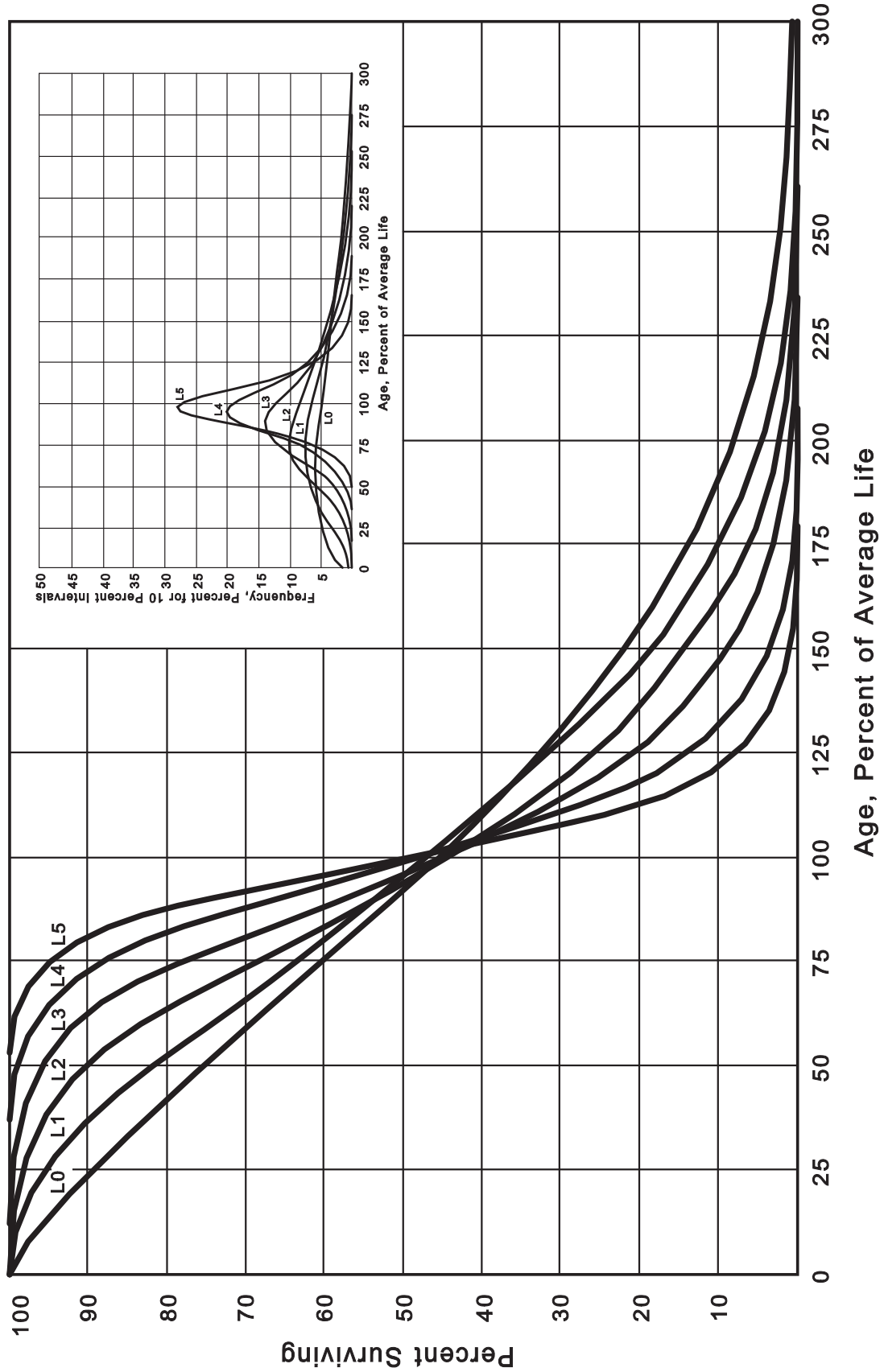


Figure 2. Left Modal or "L" Iowa Type Survivor Curves

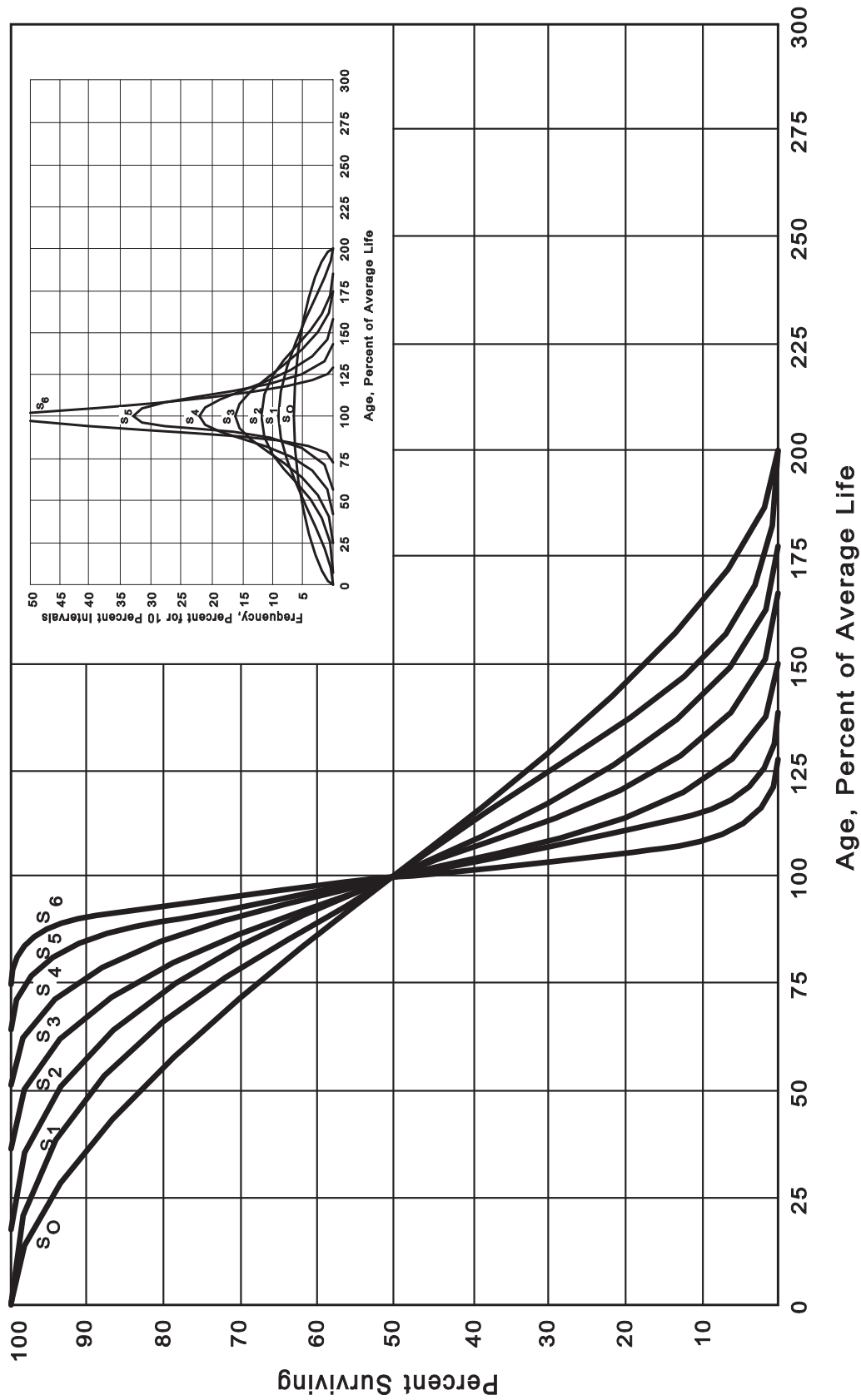


Figure 3. Symmetrical or "S" Iowa Type Survivor Curves

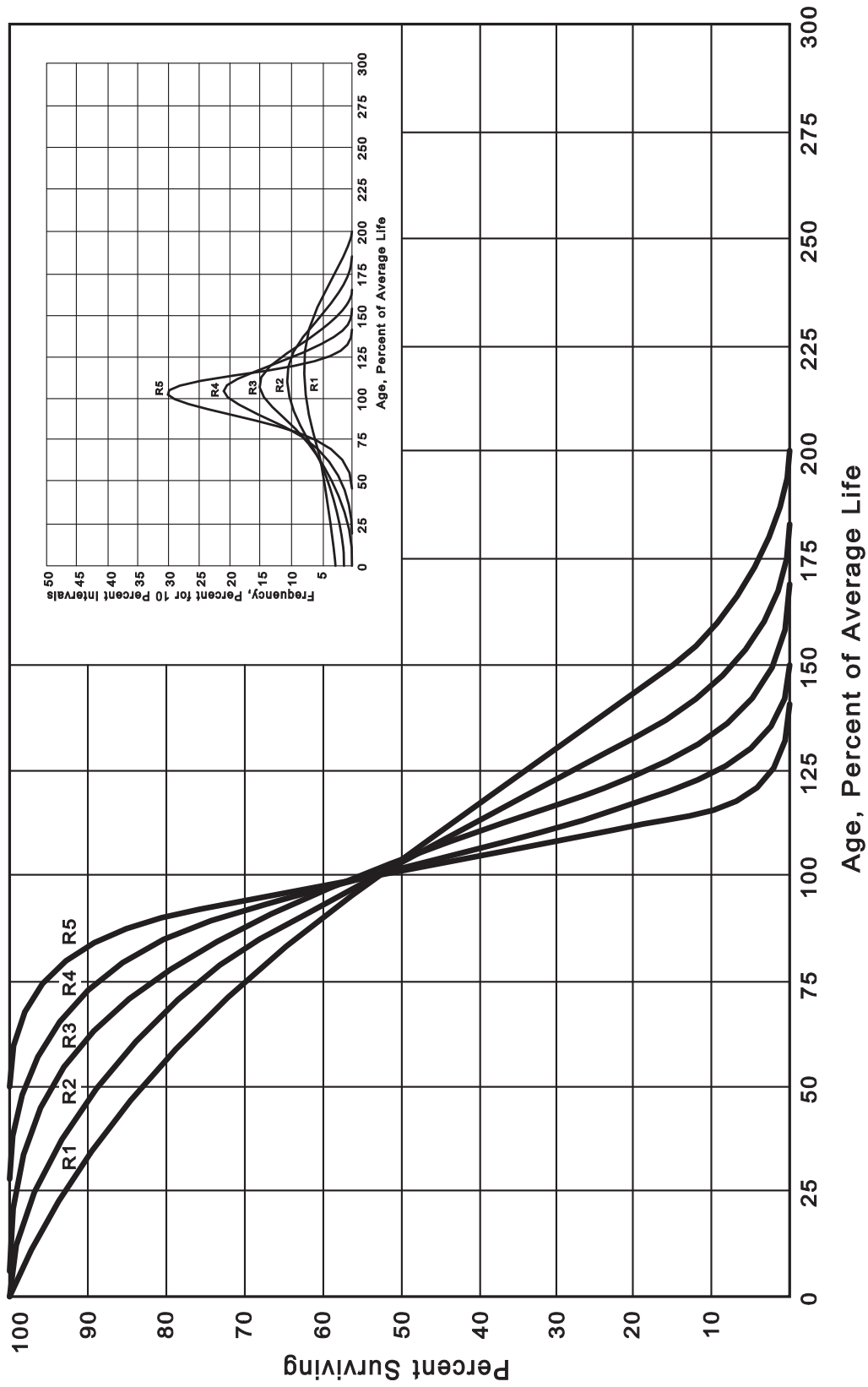


Figure 4. Right Modal or "R" Iowa Type Survivor Curves

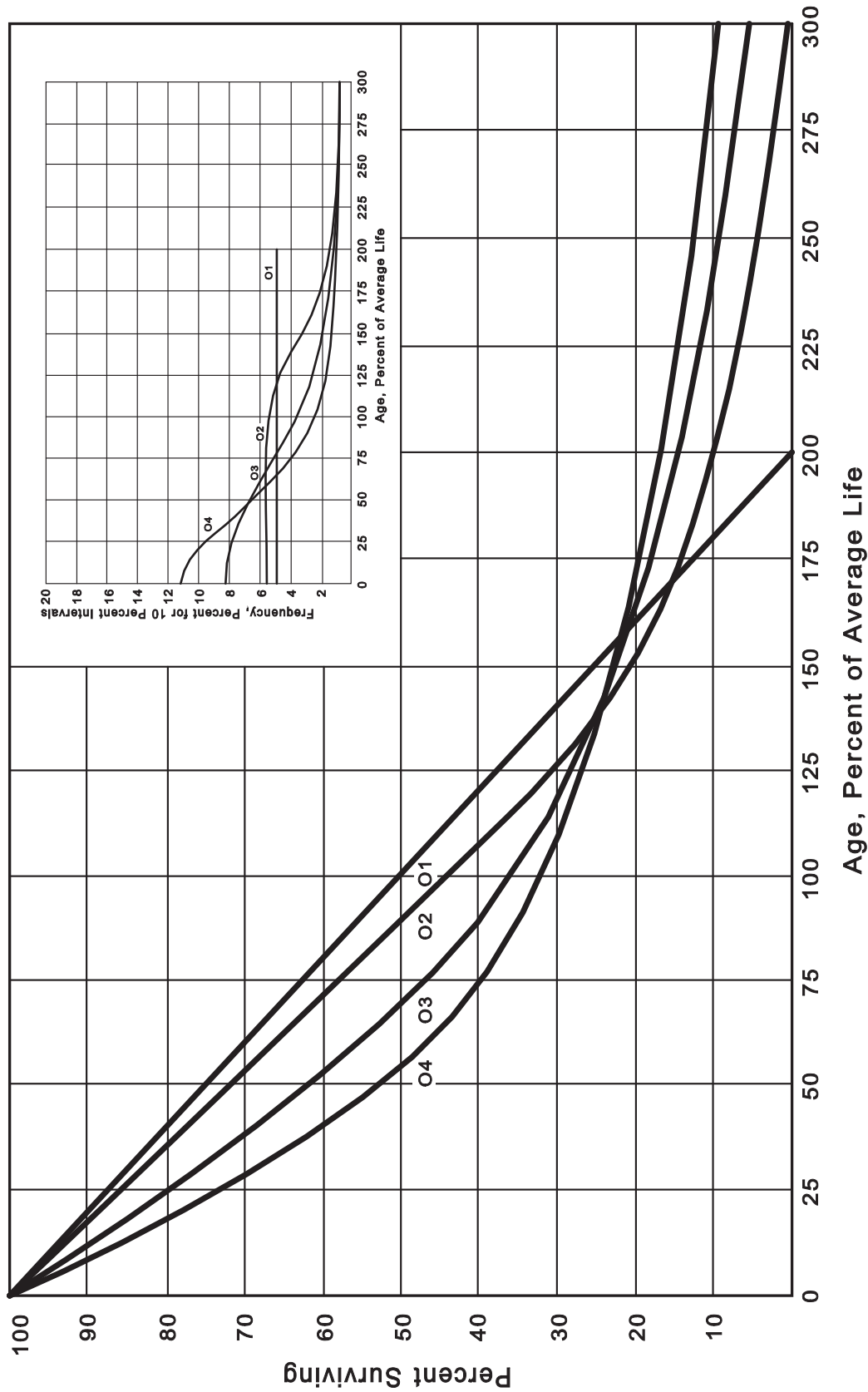


Figure 5. Origin Modal or "O" Iowa Type Survivor Curves

which constitute three of the four families, was published in 1935 in the form of the Experiment Station's Bulletin 125. These curve types have also been presented in subsequent Experiment Station bulletins and in the text, "Engineering Valuation and Depreciation."¹ In 1957, Frank V. B. Couch, Jr., an Iowa State College graduate student submitted a thesis presenting his development of the fourth family consisting of the four O type survivor curves.

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,"² "Engineering Valuation and Depreciation,"³ and "Depreciation Systems."⁴

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

¹Marston, Anson, Robley Winfrey and Jean C. Hempstead. Engineering Valuation and Depreciation, 2nd Edition. New York, McGraw-Hill Book Company. 1953.

²Winfrey, Robley, Statistical Analyses of Industrial Property Retirement. Iowa State College Engineering Station, Bulletin 125. 1935.

³Marston, Anson, Robley Winfrey, and Jean C. Hempstead, Supra Note 2.

⁴Wolf, Frank K. and W. Chester Fitch. Depreciation Systems. Iowa State University Press. 1994.

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 2009-2018 during which there were placements during the years 2004-2018. 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 pages II-11 and II-12. 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 2004 were retired in 2009. 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 2009 retirements of 2004 installations and ending with the 2018 retirements of the 2013 installations. Thus, the total amount of 143 for age interval 4½-5½ equals the sum of:

$$10 + 12 + 13 + 11 + 13 + 13 + 15 + 17 + 19 + 20.$$

SCHEDULE 1. RETIREMENTS FOR EACH YEAR 2009-2018
SUMMARIZED BY AGE INTERVAL

Placement Band 2004-2018

Experience Band 2009-2018

Year	Retirements, Thousands of Dollars													Total During Age Interval (12)	Age Interval (13)
	During Year														
Placed (1)	2009 (2)	2010 (3)	2011 (4)	2012 (5)	2013 (6)	2014 (7)	2015 (8)	2016 (9)	2017 (10)	2018 (11)	Total During Age Interval (12)		Age Interval (13)		
2004	10	11	12	13	14	16	23	24	25	26	26	26	13½-14½		
2005	11	12	13	15	16	18	20	21	22	19	19	44	12½-13½		
2006	11	12	13	14	16	17	19	21	22	18	18	64	11½-12½		
2007	8	9	10	11	11	13	14	15	16	17	17	83	10½-11½		
2008	9	10	11	12	13	14	16	17	19	20	20	93	9½-10½		
2009	4	9	10	11	12	13	14	15	16	20	20	105	8½-9½		
2010		5	11	12	13	14	15	16	18	20	20	113	7½-8½		
2011			6	12	13	15	16	17	19	19	19	124	6½-7½		
2012				6	13	15	16	17	19	19	19	131	5½-6½		
2013					13	15	16	17	19	20	20	143	4½-5½		
2014					7	14	18	20	22	23	23	146	3½-4½		
2015						8	9	20	22	25	25	150	2½-3½		
2016							11	11	23	25	25	151	1½-2½		
2017									11	24	24	153	½-1½		
2018										13	13	80	0-½		
Total	53	68	86	106	128	157	196	231	273	308	308	1,606			

SCHEDULE 2. OTHER TRANSACTIONS FOR EACH YEAR 2009-2018
SUMMARIZED BY AGE INTERVAL

Experience Band 2009-2018 Placement Band 2004-2018

Year Placed (1)	During Year										Total During Age Interval (12)	Age Interval (13)	
	2009 (2)	2010 (3)	2011 (4)	2012 (5)	2013 (6)	2014 (7)	2015 (8)	2016 (9)	2017 (10)	2018 (11)			
2004	-	-	-	-	-	-	60 ^a	-	-	-	-	-	13½-14½
2005	-	-	-	-	-	-	-	-	-	-	-	-	12½-13½
2006	-	-	-	-	-	-	-	-	-	-	-	-	11½-12½
2007	-	-	-	-	-	-	-	(5) ^b	-	-	60	-	10½-11½
2008	-	-	-	-	-	-	-	6 ^a	-	-	-	-	9½-10½
2009	-	-	-	-	-	-	-	-	-	-	(5)	-	8½-9½
2010	-	-	-	-	-	-	-	-	-	-	6	-	7½-8½
2011	-	-	-	-	-	-	-	-	-	-	-	-	6½-7½
2012	-	-	-	-	-	-	-	(12) ^b	-	-	-	-	5½-6½
2013	-	-	-	-	-	-	-	-	22 ^a	-	-	-	4½-5½
2014	-	-	-	-	-	-	-	(19) ^b	-	-	10	-	3½-4½
2015	-	-	-	-	-	-	-	-	-	-	-	-	2½-3½
2016	-	-	-	-	-	-	-	-	-	(102) ^c	(121)	-	1½-2½
2017	-	-	-	-	-	-	-	-	-	-	-	-	½-1½
2018	-	-	-	-	-	-	-	-	-	-	-	-	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.

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 page II-14. The surviving plant at the beginning of each year from 2009 through 2018 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 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 2014 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

SCHEDULE 3. PLANT EXPOSED TO RETIREMENT
 JANUARY 1 OF EACH YEAR 2009-2018
 SUMMARIZED BY AGE INTERVAL

Year Placed	Experience Band 2009-2018										Placement Band 2004-2018		
	Exposures, Thousands of Dollars										Total at		
	Annual Survivors at the Beginning of the Year										Beginning of		
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Age Interval	Age Interval	Age Interval
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(13)
2004	255	245	234	222	209	195	239	216	192	167	167	13½-14½	167
2005	279	268	256	243	228	212	194	174	153	131	323	12½-13½	323
2006	307	296	284	271	257	241	224	205	184	162	531	11½-12½	531
2007	338	330	321	311	300	289	276	262	242	226	823	10½-11½	823
2008	376	367	357	346	334	321	307	297	280	261	1,097	9½-10½	1,097
2009	420 ^a	416	407	397	386	374	361	347	332	316	1,503	8½-9½	1,503
2010		460 ^a	455	444	432	419	405	390	374	356	1,952	7½-8½	1,952
2011			510 ^a	504	492	479	464	448	431	412	2,463	6½-7½	2,463
2012				580 ^a	574	561	546	530	501	482	3,057	5½-6½	3,057
2013					660 ^a	653	639	623	628	609	3,789	4½-5½	3,789
2014						750 ^a	742	724	685	663	4,332	3½-4½	4,332
2015							850 ^a	841	821	799	4,955	2½-3½	4,955
2016								960 ^a	949	926	5,719	1½-2½	5,719
2017									1,080 ^a	1,069	6,579	½-1½	6,579
2018										1,220 ^a	7,490	0-½	7,490
Total	1,975	2,382	2,824	3,318	3,872	4,494	5,247	6,017	6,852	7,799	44,780		44,780

^aAdditions during the year

For the entire experience band 2009-2018, 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 page II-16, 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 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.

SCHEDULE 4. ORIGINAL LIFE TABLE
CALCULATED BY THE RETIREMENT RATE METHOD

Experience Band 2009-2018

Placement Band 2004-2018

(Exposure and Retirement Amounts are in Thousands of Dollars)

Age at Beginning of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Age Interval
(1)	(2)	(3)	(4)	(5)	(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
Total	<u>44,780</u>	<u>1,606</u>			35.66

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.

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 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.

FIGURE 6. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1 IOWA TYPE CURVE ORIGINAL AND SMOOTH SURVIVOR CURVES

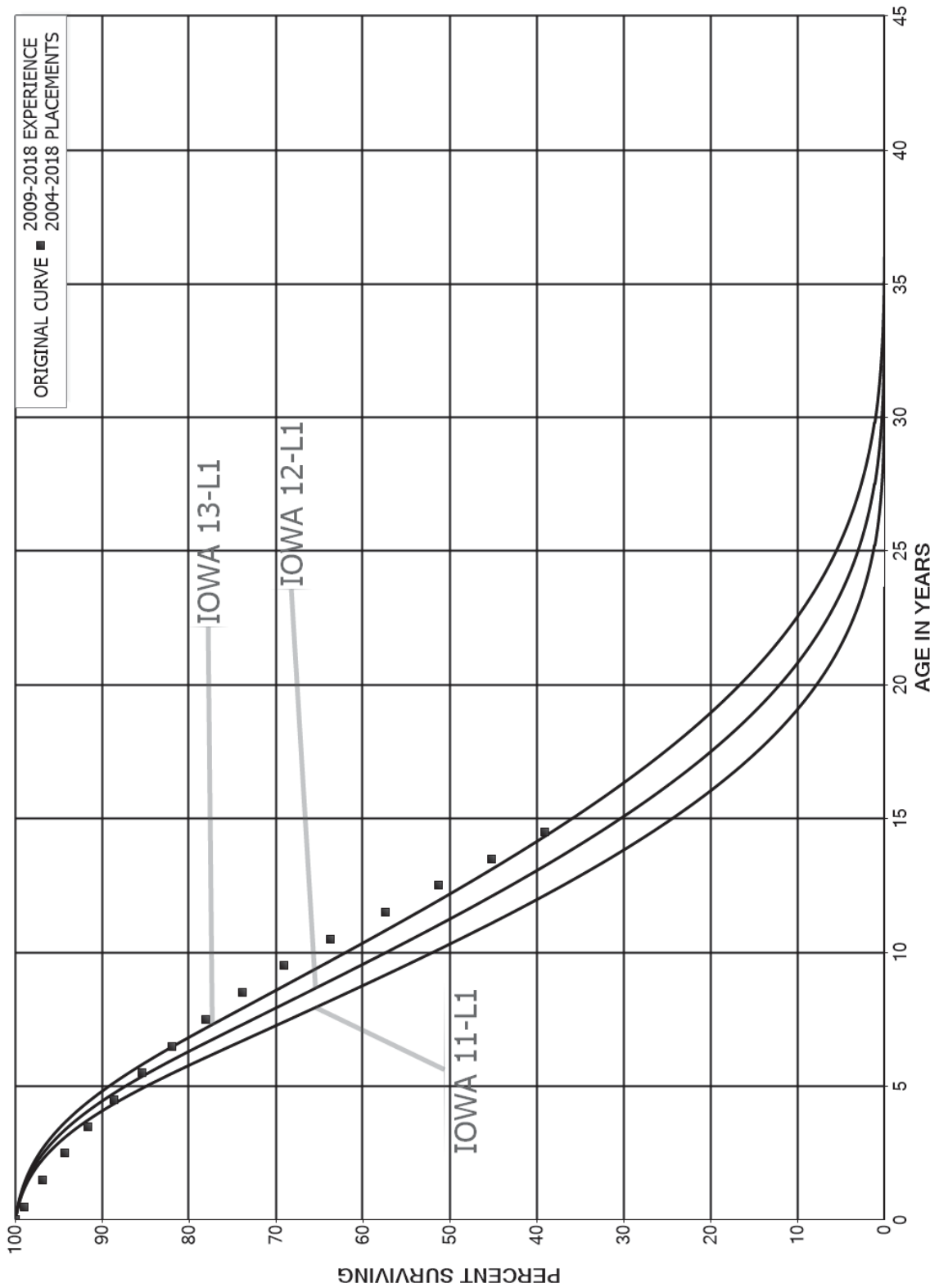


FIGURE 7. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN S0 IOWA TYPE CURVE ORIGINAL AND SMOOTH SURVIVOR CURVES

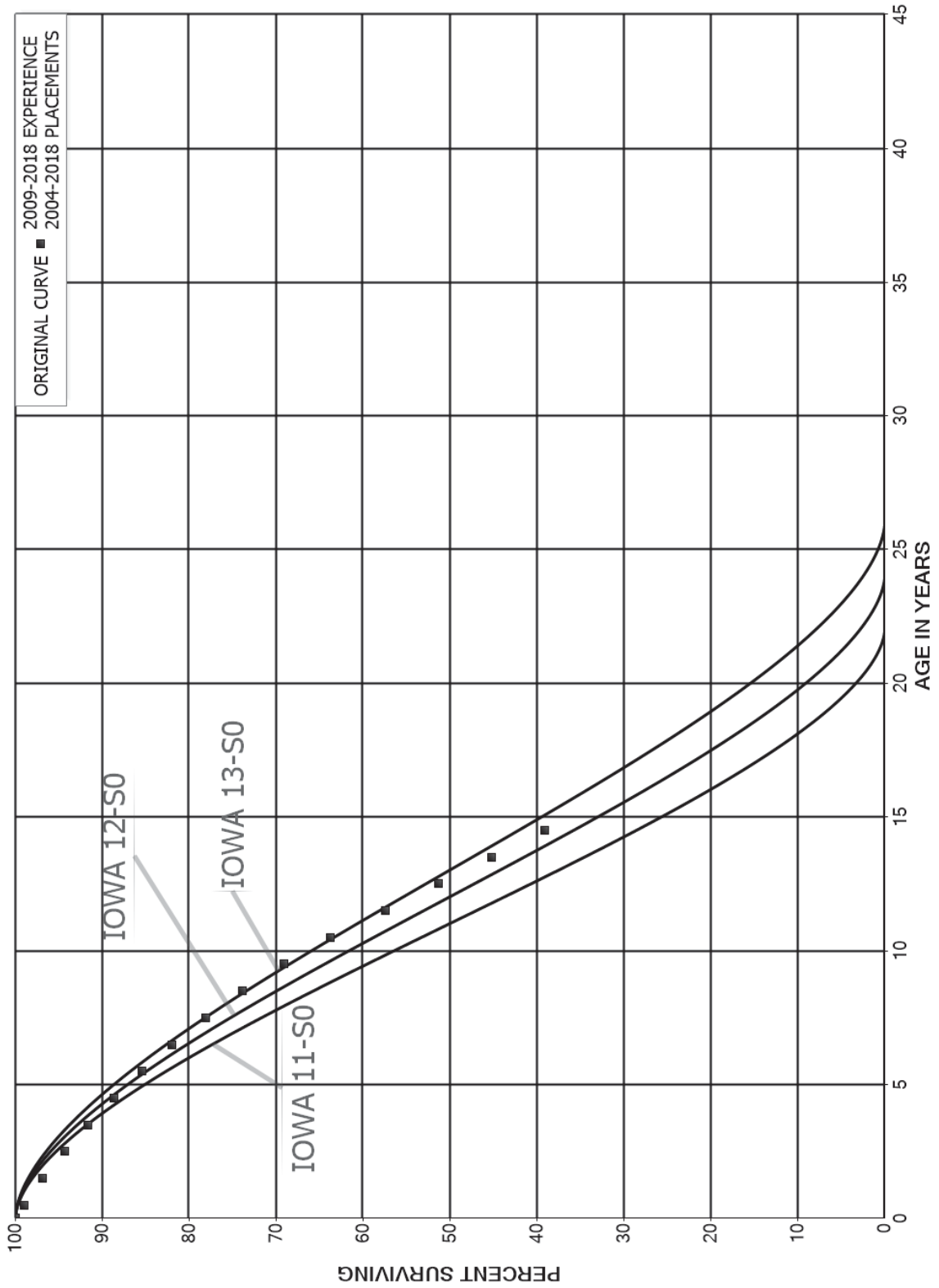


FIGURE 8. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN R1 IOWA TYPE CURVE ORIGINAL AND SMOOTH SURVIVOR CURVES

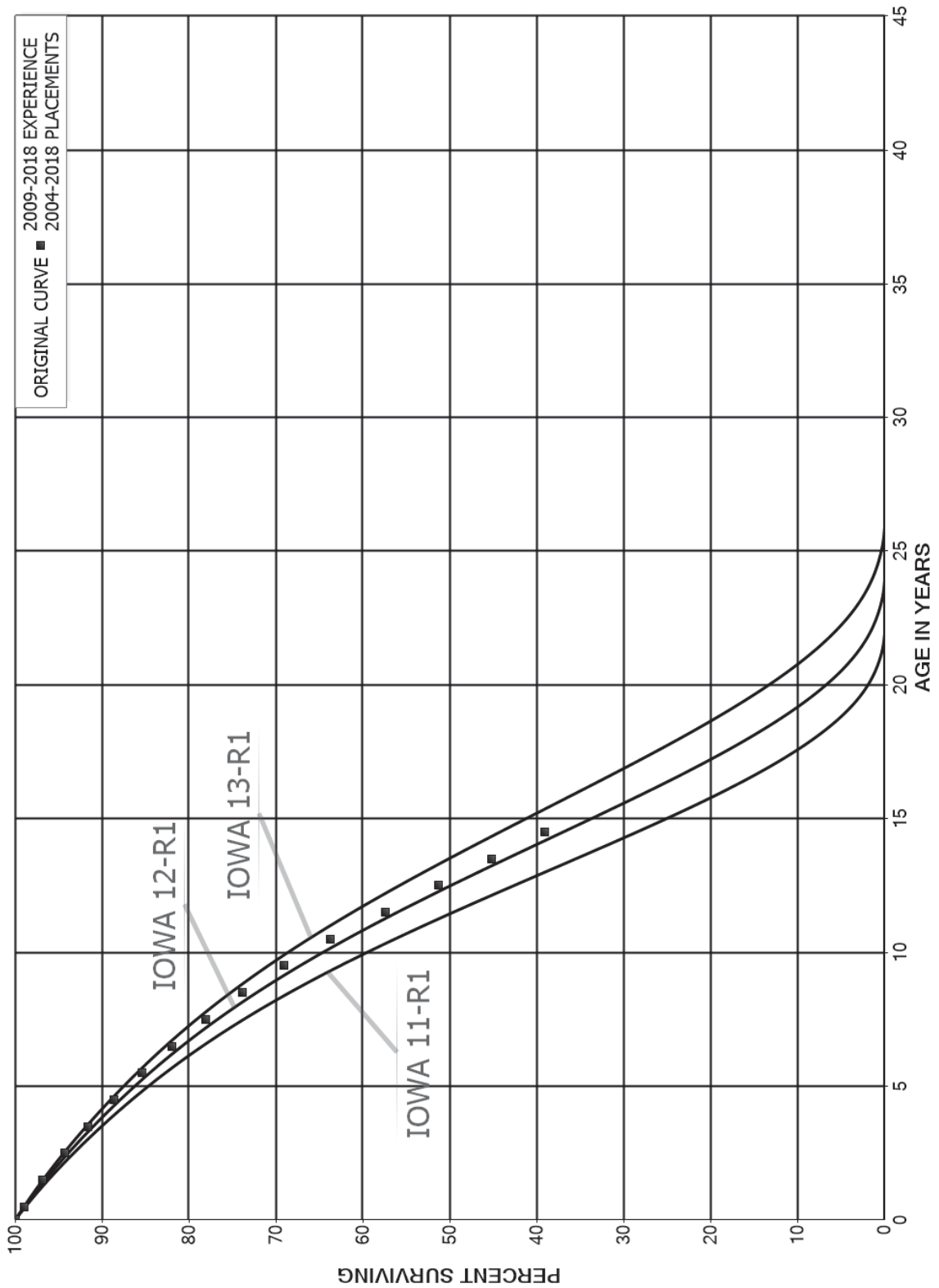
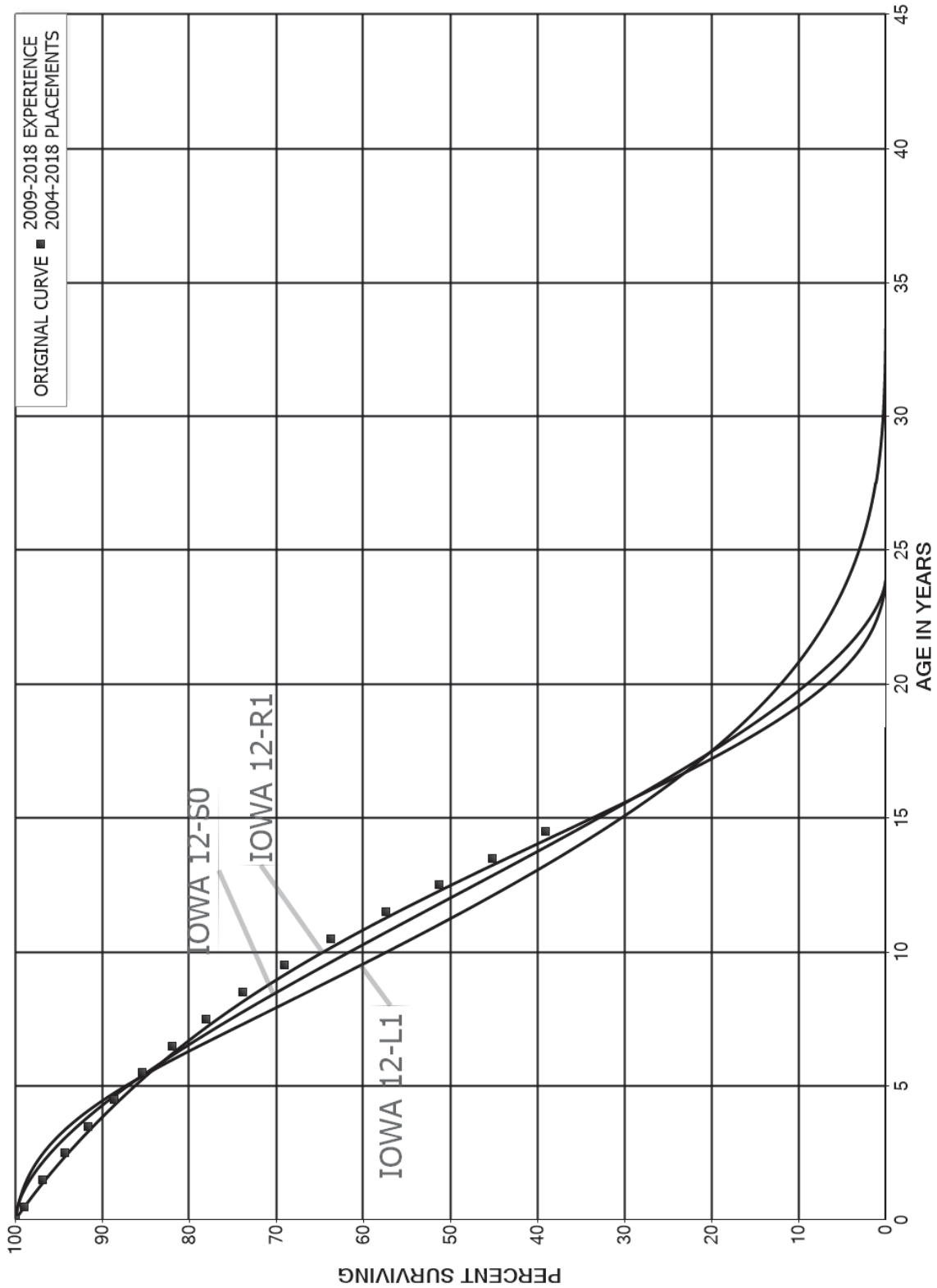


FIGURE 9. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1, S0 AND R1 IOWA TYPE CURVE ORIGINAL AND SMOOTH SURVIVOR CURVES



PART III. SERVICE LIFE CONSIDERATIONS

PART III. SERVICE LIFE CONSIDERATIONS

FIELD TRIPS

In order to be familiar with the operation of the Company and observe representative portions of the plant, a field trip was conducted for the study. A general understanding of the function of the plant and information with respect to the reasons for past retirements and the expected future causes of retirements are obtained during field trips. This knowledge and information were incorporated in the interpretation and extrapolation of the statistical analyses.

The following is a list of the locations visited during the most recent field trips.

April 15, 2019

- Taum Sauk Pump Storage Plant
- North Farmington Substation
- Leadington Substation
- St. Francis Service Center
- Maryland Heights Landfill Gas Plant

March 10-13, 2014

- Dorsett Operations Center
- Sioux Generating Plant
- Rush Island Generating Plant
- Rush Island Substation
- Meramec Generating Plant
- Labadie Generating Plant
- Venice CT Plant
- Venice Steam Generating Plant
- Central Substation
- Russell Substation

December 13-14, 2001

- Labadie Generating Plant
- Meramec Generating Plant
- Rush Island Generating Plant
- Corporate Headquarters Building
- Venice Steam Generating Plant
- Sioux Generating Plant
- Choteau Substation
- Jefferson City Office

SERVICE LIFE ANALYSIS

The service life estimates were based on informed judgment which considered a number of factors. The primary factors were the statistical analyses of data; current Company policies and outlook as determined during conversations with management; and the survivor curve estimates from previous studies of this company and other electric companies.

For many of the plant accounts and subaccounts for which survivor curves were estimated, the statistical analyses using the retirement rate method resulted in good to excellent indications of the survivor patterns experienced. These accounts represent 83 percent of depreciable plant. Generally, the information external to the statistics led to no significant departure from the indicated survivor curves for the accounts listed below. The statistical support for the service life estimates is presented in the section beginning on page VII-2.

<u>Account No.</u>	<u>Account Description</u>
STEAM PRODUCTION PLANT	
311	Structures and Improvements
312	Boiler Plant Equipment
314	Turbogenerator Units
315	Accessory Electric Equipment
316	Miscellaneous Power Plant Equipment
NUCLEAR PRODUCTION PLANT	
321	Structures and Improvements
322	Reactor Plant Equipment
323	Turbogenerator Units
324	Accessory Electric Equipment
325	Miscellaneous Power Plant Equipment
HYDRAULIC PRODUCTION PLANT	
331	Structures and Improvements
333	Water Wheels, Turbines and Generators
334	Accessory Electric Equipment
335	Miscellaneous Power Plant Equipment
OTHER PRODUCTION PLANT	
341	Structures and Improvements
342	Fuel Holders, Producers, and Accessories

344	Generators - Other CTs
345	Accessory Electric Equipment
346	Miscellaneous Power Plant Equipment
TRANSMISSION PLANT	
353	Station Equipment
355	Poles and Fixtures
DISTRIBUTION PLANT	
361	Structures and Improvements
362	Station Equipment
364	Poles and Fixtures
367	Underground Conductors and Devices
368	Line Transformers
369.1	Overhead Services
370	Meters
371	Installations on Customers' Premises
GENERAL PLANT	
390	Structures and Improvements - Large Structures
390	Structures and Improvements - Miscellaneous Structures - Old
392	Transportation Equipment
396	Power Operated Equipment

Account 364, Poles and Fixtures, is used to illustrate the manner in which the study was conducted for most of the accounts. Aged retirement and other plant accounting data were compiled through the year 2018. These data were coded in the course of the Company's normal recordkeeping according to plant account or property group, type of transaction, year in which the transaction took place, and year in which the electric plant was placed in service. The data were analyzed by the retirement rate method of life analysis. The survivor curve chart for the account is presented on page VII-160 and the life tables for the experience bands plotted on the chart follow it.

The company has a pole inspection program in place in which all poles are to be tested every twelve years. Poles are sonically tested and borings inspected to assess the condition of the poles. Poles showing signs of advanced rot and decay are removed

while other poles in better condition can be mitigated before the pole is significantly weakened. Most poles that fail an inspection are replaced. The historical service life indication for Account 364, Poles and Fixtures is the 50-R2.5 based on the 1922 to 2018 and 1989 to 2018 experience band. The prior survivor curve estimate for Account 364, Poles and Fixtures was the 47-R2.5. Typical service lives for poles and fixtures of other electric companies in the Midwest range from 40 to 60 years. The Iowa 50-R2.5 survivor curve reflects the outlook of management, is within the range of service life estimates used by other electric companies and is a reasonable interpretation of the significant portion of the stub survivor curves, particularly through about age 55.

For Account 365, Overhead Conductors and Devices, the estimate of survivor characteristics is based on the 1922 to 2018 and 1989 to 2018 experience band. Most retirements have been due to deterioration, inadequacy and voltage conversions. Typical service lives for overhead conductors and devices range from 40 to 60 years. The Iowa 50-R1 survivor curve is within the range of other estimates, is a reasonable interpretation of the significant portions of the survivor curves, particularly through about age 50, and reflects the outlook of management.

Similar studies were performed for the remaining plant accounts. Each of the judgments represented a consideration of statistical analyses of aged plant activity, management's outlook for the future, and the typical range of lives used by other electric companies.

The selected amortization periods for other General Plant accounts are described in the section "Calculated Annual and Accrued Amortization."

Life Span Estimates

The life span method was used for the Company's production plant accounts, excluding combustion turbines. The life span method is appropriate for these accounts since all of the assets within the plant will be retired concurrently. Probable retirement dates were estimated for each power plant. Life spans for each Steam Production Plant were estimated based on discussions with management regarding future outlook, age and condition of the plant, life spans typically experienced and estimated for similar plants. The life span estimates are the same as those currently used for each facility, which incorporated a comprehensive study of individual plants conducted by Black and Veatch. For coal-fired generation, the factors influencing the outlook for generating facilities has evolved in recent years and many facilities across the country either have been or are planned to be retired. As the Company reviews the outlook for these facilities, there may be a need to revise life span estimates in future studies. The life span and probable retirement dates used for steam production plants are as follows:

<u>Plant</u>	<u>In-Service Date</u>	<u>Probable Retirement Date</u>	<u>Life Span</u>
Meramac	1953,1954,1959,1961	2022	69,68,63,61
Sioux	1967,1968	2033	66,65
Labadie	1970,1971,1972,1973	2042	72,71,70,69
Rush Island	1976,1977	2045	69,68

Power plants typically are retired when there are other units that can generate electricity at a lower cost. Typical life spans for base load, coal-fired power plants are 50 to 65 years, although more have experienced shorter life spans in recent years. For example, Units 1 and 2 at Rush Island were completed in 1976 and 1977, respectively. The estimated probable retirement date for Rush Island is September 30, 2045. Thus, the

life spans estimated for the Rush Island power plant are 68 years for Unit 2 and 69 years for Unit 1, which is beyond the upper end of the typical range. The estimated retirement dates should not be interpreted as commitments to retire these plants on these dates, but rather, as reasonable estimates subject to modification in the future as circumstances dictate.

The life span for the Callaway Nuclear Power Plant is based on the length of the operating license as established by the Nuclear Regulatory Commission (NRC). The probable retirement date estimated for the Callaway Nuclear Plant is October 2044, 20 years subsequent to the expiration of the original operating license. The resulting life span estimated for Callaway is slightly less than 60 years since the units did not begin commercial operation until several months after the original operating license was issued.

For most production accounts, an interim survivor curve was estimated for each account, since interim retirements, i.e., retirements prior to the final retirement, are experienced in such accounts.

PART IV. NET SALVAGE CONSIDERATIONS

PART IV. NET SALVAGE CONSIDERATIONS

NET SALVAGE ANALYSIS

The estimates of net salvage by account were based in part on historical data compiled for the years 1961 through 2018. Cost of removal and salvage were expressed as percents of the original cost of plant retired, both on annual and three-year moving average bases. The most recent five-year average also was calculated for consideration. The net salvage estimates by account are expressed as a percent of the original cost of plant retired.

Net Salvage Considerations

The estimates of future net salvage are expressed as percentages of surviving plant in service, i.e., all future retirements. In cases in which removal costs are expected to exceed salvage receipts, a negative net salvage percentage is estimated. The net salvage estimates were based on judgment which incorporated analyses of historical cost of removal and salvage data, expectations with respect to future removal requirements and markets for retired equipment and materials.

The analyses of historical cost of removal and salvage data are presented in the section titled "Net Salvage Statistics" for the plant accounts for which the net salvage estimate relied partially on those analyses.

Statistical analyses of historical data for the period 1961 through 2018 contributed significantly toward the net salvage estimates for 36 plant accounts, representing 90 percent of the depreciable plant, as follows:

STEAM PRODUCTION PLANT

311.00	Structures and Improvements
312.00	Boiler Plant Equipment
314.00	Turbogenerator Units
315.00	Accessory Electric Equipment
316.00	Miscellaneous Power Plant Equipment

NUCLEAR PRODUCTION PLANT

321.00	Structures and Improvements
322.00	Reactor Plant Equipment
323.00	Turbogenerator Units
324.00	Accessory Electric Equipment
325.00	Miscellaneous Power Plant Equipment

HYDRAULIC PRODUCTION PLANT

331.00	Structures and Improvements
332.00	Reservoirs, Dams and Waterways
333.00	Water Wheels, Turbines and Generators
335.00	Miscellaneous Power Plant Equipment

OTHER PRODUCTION PLANT

341.00	Structures and Improvements
342.00	Fuel Holders, Producers and Accessories
344.00	Generators – Other CTs
345.00	Accessory Electric Equipment
346.00	Miscellaneous Power Plant Equipment

TRANSMISSION PLANT

352.00	Structures and Improvements
353.00	Station Equipment
354.00	Towers and Fixtures
356.00	Overhead Conductors and Devices

DISTRIBUTION PLANT

361.00	Structures and Improvements
362.00	Station Equipment
364.00	Poles and Fixtures
365.00	Overhead Conductors and Devices
367.00	Underground Conductors and Devices
368.00	Line Transformers
369.10	Overhead Services
369.20	Underground Services
370.00	Meters
371.00	Installations on Customers' Premises
373.00	Street Lighting and Signal Systems

GENERAL PLANT

392.00	Transportation Equipment
396.00	Power Operated Equipment

Account 365, Overhead Conductors and Devices will be used to illustrate the manner in which the study was conducted for most mass plant accounts. Net salvage data were compiled for the years 1961 through 2018. These data include the retirements,

cost of removal and gross salvage. Discussions with management indicated that retired overhead conductors are either reused or sold for scrap. However, there are typical costs to remove conductors that exceed any scrap value. The previous estimate of net salvage for overhead conductors was negative 50 percent. The range of typical net salvage estimates used by other electric companies for overhead conductors is negative 20 percent to negative 100 percent.

The net salvage estimate for this account is negative 50 percent and is based in part on the overall indicators and the trends in the cost of removal and salvage percents. Cost of removal as a percent of the original cost retired increased from the 1960's level of 40 percent to approximately 110 percent in the mid 2000's but has declined more recently to around 60 percent. In contrast, gross salvage has decreased from a level of 40 percent to approximately 15 percent in the 1990s, before moving back above 25 percent in the mid 2000's then declining most recently to around 5 percent. The 2003 to 2008 period was when scrap metal prices were at near record highs, a trend which has since moderated. The net salvage estimate of negative 50 percent is consistent with the overall net salvage percent of negative 52 percent experienced during the period 1961-2018. The most recent five year average for net salvage is also negative 52 percent.

The net salvage estimates for most of the remaining accounts were estimated using the above-described judgment process incorporating historical indications and reviewing the typical range of estimates used by other electric companies. The results of the net salvage analysis for each plant account are presented in account sequence beginning in the section titled "Net Salvage Statistics", page VIII-2.

The net salvage estimates for production plant are based on analyses of interim net salvage as it relates to interim retirements. Final or terminal net salvage amounts

related to decommissioning and dismantlement of existing electricity generating stations are not included in this study. The decision to exclude terminal net salvage was made by Ameren's management based on their desire to exclude this issue at this time. In prior cases, the Missouri Public Service Commission has ruled against the prospective recovery of final net salvage related to steam, hydraulic and other production, which defers the recovery of these costs to future customers. Final net salvage related to nuclear production is recovered in a separate nuclear decommissioning trust fund in accordance with NRC regulations.

Net salvage indications of interim net salvage as related to interim retirements were adjusted due to the fact that interim retirements only represent a portion of the total retirements experienced for each production plant account yet the net salvage estimate is applied to the entire plant balance. For example, if interim retirements are expected to comprise 24 percent of the total retirements experienced by Account 314 Turbogenerators at the Labadie Plant, then the historical net salvage indication of negative 10 percent would be adjusted 76 percent to negative 2 percent. The resulting net salvage estimates were adjusted using the interim survivor curve and probable retirement dates to reflect the percentage of plant in service that will experience interim retirements.

Generally, the net salvage estimates for the general plant amortization accounts were zero percent, consistent with amortization accounting.

**PART V. CALCULATION OF ANNUAL AND
ACCRUED DEPRECIATION**

PART V. CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION

GROUP DEPRECIATION PROCEDURES

A group procedure for depreciation is appropriate when considering more than a single item of property. Normally 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 and equal life group. In the average service life procedure, the rate of annual depreciation is based on the average life or average remaining 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 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.

Single Unit of Property

The calculation of straight line depreciation for a single unit of property is straightforward. For example, if a \$1,000 unit of property attains an age of four years and has a life expectancy of six years, the annual accrual over the total life is:

$$\frac{\$1,000}{(4 + 6)} = \$100 \text{ per year.}$$

The accrued depreciation is:

$$\$1,000 \left(1 - \frac{6}{10} \right) = \$400.$$

Remaining Life Annual Accruals

For the purpose of calculating remaining life accruals as of December 31, 2018, the depreciation reserve for each plant account is allocated among vintages in proportion to the calculated accrued depreciation for the account. Explanations of remaining life accruals and calculated accrued depreciation follow. The detailed calculations as of December 31, 2018, are set forth in the Results of Study section of the report.

Average Service Life Procedure

In the average service life procedure, the remaining life annual accrual for each vintage is determined by dividing future book accruals (original cost less book reserve) by the average remaining life of the vintage. The average remaining life is a directly weighted average derived from the estimated future survivor curve in accordance with the average service life procedure.

The calculated accrued depreciation for each depreciable property group represents that portion of the depreciable cost of the group which would not be allocated to expense through future depreciation accruals if current forecasts of life characteristics are used as the basis for such accruals. The accrued depreciation calculation consists of applying an appropriate ratio to the surviving original cost of each vintage of each account based upon the attained age and service life. The straight line accrued depreciation ratios are calculated as follows for the average service life procedure:

$$\text{Ratio} = 1 - \frac{\text{Average Remaining Life}}{\text{Average Service Life}}$$

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.

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.

Amortization accounting is proposed for a number of accounts that represent numerous units of property, but a very small portion of depreciable electric plant in service. The accounts and their amortization periods are as follows:

<u>ACCT</u>	<u>TITLE</u>	<u>AMORTIZATION PERIOD, YEARS</u>
316,	Miscellaneous Power Plant Equipment	
	Office Furniture	20
	Office Equipment	15
	Computers	5
325,	Miscellaneous Power Plant Equipment	
	Office Furniture	20
	Office Equipment	15
	Computers	5
335,	Miscellaneous Power Plant Equipment	
	Office Furniture	20
	Office Equipment	15
	Computers	5
346,	Miscellaneous Power Plant Equipment	

	Office Furniture	20
	Office Equipment	15
	Computers	5
390,	Structures and Improvements – Training Assets	5
391,	Office Furniture and Equipment	
	Furniture	20
	Personal Computers	5
	Equipment	15
392,	Transportation Equipment – Training Assets	5
393,	Stores Equipment	20
394,	Tools, Shop and Garage Equipment	20
394,	Tools, Shop and Garage Equipment – Training Assets	5
395,	Laboratory Equipment	20
397,	Communication Equipment	15
397,	Communication Equipment – Training Assets	5
398,	Miscellaneous Equipment	20

For the purpose of calculating annual amortization amounts as of December 31, 2018, 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.

PART VI. RESULTS OF STUDY

PART VI. 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 were calculated in accordance with the straight line remaining life method of depreciation, using the average service life procedure based on estimates which reflect considerations of current historical evidence and expected future conditions.

The annual depreciation accrual rates are applicable specifically to the electric plant in service as of December 31, 2018. For most plant accounts, the application of such rates to future balances that reflect additions subsequent to December 31, 2018, is reasonable for a period of three to five years.

DESCRIPTION OF DETAILED TABULATIONS

Table 1 is a summary of the results of the study as applied to the original cost of electric plant at December 31, 2018 presented on pages VI-4 through VI-7 of this report.

The service life estimates were based on judgment that incorporated statistical analysis of retirement data, discussions with management and consideration of estimates made for other electric utilities. The results of the statistical analysis of service life are presented in the section beginning on page VII-2, within the supporting documents of this report.

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 analyses of salvage data are presented in the section titled, "Net Salvage Statistics". The tabulations present annual cost of removal and salvage data, three-year moving averages and the most recent five-year average. Data are shown in dollars and as percentages of original costs retired.

The tables of the calculated annual depreciation applicable to depreciable assets as of December 31, 2018 are presented in account sequence starting on page IX-2 of the supporting documents. The tables indicate the estimated survivor curve and net salvage percent for the account and set forth, for each installation year, the original cost, the calculated accrued depreciation, the allocated book reserve, future accruals, the remaining life, and the calculated annual accrual amount.

AMEREN MISSOURI
ELECTRIC DIVISION

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

DEPRECIABLE PLANT	DEPRECIABLE GROUP (1)	PROBABLE RETIREMENT YEAR (2)	SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK DEPRECIATION RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL AMOUNT (8)	RATE (9)=(8)/(5)	COMPOSITE REMAINING LIFE (10)=(7)/(9)
DEPRECIABLE PLANT										
STEAM PRODUCTION PLANT										
311	MERAMEC STEAM PRODUCTION PLANT	09-2022	90-R1.5	*	49,694,023.86	38,429,334	11,264,690	3,025,081	6.09	3.7
312	STRUCTURES AND IMPROVEMENTS	09-2022	55-R0.5	(1)	449,450,037.25	314,483,961	139,460,577	37,890,857	8.43	3.7
314	BOILER PLANT EQUIPMENT	09-2022	60-S0.5	*	112,835,475.34	85,939,703	26,895,772	7,265,007	6.44	3.7
315	TURBOGENERATOR UNITS	09-2022	75-S0	*	57,843,695.38	39,417,989	18,425,806	4,957,509	8.57	3.7
316	ACCESSORY ELECTRIC EQUIPMENT	09-2022	40-L0	*	10,042,921.80	3,902,321	6,140,601	1,691,746	16.85	3.6
316.21	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE		20-SQ	0	478,958.17	221,470	257,488	26,948	5.63	9.6
316.22	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT		15-SQ	0	349,113.71	177,236	171,878	28,828	8.26	6.0
316.23	MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS		5-SQ	0	260,927.80	21,661	239,267	104,959	40.23	2.3
	TOTAL MERAMEC STEAM PRODUCTION PLANT				660,955,153.31	482,593,575	202,866,079	54,990,935		
311	SIoux STEAM PRODUCTION PLANT	09-2033	90-R1.5	*	57,644,417.18	27,148,740	31,072,121	2,156,663	3.74	14.4
312	STRUCTURES AND IMPROVEMENTS	09-2033	55-R0.5	(3)	959,178,604.38	383,351,769	604,602,194	43,831,427	4.57	13.8
314	BOILER PLANT EQUIPMENT	09-2033	60-S0.5	(1)	164,593,128.21	65,986,975	100,252,084	7,114,715	4.32	14.1
315	TURBOGENERATOR UNITS	09-2033	75-S0	(1)	127,824,988.28	40,291,485	88,811,763	6,234,898	4.88	14.2
316	ACCESSORY ELECTRIC EQUIPMENT	09-2033	40-L0	*	13,764,462.14	2,482,303	11,282,159	872,273	6.34	12.9
316.21	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE		20-SQ	0	1,153,501.58	244,615	908,887	60,812	5.27	14.9
316.22	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT		15-SQ	0	404,151.76	342,569	61,593	5,547	1.37	11.1
316.23	MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS		5-SQ	0	505,483.90	288,468	217,018	89,718	17.75	2.4
	TOTAL SIOUX STEAM PRODUCTION PLANT				1,325,068,747.33	520,136,972	837,207,819	60,366,053		
311	LABADIE STEAM PRODUCTION PLANT	09-2042	90-R1.5	(2)	129,958,084.20	42,259,673	90,297,573	3,944,458	3.04	22.9
312	STRUCTURES AND IMPROVEMENTS	09-2042	55-R0.5	(6)	1,019,643,582.02	354,096,680	726,725,517	34,566,137	3.39	21.0
312.03	BOILER PLANT EQUIPMENT		30-R2.5	25	78,356,568.00	54,520,806	4,246,620	308,927	0.39	13.7
314	TURBOGENERATOR UNITS	09-2042	60-S0.5	(2)	253,612,209.75	107,784,102	150,900,352	7,049,342	2.78	21.4
315	ACCESSORY ELECTRIC EQUIPMENT	09-2042	75-S0	(2)	117,531,789.25	49,590,782	70,291,643	3,176,608	2.70	22.1
316	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE	09-2042	40-L0	*	18,131,397.40	4,782,986	13,348,411	729,663	4.02	18.3
316.21	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE		20-SQ	0	685,482.01	239,393	446,089	37,480	5.47	11.9
316.22	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT		15-SQ	0	474,347.83	217,009	256,939	32,061	6.76	8.0
316.23	MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS		5-SQ	0	1,554,304.15	319,348	1,234,956	399,738	25.72	3.1
	TOTAL LABADIE STEAM PRODUCTION PLANT				1,619,947,764.61	613,811,179	1,057,748,100	50,244,414		
311	RUSH ISLAND STEAM PRODUCTION PLANT	09-2045	90-R1.5	(2)	97,508,417.20	36,605,064	62,853,522	2,488,101	2.52	25.6
312	STRUCTURES AND IMPROVEMENTS	09-2045	55-R0.5	(7)	544,885,856.65	203,384,684	379,643,183	16,372,487	3.00	23.2
314	BOILER PLANT EQUIPMENT	09-2045	60-S0.5	(3)	168,172,020.66	65,813,092	107,404,089	4,544,203	2.70	23.6
315	TURBOGENERATOR UNITS	09-2045	75-S0	(2)	56,059,486.15	23,877,111	33,303,565	1,354,192	2.42	24.6
316	ACCESSORY ELECTRIC EQUIPMENT	09-2045	40-L0	*	14,402,183.03	2,235,645	12,166,538	596,783	4.14	20.4
316.21	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE		20-SQ	0	548,414.59	258,921	289,494	30,877	5.63	9.4
316.22	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT		15-SQ	0	471,772.27	272,333	199,439	18,059	3.83	11.0
316.23	MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS		5-SQ	0	1,305,161.97	202,279	1,102,883	277,564	21.27	4.0
	TOTAL RUSH ISLAND STEAM PRODUCTION PLANT				863,353,312.52	332,649,129	596,962,713	25,662,276		
311	COMMON - ALL STEAM PLANTS	09-2042	90-R1.5	(2)	1,976,444.53	805,929	1,210,044	53,071	2.69	22.8
312	STRUCTURES AND IMPROVEMENTS	09-2042	55-R0.5	(6)	36,395,109.40	17,936,242	20,642,574	982,935	2.70	21.0
315	BOILER PLANT EQUIPMENT	09-2042	75-S0	(2)	3,129,974.57	1,318,122	1,874,452	85,277	2.72	22.0
316	ACCESSORY ELECTRIC EQUIPMENT	09-2042	40-L0	*	17,331.45	6,124	11,207	614	3.54	18.3
	TOTAL COMMON - ALL STEAM PLANTS				41,518,859.95	20,066,417	23,738,277	1,121,897		
	TOTAL STEAM PRODUCTION PLANT				4,550,843,837.72	1,969,257,212	2,718,512,988	192,375,575	4.23	

AMEREN MISSOURI
ELECTRIC DIVISION

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(8)/(6)	(10)=(7)/(8)
	DEPRECIABLE GROUP	PROBABLE RETIREMENT YEAR	SURVIVOR CURVE	NET SALVAGE PERCENT	ORIGINAL COST AS OF DECEMBER 31, 2018	BOOK DEPRECIATION RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL AMOUNT	RATE	COMPOSITE REMAINING LIFE
		YEAR	CURVE	PERCENT	DECEMBER 31, 2018	RESERVE	ACCRUALS	AMOUNT		(10)=(7)/(8)
	NUCLEAR PRODUCTION PLANT									
321	CALLAWAY NUCLEAR PRODUCTION PLANT									
322	STRUCTURES AND IMPROVEMENTS	10-2044	90-R2	*	966,505,826.74	610,816,910	365,353,975	14,857,503	1.54	24.6
323	REACTOR PLANT EQUIPMENT	10-2044	50-S0.5	(6)	1,308,617,665.49	554,452,543	832,682,182	38,569,913	2.95	21.6
324	TURBOGENERATOR UNITS	10-2044	50-S1	(4)	547,183,008.35	264,842,023	304,228,306	14,543,630	2.66	20.9
325	ACCESSORY ELECTRIC EQUIPMENT	10-2044	75-R2	(1)	276,478,609.90	141,537,331	137,706,065	5,668,304	2.05	24.3
325.21	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE	10-2044	35-L0.5	*	145,202,535.15	24,634,349	120,568,186	6,832,243	4.71	17.6
325.22	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT		20-SQ	0	7,784,413.99	3,059,115	4,725,299	417,291	5.36	11.3
325.23	MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS		15-SQ	0	4,374,774.29	2,018,762	2,356,012	331,844	7.59	7.1
			5-SQ	0	6,755,517.39	2,091,492	4,664,025	1,560,051	22.94	3.0
	TOTAL NUCLEAR PRODUCTION PLANT				3,262,902,351.30	1,603,452,525	1,772,284,050	82,770,779	2.54	
	HYDRAULIC PRODUCTION PLANT									
331	OSAGE HYDRAULIC PRODUCTION PLANT									
332	STRUCTURES AND IMPROVEMENTS	06-2047	125-R1	(2)	8,949,980.69	1,232,595	7,896,385	289,823	3.24	27.2
333	RESERVOIRS, DAMS AND WATERWAYS	06-2047	150-R2.5	(1)	86,430,152.49	19,086,541	68,207,913	2,419,627	2.80	28.2
334	WATER WHEELS, TURBINES, AND GENERATORS	06-2047	95-S0	(8)	63,276,660.61	20,634,254	47,704,539	1,769,377	2.80	27.0
335	ACCESSORY ELECTRIC EQUIPMENT	06-2047	65-R1	(1)	30,561,495.78	6,011,729	24,855,382	953,791	3.12	26.1
335.21	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE	06-2047	50-R0.5	0	2,910,935.56	(234,831)	3,145,767	131,069	4.50	24.0
335.22	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT		20-SQ	0	87,651.20	25,981	56,770	4,326	5.23	13.1
335.23	MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS		15-SQ	0	97,613.22	37,489	60,124	7,204	7.38	8.3
336	MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS	06-2047	5-SQ	0	865,748.48	107,984	757,764	186,205	21.51	4.1
			50-R0.5	0	77,445.03	124,170	(46,725)	0	-	-
	TOTAL OSAGE HYDRAULIC PRODUCTION PLANT				193,252,683.06	47,025,812	152,637,919	5,761,422		
	TAUM SAUK HYDRAULIC PRODUCTION PLANT									
331	STRUCTURES AND IMPROVEMENTS	06-2089	125-R1	(5)	22,210,082.40	4,330,384	18,990,203	301,909	1.36	62.9
332	RESERVOIRS, DAMS AND WATERWAYS	06-2089	150-R2.5	(3)	10,271,816.97	(6,633,668)	17,213,639	265,739	2.59	64.8
333	WATER WHEELS, TURBINES, AND GENERATORS	06-2089	95-S0	(26)	73,722,395.50	10,808,605	82,081,613	1,437,485	1.95	57.1
334	ACCESSORY ELECTRIC EQUIPMENT	06-2089	65-R1	(3)	13,146,538.53	1,741,961	11,798,974	239,861	1.82	49.2
335	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE	06-2089	50-R0.5	0	4,763,368.66	2,937	4,760,432	115,682	2.43	41.2
335.21	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT		20-SQ	0	139,273.14	33,658	105,615	7,118	5.11	14.8
335.22	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT		15-SQ	0	605,689.45	295,871	309,816	44,695	7.28	7.0
335.23	MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS	06-2089	5-SQ	0	330,425.22	262,981	67,444	39,565	11.97	1.7
336	MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS		50-R0.5	0	232,751.79	94,385	138,367	3,234	1.39	42.8
	TOTAL TAUM SAUK HYDRAULIC PRODUCTION PLANT				125,422,341.66	10,937,114	135,466,705	2,454,688		
	KEOKUK HYDRAULIC PRODUCTION PLANT									
331	STRUCTURES AND IMPROVEMENTS	06-2055	125-R1	(3)	8,808,412.49	2,142,658	6,930,007	201,246	2.28	34.4
332	RESERVOIRS, DAMS AND WATERWAYS	06-2055	150-R2.5	(1)	18,410,282.21	7,831,984	10,762,401	302,534	1.64	35.6
333	WATER WHEELS, TURBINES, AND GENERATORS	06-2055	95-S0	(10)	132,187,416.47	29,075,101	116,331,057	3,431,032	2.60	33.9
334	ACCESSORY ELECTRIC EQUIPMENT	06-2055	65-R1	(1)	19,861,915.64	3,501,249	16,559,286	520,484	3.04	31.8
335	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE	06-2055	50-R0.5	0	4,327,859.54	591,681	3,736,179	131,382	2.62	28.4
335.21	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT		20-SQ	0	77,136.03	45,964	31,172	4,200	5.44	7.4
335.22	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT		15-SQ	0	121,176.34	53,915	67,261	8,679	7.33	7.6
335.23	MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS	06-2055	5-SQ	0	86,696.95	31,598	55,099	32,748	37.79	1.7
336	MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS		50-R0.5	0	114,926.08	80,580	34,346	1,301	1.13	26.4
	TOTAL KEOKUK HYDRAULIC PRODUCTION PLANT				183,995,791.75	43,354,690	154,506,808	4,633,806		
	TOTAL HYDRAULIC PRODUCTION PLANT				502,670,806.47	101,317,616	442,610,832	12,849,916	2.56	

AMEREN MISSOURI
ELECTRIC DIVISION

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(8)/(6)	(10)=(7)/(8)
	DEPRECIABLE GROUP	PROBABLE RETIREMENT YEAR	SURVIVOR CURVE	NET SALVAGE PERCENT	ORIGINAL COST AS OF DECEMBER 31, 2018	BOOK DEPRECIATION RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL AMOUNT	RATE	COMPOSITE REMAINING LIFE
	OTHER PRODUCTION PLANT									
341	STRUCTURES AND IMPROVEMENTS		40-R3	(5)	49,364,452.72	19,039,271	32,793,404	1,188,780	2.41	27.6
342	FUEL HOLDERS, PRODUCERS AND ACCESSORIES		45-R3	(5)	48,668,825.00	18,170,505	32,931,761	1,000,112	2.05	32.9
344	GENERATORS									
	OTHER CTS		45-R4	(5)	1,000,351,749.75	561,600,934	488,768,403	16,598,907	1.66	29.4
	MARYLAND HEIGHTS LANDFILL CTG		8-S2.5	40	8,417,407.92	4,185,509	864,936	156,408	1.86	5.5
	SOLAR		20-S2.5	0	10,680,919.38	3,897,117	6,783,802	447,666	4.19	15.2
345	ACCESSORY ELECTRIC EQUIPMENT		40-R2.5	(5)	130,267,813.77	61,618,283	75,162,921	2,765,868	2.12	27.2
346	MISCELLANEOUS POWER PLANT EQUIPMENT		22-L2.5	0	7,864,056.30	4,113,135	3,750,921	259,528	3.30	14.5
346.21	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE		20-SQ	0	276,700.02	190,405	88,285	17,257	6.19	5.1
346.22	MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT		15-SQ	0	464,779.04	246,794	217,985	36,999	7.96	5.9
346.23	MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS		5-SQ	0	198,558.24	45,183	153,375	64,770	32.62	2.4
	TOTAL OTHER PRODUCTION PLANT				1,256,557,262.14	673,107,136	641,515,809	22,536,295	1.79	
	TOTAL PRODUCTION PLANT				9,672,974,257.63	4,347,134,489	5,574,923,673	310,532,565	3.24	
	TRANSMISSION PLANT									
352	STRUCTURES AND IMPROVEMENTS		65-R2.5	(5)	7,411,128.71	2,495,679	5,265,806	144,523	1.95	36.6
353	STATION EQUIPMENT		60-R2.5	(5)	376,631,139.40	91,119,170	306,443,526	6,427,929	1.70	47.7
354	TOWERS AND FIXTURES		70-R4	(40)	115,940,128.56	54,080,523	108,235,657	2,686,103	2.32	40.3
355	POLES AND FIXTURES		60-R3	(100)	427,934,972.93	123,163,034	732,706,912	14,514,666	3.39	50.3
356	OVERHEAD CONDUCTORS AND DEVICES		60-R4	(25)	287,214,596.30	97,652,982	261,165,663	6,047,577	2.11	43.2
359	ROADS AND TRAILS		70-R4	0	71,788.00	92,569	(20,801)	0	-	-
	TOTAL TRANSMISSION PLANT				1,217,203,753.90	368,803,777	1,413,816,763	29,820,800	2.45	
	DISTRIBUTION PLANT									
361	STRUCTURES AND IMPROVEMENTS		60-R2.5	(5)	17,567,343.40	6,312,603	12,133,108	325,010	1.85	37.3
362	STATION EQUIPMENT		60-R2.5	(10)	1,042,308,897.40	278,235,135	868,304,652	19,393,128	1.86	44.8
364	POLES AND FIXTURES		50-R2.5	(150)	1,150,500,360.14	988,081,739	1,888,169,161	52,217,766	4.54	36.2
366	OVERHEAD CONDUCTORS AND DEVICES		50-R1	(50)	1,298,765,660.19	475,419,909	1,472,714,181	38,608,948	2.97	38.1
366	UNDERGROUND CONDUIT		70-R3	(50)	494,642,755.45	113,440,654	628,523,479	11,285,332	2.28	55.6
367	UNDERGROUND CONDUCTORS AND DEVICES		57-R2	(40)	817,744,441.50	254,861,219	869,960,999	20,873,243	2.95	42.6
368	LINE TRANSFORMERS		42-R2.5	5	496,029,447.35	179,692,194	291,535,781	10,954,044	2.21	26.6
369.1	OVERHEAD SERVICES		47-R2.5	(200)	201,105,141.45	271,088,038	332,227,386	10,315,691	5.13	32.2
369.2	UNDERGROUND SERVICES		60-R3	(90)	171,673,045.18	130,302,444	195,876,342	4,767,527	2.78	41.1
370	METERS		28-S0.5	(5)	105,362,929.46	49,437,386	61,193,690	3,756,998	3.57	16.3
371	INSTALLATIONS ON CUSTOMERS' PREMISES		30-O1	0	164,613.18	169,282	(4,669)	0	-	-
373	STREET LIGHTING AND SIGNAL SYSTEMS		38-S0	(35)	160,637,119.43	81,030,207	135,829,904	4,746,128	2.95	28.6
	TOTAL DISTRIBUTION PLANT				5,956,491,754.13	2,828,090,210	6,776,464,014	177,253,815	2.98	
	GENERAL PLANT									
390	STRUCTURES AND IMPROVEMENTS		45-S0	(10)	4,317,432.45	3,646,872	1,102,304	123,309	2.86	8.9
	MISCELLANEOUS STRUCTURES - OLD LARGE STRUCTURES		50-R1.5	(10)	270,751,463.66	74,924,062	222,902,548	6,059,145	2.24	36.8
	TOTAL STRUCTURES AND IMPROVEMENTS				275,068,896.11	78,570,934	224,004,852	6,182,454	2.25	

AMEREN MISSOURI
ELECTRIC DIVISION

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

ACCOUNT	DEPRECIABLE GROUP (1)	PROBABLE RETIREMENT YEAR (2)	SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK DEPRECIATION RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL AMOUNT (8)	RATE (9)=(8)/(5)	COMPOSITE REMAINING LIFE (10)=(7)/(9)
390.05	STRUCTURES AND IMPROVEMENTS - TRAINING ASSETS		5-SQ	0	934,005.31	934,005	0	0	-	-
391	OFFICE FURNITURE AND EQUIPMENT - FURNITURE		20-SQ	0	37,970,790.76	14,370,204	23,600,567	1,796,114	4.73	13.1
391.2	OFFICE FURNITURE AND EQUIPMENT - PERSONAL COMPUTERS		5-SQ	0	47,268,538.05	21,294,184	25,974,354	9,500,063	20.10	2.7
391.3	OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT		15-SQ	0	3,515,735.09	1,878,517	1,637,218	212,341	6.04	7.7
392	TRANSPORTATION EQUIPMENT		11-R2	15	138,203,554.45	54,048,653	63,424,368	9,748,391	7.05	6.5
392.05	TRANSPORTATION EQUIPMENT - TRAINING ASSETS		5-SQ	0	159,840.86	159,841	0	0	-	-
393	STORES EQUIPMENT		20-SQ	0	4,122,717.39	1,627,863	2,494,854	206,087	5.00	12.1
394	TOOLS, SHOP, AND GARAGE EQUIPMENT		20-SQ	0	26,340,091.21	9,503,491	16,836,600	1,364,815	5.18	12.3
394.05	TOOLS, SHOP, AND GARAGE EQUIPMENT - TRAINING ASSETS		5-SQ	0	2,122,836.68	2,037,940	84,897	83,079	3.91	1.0
395	LABORATORY EQUIPMENT		20-SQ	0	6,850,005.49	2,987,724	3,862,281	344,995	5.04	11.2
396	POWER OPERATED EQUIPMENT		15-L2	15	14,756,088.15	3,851,143	8,691,515	925,558	6.27	9.4
397	COMMUNICATION EQUIPMENT		15-SQ	0	88,074,234.18	35,533,857	52,540,377	5,759,261	6.54	9.1
397.05	COMMUNICATION EQUIPMENT - TRAINING ASSETS		5-SQ	0	12,326.14	12,326	0	0	-	-
398	MISCELLANEOUS EQUIPMENT		20-SQ	0	1,564,890.98	513,460	1,051,431	77,891	4.98	13.5
	TOTAL GENERAL PLANT				646,964,530.85	227,324,142	424,203,334	36,201,049	5.60	
	TOTAL DEPRECIABLE ELECTRIC PLANT				17,393,634,296.51	7,771,352,618	14,189,407,784	553,808,229	3.18	
	ACCOUNTS NOT STUDIED									
302	FRANCHISES AND CONSENTS				78,131,749.09					
303	MISCELLANEOUS INTANGIBLE PLANT				219,933,568.12					
310	LAND AND LAND RIGHTS				15,538,963.18					
317	ARO - STEAM PRODUCTION				103,216,286.26	53,714,956				
320	LAND AND LAND RIGHTS				97,933,884.68	(19,805,399)				
326	ARO - NUCLEAR PRODUCTION				63,516,164.17					
330	LAND AND LAND RIGHTS				18,105,284.63					
340	LAND AND LAND RIGHTS				6,912,475.61					
350	LAND AND LAND RIGHTS				59,853,896.94					
360	LAND AND LAND RIGHTS				35,604,104.95	(1,083)				
373.1	ARO - DISTRIBUTION PLANT				(2,913,604.30)					
389	LAND AND LAND RIGHTS				13,626,253.29	(1,398)				
398.1	ARO - GENERAL PLANT				2,551,590.35	575,755				
	TOTAL ACCOUNTS NOT STUDIED				623,870,625.97	34,482,872				
	TOTAL ELECTRIC PLANT				18,017,504,922.48	7,805,835,489		553,808,229	3.07	

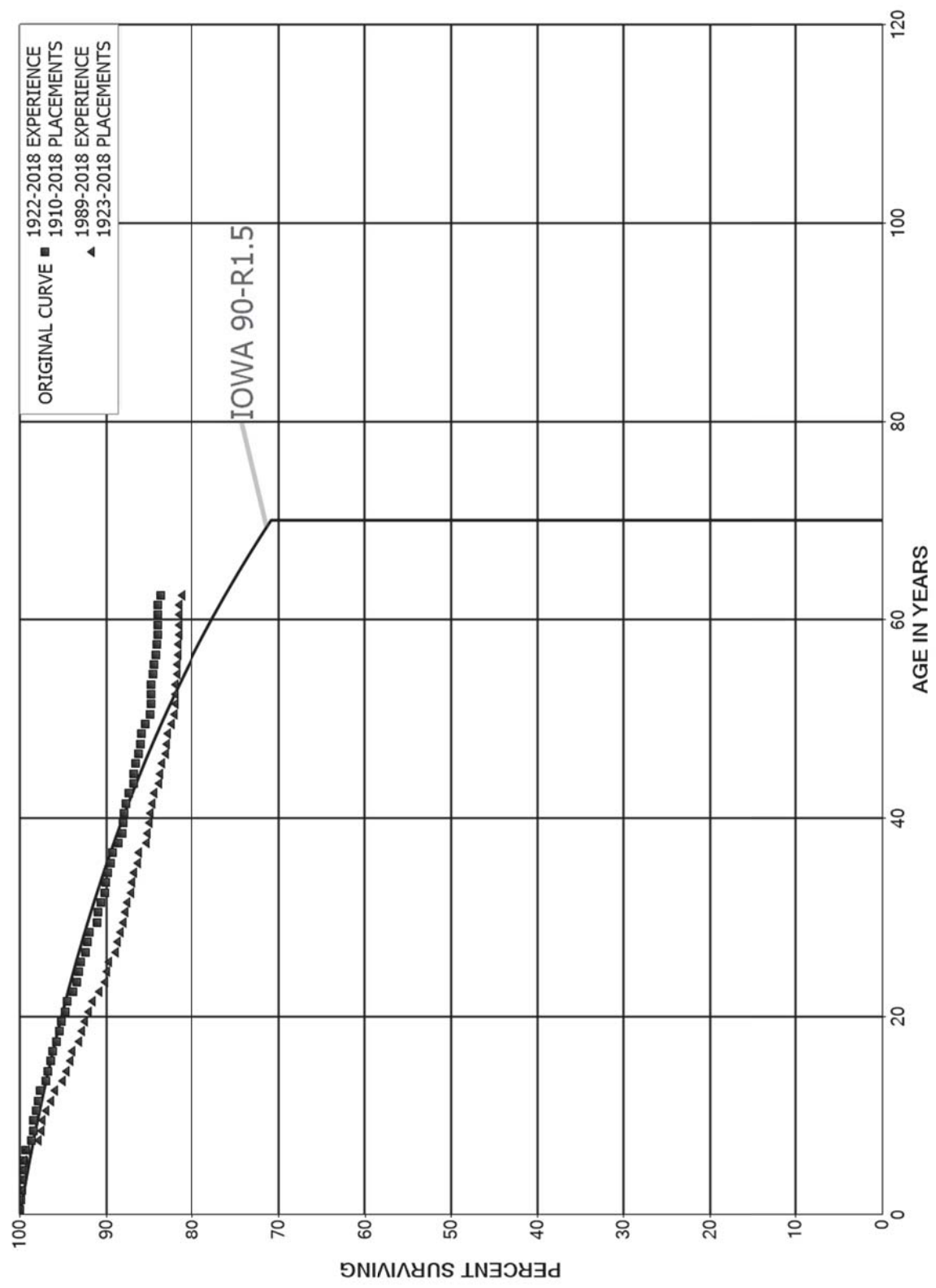
* CURVE SHOWN IS INTERIM SURVIVOR CURVE.

NOTE: NEW ADDITIONS FOR UTILITY SCALE WIND GENERATION, SOLAR GENERATION AND ENERGY STORAGE EQUIPMENT WILL HAVE THE FOLLOWING LIFE AND NET SALVAGE PARAMETERS AND DEPRECIATION RATES. WHEN PLACED IN SERVICE, WIND ASSETS WILL ALSO HAVE A 30-YEAR LIFE SPAN:

ACCOUNT	DESCRIPTION	INTERIM SURVIVOR CURVE	NET SALVAGE PERCENT	ACCRUAL RATE
341	STRUCTURES AND IMPROVEMENTS - WIND	70-R2.5	(5)	3.53
344	GENERATORS - WIND	45-R2	(5)	3.71
345	ACCESSORY ELECTRIC EQUIPMENT - WIND	40-R2.5	(5)	3.70
346	MISCELLANEOUS POWER PLANT EQUIPMENT - WIND	35-S2.5	(5)	3.70
341	STRUCTURES AND IMPROVEMENTS - SOLAR	20-R4	0	5.00
345	ACCESSORY ELECTRIC EQUIPMENT - SOLAR	20-S2.5	0	5.00
348	ENERGY STORAGE EQUIPMENT	10-L3	0	10.00
351	ENERGY STORAGE EQUIPMENT	10-L3	0	10.00
363	STORAGE BATTERY EQUIPMENT	10-L3	0	10.00

PART VII. SERVICE LIFE STATISTICS

AMEREN MISSOURI
 ACCOUNT 311 STRUCTURES AND IMPROVEMENTS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1910-2018

EXPERIENCE BAND 1922-2018

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	392,615,626	38,151	0.0001	0.9999	100.00
0.5	312,756,739	329,583	0.0011	0.9989	99.99
1.5	313,859,289	509,126	0.0016	0.9984	99.88
2.5	295,030,461	174,039	0.0006	0.9994	99.72
3.5	294,295,077	412,266	0.0014	0.9986	99.66
4.5	289,748,978	153,895	0.0005	0.9995	99.52
5.5	287,750,225	649,464	0.0023	0.9977	99.47
6.5	280,790,507	1,754,296	0.0062	0.9938	99.25
7.5	273,057,487	559,601	0.0020	0.9980	98.63
8.5	263,429,540	195,296	0.0007	0.9993	98.42
9.5	247,644,740	705,594	0.0028	0.9972	98.35
10.5	241,449,166	697,474	0.0029	0.9971	98.07
11.5	233,281,241	531,704	0.0023	0.9977	97.79
12.5	228,994,944	1,371,641	0.0060	0.9940	97.57
13.5	221,662,975	660,861	0.0030	0.9970	96.98
14.5	216,697,503	669,278	0.0031	0.9969	96.69
15.5	210,520,815	408,898	0.0019	0.9981	96.39
16.5	202,647,872	1,039,256	0.0051	0.9949	96.21
17.5	190,956,035	586,146	0.0031	0.9969	95.71
18.5	189,046,820	464,697	0.0025	0.9975	95.42
19.5	187,674,882	821,044	0.0044	0.9956	95.18
20.5	186,172,909	597,564	0.0032	0.9968	94.77
21.5	183,580,327	1,251,428	0.0068	0.9932	94.46
22.5	176,317,043	895,103	0.0051	0.9949	93.82
23.5	173,585,995	302,248	0.0017	0.9983	93.34
24.5	169,223,348	335,694	0.0020	0.9980	93.18
25.5	159,403,710	1,045,160	0.0066	0.9934	93.00
26.5	155,157,047	325,503	0.0021	0.9979	92.39
27.5	151,168,488	455,174	0.0030	0.9970	92.19
28.5	144,313,719	1,403,578	0.0097	0.9903	91.92
29.5	140,821,779	188,704	0.0013	0.9987	91.02
30.5	139,067,766	490,328	0.0035	0.9965	90.90
31.5	137,742,729	543,635	0.0039	0.9961	90.58
32.5	135,770,700	287,415	0.0021	0.9979	90.22
33.5	133,982,840	309,963	0.0023	0.9977	90.03
34.5	132,335,615	505,150	0.0038	0.9962	89.82
35.5	130,132,678	235,255	0.0018	0.9982	89.48
36.5	129,159,906	1,093,804	0.0085	0.9915	89.32
37.5	126,933,505	494,318	0.0039	0.9961	88.56
38.5	123,803,230	227,644	0.0018	0.9982	88.22

AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018			EXPERIENCE BAND 1922-2018		
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	123,283,129	200,588	0.0016	0.9984	88.05
40.5	122,376,097	248,371	0.0020	0.9980	87.91
41.5	113,410,725	464,959	0.0041	0.9959	87.73
42.5	84,038,335	472,101	0.0056	0.9944	87.37
43.5	83,642,483	83,409	0.0010	0.9990	86.88
44.5	83,493,379	186,066	0.0022	0.9978	86.79
45.5	78,249,188	321,347	0.0041	0.9959	86.60
46.5	71,280,429	144,525	0.0020	0.9980	86.25
47.5	66,049,539	89,290	0.0014	0.9986	86.07
48.5	55,972,199	299,337	0.0053	0.9947	85.95
49.5	55,191,345	349,447	0.0063	0.9937	85.49
50.5	50,777,558	52,390	0.0010	0.9990	84.95
51.5	43,958,505	12,598	0.0003	0.9997	84.87
52.5	41,344,597	10,902	0.0003	0.9997	84.84
53.5	35,978,610	67,089	0.0019	0.9981	84.82
54.5	29,487,210	72,861	0.0025	0.9975	84.66
55.5	27,846,219	56,991	0.0020	0.9980	84.45
56.5	26,550,274	40,233	0.0015	0.9985	84.28
57.5	21,787,462	17,467	0.0008	0.9992	84.15
58.5	21,679,181		0.0000	1.0000	84.08
59.5	15,786,473		0.0000	1.0000	84.08
60.5	12,871,995		0.0000	1.0000	84.08
61.5	9,690,594	41,277	0.0043	0.9957	84.08
62.5	9,032,602		0.0000	1.0000	83.73
63.5	670,055		0.0000	1.0000	83.73
64.5	667,381		0.0000	1.0000	83.73
65.5	627,315		0.0000	1.0000	83.73
66.5	610,173		0.0000	1.0000	83.73
67.5	610,173		0.0000	1.0000	83.73
68.5	610,173		0.0000	1.0000	83.73
69.5	610,173		0.0000	1.0000	83.73
70.5	610,173		0.0000	1.0000	83.73
71.5	610,173		0.0000	1.0000	83.73
72.5	610,173		0.0000	1.0000	83.73
73.5	610,173	610,173	1.0000		83.73
74.5					
75.5					
76.5					
77.5					
78.5	276		0.0000		
79.5					

AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018

EXPERIENCE BAND 1989-2018

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	233,688,658	0	0.0000	1.0000	100.00
0.5	155,590,059	307,388	0.0020	0.9980	100.00
1.5	158,040,483	374,595	0.0024	0.9976	99.80
2.5	140,602,665	80,473	0.0006	0.9994	99.57
3.5	141,177,092	60,502	0.0004	0.9996	99.51
4.5	138,034,836	42,886	0.0003	0.9997	99.47
5.5	137,504,839	537,445	0.0039	0.9961	99.44
6.5	131,927,037	1,704,227	0.0129	0.9871	99.05
7.5	125,524,326	444,165	0.0035	0.9965	97.77
8.5	118,927,986	103,754	0.0009	0.9991	97.42
9.5	103,551,928	578,955	0.0056	0.9944	97.34
10.5	97,865,961	467,838	0.0048	0.9952	96.79
11.5	99,049,734	492,567	0.0050	0.9950	96.33
12.5	133,915,189	1,278,712	0.0095	0.9905	95.85
13.5	126,752,971	564,589	0.0045	0.9955	94.94
14.5	122,100,305	579,815	0.0047	0.9953	94.51
15.5	122,073,511	237,617	0.0019	0.9981	94.06
16.5	121,942,641	990,313	0.0081	0.9919	93.88
17.5	116,248,852	455,332	0.0039	0.9961	93.12
18.5	126,244,702	450,507	0.0036	0.9964	92.75
19.5	124,962,110	631,438	0.0051	0.9949	92.42
20.5	127,907,432	571,240	0.0045	0.9955	91.96
21.5	131,735,955	1,207,082	0.0092	0.9908	91.54
22.5	124,540,963	851,341	0.0068	0.9932	90.71
23.5	121,958,818	294,388	0.0024	0.9976	90.09
24.5	117,714,308	303,973	0.0026	0.9974	89.87
25.5	107,987,163	976,964	0.0090	0.9910	89.64
26.5	103,871,368	279,650	0.0027	0.9973	88.83
27.5	105,028,478	381,169	0.0036	0.9964	88.59
28.5	98,561,083	415,247	0.0042	0.9958	88.26
29.5	101,400,188	171,593	0.0017	0.9983	87.89
30.5	99,695,772	322,777	0.0032	0.9968	87.74
31.5	98,600,373	444,355	0.0045	0.9955	87.46
32.5	96,746,701	172,924	0.0018	0.9982	87.07
33.5	103,690,553	275,929	0.0027	0.9973	86.91
34.5	102,144,043	464,774	0.0046	0.9954	86.68
35.5	100,272,884	117,115	0.0012	0.9988	86.28
36.5	99,485,653	1,003,089	0.0101	0.9899	86.18
37.5	97,593,814	153,808	0.0016	0.9984	85.31
38.5	95,951,534	226,237	0.0024	0.9976	85.18

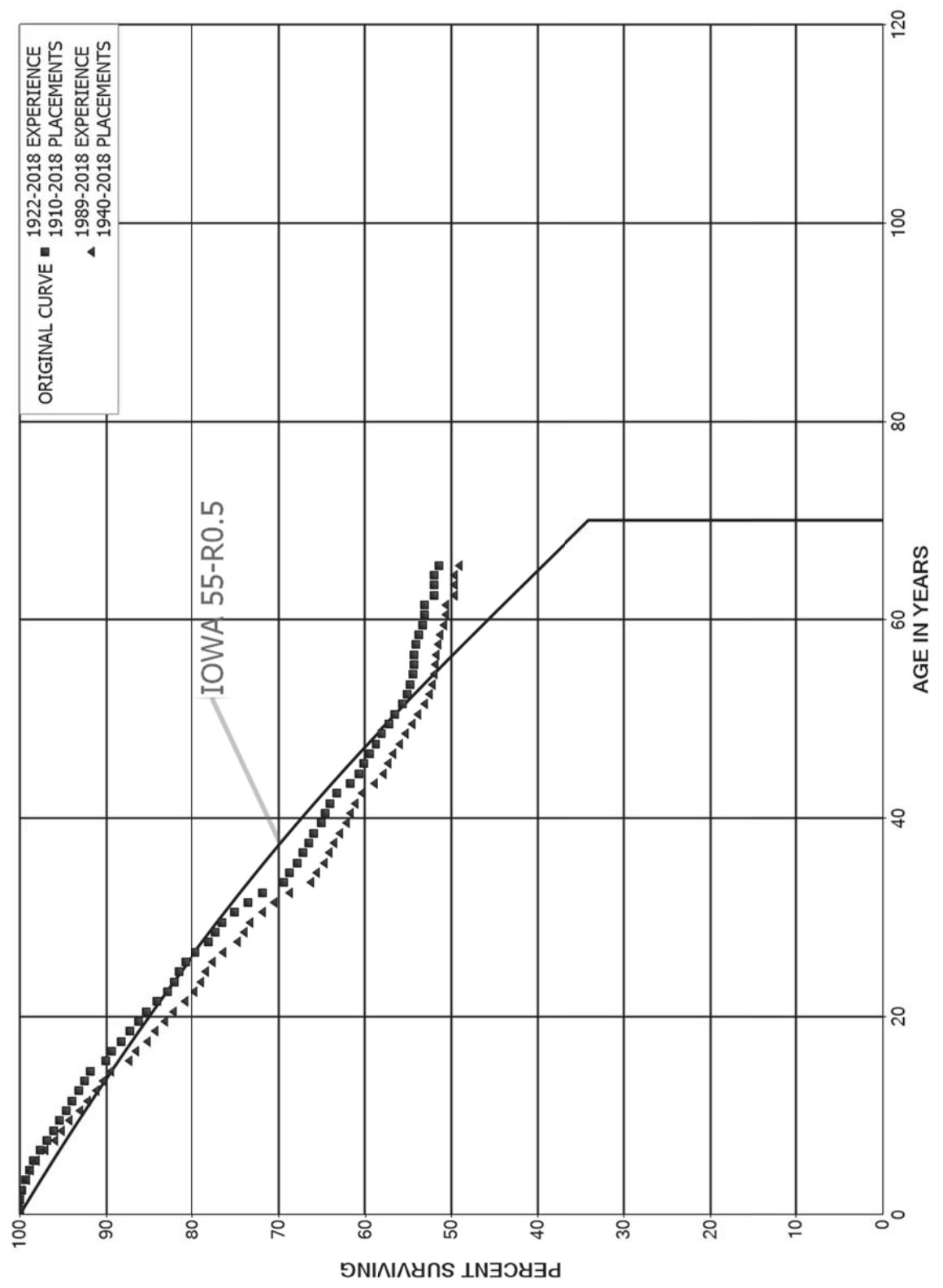
AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1989-2018		
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	99,559,137	192,943	0.0019	0.9981	84.98
40.5	102,034,911	244,670	0.0024	0.9976	84.81
41.5	95,126,705	290,918	0.0031	0.9969	84.61
42.5	67,110,643	443,348	0.0066	0.9934	84.35
43.5	66,916,700	63,054	0.0009	0.9991	83.80
44.5	66,910,847	136,647	0.0020	0.9980	83.72
45.5	62,510,520	321,199	0.0051	0.9949	83.55
46.5	58,308,448	85,084	0.0015	0.9985	83.12
47.5	56,660,627	88,655	0.0016	0.9984	82.99
48.5	47,729,910	272,252	0.0057	0.9943	82.86
49.5	47,364,756	190,304	0.0040	0.9960	82.39
50.5	43,110,861	52,276	0.0012	0.9988	82.06
51.5	37,092,478	11,906	0.0003	0.9997	81.96
52.5	35,396,604	9,626	0.0003	0.9997	81.94
53.5	31,584,352	62,096	0.0020	0.9980	81.91
54.5	28,760,030	18,869	0.0007	0.9993	81.75
55.5	27,173,031	21,289	0.0008	0.9992	81.70
56.5	25,912,788	12,920	0.0005	0.9995	81.63
57.5	21,177,289	17,467	0.0008	0.9992	81.59
58.5	21,069,008		0.0000	1.0000	81.53
59.5	15,176,300		0.0000	1.0000	81.53
60.5	12,261,822		0.0000	1.0000	81.53
61.5	9,080,421	41,277	0.0045	0.9955	81.53
62.5	8,422,429		0.0000	1.0000	81.16
63.5	81,066		0.0000	1.0000	81.16
64.5	78,392		0.0000	1.0000	81.16
65.5	38,326		0.0000	1.0000	81.16
66.5	21,184		0.0000	1.0000	81.16
67.5	21,184		0.0000	1.0000	81.16
68.5	21,184		0.0000	1.0000	81.16
69.5	21,184		0.0000	1.0000	81.16
70.5	21,184		0.0000	1.0000	81.16
71.5	21,184		0.0000	1.0000	81.16
72.5	21,184		0.0000	1.0000	81.16
73.5	21,184	21,184	1.0000		81.16
74.5					
75.5					
76.5					
77.5					
78.5	276		0.0000		
79.5					

AMEREN MISSOURI
 ACCOUNT 312 BOILER PLANT EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1910-2018

EXPERIENCE BAND 1922-2018

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	3,706,915,564	64,419	0.0000	1.0000	100.00
0.5	3,511,882,813	1,976,241	0.0006	0.9994	100.00
1.5	3,463,688,299	7,445,013	0.0021	0.9979	99.94
2.5	3,219,917,335	15,754,373	0.0049	0.9951	99.73
3.5	3,161,594,284	11,894,812	0.0038	0.9962	99.24
4.5	2,883,127,465	13,936,687	0.0048	0.9952	98.87
5.5	2,831,418,238	22,925,471	0.0081	0.9919	98.39
6.5	2,714,712,571	21,538,203	0.0079	0.9921	97.59
7.5	2,680,637,727	19,449,260	0.0073	0.9927	96.82
8.5	2,115,956,808	14,818,562	0.0070	0.9930	96.11
9.5	2,077,963,579	18,467,717	0.0089	0.9911	95.44
10.5	2,004,105,161	14,659,815	0.0073	0.9927	94.59
11.5	1,911,926,145	14,382,413	0.0075	0.9925	93.90
12.5	1,839,615,905	13,701,543	0.0074	0.9926	93.19
13.5	1,779,967,327	13,572,247	0.0076	0.9924	92.50
14.5	1,668,056,658	30,897,737	0.0185	0.9815	91.80
15.5	1,565,486,736	12,056,093	0.0077	0.9923	90.10
16.5	1,417,405,432	18,461,454	0.0130	0.9870	89.40
17.5	1,272,964,125	13,287,779	0.0104	0.9896	88.24
18.5	1,233,113,327	14,058,537	0.0114	0.9886	87.32
19.5	1,183,683,165	12,890,695	0.0109	0.9891	86.32
20.5	1,165,556,866	16,991,097	0.0146	0.9854	85.38
21.5	1,112,519,078	16,346,154	0.0147	0.9853	84.14
22.5	981,788,574	8,154,723	0.0083	0.9917	82.90
23.5	923,140,196	6,720,891	0.0073	0.9927	82.21
24.5	872,784,228	8,698,958	0.0100	0.9900	81.61
25.5	833,277,170	11,867,565	0.0142	0.9858	80.80
26.5	806,674,079	16,270,909	0.0202	0.9798	79.65
27.5	784,677,747	7,667,795	0.0098	0.9902	78.04
28.5	765,473,953	7,636,789	0.0100	0.9900	77.28
29.5	755,469,159	13,821,462	0.0183	0.9817	76.51
30.5	741,023,024	15,324,668	0.0207	0.9793	75.11
31.5	723,243,126	17,240,296	0.0238	0.9762	73.56
32.5	692,087,465	23,601,060	0.0341	0.9659	71.80
33.5	666,664,374	6,299,251	0.0094	0.9906	69.35
34.5	658,127,689	8,540,975	0.0130	0.9870	68.70
35.5	597,180,992	5,998,668	0.0100	0.9900	67.81
36.5	571,947,102	4,950,511	0.0087	0.9913	67.13
37.5	522,358,939	5,017,191	0.0096	0.9904	66.54
38.5	513,606,353	6,140,163	0.0120	0.9880	65.91

AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018			EXPERIENCE BAND 1922-2018		
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	504,633,190	3,486,983	0.0069	0.9931	65.12
40.5	500,408,193	4,816,742	0.0096	0.9904	64.67
41.5	429,798,231	5,054,996	0.0118	0.9882	64.04
42.5	327,447,483	7,991,135	0.0244	0.9756	63.29
43.5	318,121,317	5,332,536	0.0168	0.9832	61.75
44.5	312,164,157	3,019,949	0.0097	0.9903	60.71
45.5	253,267,269	2,643,307	0.0104	0.9896	60.12
46.5	193,737,866	2,573,000	0.0133	0.9867	59.50
47.5	151,456,116	1,778,428	0.0117	0.9883	58.71
48.5	104,380,913	1,484,553	0.0142	0.9858	58.02
49.5	102,346,302	1,304,522	0.0127	0.9873	57.19
50.5	84,356,215	1,230,034	0.0146	0.9854	56.46
51.5	62,167,764	611,020	0.0098	0.9902	55.64
52.5	57,944,232	377,916	0.0065	0.9935	55.09
53.5	53,289,511	305,247	0.0057	0.9943	54.73
54.5	51,143,855	91,703	0.0018	0.9982	54.42
55.5	50,885,605	47,410	0.0009	0.9991	54.32
56.5	49,766,536	238,484	0.0048	0.9952	54.27
57.5	32,327,001	142,244	0.0044	0.9956	54.01
58.5	31,480,191	297,497	0.0095	0.9905	53.77
59.5	14,005,124	52,606	0.0038	0.9962	53.27
60.5	12,478,599	13,162	0.0011	0.9989	53.07
61.5	12,594,181	246,737	0.0196	0.9804	53.01
62.5	11,801,679	4,946	0.0004	0.9996	51.97
63.5	11,158,877		0.0000	1.0000	51.95
64.5	5,738,157	59,113	0.0103	0.9897	51.95
65.5					51.41

AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1940-2018

EXPERIENCE BAND 1989-2018

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	2,807,524,593	392	0.0000	1.0000	100.00
0.5	2,615,556,082	1,836,508	0.0007	0.9993	100.00
1.5	2,572,187,766	5,560,374	0.0022	0.9978	99.93
2.5	2,347,229,063	15,502,591	0.0066	0.9934	99.71
3.5	2,294,835,726	10,630,989	0.0046	0.9954	99.06
4.5	2,022,466,411	12,992,268	0.0064	0.9936	98.60
5.5	2,034,898,104	21,524,339	0.0106	0.9894	97.96
6.5	1,961,598,664	21,076,039	0.0107	0.9893	96.93
7.5	1,982,581,821	17,863,394	0.0090	0.9910	95.89
8.5	1,428,611,426	13,379,972	0.0094	0.9906	95.02
9.5	1,397,670,015	17,216,422	0.0123	0.9877	94.13
10.5	1,328,693,627	13,403,983	0.0101	0.9899	92.97
11.5	1,334,778,136	13,457,168	0.0101	0.9899	92.03
12.5	1,382,782,455	13,049,527	0.0094	0.9906	91.11
13.5	1,325,166,403	13,267,080	0.0100	0.9900	90.25
14.5	1,214,489,593	28,387,812	0.0234	0.9766	89.34
15.5	1,191,968,647	10,583,921	0.0089	0.9911	87.25
16.5	1,120,040,188	17,174,450	0.0153	0.9847	86.48
17.5	1,033,657,505	11,158,365	0.0108	0.9892	85.15
18.5	1,060,645,929	13,628,024	0.0128	0.9872	84.23
19.5	1,014,675,103	11,830,586	0.0117	0.9883	83.15
20.5	1,028,220,645	16,462,628	0.0160	0.9840	82.18
21.5	1,010,907,487	15,914,446	0.0157	0.9843	80.87
22.5	880,784,335	8,043,013	0.0091	0.9909	79.59
23.5	822,729,032	6,154,754	0.0075	0.9925	78.87
24.5	774,200,223	8,079,303	0.0104	0.9896	78.28
25.5	735,635,685	11,528,395	0.0157	0.9843	77.46
26.5	710,562,832	15,689,948	0.0221	0.9779	76.25
27.5	718,898,132	6,896,129	0.0096	0.9904	74.56
28.5	700,628,876	6,655,331	0.0095	0.9905	73.85
29.5	708,647,492	13,691,945	0.0193	0.9807	73.15
30.5	694,759,331	13,470,278	0.0194	0.9806	71.73
31.5	679,065,570	16,854,530	0.0248	0.9752	70.34
32.5	648,419,043	23,238,739	0.0358	0.9642	68.60
33.5	624,160,368	5,663,322	0.0091	0.9909	66.14
34.5	624,204,691	8,279,387	0.0133	0.9867	65.54
35.5	573,672,438	5,605,471	0.0098	0.9902	64.67
36.5	548,934,582	4,691,423	0.0085	0.9915	64.04
37.5	500,567,972	5,017,191	0.0100	0.9900	63.49
38.5	495,162,549	6,136,797	0.0124	0.9876	62.85

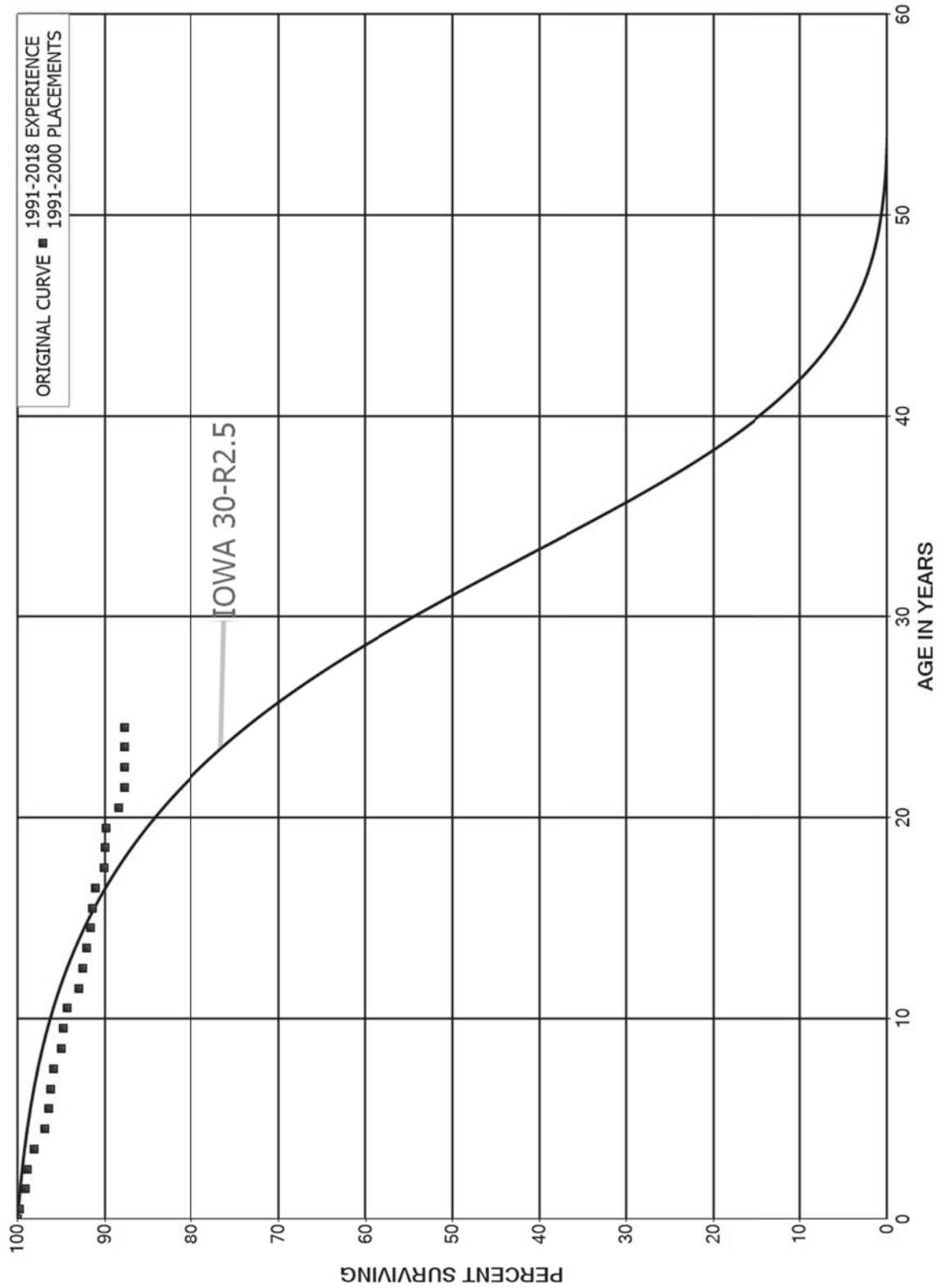
AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1940-2018			EXPERIENCE BAND 1989-2018		
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	491,232,310	3,466,006	0.0071	0.9929	62.07
40.5	488,052,749	4,806,405	0.0098	0.9902	61.64
41.5	419,231,228	4,989,009	0.0119	0.9881	61.03
42.5	317,612,068	7,990,387	0.0252	0.9748	60.30
43.5	308,305,466	5,299,760	0.0172	0.9828	58.79
44.5	302,661,476	2,929,167	0.0097	0.9903	57.77
45.5	244,827,780	2,640,288	0.0108	0.9892	57.22
46.5	187,626,490	2,560,399	0.0136	0.9864	56.60
47.5	147,655,074	1,769,978	0.0120	0.9880	55.83
48.5	101,781,891	1,440,228	0.0142	0.9858	55.16
49.5	99,791,605	1,106,200	0.0111	0.9889	54.38
50.5	82,290,517	1,215,334	0.0148	0.9852	53.77
51.5	60,555,906	611,020	0.0101	0.9899	52.98
52.5	57,193,744	377,916	0.0066	0.9934	52.45
53.5	53,187,117	305,247	0.0057	0.9943	52.10
54.5	51,041,461	91,703	0.0018	0.9982	51.80
55.5	50,783,211	47,410	0.0009	0.9991	51.71
56.5	49,664,142	238,484	0.0048	0.9952	51.66
57.5	32,310,808	142,244	0.0044	0.9956	51.41
58.5	31,463,998	297,497	0.0095	0.9905	51.18
59.5	13,988,931	52,606	0.0038	0.9962	50.70
60.5	12,462,406	11,262	0.0009	0.9991	50.51
61.5	12,579,888	246,737	0.0196	0.9804	50.46
62.5	11,787,386	4,946	0.0004	0.9996	49.47
63.5	11,158,877		0.0000	1.0000	49.45
64.5	5,738,157	59,113	0.0103	0.9897	49.45
65.5					48.94

AMEREN MISSOURI
 ACCOUNT 312.03 BOILER PLANT EQUIPMENT - ALUMINUM COAL CARS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



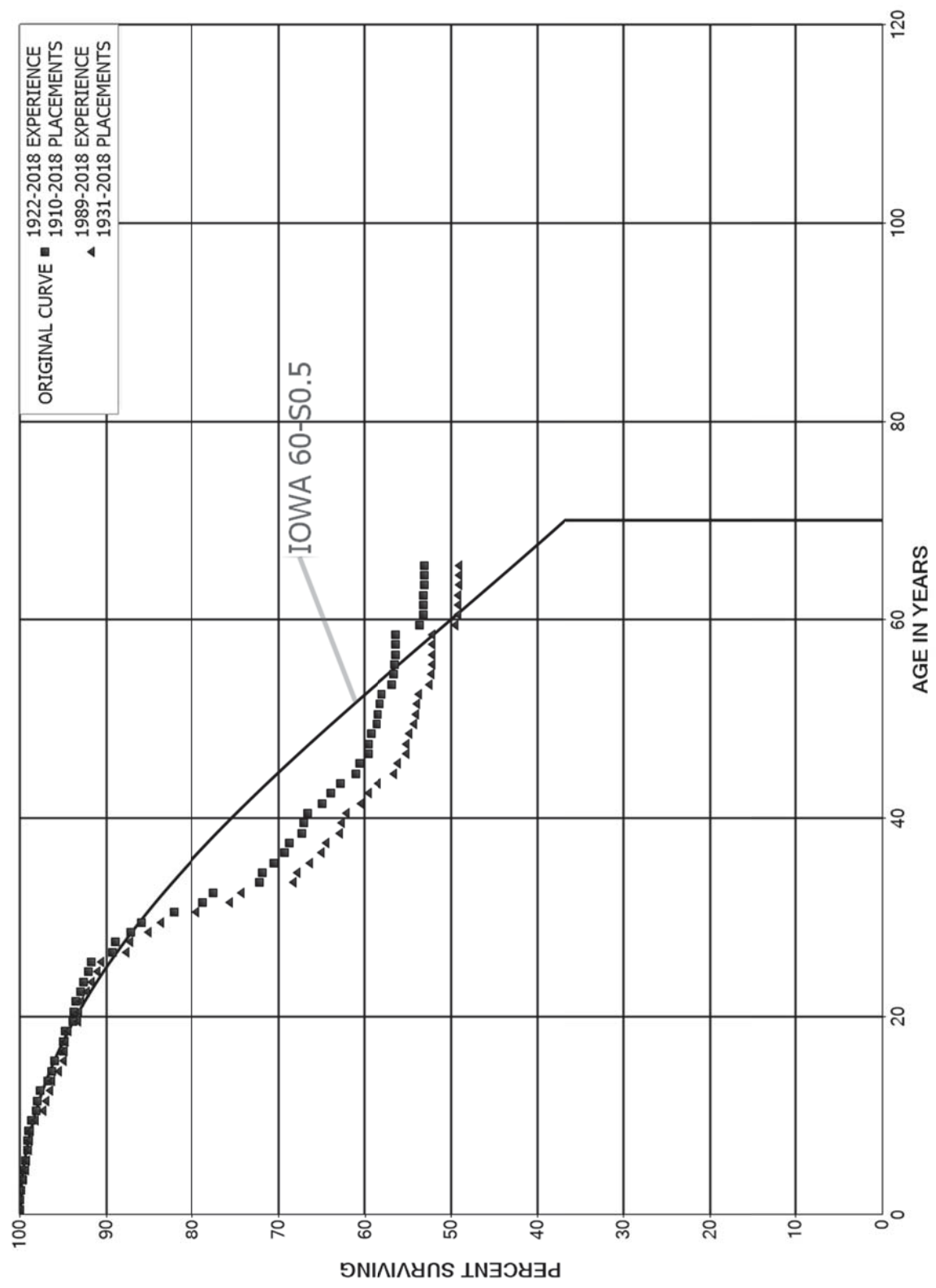
AMEREN MISSOURI

ACCOUNT 312.03 BOILER PLANT EQUIPMENT - ALUMINUM COAL CARS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1991-2000			EXPERIENCE BAND 1991-2018		
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	126,171,499	346,242	0.0027	0.9973	100.00
0.5	125,825,257	895,117	0.0071	0.9929	99.73
1.5	124,930,140	178,445	0.0014	0.9986	99.02
2.5	124,751,695	1,068,112	0.0086	0.9914	98.87
3.5	123,683,583	1,497,150	0.0121	0.9879	98.03
4.5	122,186,433	525,366	0.0043	0.9957	96.84
5.5	121,661,066	363,795	0.0030	0.9970	96.43
6.5	121,297,271	321,204	0.0026	0.9974	96.14
7.5	120,976,068	1,185,274	0.0098	0.9902	95.88
8.5	119,790,794	311,406	0.0026	0.9974	94.94
9.5	119,355,157	482,077	0.0040	0.9960	94.70
10.5	118,873,079	1,758,509	0.0148	0.9852	94.31
11.5	117,114,570	512,981	0.0044	0.9956	92.92
12.5	116,540,182	629,750	0.0054	0.9946	92.51
13.5	115,845,960	472,218	0.0041	0.9959	92.01
14.5	115,314,528	314,471	0.0027	0.9973	91.64
15.5	115,000,057	451,228	0.0039	0.9961	91.39
16.5	114,435,661	1,179,176	0.0103	0.9897	91.03
17.5	113,256,486	168,309	0.0015	0.9985	90.09
18.5	56,875,816	104,494	0.0018	0.9982	89.96
19.5	50,378,462	787,835	0.0156	0.9844	89.79
20.5	49,590,627	392,721	0.0079	0.9921	88.39
21.5	34,889,289		0.0000	1.0000	87.69
22.5	27,990,805		0.0000	1.0000	87.69
23.5	15,674,127		0.0000	1.0000	87.69
24.5					87.69

AMEREN MISSOURI
 ACCOUNT 314 TURBOGENERATOR UNITS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 314 TURBOGENERATOR UNITS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1910-2018

EXPERIENCE BAND 1922-2018

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	857,174,518	207,333	0.0002	0.9998	100.00
0.5	851,193,713	250,605	0.0003	0.9997	99.98
1.5	859,676,919	653,811	0.0008	0.9992	99.95
2.5	818,279,005	2,248,406	0.0027	0.9973	99.87
3.5	823,697,368	1,621,681	0.0020	0.9980	99.60
4.5	817,183,762	732,499	0.0009	0.9991	99.40
5.5	791,248,741	1,536,967	0.0019	0.9981	99.31
6.5	724,506,374	402,662	0.0006	0.9994	99.12
7.5	684,500,924	561,723	0.0008	0.9992	99.06
8.5	635,540,591	2,022,291	0.0032	0.9968	98.98
9.5	629,790,771	3,588,370	0.0057	0.9943	98.67
10.5	591,887,494	1,153,577	0.0019	0.9981	98.10
11.5	584,536,488	1,644,321	0.0028	0.9972	97.91
12.5	576,999,938	5,080,823	0.0088	0.9912	97.64
13.5	520,869,543	2,659,288	0.0051	0.9949	96.78
14.5	482,092,436	1,873,985	0.0039	0.9961	96.28
15.5	432,465,672	4,291,119	0.0099	0.9901	95.91
16.5	387,267,697	167,358	0.0004	0.9996	94.96
17.5	358,579,352	842,375	0.0023	0.9977	94.92
18.5	347,537,928	3,237,955	0.0093	0.9907	94.69
19.5	313,930,801	160,908	0.0005	0.9995	93.81
20.5	311,892,420	816,972	0.0026	0.9974	93.76
21.5	306,665,577	1,709,508	0.0056	0.9944	93.52
22.5	303,250,144	1,328,833	0.0044	0.9956	93.00
23.5	296,427,349	1,641,888	0.0055	0.9945	92.59
24.5	286,613,627	1,167,883	0.0041	0.9959	92.08
25.5	284,453,062	7,511,095	0.0264	0.9736	91.70
26.5	276,025,649	938,538	0.0034	0.9966	89.28
27.5	272,973,296	5,397,307	0.0198	0.9802	88.98
28.5	266,350,739	4,003,874	0.0150	0.9850	87.22
29.5	262,056,244	11,431,403	0.0436	0.9564	85.91
30.5	250,210,625	10,454,558	0.0418	0.9582	82.16
31.5	239,194,365	3,657,235	0.0153	0.9847	78.73
32.5	235,379,273	16,100,538	0.0684	0.9316	77.52
33.5	218,873,313	1,150,323	0.0053	0.9947	72.22
34.5	209,428,418	3,807,274	0.0182	0.9818	71.84
35.5	205,604,179	3,728,046	0.0181	0.9819	70.53
36.5	201,548,639	1,468,991	0.0073	0.9927	69.25
37.5	200,064,176	4,182,515	0.0209	0.9791	68.75
38.5	195,808,132	581,311	0.0030	0.9970	67.31

AMEREN MISSOURI

ACCOUNT 314 TURBOGENERATOR UNITS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018			EXPERIENCE BAND 1922-2018		
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	191,615,865	1,521,517	0.0079	0.9921	67.11
40.5	190,024,426	4,731,092	0.0249	0.9751	66.58
41.5	169,835,231	2,430,381	0.0143	0.9857	64.92
42.5	134,238,462	2,361,755	0.0176	0.9824	63.99
43.5	131,859,023	3,874,873	0.0294	0.9706	62.87
44.5	127,407,991	817,259	0.0064	0.9936	61.02
45.5	113,400,594	1,882,111	0.0166	0.9834	60.63
46.5	93,886,877	31,405	0.0003	0.9997	59.62
47.5	84,697,007	484,745	0.0057	0.9943	59.60
48.5	69,193,446	741,070	0.0107	0.9893	59.26
49.5	68,289,425	168,347	0.0025	0.9975	58.63
50.5	59,345,223	148,840	0.0025	0.9975	58.48
51.5	51,084,367	211,126	0.0041	0.9959	58.34
52.5	46,281,168	1,024,684	0.0221	0.9779	58.09
53.5	43,057,183	179,634	0.0042	0.9958	56.81
54.5	40,746,348	50,669	0.0012	0.9988	56.57
55.5	37,630,413	61,957	0.0016	0.9984	56.50
56.5	37,043,083	888	0.0000	1.0000	56.41
57.5	26,243,515		0.0000	1.0000	56.41
58.5	16,298,092	816,741	0.0501	0.9499	56.41
59.5	12,824,410	92,266	0.0072	0.9928	53.58
60.5	12,894,500	11,853	0.0009	0.9991	53.19
61.5	11,423,517		0.0000	1.0000	53.15
62.5	11,423,517	7,703	0.0007	0.9993	53.15
63.5	11,380,654		0.0000	1.0000	53.11
64.5	7,056,116		0.0000	1.0000	53.11
65.5	295,550		0.0000	1.0000	53.11
66.5	295,550		0.0000	1.0000	53.11
67.5	295,550		0.0000	1.0000	53.11
68.5	295,550		0.0000	1.0000	53.11
69.5	295,550		0.0000	1.0000	53.11
70.5	295,550		0.0000	1.0000	53.11
71.5					53.11

AMEREN MISSOURI

ACCOUNT 314 TURBOGENERATOR UNITS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1931-2018

EXPERIENCE BAND 1989-2018

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	555,692,059		0.0000	1.0000	100.00
0.5	550,330,199	237,363	0.0004	0.9996	100.00
1.5	559,410,484	394,515	0.0007	0.9993	99.96
2.5	520,850,688	2,175,354	0.0042	0.9958	99.89
3.5	527,196,088	1,468,959	0.0028	0.9972	99.47
4.5	533,808,018	668,813	0.0013	0.9987	99.19
5.5	509,794,532	1,278,760	0.0025	0.9975	99.07
6.5	443,897,461	297,869	0.0007	0.9993	98.82
7.5	404,437,508	561,150	0.0014	0.9986	98.75
8.5	365,668,608	2,018,386	0.0055	0.9945	98.62
9.5	362,356,019	3,285,424	0.0091	0.9909	98.07
10.5	324,800,790	1,141,950	0.0035	0.9965	97.18
11.5	347,822,536	1,610,842	0.0046	0.9954	96.84
12.5	387,743,004	1,019,530	0.0026	0.9974	96.39
13.5	335,677,258	2,616,330	0.0078	0.9922	96.14
14.5	296,943,109	1,796,822	0.0061	0.9939	95.39
15.5	270,956,309	364,159	0.0013	0.9987	94.81
16.5	257,218,762	162,193	0.0006	0.9994	94.68
17.5	244,680,458	810,057	0.0033	0.9967	94.63
18.5	256,239,127	3,225,185	0.0126	0.9874	94.31
19.5	222,707,730	67,748	0.0003	0.9997	93.12
20.5	234,096,616	792,371	0.0034	0.9966	93.10
21.5	243,503,033	1,696,454	0.0070	0.9930	92.78
22.5	240,127,492	1,308,721	0.0055	0.9945	92.13
23.5	233,340,967	1,635,117	0.0070	0.9930	91.63
24.5	223,545,740	1,167,883	0.0052	0.9948	90.99
25.5	221,386,793	7,213,441	0.0326	0.9674	90.52
26.5	213,291,280	934,821	0.0044	0.9956	87.57
27.5	225,610,324	5,396,440	0.0239	0.9761	87.18
28.5	229,142,713	3,982,707	0.0174	0.9826	85.10
29.5	225,485,369	11,419,859	0.0506	0.9494	83.62
30.5	213,653,986	10,454,558	0.0489	0.9511	79.38
31.5	202,638,374	3,656,830	0.0180	0.9820	75.50
32.5	198,840,015	16,096,129	0.0810	0.9190	74.14
33.5	182,373,056	1,150,323	0.0063	0.9937	68.13
34.5	178,084,034	3,807,274	0.0214	0.9786	67.71
35.5	182,351,204	3,728,046	0.0204	0.9796	66.26
36.5	178,313,164	1,468,991	0.0082	0.9918	64.90
37.5	176,832,684	4,182,515	0.0237	0.9763	64.37
38.5	177,187,605	581,311	0.0033	0.9967	62.85

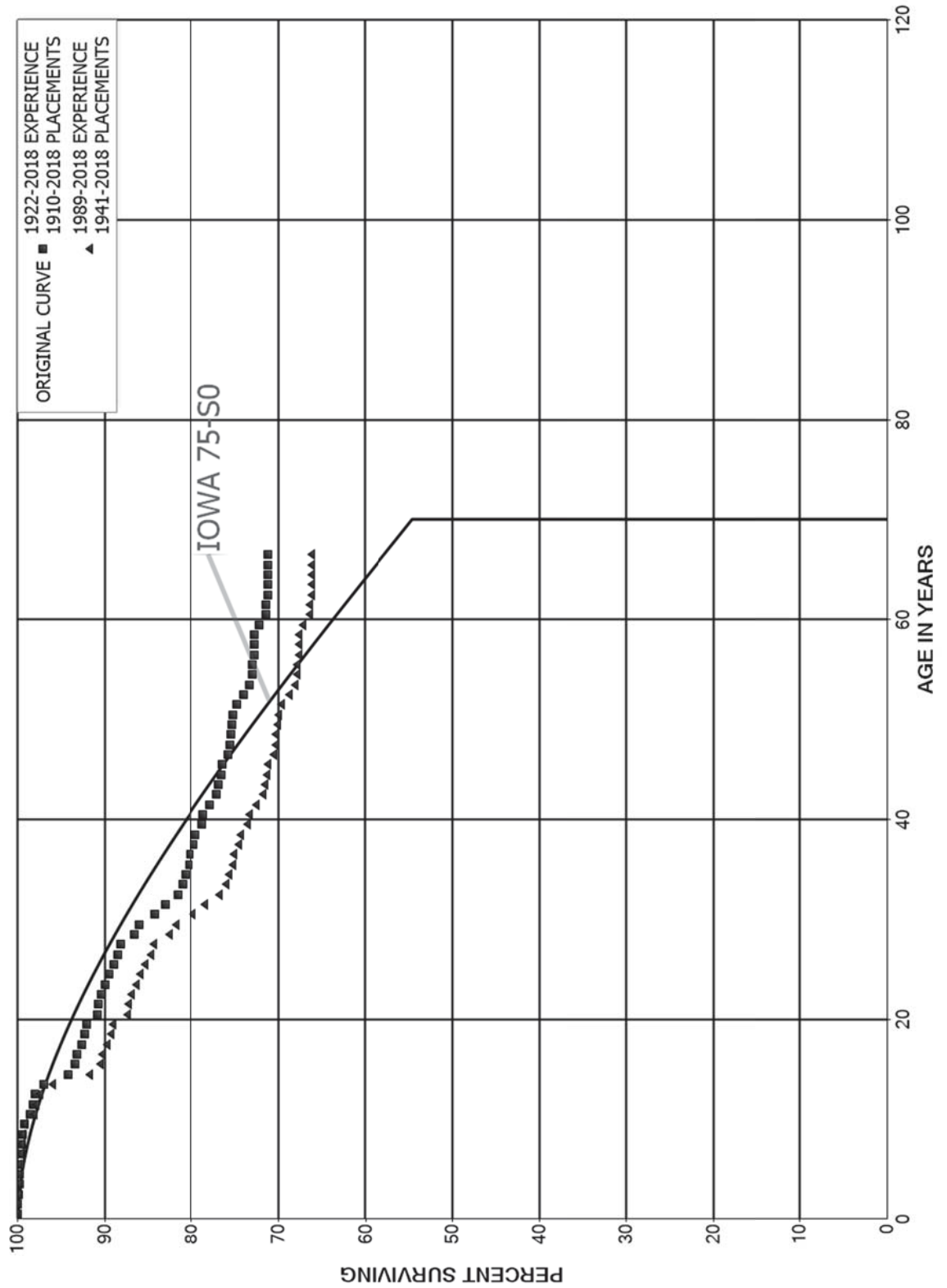
AMEREN MISSOURI

ACCOUNT 314 TURBOGENERATOR UNITS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1931-2018			EXPERIENCE BAND 1989-2018		
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	176,421,054	1,521,517	0.0086	0.9914	62.64
40.5	176,484,405	4,730,842	0.0268	0.9732	62.10
41.5	158,235,837	2,430,381	0.0154	0.9846	60.43
42.5	123,254,961	2,361,755	0.0192	0.9808	59.51
43.5	120,881,549	3,874,873	0.0321	0.9679	58.37
44.5	117,014,520	817,259	0.0070	0.9930	56.50
45.5	104,801,292	1,882,111	0.0180	0.9820	56.10
46.5	86,471,927	31,405	0.0004	0.9996	55.09
47.5	80,528,178	484,745	0.0060	0.9940	55.07
48.5	65,969,910	741,070	0.0112	0.9888	54.74
49.5	65,067,463	168,347	0.0026	0.9974	54.13
50.5	56,682,688	148,840	0.0026	0.9974	53.99
51.5	49,220,106	211,126	0.0043	0.9957	53.85
52.5	45,272,838	1,024,684	0.0226	0.9774	53.61
53.5	42,758,358	179,634	0.0042	0.9958	52.40
54.5	40,447,522	50,669	0.0013	0.9987	52.18
55.5	37,331,587	61,957	0.0017	0.9983	52.12
56.5	36,744,258	888	0.0000	1.0000	52.03
57.5	26,240,239		0.0000	1.0000	52.03
58.5	16,294,816	816,741	0.0501	0.9499	52.03
59.5	12,821,134	92,266	0.0072	0.9928	49.42
60.5	12,891,224	11,853	0.0009	0.9991	49.06
61.5	11,420,241		0.0000	1.0000	49.02
62.5	11,420,241	7,703	0.0007	0.9993	49.02
63.5	11,380,654		0.0000	1.0000	48.99
64.5	7,056,116		0.0000	1.0000	48.99
65.5	295,550		0.0000	1.0000	48.99
66.5	295,550		0.0000	1.0000	48.99
67.5	295,550		0.0000	1.0000	48.99
68.5	295,550		0.0000	1.0000	48.99
69.5	295,550		0.0000	1.0000	48.99
70.5	295,550		0.0000	1.0000	48.99
71.5					48.99

AMEREN MISSOURI
 ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1910-2018

EXPERIENCE BAND 1922-2018

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	333,299,499	2,012	0.0000	1.0000	100.00
0.5	319,997,602	66,432	0.0002	0.9998	100.00
1.5	319,555,735	484,120	0.0015	0.9985	99.98
2.5	341,023,004	226,861	0.0007	0.9993	99.83
3.5	345,241,420	78,229	0.0002	0.9998	99.76
4.5	329,593,391	64,565	0.0002	0.9998	99.74
5.5	325,487,174	417,339	0.0013	0.9987	99.72
6.5	300,065,772	274,719	0.0009	0.9991	99.59
7.5	297,920,047	477,064	0.0016	0.9984	99.50
8.5	220,492,072	412,768	0.0019	0.9981	99.34
9.5	217,242,021	1,447,097	0.0067	0.9933	99.15
10.5	208,901,532	596,290	0.0029	0.9971	98.49
11.5	197,690,400	595,082	0.0030	0.9970	98.21
12.5	194,472,964	1,834,285	0.0094	0.9906	97.92
13.5	184,760,788	5,294,955	0.0287	0.9713	96.99
14.5	164,386,873	1,392,515	0.0085	0.9915	94.21
15.5	157,777,960	392,532	0.0025	0.9975	93.42
16.5	145,675,813	824,584	0.0057	0.9943	93.18
17.5	135,394,346	541,656	0.0040	0.9960	92.66
18.5	133,005,375	274,677	0.0021	0.9979	92.29
19.5	128,679,516	1,759,098	0.0137	0.9863	92.09
20.5	126,408,596	174,811	0.0014	0.9986	90.84
21.5	122,247,884	414,688	0.0034	0.9966	90.71
22.5	113,243,786	550,886	0.0049	0.9951	90.40
23.5	108,349,764	563,679	0.0052	0.9948	89.96
24.5	105,232,710	575,295	0.0055	0.9945	89.49
25.5	102,593,135	614,685	0.0060	0.9940	89.01
26.5	101,551,699	366,035	0.0036	0.9964	88.47
27.5	100,442,207	1,701,416	0.0169	0.9831	88.15
28.5	98,242,168	735,257	0.0075	0.9925	86.66
29.5	95,604,591	1,885,640	0.0197	0.9803	86.01
30.5	90,911,607	1,292,278	0.0142	0.9858	84.31
31.5	90,303,096	1,574,992	0.0174	0.9826	83.12
32.5	88,134,818	705,724	0.0080	0.9920	81.67
33.5	87,647,675	335,192	0.0038	0.9962	81.01
34.5	87,282,309	400,014	0.0046	0.9954	80.70
35.5	84,619,654	117,512	0.0014	0.9986	80.33
36.5	84,935,637	491,546	0.0058	0.9942	80.22
37.5	83,334,418	258,621	0.0031	0.9969	79.76
38.5	82,689,308	768,475	0.0093	0.9907	79.51

AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018			EXPERIENCE BAND 1922-2018		
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	81,561,713	196,243	0.0024	0.9976	78.77
40.5	81,583,331	821,546	0.0101	0.9899	78.58
41.5	75,491,960	716,941	0.0095	0.9905	77.79
42.5	63,267,788	193,379	0.0031	0.9969	77.05
43.5	62,917,102	245,044	0.0039	0.9961	76.82
44.5	62,788,239	120,235	0.0019	0.9981	76.52
45.5	56,008,074	493,046	0.0088	0.9912	76.37
46.5	46,381,444	144,715	0.0031	0.9969	75.70
47.5	41,668,786	17,949	0.0004	0.9996	75.46
48.5	31,998,089	50,859	0.0016	0.9984	75.43
49.5	31,198,974	60,717	0.0019	0.9981	75.31
50.5	27,758,367	151,062	0.0054	0.9946	75.16
51.5	22,637,761	252,947	0.0112	0.9888	74.75
52.5	21,121,304	193,316	0.0092	0.9908	73.92
53.5	19,545,929	76,456	0.0039	0.9961	73.24
54.5	18,217,251		0.0000	1.0000	72.96
55.5	16,756,493	57,173	0.0034	0.9966	72.96
56.5	16,308,609		0.0000	1.0000	72.71
57.5	12,176,549	2,407	0.0002	0.9998	72.71
58.5	11,787,564	75,744	0.0064	0.9936	72.69
59.5	7,072,296	84,750	0.0120	0.9880	72.22
60.5	6,606,621		0.0000	1.0000	71.36
61.5	5,109,848	13,629	0.0027	0.9973	71.36
62.5	5,084,925		0.0000	1.0000	71.17
63.5	5,046,153		0.0000	1.0000	71.17
64.5	3,213,192		0.0000	1.0000	71.17
65.5	3,103		0.0000	1.0000	71.17
66.5					71.17

AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1941-2018

EXPERIENCE BAND 1989-2018

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	234,638,658	80	0.0000	1.0000	100.00
0.5	221,672,802	60,359	0.0003	0.9997	100.00
1.5	221,577,104	458,130	0.0021	0.9979	99.97
2.5	244,176,045	180,127	0.0007	0.9993	99.77
3.5	248,910,773	21,613	0.0001	0.9999	99.69
4.5	234,306,263	12,612	0.0001	0.9999	99.68
5.5	233,766,994	335,925	0.0014	0.9986	99.68
6.5	209,122,407	193,211	0.0009	0.9991	99.54
7.5	208,408,516	296,081	0.0014	0.9986	99.44
8.5	131,548,480	346,201	0.0026	0.9974	99.30
9.5	128,548,226	1,373,365	0.0107	0.9893	99.04
10.5	120,291,783	340,080	0.0028	0.9972	97.98
11.5	114,843,186	523,914	0.0046	0.9954	97.71
12.5	123,680,663	1,780,501	0.0144	0.9856	97.26
13.5	114,169,240	5,013,797	0.0439	0.9561	95.86
14.5	94,227,140	1,304,640	0.0138	0.9862	91.65
15.5	94,769,712	174,979	0.0018	0.9982	90.38
16.5	93,307,188	627,884	0.0067	0.9933	90.21
17.5	89,175,530	466,154	0.0052	0.9948	89.61
18.5	97,487,151	262,261	0.0027	0.9973	89.14
19.5	93,274,245	1,689,693	0.0181	0.9819	88.90
20.5	96,080,386	108,327	0.0011	0.9989	87.29
21.5	96,995,161	381,244	0.0039	0.9961	87.19
22.5	88,057,207	532,982	0.0061	0.9939	86.85
23.5	83,254,575	505,236	0.0061	0.9939	86.32
24.5	80,201,149	512,686	0.0064	0.9936	85.80
25.5	77,635,061	578,906	0.0075	0.9925	85.25
26.5	76,680,717	288,256	0.0038	0.9962	84.61
27.5	79,325,045	1,674,376	0.0211	0.9789	84.30
28.5	77,241,644	726,712	0.0094	0.9906	82.52
29.5	77,245,539	1,884,579	0.0244	0.9756	81.74
30.5	72,578,038	1,290,524	0.0178	0.9822	79.75
31.5	72,021,458	1,572,119	0.0218	0.9782	78.33
32.5	69,945,337	701,013	0.0100	0.9900	76.62
33.5	69,500,019	330,252	0.0048	0.9952	75.85
34.5	70,885,321	398,945	0.0056	0.9944	75.49
35.5	71,603,384	115,820	0.0016	0.9984	75.06
36.5	71,941,787	488,200	0.0068	0.9932	74.94
37.5	70,455,570	258,436	0.0037	0.9963	74.43
38.5	70,552,983	768,397	0.0109	0.9891	74.16

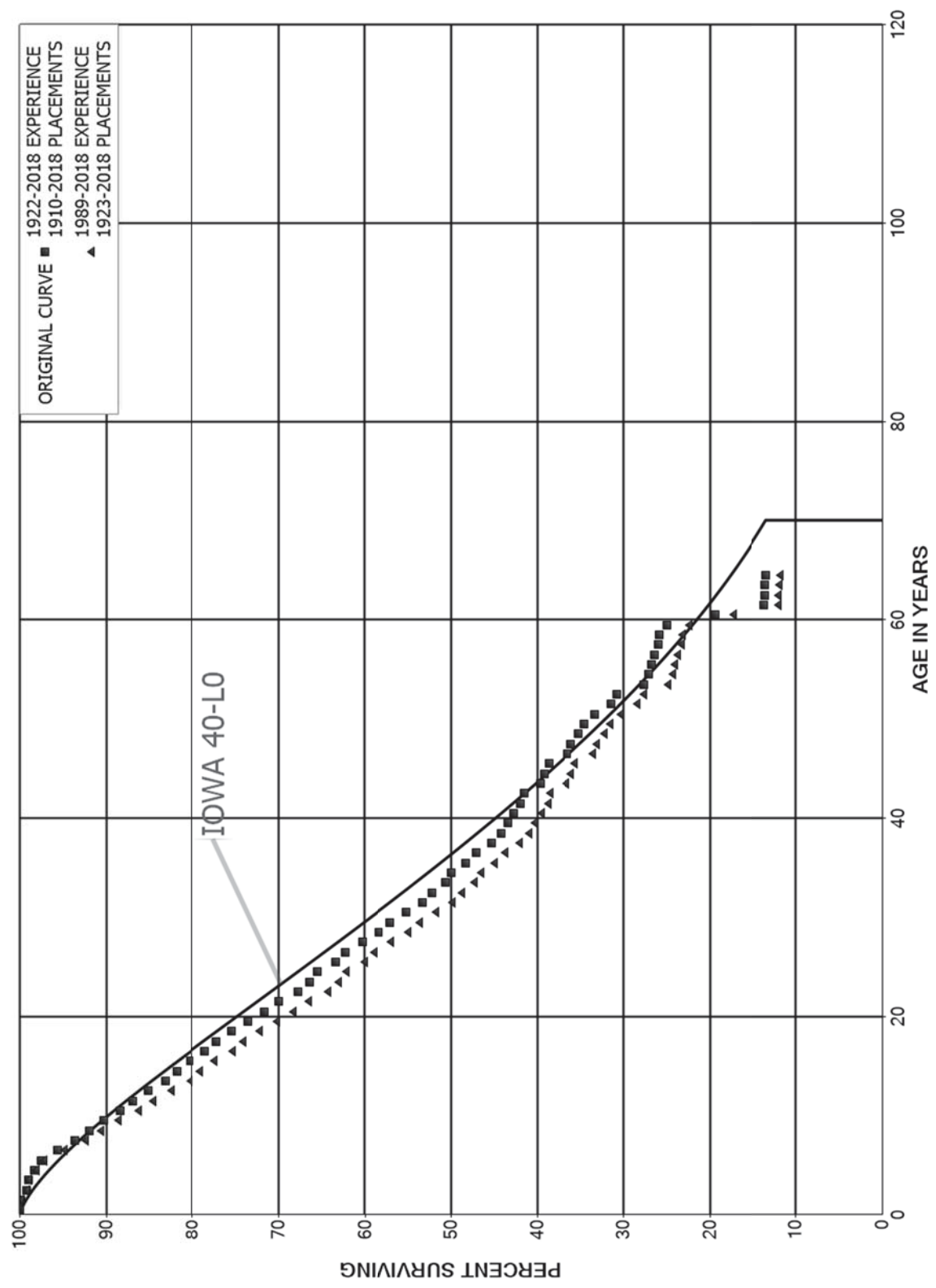
AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1941-2018			EXPERIENCE BAND 1989-2018		
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	70,371,012	187,364	0.0027	0.9973	73.35
40.5	71,918,528	798,500	0.0111	0.9889	73.16
41.5	67,291,490	699,580	0.0104	0.9896	72.35
42.5	55,513,736	162,019	0.0029	0.9971	71.59
43.5	55,212,902	162,433	0.0029	0.9971	71.39
44.5	55,278,941	80,320	0.0015	0.9985	71.18
45.5	49,830,977	470,585	0.0094	0.9906	71.07
46.5	40,943,128	144,637	0.0035	0.9965	70.40
47.5	38,948,066	17,646	0.0005	0.9995	70.15
48.5	29,410,801	49,398	0.0017	0.9983	70.12
49.5	29,278,566	51,664	0.0018	0.9982	70.00
50.5	25,898,099	138,454	0.0053	0.9947	69.88
51.5	20,901,217	252,947	0.0121	0.9879	69.51
52.5	19,939,494	193,316	0.0097	0.9903	68.66
53.5	19,065,788	76,456	0.0040	0.9960	68.00
54.5	18,211,175		0.0000	1.0000	67.73
55.5	16,751,041	57,173	0.0034	0.9966	67.73
56.5	16,303,157		0.0000	1.0000	67.49
57.5	12,171,097	2,407	0.0002	0.9998	67.49
58.5	11,782,112	75,744	0.0064	0.9936	67.48
59.5	7,066,844	84,750	0.0120	0.9880	67.05
60.5	6,601,169		0.0000	1.0000	66.24
61.5	5,104,396	13,629	0.0027	0.9973	66.24
62.5	5,079,473		0.0000	1.0000	66.07
63.5	5,046,153		0.0000	1.0000	66.07
64.5	3,213,192		0.0000	1.0000	66.07
65.5	3,103		0.0000	1.0000	66.07
66.5					66.07

AMEREN MISSOURI
 ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1910-2018

EXPERIENCE BAND 1922-2018

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	94,785,092	2,836	0.0000	1.0000	100.00
0.5	92,052,550	167,772	0.0018	0.9982	100.00
1.5	88,192,281	528,952	0.0060	0.9940	99.81
2.5	83,692,619	196,408	0.0023	0.9977	99.22
3.5	80,355,920	584,399	0.0073	0.9927	98.98
4.5	75,402,940	602,763	0.0080	0.9920	98.26
5.5	71,397,762	1,403,890	0.0197	0.9803	97.48
6.5	66,247,399	1,366,974	0.0206	0.9794	95.56
7.5	62,227,778	1,079,242	0.0173	0.9827	93.59
8.5	58,199,441	1,049,226	0.0180	0.9820	91.97
9.5	54,664,398	1,142,971	0.0209	0.9791	90.31
10.5	51,163,853	829,095	0.0162	0.9838	88.42
11.5	48,304,085	1,023,535	0.0212	0.9788	86.99
12.5	44,243,941	1,028,457	0.0232	0.9768	85.14
13.5	41,155,823	652,145	0.0158	0.9842	83.16
14.5	38,589,913	711,318	0.0184	0.9816	81.85
15.5	35,951,289	806,917	0.0224	0.9776	80.34
16.5	33,491,987	588,361	0.0176	0.9824	78.54
17.5	31,527,914	727,900	0.0231	0.9769	77.16
18.5	30,036,631	764,900	0.0255	0.9745	75.37
19.5	28,140,161	709,918	0.0252	0.9748	73.45
20.5	26,736,209	628,023	0.0235	0.9765	71.60
21.5	25,462,086	799,705	0.0314	0.9686	69.92
22.5	23,767,342	458,928	0.0193	0.9807	67.72
23.5	22,297,582	292,394	0.0131	0.9869	66.42
24.5	20,993,532	685,768	0.0327	0.9673	65.55
25.5	18,960,252	337,306	0.0178	0.9822	63.40
26.5	17,815,064	567,996	0.0319	0.9681	62.28
27.5	16,553,351	523,325	0.0316	0.9684	60.29
28.5	15,552,541	351,513	0.0226	0.9774	58.38
29.5	14,625,589	483,793	0.0331	0.9669	57.06
30.5	13,969,925	487,421	0.0349	0.9651	55.18
31.5	13,243,535	281,441	0.0213	0.9787	53.25
32.5	12,408,489	357,221	0.0288	0.9712	52.12
33.5	11,509,581	161,738	0.0141	0.9859	50.62
34.5	10,933,610	353,512	0.0323	0.9677	49.91
35.5	10,170,397	254,217	0.0250	0.9750	48.29
36.5	9,506,681	360,454	0.0379	0.9621	47.09
37.5	8,936,054	228,270	0.0255	0.9745	45.30
38.5	8,347,532	132,483	0.0159	0.9841	44.15

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018			EXPERIENCE BAND 1922-2018			
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	7,966,127	138,816	0.0174	0.9826	43.44	
40.5	7,635,969	137,157	0.0180	0.9820	42.69	
41.5	6,957,633	60,618	0.0087	0.9913	41.92	
42.5	5,396,890	248,282	0.0460	0.9540	41.56	
43.5	5,081,948	58,835	0.0116	0.9884	39.64	
44.5	4,891,481	70,698	0.0145	0.9855	39.18	
45.5	4,279,309	231,410	0.0541	0.9459	38.62	
46.5	3,065,196	39,457	0.0129	0.9871	36.53	
47.5	2,556,355	62,943	0.0246	0.9754	36.06	
48.5	1,519,501	30,943	0.0204	0.9796	35.17	
49.5	1,460,648	50,860	0.0348	0.9652	34.46	
50.5	1,296,405	71,945	0.0555	0.9445	33.26	
51.5	873,755	19,922	0.0228	0.9772	31.41	
52.5	729,126	73,533	0.1009	0.8991	30.69	
53.5	633,032	12,830	0.0203	0.9797	27.60	
54.5	603,115	7,465	0.0124	0.9876	27.04	
55.5	580,065	5,763	0.0099	0.9901	26.70	
56.5	521,947	9,380	0.0180	0.9820	26.44	
57.5	480,596	3,117	0.0065	0.9935	25.96	
58.5	444,574	15,176	0.0341	0.9659	25.80	
59.5	354,883	78,572	0.2214	0.7786	24.92	
60.5	244,326	73,205	0.2996	0.7004	19.40	
61.5	108,548	459	0.0042	0.9958	13.59	
62.5	106,874	468	0.0044	0.9956	13.53	
63.5	105,977	997	0.0094	0.9906	13.47	
64.5	83,527	520	0.0062	0.9938	13.34	
65.5	43,982	257	0.0058	0.9942	13.26	
66.5	16,662		0.0000	1.0000	13.18	
67.5	16,512		0.0000	1.0000	13.18	
68.5	16,439		0.0000	1.0000	13.18	
69.5	16,439	7,384	0.4492	0.5508	13.18	
70.5	9,056		0.0000	1.0000	7.26	
71.5	9,003		0.0000	1.0000	7.26	
72.5	8,909		0.0000	1.0000	7.26	
73.5	8,909		0.0000	1.0000	7.26	
74.5	8,887		0.0000	1.0000	7.26	
75.5	8,254		0.0000	1.0000	7.26	
76.5	405		0.0000	1.0000	7.26	
77.5	405		0.0000	1.0000	7.26	
78.5	405		0.0000	1.0000	7.26	

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018			EXPERIENCE BAND 1922-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	129		0.0000	1.0000	7.26
80.5	101		0.0000	1.0000	7.26
81.5	101		0.0000	1.0000	7.26
82.5	101	101	1.0000		7.26
83.5					

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018

EXPERIENCE BAND 1989-2018

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	74,533,140	1,293	0.0000	1.0000	100.00
0.5	72,292,698	159,509	0.0022	0.9978	100.00
1.5	69,232,924	503,718	0.0073	0.9927	99.78
2.5	65,140,655	170,234	0.0026	0.9974	99.05
3.5	63,093,329	524,225	0.0083	0.9917	98.79
4.5	58,964,446	545,659	0.0093	0.9907	97.97
5.5	55,801,003	1,371,044	0.0246	0.9754	97.07
6.5	52,048,742	1,303,337	0.0250	0.9750	94.68
7.5	48,793,723	976,760	0.0200	0.9800	92.31
8.5	45,765,897	1,017,133	0.0222	0.9778	90.46
9.5	42,887,823	1,100,795	0.0257	0.9743	88.45
10.5	39,930,432	751,145	0.0188	0.9812	86.18
11.5	37,889,381	965,066	0.0255	0.9745	84.56
12.5	36,221,152	966,910	0.0267	0.9733	82.41
13.5	33,431,677	541,287	0.0162	0.9838	80.21
14.5	31,161,648	659,649	0.0212	0.9788	78.91
15.5	29,342,636	779,443	0.0266	0.9734	77.24
16.5	28,068,548	456,983	0.0163	0.9837	75.19
17.5	26,849,151	669,599	0.0249	0.9751	73.96
18.5	26,826,855	751,968	0.0280	0.9720	72.12
19.5	25,018,732	697,269	0.0279	0.9721	70.10
20.5	23,979,950	613,732	0.0256	0.9744	68.14
21.5	23,337,348	779,054	0.0334	0.9666	66.40
22.5	21,727,085	425,095	0.0196	0.9804	64.18
23.5	20,453,241	286,177	0.0140	0.9860	62.93
24.5	19,256,276	656,860	0.0341	0.9659	62.05
25.5	17,333,361	323,237	0.0186	0.9814	59.93
26.5	16,336,197	562,012	0.0344	0.9656	58.81
27.5	15,156,090	506,692	0.0334	0.9666	56.79
28.5	14,322,756	348,401	0.0243	0.9757	54.89
29.5	13,481,612	478,205	0.0355	0.9645	53.55
30.5	12,864,498	479,609	0.0373	0.9627	51.65
31.5	12,190,020	268,519	0.0220	0.9780	49.73
32.5	11,387,375	353,644	0.0311	0.9689	48.63
33.5	10,511,494	157,714	0.0150	0.9850	47.12
34.5	10,005,702	349,220	0.0349	0.9651	46.42
35.5	9,426,218	239,163	0.0254	0.9746	44.80
36.5	8,954,396	353,049	0.0394	0.9606	43.66
37.5	8,427,477	225,509	0.0268	0.9732	41.94
38.5	7,901,865	131,804	0.0167	0.9833	40.82

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1989-2018		
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	7,545,394	138,719	0.0184	0.9816	40.14
40.5	7,235,850	135,721	0.0188	0.9812	39.40
41.5	6,583,257	53,505	0.0081	0.9919	38.66
42.5	5,050,757	248,112	0.0491	0.9509	38.34
43.5	4,743,258	58,739	0.0124	0.9876	36.46
44.5	4,566,712	70,487	0.0154	0.9846	36.01
45.5	3,983,334	230,139	0.0578	0.9422	35.45
46.5	2,808,731	39,457	0.0140	0.9860	33.40
47.5	2,359,470	61,807	0.0262	0.9738	32.94
48.5	1,365,669	30,943	0.0227	0.9773	32.07
49.5	1,306,816	50,860	0.0389	0.9611	31.35
50.5	1,154,613	71,945	0.0623	0.9377	30.13
51.5	782,355	19,922	0.0255	0.9745	28.25
52.5	716,929	73,533	0.1026	0.8974	27.53
53.5	620,908	12,830	0.0207	0.9793	24.71
54.5	594,787	7,465	0.0126	0.9874	24.20
55.5	571,737	5,763	0.0101	0.9899	23.89
56.5	513,672	9,380	0.0183	0.9817	23.65
57.5	472,415	3,117	0.0066	0.9934	23.22
58.5	436,393	15,176	0.0348	0.9652	23.07
59.5	346,724	78,572	0.2266	0.7734	22.26
60.5	236,469	73,205	0.3096	0.6904	17.22
61.5	100,717	459	0.0046	0.9954	11.89
62.5	99,043	468	0.0047	0.9953	11.83
63.5	105,572	997	0.0094	0.9906	11.78
64.5	83,223	520	0.0062	0.9938	11.67
65.5	43,982	257	0.0058	0.9942	11.59
66.5	16,662		0.0000	1.0000	11.53
67.5	16,512		0.0000	1.0000	11.53
68.5	16,439		0.0000	1.0000	11.53
69.5	16,439	7,384	0.4492	0.5508	11.53
70.5	9,056		0.0000	1.0000	6.35
71.5	9,003		0.0000	1.0000	6.35
72.5	8,909		0.0000	1.0000	6.35
73.5	8,909		0.0000	1.0000	6.35
74.5	8,887		0.0000	1.0000	6.35
75.5	8,254		0.0000	1.0000	6.35
76.5	405		0.0000	1.0000	6.35
77.5	405		0.0000	1.0000	6.35
78.5	405		0.0000	1.0000	6.35

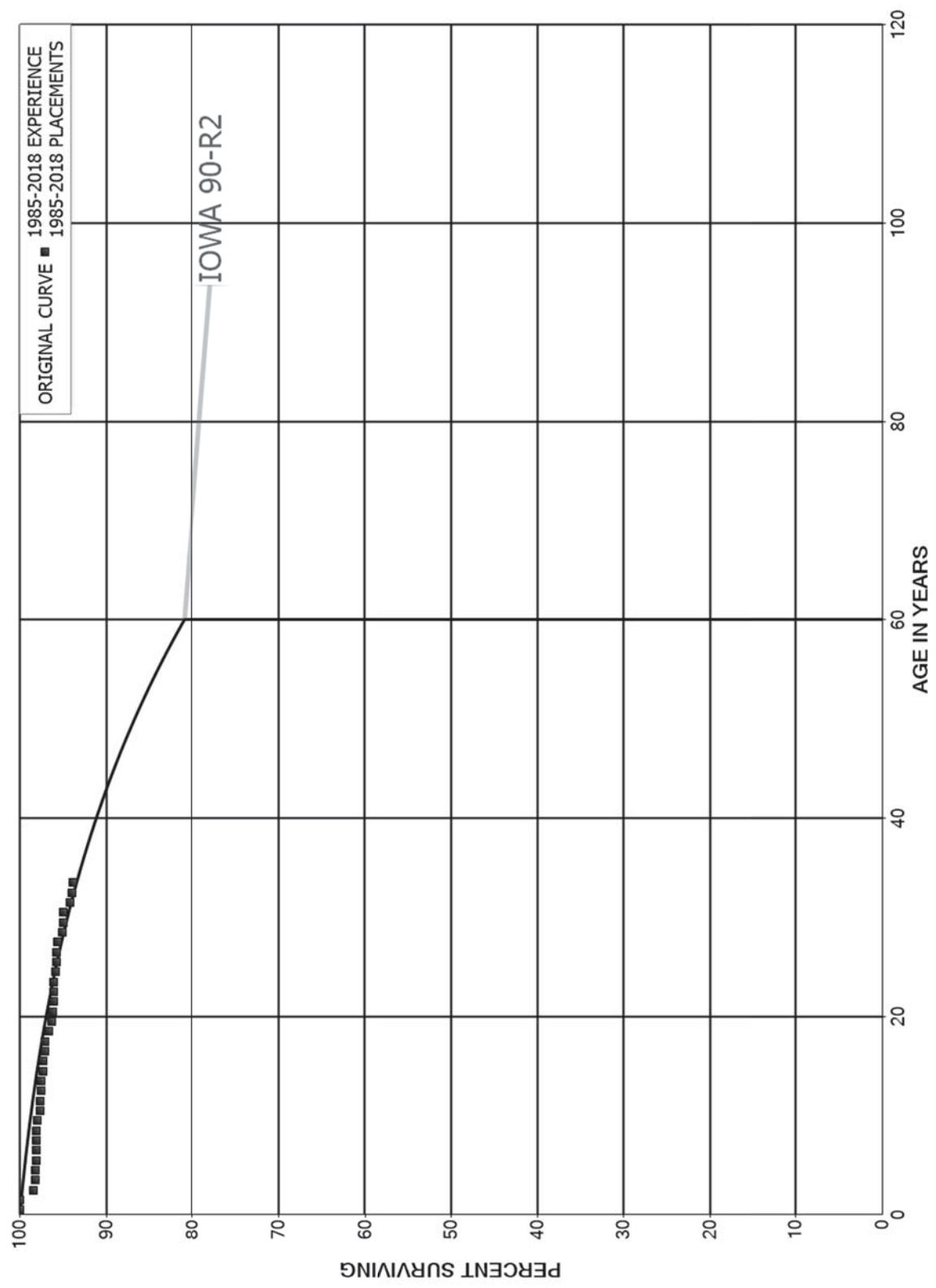
AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1989-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	129		0.0000	1.0000	6.35
80.5	101		0.0000	1.0000	6.35
81.5	101		0.0000	1.0000	6.35
82.5	101	101	1.0000		6.35
83.5					

AMEREN MISSOURI
 ACCOUNT 321 STRUCTURES AND IMPROVEMENTS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



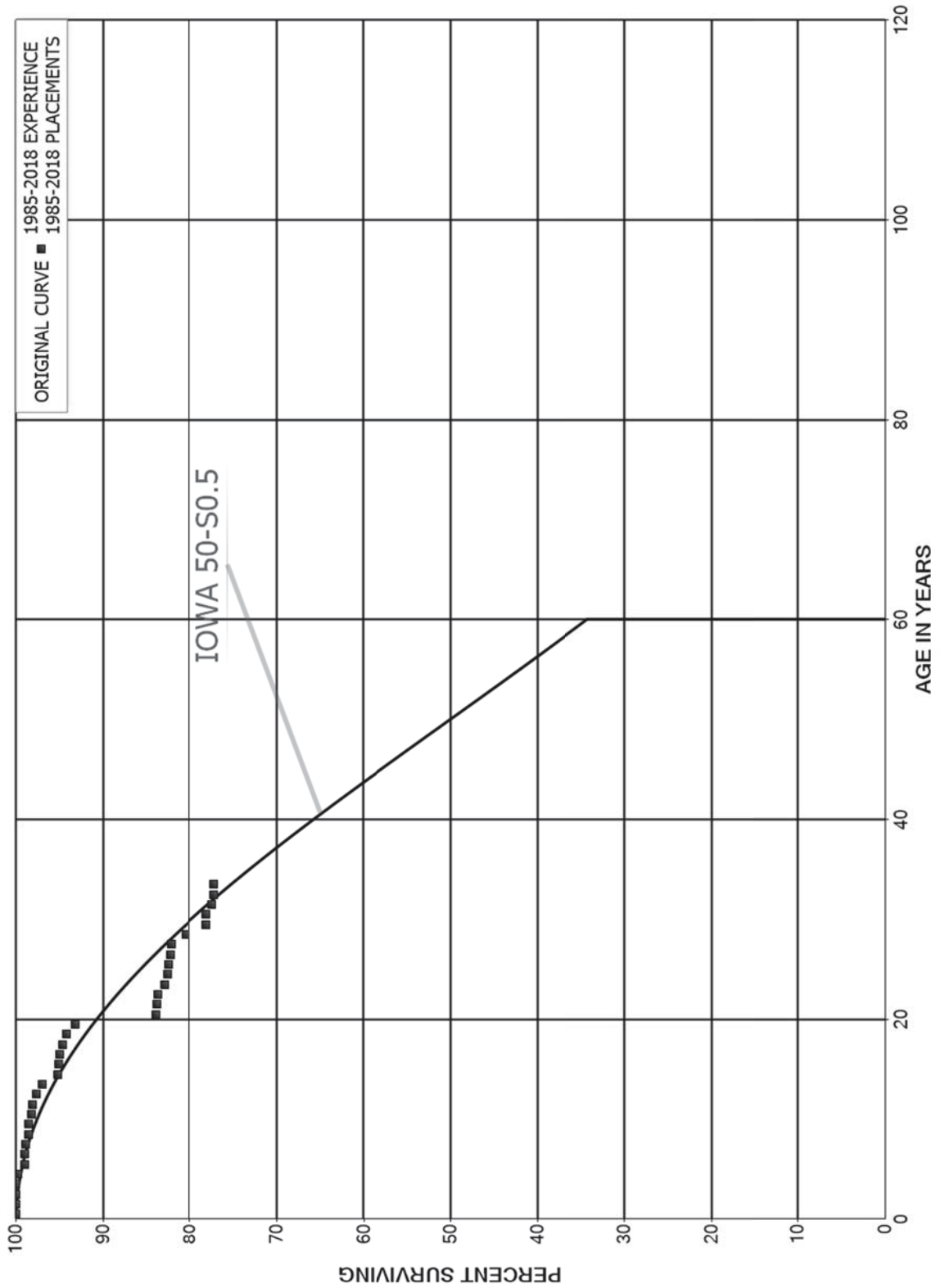
AMEREN MISSOURI

ACCOUNT 321 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1985-2018			EXPERIENCE BAND 1985-2018		
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	1,019,954,959		0.0000	1.0000	100.00
0.5	1,016,470,952	199,548	0.0002	0.9998	100.00
1.5	1,013,307,799	16,137,533	0.0159	0.9841	99.98
2.5	978,846,513	2,519,652	0.0026	0.9974	98.39
3.5	968,207,940	138,267	0.0001	0.9999	98.13
4.5	953,152,584	206,661	0.0002	0.9998	98.12
5.5	946,066,562	27,512	0.0000	1.0000	98.10
6.5	945,257,586	71,982	0.0001	0.9999	98.10
7.5	942,646,817	640,671	0.0007	0.9993	98.09
8.5	937,451,727	997,968	0.0011	0.9989	98.02
9.5	926,146,116	2,984,122	0.0032	0.9968	97.92
10.5	920,483,886	92,727	0.0001	0.9999	97.60
11.5	903,059,026	1,005,739	0.0011	0.9989	97.59
12.5	898,133,969	92,619	0.0001	0.9999	97.48
13.5	889,413,906	1,636,162	0.0018	0.9982	97.47
14.5	866,171,415	530,275	0.0006	0.9994	97.29
15.5	862,328,318	1,205,181	0.0014	0.9986	97.24
16.5	859,480,002	190,141	0.0002	0.9998	97.10
17.5	858,157,706	4,405,421	0.0051	0.9949	97.08
18.5	856,459,988	3,060,702	0.0036	0.9964	96.58
19.5	852,799,502	364,878	0.0004	0.9996	96.23
20.5	850,296,825	769,638	0.0009	0.9991	96.19
21.5	849,027,655	29,925	0.0000	1.0000	96.11
22.5	848,266,765	586,085	0.0007	0.9993	96.10
23.5	846,338,983	1,930,833	0.0023	0.9977	96.04
24.5	843,969,688	538,799	0.0006	0.9994	95.82
25.5	840,348,904	292,659	0.0003	0.9997	95.76
26.5	839,251,424	575,308	0.0007	0.9993	95.72
27.5	837,986,457	5,056,088	0.0060	0.9940	95.66
28.5	826,524,798	642,945	0.0008	0.9992	95.08
29.5	825,234,283	116,486	0.0001	0.9999	95.01
30.5	824,150,806	6,795,956	0.0082	0.9918	94.99
31.5	815,185,582	2,033,337	0.0025	0.9975	94.21
32.5	809,556,028	996,810	0.0012	0.9988	93.97
33.5					93.86

AMEREN MISSOURI
 ACCOUNT 322 REACTOR PLANT EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



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ACCOUNT 322 REACTOR PLANT EQUIPMENT

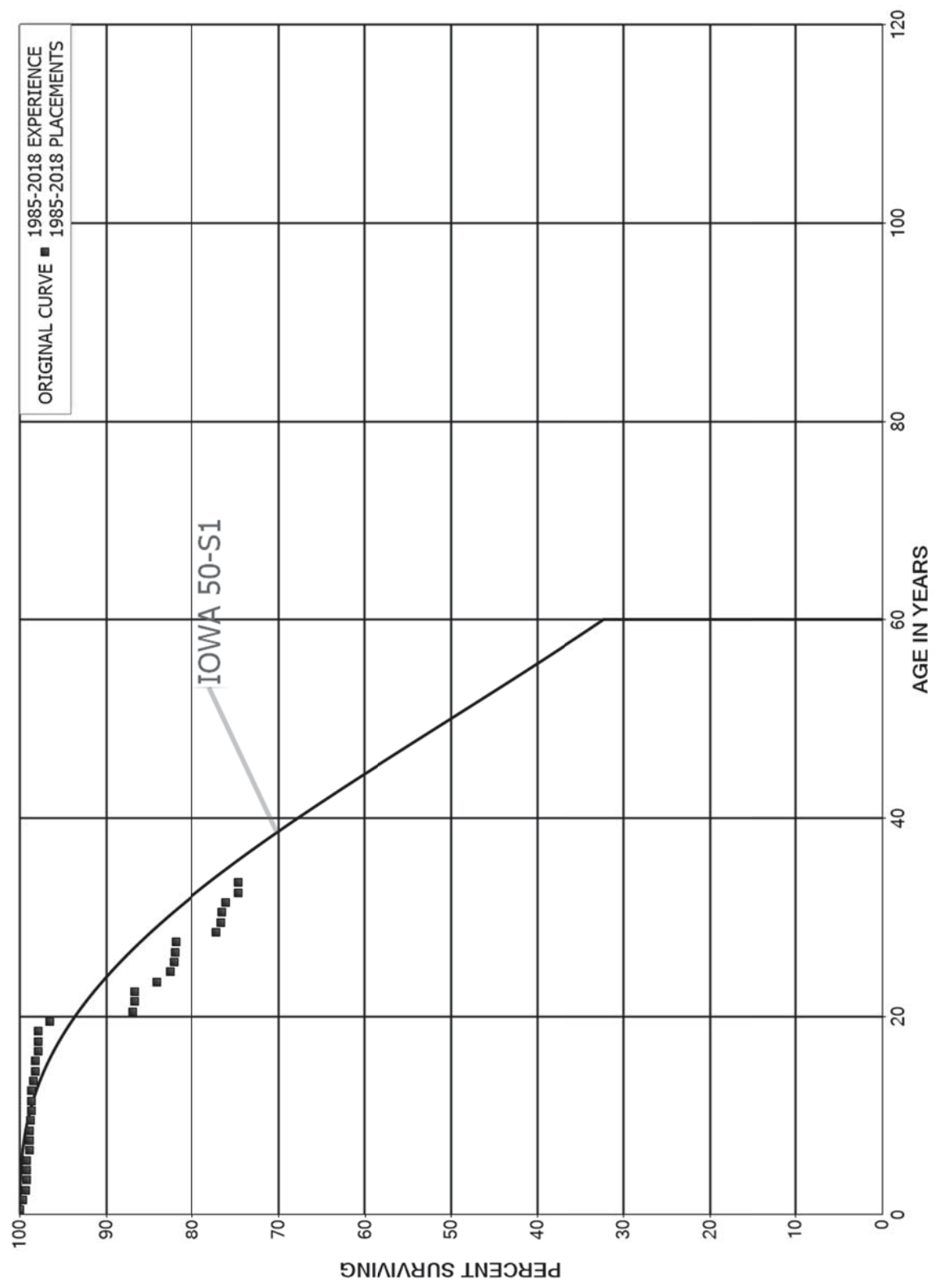
ORIGINAL LIFE TABLE

PLACEMENT BAND 1985-2018

EXPERIENCE BAND 1985-2018

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	1,484,852,935	186,822	0.0001	0.9999	100.00
0.5	1,482,530,937	254,847	0.0002	0.9998	99.99
1.5	1,415,906,842	192,516	0.0001	0.9999	99.97
2.5	1,373,224,979	204,406	0.0001	0.9999	99.96
3.5	1,363,033,456	2,337,857	0.0017	0.9983	99.94
4.5	1,192,112,924	9,656,891	0.0081	0.9919	99.77
5.5	1,136,135,727	739,833	0.0007	0.9993	98.96
6.5	1,132,717,927	1,005,377	0.0009	0.9991	98.90
7.5	1,122,229,530	3,604,952	0.0032	0.9968	98.81
8.5	1,115,385,704	429,039	0.0004	0.9996	98.49
9.5	1,111,910,061	3,602,773	0.0032	0.9968	98.45
10.5	1,062,319,071	847,385	0.0008	0.9992	98.14
11.5	1,034,225,004	4,555,949	0.0044	0.9956	98.06
12.5	1,029,366,473	7,611,016	0.0074	0.9926	97.63
13.5	858,206,146	14,855,896	0.0173	0.9827	96.90
14.5	838,221,668	1,497,451	0.0018	0.9982	95.23
15.5	824,892,507	1,119,373	0.0014	0.9986	95.06
16.5	824,354,768	2,610,481	0.0032	0.9968	94.93
17.5	821,782,172	4,258,215	0.0052	0.9948	94.63
18.5	828,729,126	8,234,434	0.0099	0.9901	94.14
19.5	817,391,006	81,348,034	0.0995	0.9005	93.20
20.5	732,019,999	831,755	0.0011	0.9989	83.93
21.5	730,842,203	502,818	0.0007	0.9993	83.83
22.5	727,331,453	6,672,823	0.0092	0.9908	83.77
23.5	716,622,834	3,458,539	0.0048	0.9952	83.00
24.5	705,504,773	665,280	0.0009	0.9991	82.60
25.5	704,474,782	1,762,872	0.0025	0.9975	82.53
26.5	699,137,595	841,450	0.0012	0.9988	82.32
27.5	694,873,905	14,862,079	0.0214	0.9786	82.22
28.5	674,741,886	19,821,116	0.0294	0.9706	80.46
29.5	653,952,634	111,200	0.0002	0.9998	78.10
30.5	652,336,909	5,825,196	0.0089	0.9911	78.08
31.5	645,226,779	1,681,691	0.0026	0.9974	77.39
32.5	640,820,042	20,844	0.0000	1.0000	77.19
33.5					77.18

AMEREN MISSOURI
 ACCOUNT 323 TURBOGENERATOR UNITS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



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ACCOUNT 323 TURBOGENERATOR UNITS

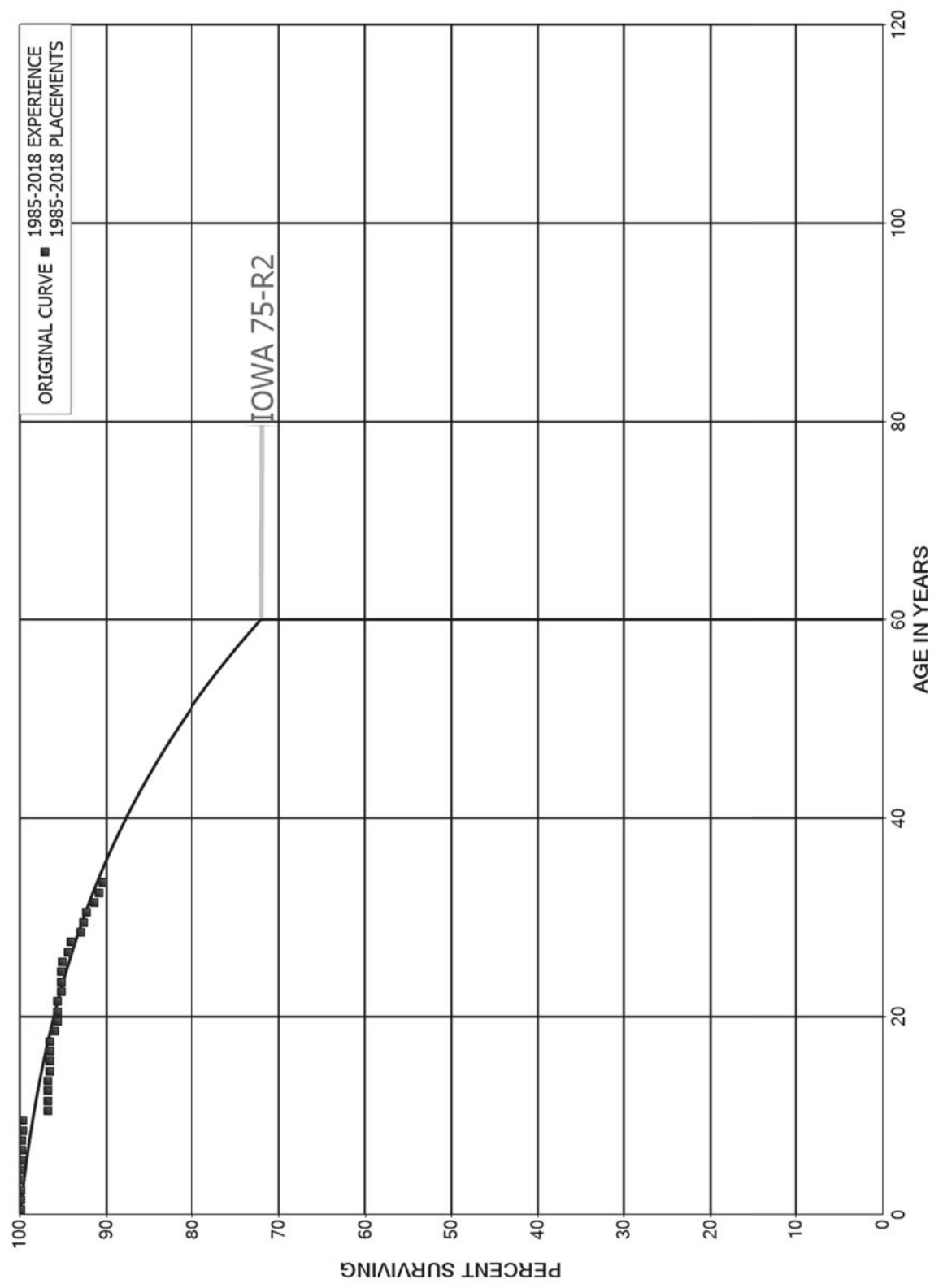
ORIGINAL LIFE TABLE

PLACEMENT BAND 1985-2018

EXPERIENCE BAND 1985-2018

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	641,899,070	0	0.0000	1.0000	100.00
0.5	637,100,572	2,115,149	0.0033	0.9967	100.00
1.5	606,420,285	2,166,376	0.0036	0.9964	99.67
2.5	593,631,742	615,878	0.0010	0.9990	99.31
3.5	592,210,814	197,453	0.0003	0.9997	99.21
4.5	590,172,269	51,568	0.0001	0.9999	99.18
5.5	565,914,565	1,589,733	0.0028	0.9972	99.17
6.5	563,566,774	78,643	0.0001	0.9999	98.89
7.5	560,399,803	412,186	0.0007	0.9993	98.87
8.5	554,044,839	521,950	0.0009	0.9991	98.80
9.5	552,923,733	589,770	0.0011	0.9989	98.71
10.5	536,610,831	109,821	0.0002	0.9998	98.60
11.5	532,338,026		0.0000	1.0000	98.58
12.5	531,948,269	735,418	0.0014	0.9986	98.58
13.5	473,347,457	1,209,226	0.0026	0.9974	98.45
14.5	439,873,822	51,598	0.0001	0.9999	98.20
15.5	439,517,419	1,534,172	0.0035	0.9965	98.18
16.5	454,365,198		0.0000	1.0000	97.84
17.5	448,460,053	161,513	0.0004	0.9996	97.84
18.5	443,701,189	6,132,605	0.0138	0.9862	97.81
19.5	437,225,404	43,138,606	0.0987	0.9013	96.45
20.5	392,761,206	1,118,113	0.0028	0.9972	86.94
21.5	391,461,117	76,468	0.0002	0.9998	86.69
22.5	390,229,648	11,114,378	0.0285	0.9715	86.67
23.5	377,167,990	7,128,379	0.0189	0.9811	84.20
24.5	369,063,356	1,908,976	0.0052	0.9948	82.61
25.5	366,500,943	371,641	0.0010	0.9990	82.19
26.5	360,980,351	610,372	0.0017	0.9983	82.10
27.5	360,369,979	21,262,548	0.0590	0.9410	81.96
28.5	339,076,091	2,103,539	0.0062	0.9938	77.13
29.5	337,006,143	547,002	0.0016	0.9984	76.65
30.5	335,965,036	2,233,811	0.0066	0.9934	76.52
31.5	333,217,771	6,031,145	0.0181	0.9819	76.02
32.5	326,622,407		0.0000	1.0000	74.64
33.5					74.64

AMEREN MISSOURI
 ACCOUNT 324 ACCESSORY ELECTRIC EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



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ACCOUNT 324 ACCESSORY ELECTRIC EQUIPMENT

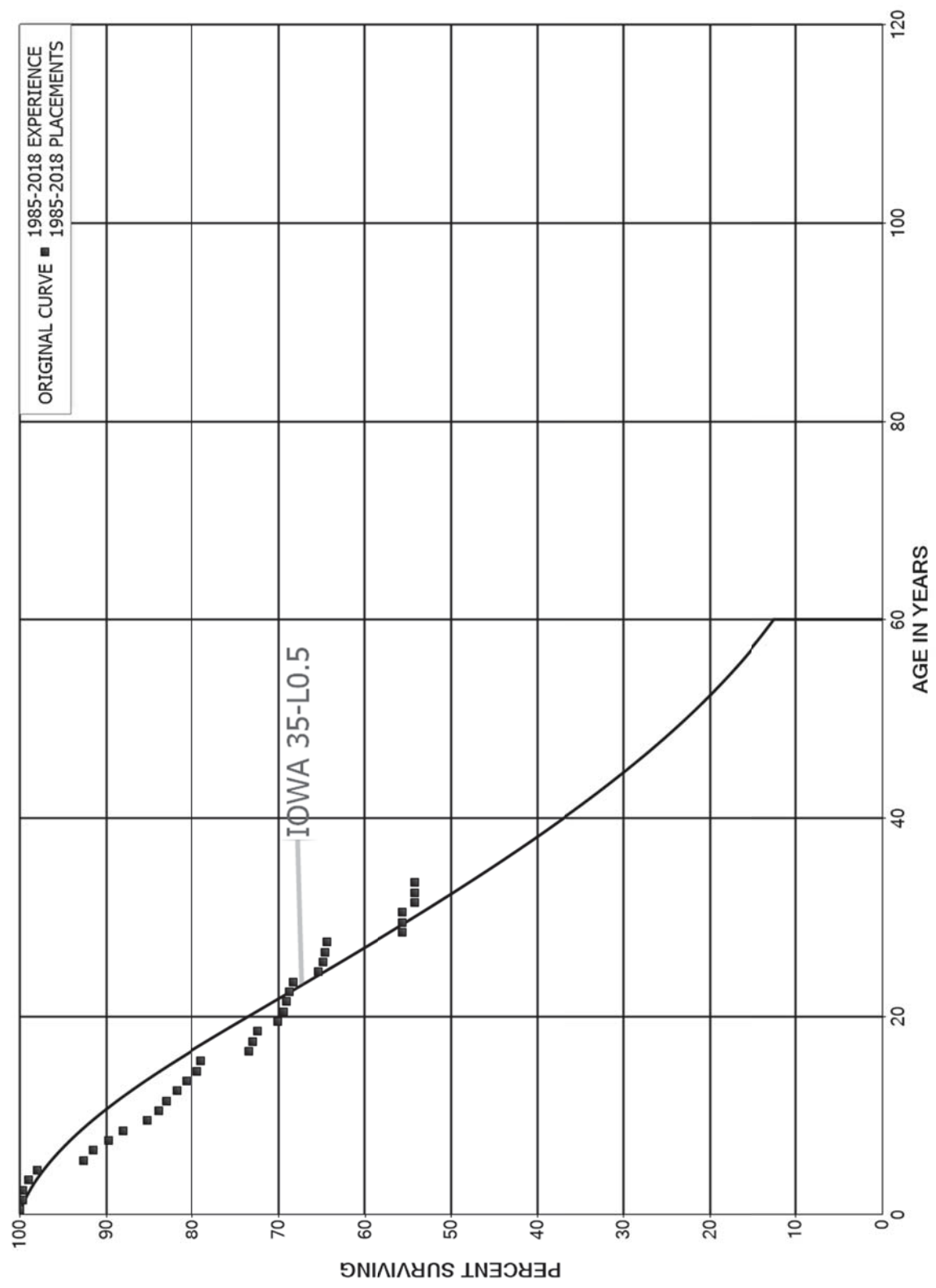
ORIGINAL LIFE TABLE

PLACEMENT BAND 1985-2018

EXPERIENCE BAND 1985-2018

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	318,314,023	577,362	0.0018	0.9982	100.00
0.5	316,790,888	25,459	0.0001	0.9999	99.82
1.5	302,978,149		0.0000	1.0000	99.81
2.5	281,370,745		0.0000	1.0000	99.81
3.5	280,233,614		0.0000	1.0000	99.81
4.5	268,018,164	172,168	0.0006	0.9994	99.81
5.5	264,460,775	97,940	0.0004	0.9996	99.75
6.5	264,220,865	22,562	0.0001	0.9999	99.71
7.5	245,465,336	115,380	0.0005	0.9995	99.70
8.5	240,564,405		0.0000	1.0000	99.65
9.5	241,008,650	7,135,824	0.0296	0.9704	99.65
10.5	233,872,826	1,810	0.0000	1.0000	96.70
11.5	233,739,755	32,820	0.0001	0.9999	96.70
12.5	233,458,691	20,234	0.0001	0.9999	96.69
13.5	232,772,438	342,690	0.0015	0.9985	96.68
14.5	231,809,937	1,374	0.0000	1.0000	96.54
15.5	230,100,999	1,374	0.0000	1.0000	96.54
16.5	230,068,301		0.0000	1.0000	96.54
17.5	229,783,331	1,325,032	0.0058	0.9942	96.54
18.5	203,930,535	805,448	0.0039	0.9961	95.98
19.5	203,125,087		0.0000	1.0000	95.60
20.5	203,122,992		0.0000	1.0000	95.60
21.5	203,122,992	968,903	0.0048	0.9952	95.60
22.5	202,139,344		0.0000	1.0000	95.15
23.5	201,132,932		0.0000	1.0000	95.15
24.5	200,295,642	205,875	0.0010	0.9990	95.15
25.5	200,089,767	1,355,553	0.0068	0.9932	95.05
26.5	197,504,572	602,909	0.0031	0.9969	94.40
27.5	196,901,663	2,476,931	0.0126	0.9874	94.12
28.5	194,405,673	698,395	0.0036	0.9964	92.93
29.5	195,868,210	627,879	0.0032	0.9968	92.60
30.5	195,161,572	1,927,671	0.0099	0.9901	92.30
31.5	193,114,098	1,200,598	0.0062	0.9938	91.39
32.5	191,870,072	886,001	0.0046	0.9954	90.82
33.5					90.40

AMEREN MISSOURI
 ACCOUNT 325 MISCELLANEOUS POWER PLANT EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



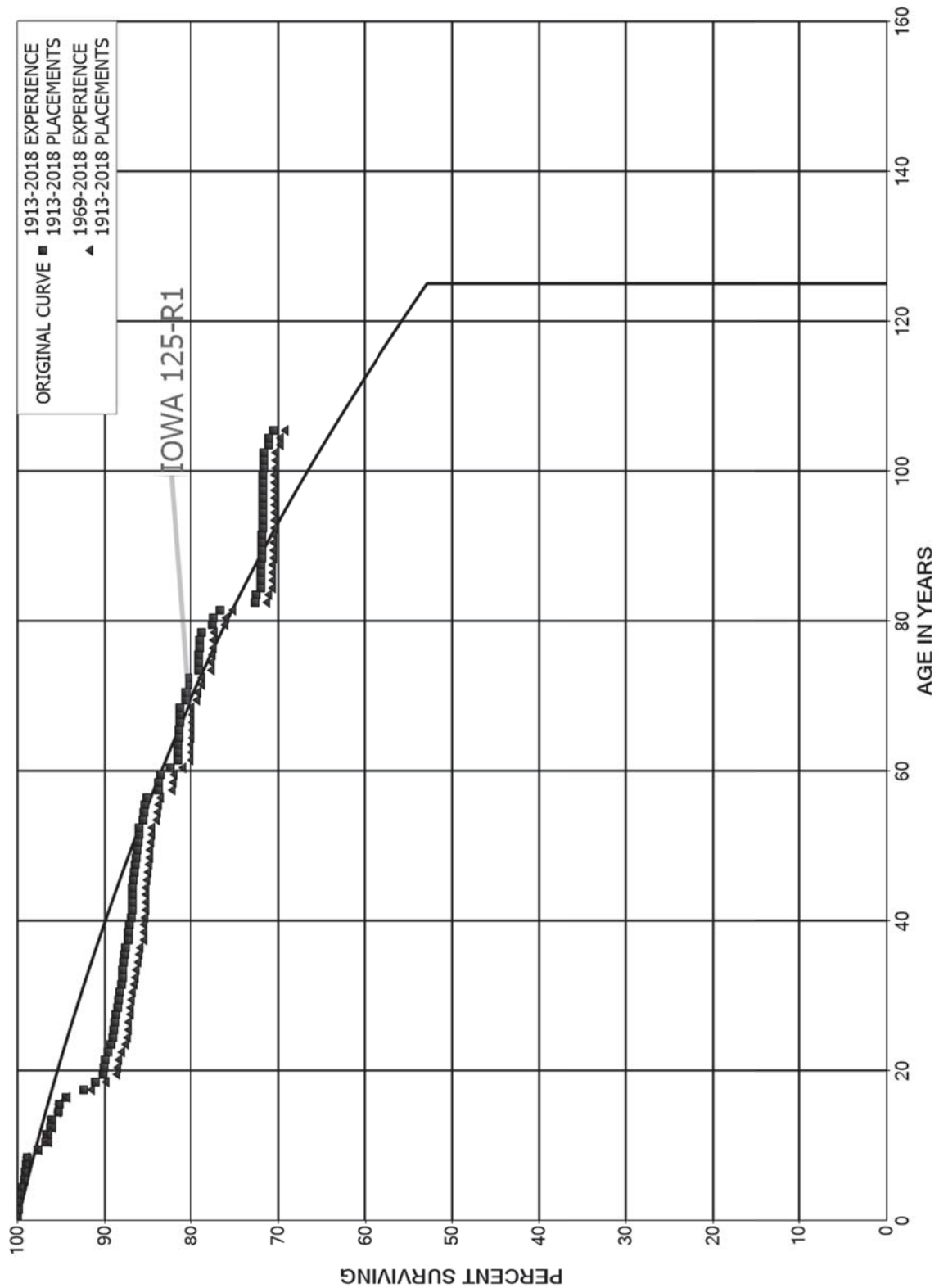
AMEREN MISSOURI

ACCOUNT 325 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1985-2018			EXPERIENCE BAND 1985-2018		
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	284,726,322	10,904	0.0000	1.0000	100.00
0.5	282,251,488	956,035	0.0034	0.9966	100.00
1.5	262,110,116	167,285	0.0006	0.9994	99.66
2.5	248,606,404	1,733,973	0.0070	0.9930	99.59
3.5	244,935,946	2,292,665	0.0094	0.9906	98.90
4.5	231,762,881	12,549,456	0.0541	0.9459	97.97
5.5	199,828,753	2,587,415	0.0129	0.9871	92.67
6.5	192,105,134	3,754,039	0.0195	0.9805	91.47
7.5	194,231,917	3,576,641	0.0184	0.9816	89.68
8.5	185,911,809	5,786,920	0.0311	0.9689	88.03
9.5	176,905,019	2,747,964	0.0155	0.9845	85.29
10.5	159,625,078	1,769,932	0.0111	0.9889	83.96
11.5	154,849,940	2,271,588	0.0147	0.9853	83.03
12.5	150,531,545	2,027,586	0.0135	0.9865	81.82
13.5	138,858,141	2,289,708	0.0165	0.9835	80.71
14.5	130,172,642	662,172	0.0051	0.9949	79.38
15.5	127,590,238	8,965,152	0.0703	0.9297	78.98
16.5	118,244,829	813,897	0.0069	0.9931	73.43
17.5	114,198,602	761,576	0.0067	0.9933	72.92
18.5	109,766,695	3,625,423	0.0330	0.9670	72.44
19.5	104,141,132	958,963	0.0092	0.9908	70.05
20.5	101,131,647	479,655	0.0047	0.9953	69.40
21.5	100,039,762	462,526	0.0046	0.9954	69.07
22.5	98,664,109	601,429	0.0061	0.9939	68.75
23.5	93,627,533	3,951,467	0.0422	0.9578	68.33
24.5	85,000,475	854,795	0.0101	0.9899	65.45
25.5	83,623,630	253,979	0.0030	0.9970	64.79
26.5	72,348,702	271,825	0.0038	0.9962	64.59
27.5	70,732,632	9,561,544	0.1352	0.8648	64.35
28.5	59,708,972	49,440	0.0008	0.9992	55.65
29.5	59,312,546		0.0000	1.0000	55.61
30.5	56,671,358	1,468,977	0.0259	0.9741	55.61
31.5	53,372,273		0.0000	1.0000	54.16
32.5	51,613,701		0.0000	1.0000	54.16
33.5					54.16

AMEREN MISSOURI
 ACCOUNT 331 STRUCTURES AND IMPROVEMENTS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018			
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	58,050,095	899	0.0000	1.0000	100.00	
0.5	53,428,869	88,855	0.0017	0.9983	100.00	
1.5	52,271,699	9,873	0.0002	0.9998	99.83	
2.5	47,944,750	53,850	0.0011	0.9989	99.81	
3.5	45,662,696	100,412	0.0022	0.9978	99.70	
4.5	34,281,929	110,880	0.0032	0.9968	99.48	
5.5	30,814,015	28,792	0.0009	0.9991	99.16	
6.5	30,071,623	51,444	0.0017	0.9983	99.07	
7.5	29,240,414	21,323	0.0007	0.9993	98.90	
8.5	19,444,348	241,822	0.0124	0.9876	98.83	
9.5	16,542,389	143,505	0.0087	0.9913	97.60	
10.5	15,455,925	15,982	0.0010	0.9990	96.75	
11.5	14,402,677	70,350	0.0049	0.9951	96.65	
12.5	14,270,344	16,389	0.0011	0.9989	96.18	
13.5	13,408,380	102,729	0.0077	0.9923	96.07	
14.5	13,195,359	16,629	0.0013	0.9987	95.33	
15.5	13,076,907	108,917	0.0083	0.9917	95.21	
16.5	12,381,772	271,044	0.0219	0.9781	94.42	
17.5	12,078,703	167,848	0.0139	0.9861	92.35	
18.5	11,768,597	117,116	0.0100	0.9900	91.07	
19.5	11,519,983	10,132	0.0009	0.9991	90.16	
20.5	11,444,091	14,377	0.0013	0.9987	90.08	
21.5	11,361,076	38,955	0.0034	0.9966	89.97	
22.5	11,216,679	43,047	0.0038	0.9962	89.66	
23.5	10,932,262	35,248	0.0032	0.9968	89.32	
24.5	10,589,531	9,704	0.0009	0.9991	89.03	
25.5	10,412,057	9,599	0.0009	0.9991	88.95	
26.5	10,067,979	16,424	0.0016	0.9984	88.87	
27.5	10,016,935	24,463	0.0024	0.9976	88.72	
28.5	9,878,004	12,558	0.0013	0.9987	88.50	
29.5	9,847,887	10,920	0.0011	0.9989	88.39	
30.5	9,824,993	25,400	0.0026	0.9974	88.29	
31.5	9,791,847	8,611	0.0009	0.9991	88.06	
32.5	9,708,010	7,679	0.0008	0.9992	87.99	
33.5	9,461,623	14,072	0.0015	0.9985	87.92	
34.5	9,330,963	11,343	0.0012	0.9988	87.79	
35.5	9,311,253	5,608	0.0006	0.9994	87.68	
36.5	9,250,705	32,121	0.0035	0.9965	87.63	
37.5	9,182,052	5,941	0.0006	0.9994	87.32	
38.5	9,058,962	12,368	0.0014	0.9986	87.27	

AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018		
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	9,044,143	14,759	0.0016	0.9984	87.15
40.5	8,920,563	12,885	0.0014	0.9986	87.01
41.5	8,888,895	2,653	0.0003	0.9997	86.88
42.5	8,849,639	1,112	0.0001	0.9999	86.85
43.5	8,775,720	4,012	0.0005	0.9995	86.84
44.5	8,718,494	2,530	0.0003	0.9997	86.80
45.5	8,610,341	13,858	0.0016	0.9984	86.78
46.5	8,531,206	11,218	0.0013	0.9987	86.64
47.5	8,325,978	12,667	0.0015	0.9985	86.52
48.5	8,308,249	10,449	0.0013	0.9987	86.39
49.5	8,292,566	8,963	0.0011	0.9989	86.28
50.5	8,137,615	7,231	0.0009	0.9991	86.19
51.5	8,129,756	443	0.0001	0.9999	86.11
52.5	8,116,318	45,282	0.0056	0.9944	86.11
53.5	8,021,747	10,560	0.0013	0.9987	85.63
54.5	7,977,058	10,044	0.0013	0.9987	85.52
55.5	4,001,787	8,654	0.0022	0.9978	85.41
56.5	3,981,320	65,776	0.0165	0.9835	85.22
57.5	3,850,937	1,467	0.0004	0.9996	83.82
58.5	3,843,382	7,802	0.0020	0.9980	83.78
59.5	3,829,422	48,490	0.0127	0.9873	83.61
60.5	3,727,618	42,626	0.0114	0.9886	82.56
61.5	3,666,248	322	0.0001	0.9999	81.61
62.5	3,638,008	1,608	0.0004	0.9996	81.60
63.5	3,601,849	2,394	0.0007	0.9993	81.57
64.5	3,562,724	2,239	0.0006	0.9994	81.51
65.5	3,302,883	767	0.0002	0.9998	81.46
66.5	3,082,441	44	0.0000	1.0000	81.44
67.5	3,009,978		0.0000	1.0000	81.44
68.5	2,999,762	25,536	0.0085	0.9915	81.44
69.5	2,965,506	1,047	0.0004	0.9996	80.75
70.5	2,953,079	17,794	0.0060	0.9940	80.72
71.5	2,935,285	98	0.0000	1.0000	80.23
72.5	2,935,187	42,961	0.0146	0.9854	80.23
73.5	2,889,271	41	0.0000	1.0000	79.06
74.5	2,808,758	1,288	0.0005	0.9995	79.06
75.5	2,804,516	4,108	0.0015	0.9985	79.02
76.5	2,800,409	391	0.0001	0.9999	78.90
77.5	2,798,036	5,154	0.0018	0.9982	78.89
78.5	2,788,540	44,826	0.0161	0.9839	78.75

AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	2,742,359	1,445	0.0005	0.9995	77.48
80.5	2,739,675	29,812	0.0109	0.9891	77.44
81.5	2,707,000	141,265	0.0522	0.9478	76.60
82.5	2,565,645	5,032	0.0020	0.9980	72.60
83.5	2,558,727	16,858	0.0066	0.9934	72.46
84.5	2,543,762		0.0000	1.0000	71.98
85.5	2,543,762		0.0000	1.0000	71.98
86.5	2,521,225	2,763	0.0011	0.9989	71.98
87.5	1,460,021	370	0.0003	0.9997	71.90
88.5	1,168,333		0.0000	1.0000	71.88
89.5	1,163,237		0.0000	1.0000	71.88
90.5	1,163,237		0.0000	1.0000	71.88
91.5	1,161,820	3,038	0.0026	0.9974	71.88
92.5	1,158,782		0.0000	1.0000	71.70
93.5	1,156,447		0.0000	1.0000	71.70
94.5	1,156,447		0.0000	1.0000	71.70
95.5	1,156,447		0.0000	1.0000	71.70
96.5	1,156,447		0.0000	1.0000	71.70
97.5	1,156,447		0.0000	1.0000	71.70
98.5	1,156,447		0.0000	1.0000	71.70
99.5	1,156,447	2,001	0.0017	0.9983	71.70
100.5	1,153,984		0.0000	1.0000	71.57
101.5	1,150,441		0.0000	1.0000	71.57
102.5	1,150,441	7,689	0.0067	0.9933	71.57
103.5	1,127,023		0.0000	1.0000	71.09
104.5	1,124,722	9,463	0.0084	0.9916	71.09
105.5					70.50

AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1969-2018

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	48,766,549		0.0000	1.0000	100.00
0.5	44,150,466	82,547	0.0019	0.9981	100.00
1.5	43,136,349	3,334	0.0001	0.9999	99.81
2.5	38,847,785	52,350	0.0013	0.9987	99.81
3.5	36,780,562	97,226	0.0026	0.9974	99.67
4.5	25,465,619	101,999	0.0040	0.9960	99.41
5.5	26,336,484	15,830	0.0006	0.9994	99.01
6.5	25,630,969	23,226	0.0009	0.9991	98.95
7.5	24,919,814	17,517	0.0007	0.9993	98.86
8.5	15,133,979	218,548	0.0144	0.9856	98.79
9.5	12,291,727	132,679	0.0108	0.9892	97.36
10.5	11,266,346	1,574	0.0001	0.9999	96.31
11.5	10,248,173	53,696	0.0052	0.9948	96.30
12.5	10,176,285	445	0.0000	1.0000	95.79
13.5	9,377,081	48,182	0.0051	0.9949	95.79
14.5	9,268,386	11,438	0.0012	0.9988	95.30
15.5	9,508,593	102,211	0.0107	0.9893	95.18
16.5	9,050,273	264,742	0.0293	0.9707	94.16
17.5	8,827,239	160,094	0.0181	0.9819	91.40
18.5	8,537,656	116,731	0.0137	0.9863	89.75
19.5	8,300,155	6,660	0.0008	0.9992	88.52
20.5	8,252,523	12,076	0.0015	0.9985	88.45
21.5	8,172,811	30,515	0.0037	0.9963	88.32
22.5	8,037,098	42,870	0.0053	0.9947	87.99
23.5	7,773,739	25,324	0.0033	0.9967	87.52
24.5	7,530,185	1,311	0.0002	0.9998	87.23
25.5	7,364,951	4,753	0.0006	0.9994	87.22
26.5	7,025,751	13,403	0.0019	0.9981	87.16
27.5	6,980,999	3,642	0.0005	0.9995	87.00
28.5	6,869,044	6,737	0.0010	0.9990	86.95
29.5	6,846,494	10,348	0.0015	0.9985	86.87
30.5	6,832,558	21,956	0.0032	0.9968	86.73
31.5	6,811,057	8,438	0.0012	0.9988	86.46
32.5	6,728,049	7,590	0.0011	0.9989	86.35
33.5	6,486,520	11,605	0.0018	0.9982	86.25
34.5	6,358,647	11,343	0.0018	0.9982	86.10
35.5	6,342,813	5,608	0.0009	0.9991	85.94
36.5	6,376,000	31,029	0.0049	0.9951	85.87
37.5	7,629,791	3,767	0.0005	0.9995	85.45
38.5	7,774,077	1,366	0.0002	0.9998	85.41

AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1969-2018		
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	7,775,357	12,680	0.0016	0.9984	85.39
40.5	7,653,856	6,960	0.0009	0.9991	85.25
41.5	7,629,530	1,397	0.0002	0.9998	85.18
42.5	7,591,531	722	0.0001	0.9999	85.16
43.5	7,520,336	1,718	0.0002	0.9998	85.15
44.5	7,465,404	1,307	0.0002	0.9998	85.13
45.5	7,358,474	13,858	0.0019	0.9981	85.12
46.5	7,279,339	10,229	0.0014	0.9986	84.96
47.5	7,075,100	7,749	0.0011	0.9989	84.84
48.5	7,062,289	4,510	0.0006	0.9994	84.74
49.5	7,052,545	8,759	0.0012	0.9988	84.69
50.5	6,898,260	6,574	0.0010	0.9990	84.59
51.5	6,892,709	270	0.0000	1.0000	84.50
52.5	6,879,814	44,762	0.0065	0.9935	84.50
53.5	6,801,491	10,560	0.0016	0.9984	83.95
54.5	6,759,103	10,044	0.0015	0.9985	83.82
55.5	4,001,787	8,654	0.0022	0.9978	83.70
56.5	3,981,320	65,776	0.0165	0.9835	83.52
57.5	3,850,937	1,467	0.0004	0.9996	82.14
58.5	3,843,382	7,802	0.0020	0.9980	82.10
59.5	3,829,422	48,490	0.0127	0.9873	81.94
60.5	3,727,618	42,626	0.0114	0.9886	80.90
61.5	3,666,248	322	0.0001	0.9999	79.98
62.5	3,638,008	1,608	0.0004	0.9996	79.97
63.5	3,601,849	2,394	0.0007	0.9993	79.93
64.5	3,562,724	2,239	0.0006	0.9994	79.88
65.5	3,302,883	767	0.0002	0.9998	79.83
66.5	3,082,441	44	0.0000	1.0000	79.81
67.5	3,009,978		0.0000	1.0000	79.81
68.5	2,999,762	25,536	0.0085	0.9915	79.81
69.5	2,965,506	1,047	0.0004	0.9996	79.13
70.5	2,953,079	17,794	0.0060	0.9940	79.10
71.5	2,935,285	98	0.0000	1.0000	78.63
72.5	2,935,187	42,961	0.0146	0.9854	78.62
73.5	2,889,271	41	0.0000	1.0000	77.47
74.5	2,808,758	1,288	0.0005	0.9995	77.47
75.5	2,804,516	4,108	0.0015	0.9985	77.44
76.5	2,800,409	391	0.0001	0.9999	77.32
77.5	2,798,036	5,154	0.0018	0.9982	77.31
78.5	2,788,540	44,826	0.0161	0.9839	77.17

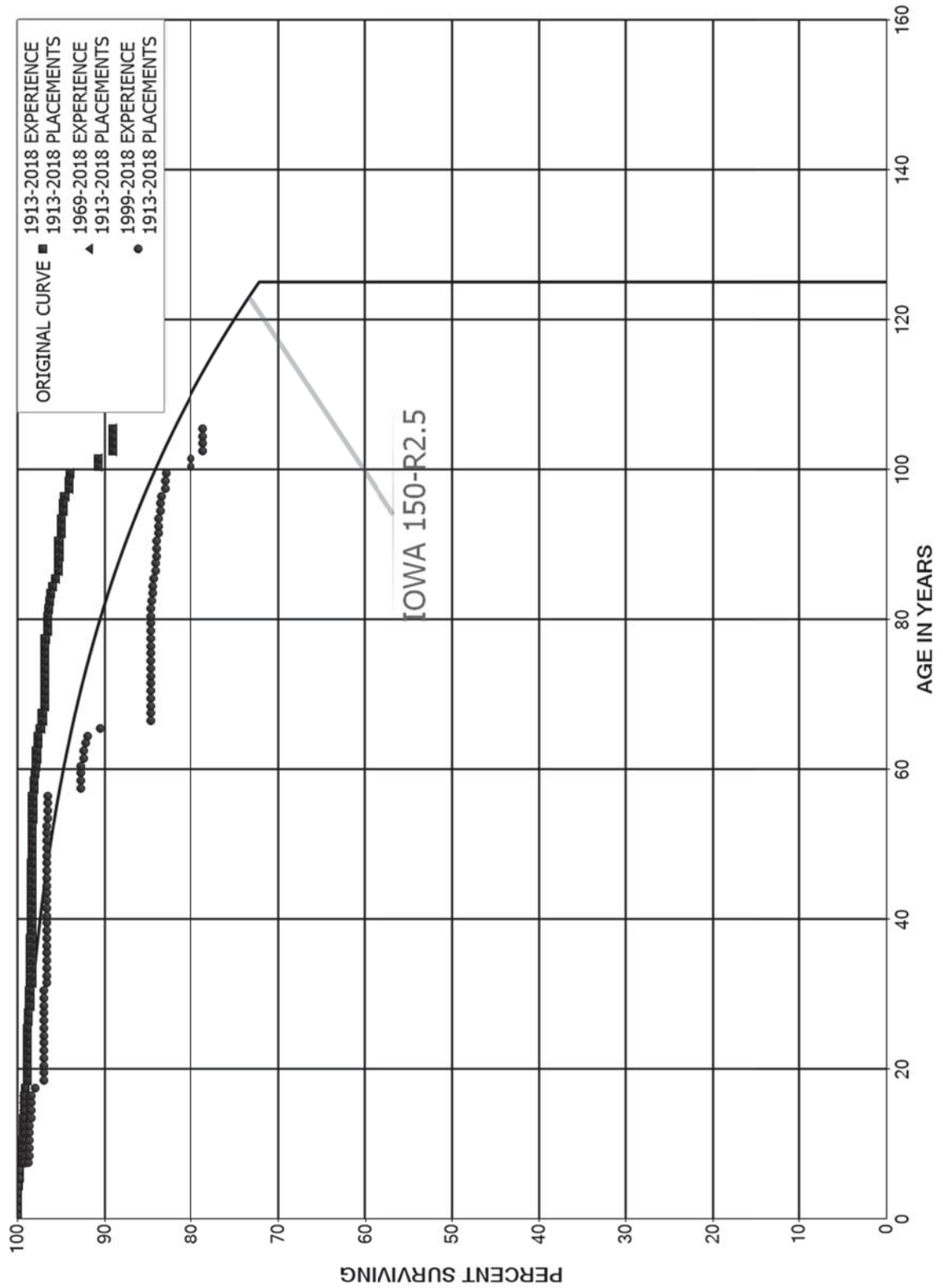
AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1969-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	2,742,359	1,445	0.0005	0.9995	75.93
80.5	2,739,675	29,812	0.0109	0.9891	75.89
81.5	2,707,000	141,265	0.0522	0.9478	75.06
82.5	2,565,645	5,032	0.0020	0.9980	71.15
83.5	2,558,727	16,858	0.0066	0.9934	71.01
84.5	2,543,762		0.0000	1.0000	70.54
85.5	2,543,762		0.0000	1.0000	70.54
86.5	2,521,225	2,763	0.0011	0.9989	70.54
87.5	1,460,021	370	0.0003	0.9997	70.46
88.5	1,168,333		0.0000	1.0000	70.44
89.5	1,163,237		0.0000	1.0000	70.44
90.5	1,163,237		0.0000	1.0000	70.44
91.5	1,161,820	3,038	0.0026	0.9974	70.44
92.5	1,158,782		0.0000	1.0000	70.26
93.5	1,156,447		0.0000	1.0000	70.26
94.5	1,156,447		0.0000	1.0000	70.26
95.5	1,156,447		0.0000	1.0000	70.26
96.5	1,156,447		0.0000	1.0000	70.26
97.5	1,156,447		0.0000	1.0000	70.26
98.5	1,156,447		0.0000	1.0000	70.26
99.5	1,156,447	2,001	0.0017	0.9983	70.26
100.5	1,153,984		0.0000	1.0000	70.14
101.5	1,150,441		0.0000	1.0000	70.14
102.5	1,150,441	7,689	0.0067	0.9933	70.14
103.5	1,127,023		0.0000	1.0000	69.67
104.5	1,124,722	9,463	0.0084	0.9916	69.67
105.5					69.08

AMEREN MISSOURI
 ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018		
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	137,210,191	18,611	0.0001	0.9999	100.00
0.5	81,294,541	6,356	0.0001	0.9999	99.99
1.5	81,061,215	3,655	0.0000	1.0000	99.98
2.5	79,819,957	25,674	0.0003	0.9997	99.97
3.5	79,871,411	68,298	0.0009	0.9991	99.94
4.5	78,865,162	61,957	0.0008	0.9992	99.86
5.5	78,273,589	11,120	0.0001	0.9999	99.78
6.5	77,021,577	245,641	0.0032	0.9968	99.76
7.5	76,587,686	70,610	0.0009	0.9991	99.45
8.5	75,677,214	2,954	0.0000	1.0000	99.35
9.5	68,743,639	3,838	0.0001	0.9999	99.35
10.5	63,900,970	7,534	0.0001	0.9999	99.34
11.5	63,320,794	14,446	0.0002	0.9998	99.33
12.5	61,194,991	24,375	0.0004	0.9996	99.31
13.5	59,343,045	33,354	0.0006	0.9994	99.27
14.5	58,446,411	2,699	0.0000	1.0000	99.21
15.5	58,337,637	8,381	0.0001	0.9999	99.21
16.5	58,325,055	66,297	0.0011	0.9989	99.20
17.5	58,237,192	149,273	0.0026	0.9974	99.08
18.5	58,078,486	554	0.0000	1.0000	98.83
19.5	58,209,429	224	0.0000	1.0000	98.83
20.5	58,175,507		0.0000	1.0000	98.83
21.5	58,111,676	249	0.0000	1.0000	98.83
22.5	57,963,775		0.0000	1.0000	98.83
23.5	57,698,918		0.0000	1.0000	98.83
24.5	57,211,570	2,213	0.0000	1.0000	98.83
25.5	57,163,201	46,215	0.0008	0.9992	98.82
26.5	54,984,127	167	0.0000	1.0000	98.74
27.5	54,823,652	55,238	0.0010	0.9990	98.74
28.5	54,450,887	465	0.0000	1.0000	98.64
29.5	53,472,145	1,637	0.0000	1.0000	98.64
30.5	53,337,948	71,473	0.0013	0.9987	98.64
31.5	52,320,913	830	0.0000	1.0000	98.51
32.5	52,307,652	10,491	0.0002	0.9998	98.51
33.5	52,334,352	17,206	0.0003	0.9997	98.49
34.5	52,300,468	1,736	0.0000	1.0000	98.45
35.5	52,293,764		0.0000	1.0000	98.45
36.5	42,738,159		0.0000	1.0000	98.45
37.5	42,723,996	2,199	0.0001	0.9999	98.45
38.5	42,314,028	9,970	0.0002	0.9998	98.45

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018			
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	42,247,199	459	0.0000	1.0000	98.42	
40.5	42,038,067	6,521	0.0002	0.9998	98.42	
41.5	41,831,355	1,222	0.0000	1.0000	98.41	
42.5	41,825,812		0.0000	1.0000	98.40	
43.5	41,820,363	2,149	0.0001	0.9999	98.40	
44.5	41,788,402	3,120	0.0001	0.9999	98.40	
45.5	41,782,774		0.0000	1.0000	98.39	
46.5	41,755,167	13,202	0.0003	0.9997	98.39	
47.5	41,597,959	14,951	0.0004	0.9996	98.36	
48.5	41,213,009		0.0000	1.0000	98.32	
49.5	40,622,528		0.0000	1.0000	98.32	
50.5	26,754,501	5,953	0.0002	0.9998	98.32	
51.5	26,523,686	1,768	0.0001	0.9999	98.30	
52.5	26,527,292	5,763	0.0002	0.9998	98.30	
53.5	26,508,146	105	0.0000	1.0000	98.27	
54.5	26,110,130	5,120	0.0002	0.9998	98.27	
55.5	20,003,403		0.0000	1.0000	98.26	
56.5	19,985,437	32,264	0.0016	0.9984	98.26	
57.5	19,973,508	8,544	0.0004	0.9996	98.10	
58.5	19,959,258	23,812	0.0012	0.9988	98.05	
59.5	19,914,423	22,213	0.0011	0.9989	97.94	
60.5	19,901,018	2,856	0.0001	0.9999	97.83	
61.5	19,880,280		0.0000	1.0000	97.81	
62.5	19,878,645	35,802	0.0018	0.9982	97.81	
63.5	19,831,199	1,299	0.0001	0.9999	97.64	
64.5	19,816,219	54,525	0.0028	0.9972	97.63	
65.5	19,746,366	44,417	0.0022	0.9978	97.36	
66.5	19,674,083		0.0000	1.0000	97.14	
67.5	19,362,571	55,385	0.0029	0.9971	97.14	
68.5	19,225,472		0.0000	1.0000	96.87	
69.5	19,177,781		0.0000	1.0000	96.87	
70.5	19,174,972		0.0000	1.0000	96.87	
71.5	19,172,095	251	0.0000	1.0000	96.87	
72.5	19,168,841	352	0.0000	1.0000	96.87	
73.5	19,158,857	5,094	0.0003	0.9997	96.86	
74.5	19,153,645		0.0000	1.0000	96.84	
75.5	19,153,418		0.0000	1.0000	96.84	
76.5	19,153,418	9,987	0.0005	0.9995	96.84	
77.5	19,143,431	55,120	0.0029	0.9971	96.79	
78.5	18,942,949	751	0.0000	1.0000	96.51	

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	18,937,804		0.0000	1.0000	96.50
80.5	18,930,359	14,532	0.0008	0.9992	96.50
81.5	18,945,050	25,488	0.0013	0.9987	96.43
82.5	18,887,302	19,293	0.0010	0.9990	96.30
83.5	18,865,819	51,546	0.0027	0.9973	96.20
84.5	18,818,381	66,423	0.0035	0.9965	95.94
85.5	18,750,655	59,167	0.0032	0.9968	95.60
86.5	18,689,566		0.0000	1.0000	95.30
87.5	16,882,281	9,632	0.0006	0.9994	95.30
88.5	4,897,455		0.0000	1.0000	95.24
89.5	4,606,648		0.0000	1.0000	95.24
90.5	4,602,151	11,482	0.0025	0.9975	95.24
91.5	4,515,336		0.0000	1.0000	95.01
92.5	4,479,835	530	0.0001	0.9999	95.01
93.5	4,449,580	11,482	0.0026	0.9974	95.00
94.5	4,430,472	1,131	0.0003	0.9997	94.75
95.5	4,406,448	6,477	0.0015	0.9985	94.73
96.5	4,386,000	22,964	0.0052	0.9948	94.59
97.5	4,363,036		0.0000	1.0000	94.09
98.5	4,369,145	6,495	0.0015	0.9985	94.09
99.5	4,362,650	151,185	0.0347	0.9653	93.95
100.5	4,206,551		0.0000	1.0000	90.70
101.5	4,202,077	73,379	0.0175	0.9825	90.70
102.5	4,114,209	1,096	0.0003	0.9997	89.11
103.5	4,113,113		0.0000	1.0000	89.09
104.5	4,018,842		0.0000	1.0000	89.09
105.5					89.09

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1969-2018

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	95,029,457		0.0000	1.0000	100.00
0.5	39,143,962		0.0000	1.0000	100.00
1.5	39,145,387	48	0.0000	1.0000	100.00
2.5	37,918,900	1	0.0000	1.0000	100.00
3.5	38,369,320	68,051	0.0018	0.9982	100.00
4.5	38,424,939	54,595	0.0014	0.9986	99.82
5.5	57,994,534		0.0000	1.0000	99.68
6.5	56,771,784	222,065	0.0039	0.9961	99.68
7.5	56,379,405	52,010	0.0009	0.9991	99.29
8.5	55,538,687	2,420	0.0000	1.0000	99.20
9.5	48,620,573		0.0000	1.0000	99.19
10.5	43,783,399		0.0000	1.0000	99.19
11.5	43,247,666		0.0000	1.0000	99.19
12.5	41,137,944	19,239	0.0005	0.9995	99.19
13.5	39,319,576	3,319	0.0001	0.9999	99.15
14.5	38,466,658	1,048	0.0000	1.0000	99.14
15.5	38,380,837	3,656	0.0001	0.9999	99.14
16.5	38,415,284	65,289	0.0017	0.9983	99.13
17.5	38,643,715	149,273	0.0039	0.9961	98.96
18.5	38,568,414		0.0000	1.0000	98.58
19.5	38,740,539	117	0.0000	1.0000	98.58
20.5	38,706,724		0.0000	1.0000	98.58
21.5	38,647,934		0.0000	1.0000	98.58
22.5	38,503,403		0.0000	1.0000	98.58
23.5	38,238,545		0.0000	1.0000	98.58
24.5	37,752,898	2,140	0.0001	0.9999	98.58
25.5	37,707,843	45,915	0.0012	0.9988	98.57
26.5	35,530,229		0.0000	1.0000	98.45
27.5	35,373,656	55,238	0.0016	0.9984	98.45
28.5	35,146,605		0.0000	1.0000	98.30
29.5	34,171,286		0.0000	1.0000	98.30
30.5	34,041,362	71,240	0.0021	0.9979	98.30
31.5	33,025,684		0.0000	1.0000	98.09
32.5	33,047,583	8,946	0.0003	0.9997	98.09
33.5	33,078,243	182	0.0000	1.0000	98.07
34.5	33,061,383		0.0000	1.0000	98.06
35.5	33,057,718		0.0000	1.0000	98.06
36.5	23,504,037		0.0000	1.0000	98.06
37.5	25,304,773	0	0.0000	1.0000	98.06
38.5	36,924,974	3,126	0.0001	0.9999	98.06

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1969-2018		
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	37,158,799		0.0000	1.0000	98.06
40.5	36,964,255	3,287	0.0001	0.9999	98.06
41.5	36,814,613		0.0000	1.0000	98.05
42.5	36,845,793		0.0000	1.0000	98.05
43.5	36,870,069	1,293	0.0000	1.0000	98.05
44.5	36,846,590	3,120	0.0001	0.9999	98.04
45.5	36,863,854		0.0000	1.0000	98.04
46.5	36,855,426		0.0000	1.0000	98.04
47.5	36,716,229		0.0000	1.0000	98.04
48.5	36,359,624		0.0000	1.0000	98.04
49.5	35,769,143		0.0000	1.0000	98.04
50.5	21,907,161		0.0000	1.0000	98.04
51.5	21,704,263	1,582	0.0001	0.9999	98.04
52.5	21,722,545	5,763	0.0003	0.9997	98.03
53.5	21,703,399	105	0.0000	1.0000	98.00
54.5	21,485,314	2,143	0.0001	0.9999	98.00
55.5	20,003,403		0.0000	1.0000	97.99
56.5	19,985,437	32,264	0.0016	0.9984	97.99
57.5	19,973,508	8,544	0.0004	0.9996	97.83
58.5	19,959,258	23,812	0.0012	0.9988	97.79
59.5	19,914,423	22,213	0.0011	0.9989	97.68
60.5	19,901,018	2,856	0.0001	0.9999	97.57
61.5	19,880,280		0.0000	1.0000	97.55
62.5	19,878,645	35,802	0.0018	0.9982	97.55
63.5	19,831,199	1,299	0.0001	0.9999	97.38
64.5	19,816,219	54,525	0.0028	0.9972	97.37
65.5	19,746,366	44,417	0.0022	0.9978	97.10
66.5	19,674,083		0.0000	1.0000	96.88
67.5	19,362,571	55,385	0.0029	0.9971	96.88
68.5	19,225,472		0.0000	1.0000	96.61
69.5	19,177,781		0.0000	1.0000	96.61
70.5	19,174,972		0.0000	1.0000	96.61
71.5	19,172,095	251	0.0000	1.0000	96.61
72.5	19,168,841	352	0.0000	1.0000	96.61
73.5	19,158,857	5,094	0.0003	0.9997	96.60
74.5	19,153,645		0.0000	1.0000	96.58
75.5	19,153,418		0.0000	1.0000	96.58
76.5	19,153,418	9,987	0.0005	0.9995	96.58
77.5	19,143,431	55,120	0.0029	0.9971	96.53
78.5	18,942,949	751	0.0000	1.0000	96.25

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1969-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	18,937,804		0.0000	1.0000	96.25
80.5	18,930,359	14,532	0.0008	0.9992	96.25
81.5	18,945,050	25,488	0.0013	0.9987	96.17
82.5	18,887,302	19,293	0.0010	0.9990	96.04
83.5	18,865,819	51,546	0.0027	0.9973	95.95
84.5	18,818,381	66,423	0.0035	0.9965	95.68
85.5	18,750,655	59,167	0.0032	0.9968	95.35
86.5	18,689,566		0.0000	1.0000	95.04
87.5	16,882,281	9,632	0.0006	0.9994	95.04
88.5	4,897,455		0.0000	1.0000	94.99
89.5	4,606,648		0.0000	1.0000	94.99
90.5	4,602,151	11,482	0.0025	0.9975	94.99
91.5	4,515,336		0.0000	1.0000	94.75
92.5	4,479,835	530	0.0001	0.9999	94.75
93.5	4,449,580	11,482	0.0026	0.9974	94.74
94.5	4,430,472	1,131	0.0003	0.9997	94.50
95.5	4,406,448	6,477	0.0015	0.9985	94.47
96.5	4,386,000	22,964	0.0052	0.9948	94.33
97.5	4,363,036		0.0000	1.0000	93.84
98.5	4,369,145	6,495	0.0015	0.9985	93.84
99.5	4,362,650	151,185	0.0347	0.9653	93.70
100.5	4,206,551		0.0000	1.0000	90.45
101.5	4,202,077	73,379	0.0175	0.9825	90.45
102.5	4,114,209	1,096	0.0003	0.9997	88.87
103.5	4,113,113		0.0000	1.0000	88.85
104.5	4,018,842		0.0000	1.0000	88.85
105.5					88.85

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1999-2018		
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	78,479,991		0.0000	1.0000	100.00
0.5	22,614,917		0.0000	1.0000	100.00
1.5	22,502,129	48	0.0000	1.0000	100.00
2.5	21,378,960	1	0.0000	1.0000	100.00
3.5	21,793,356	7,688	0.0004	0.9996	100.00
4.5	21,428,139	54,595	0.0025	0.9975	99.96
5.5	20,858,600		0.0000	1.0000	99.71
6.5	21,841,774	222,065	0.0102	0.9898	99.71
7.5	21,561,809	24,455	0.0011	0.9989	98.70
8.5	21,018,686	2,420	0.0001	0.9999	98.58
9.5	15,050,638		0.0000	1.0000	98.57
10.5	10,354,969		0.0000	1.0000	98.57
11.5	10,781,307		0.0000	1.0000	98.57
12.5	8,669,950	19,239	0.0022	0.9978	98.57
13.5	6,825,488		0.0000	1.0000	98.35
14.5	5,975,354		0.0000	1.0000	98.35
15.5	5,870,419		0.0000	1.0000	98.35
16.5	15,334,791	65,289	0.0043	0.9957	98.35
17.5	15,247,936	149,273	0.0098	0.9902	97.94
18.5	15,493,166		0.0000	1.0000	96.98
19.5	15,666,344		0.0000	1.0000	96.98
20.5	15,832,535		0.0000	1.0000	96.98
21.5	15,968,894		0.0000	1.0000	96.98
22.5	15,829,426		0.0000	1.0000	96.98
23.5	15,570,016		0.0000	1.0000	96.98
24.5	15,114,528	2,140	0.0001	0.9999	96.98
25.5	15,066,807		0.0000	1.0000	96.96
26.5	12,950,678		0.0000	1.0000	96.96
27.5	12,841,835		0.0000	1.0000	96.96
28.5	12,552,524		0.0000	1.0000	96.96
29.5	11,586,678		0.0000	1.0000	96.96
30.5	11,465,662	44,465	0.0039	0.9961	96.96
31.5	10,704,030		0.0000	1.0000	96.59
32.5	10,702,764		0.0000	1.0000	96.59
33.5	11,087,720	182	0.0000	1.0000	96.59
34.5	12,096,433		0.0000	1.0000	96.59
35.5	32,185,129		0.0000	1.0000	96.59
36.5	22,647,665		0.0000	1.0000	96.59
37.5	22,642,493	0	0.0000	1.0000	96.59
38.5	22,285,879		0.0000	1.0000	96.59

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1999-2018		
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	22,243,946		0.0000	1.0000	96.59
40.5	22,036,930		0.0000	1.0000	96.59
41.5	21,867,235		0.0000	1.0000	96.59
42.5	21,864,549		0.0000	1.0000	96.59
43.5	21,873,191	1,293	0.0001	0.9999	96.59
44.5	21,855,767		0.0000	1.0000	96.58
45.5	21,874,560		0.0000	1.0000	96.58
46.5	21,889,259		0.0000	1.0000	96.58
47.5	22,060,538		0.0000	1.0000	96.58
48.5	21,773,943		0.0000	1.0000	96.58
49.5	21,224,091		0.0000	1.0000	96.58
50.5	7,356,064		0.0000	1.0000	96.58
51.5	7,136,243		0.0000	1.0000	96.58
52.5	7,141,617	2,749	0.0004	0.9996	96.58
53.5	7,125,486		0.0000	1.0000	96.54
54.5	6,727,694		0.0000	1.0000	96.54
55.5	626,313		0.0000	1.0000	96.54
56.5	609,402	24,203	0.0397	0.9603	96.54
57.5	607,126		0.0000	1.0000	92.71
58.5	747,134		0.0000	1.0000	92.71
59.5	729,069		0.0000	1.0000	92.71
60.5	740,513	2,856	0.0039	0.9961	92.71
61.5	720,899		0.0000	1.0000	92.35
62.5	753,593	1,572	0.0021	0.9979	92.35
63.5	742,793	1,299	0.0017	0.9983	92.16
64.5	727,813	11,808	0.0162	0.9838	92.00
65.5	701,980	44,417	0.0633	0.9367	90.50
66.5	631,621		0.0000	1.0000	84.78
67.5	2,135,009		0.0000	1.0000	84.78
68.5	14,081,264		0.0000	1.0000	84.78
69.5	14,327,383		0.0000	1.0000	84.78
70.5	14,338,703		0.0000	1.0000	84.78
71.5	14,389,661	251	0.0000	1.0000	84.78
72.5	14,421,909	352	0.0000	1.0000	84.78
73.5	14,441,650	2,958	0.0002	0.9998	84.77
74.5	14,446,199		0.0000	1.0000	84.76
75.5	14,468,865		0.0000	1.0000	84.76
76.5	14,488,044		0.0000	1.0000	84.76
77.5	14,492,853		0.0000	1.0000	84.76
78.5	14,360,885	751	0.0001	0.9999	84.76

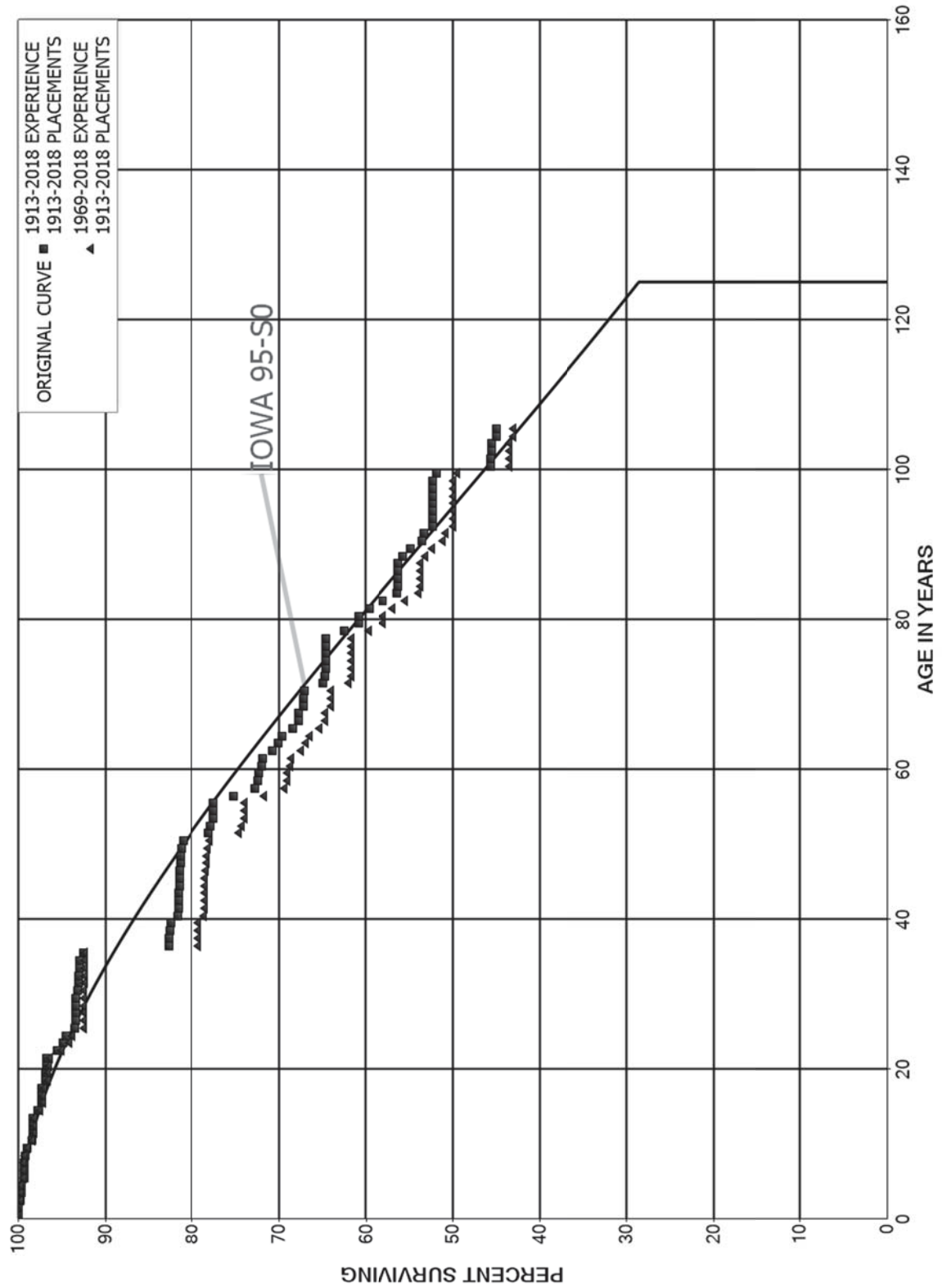
AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1999-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	14,355,740		0.0000	1.0000	84.75
80.5	14,354,340	1	0.0000	1.0000	84.75
81.5	14,405,527	25,488	0.0018	0.9982	84.75
82.5	14,362,268	17,196	0.0012	0.9988	84.60
83.5	14,342,882	814	0.0001	0.9999	84.50
84.5	14,521,912	17,772	0.0012	0.9988	84.50
85.5	18,750,655	59,167	0.0032	0.9968	84.39
86.5	18,689,566		0.0000	1.0000	84.13
87.5	16,882,281	9,632	0.0006	0.9994	84.13
88.5	4,897,455		0.0000	1.0000	84.08
89.5	4,606,648		0.0000	1.0000	84.08
90.5	4,602,151	11,482	0.0025	0.9975	84.08
91.5	4,515,336		0.0000	1.0000	83.87
92.5	4,479,835	530	0.0001	0.9999	83.87
93.5	4,449,580	11,482	0.0026	0.9974	83.86
94.5	4,430,472	1,131	0.0003	0.9997	83.64
95.5	4,406,448	6,477	0.0015	0.9985	83.62
96.5	4,386,000	22,964	0.0052	0.9948	83.50
97.5	4,363,036		0.0000	1.0000	83.06
98.5	4,369,145	6,495	0.0015	0.9985	83.06
99.5	4,362,650	151,185	0.0347	0.9653	82.94
100.5	4,206,551		0.0000	1.0000	80.06
101.5	4,202,077	73,379	0.0175	0.9825	80.06
102.5	4,114,209	1,096	0.0003	0.9997	78.67
103.5	4,113,113		0.0000	1.0000	78.64
104.5	4,018,842		0.0000	1.0000	78.64
105.5					78.64

AMEREN MISSOURI
 ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



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ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1913-2018

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	281,776,337	82	0.0000	1.0000	100.00
0.5	279,667,429	125	0.0000	1.0000	100.00
1.5	277,036,091	830,815	0.0030	0.9970	100.00
2.5	257,547,182	101,357	0.0004	0.9996	99.70
3.5	243,963,221	37,194	0.0002	0.9998	99.66
4.5	244,851,293	772,113	0.0032	0.9968	99.65
5.5	242,678,508	5,093	0.0000	1.0000	99.33
6.5	200,231,091	9,812	0.0000	1.0000	99.33
7.5	198,766,766	196,175	0.0010	0.9990	99.32
8.5	174,476,127	457,082	0.0026	0.9974	99.23
9.5	136,755,257	779,756	0.0057	0.9943	98.97
10.5	120,852,890	139,923	0.0012	0.9988	98.40
11.5	118,451,892		0.0000	1.0000	98.29
12.5	118,056,670	183	0.0000	1.0000	98.29
13.5	111,994,144	698,812	0.0062	0.9938	98.29
14.5	110,589,716	384,951	0.0035	0.9965	97.67
15.5	103,745,923	7,659	0.0001	0.9999	97.33
16.5	76,001,949	39,163	0.0005	0.9995	97.33
17.5	66,996,863	273,953	0.0041	0.9959	97.28
18.5	66,434,426	36,642	0.0006	0.9994	96.88
19.5	46,527,912	27,791	0.0006	0.9994	96.83
20.5	46,471,874	36,255	0.0008	0.9992	96.77
21.5	45,681,956	543,727	0.0119	0.9881	96.69
22.5	45,126,138	318,748	0.0071	0.9929	95.54
23.5	43,350,519	151,805	0.0035	0.9965	94.87
24.5	38,904,507	427,312	0.0110	0.9890	94.53
25.5	33,463,792	26,087	0.0008	0.9992	93.50
26.5	30,538,635	4,442	0.0001	0.9999	93.42
27.5	30,276,984		0.0000	1.0000	93.41
28.5	30,252,437		0.0000	1.0000	93.41
29.5	30,265,720	77,220	0.0026	0.9974	93.41
30.5	30,188,500	29,504	0.0010	0.9990	93.17
31.5	30,187,030	108	0.0000	1.0000	93.08
32.5	30,199,353	54,811	0.0018	0.9982	93.08
33.5	30,093,875	763	0.0000	1.0000	92.91
34.5	29,845,646	119,612	0.0040	0.9960	92.91
35.5	29,708,084	3,134,123	0.1055	0.8945	92.54
36.5	26,577,683	6,032	0.0002	0.9998	82.77
37.5	26,585,814	56,161	0.0021	0.9979	82.76
38.5	26,515,715	21,530	0.0008	0.9992	82.58

AMEREN MISSOURI

ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018		
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	26,511,328	249,267	0.0094	0.9906	82.51
40.5	26,270,846	43,688	0.0017	0.9983	81.74
41.5	26,227,158	2,938	0.0001	0.9999	81.60
42.5	26,220,359	1,951	0.0001	0.9999	81.59
43.5	26,233,330	11,468	0.0004	0.9996	81.59
44.5	26,218,170	1,426	0.0001	0.9999	81.55
45.5	26,214,649	18,529	0.0007	0.9993	81.55
46.5	26,202,928	45,693	0.0017	0.9983	81.49
47.5	25,164,960	682	0.0000	1.0000	81.35
48.5	25,226,480	3,332	0.0001	0.9999	81.34
49.5	24,633,037	66,086	0.0027	0.9973	81.33
50.5	24,469,625	934,098	0.0382	0.9618	81.12
51.5	23,531,994	68,079	0.0029	0.9971	78.02
52.5	23,463,915	100,764	0.0043	0.9957	77.79
53.5	23,341,895		0.0000	1.0000	77.46
54.5	23,239,722		0.0000	1.0000	77.46
55.5	11,722,493	350,280	0.0299	0.9701	77.46
56.5	11,370,212	372,755	0.0328	0.9672	75.14
57.5	11,003,733	49,212	0.0045	0.9955	72.68
58.5	10,941,066	12,081	0.0011	0.9989	72.36
59.5	10,953,801	43,728	0.0040	0.9960	72.28
60.5	10,883,689	23,467	0.0022	0.9978	71.99
61.5	10,848,705	170,340	0.0157	0.9843	71.83
62.5	10,678,365	98,005	0.0092	0.9908	70.70
63.5	10,576,955	69,133	0.0065	0.9935	70.06
64.5	10,465,462	174,918	0.0167	0.9833	69.60
65.5	9,427,409	96,991	0.0103	0.9897	68.43
66.5	8,184,796		0.0000	1.0000	67.73
67.5	8,004,000	71,984	0.0090	0.9910	67.73
68.5	7,931,897		0.0000	1.0000	67.12
69.5	7,931,671	6,190	0.0008	0.9992	67.12
70.5	7,760,992	249,283	0.0321	0.9679	67.07
71.5	7,309,482	26,721	0.0037	0.9963	64.91
72.5	7,280,687	1,995	0.0003	0.9997	64.68
73.5	7,288,324		0.0000	1.0000	64.66
74.5	7,283,275		0.0000	1.0000	64.66
75.5	7,165,816		0.0000	1.0000	64.66
76.5	7,081,046	6,190	0.0009	0.9991	64.66
77.5	7,073,514	224,925	0.0318	0.9682	64.60
78.5	6,846,903	191,787	0.0280	0.9720	62.55

AMEREN MISSOURI

ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	6,652,349		0.0000	1.0000	60.80
80.5	6,657,158	124,688	0.0187	0.9813	60.80
81.5	6,502,872	170,018	0.0261	0.9739	59.66
82.5	6,330,784	181,159	0.0286	0.9714	58.10
83.5	6,147,687	18,446	0.0030	0.9970	56.44
84.5	6,119,608	32	0.0000	1.0000	56.27
85.5	6,119,577		0.0000	1.0000	56.27
86.5	6,113,012		0.0000	1.0000	56.27
87.5	3,820,015	37,758	0.0099	0.9901	56.27
88.5	3,081,819	46,887	0.0152	0.9848	55.71
89.5	3,031,929	74,050	0.0244	0.9756	54.86
90.5	2,957,879	14,776	0.0050	0.9950	53.52
91.5	2,943,104	53,898	0.0183	0.9817	53.26
92.5	2,889,206		0.0000	1.0000	52.28
93.5	2,889,206		0.0000	1.0000	52.28
94.5	2,889,206		0.0000	1.0000	52.28
95.5	2,889,206		0.0000	1.0000	52.28
96.5	2,884,337		0.0000	1.0000	52.28
97.5	2,879,528		0.0000	1.0000	52.28
98.5	2,860,025	23,761	0.0083	0.9917	52.28
99.5	2,836,264	343,510	0.1211	0.8789	51.85
100.5	2,492,754		0.0000	1.0000	45.57
101.5	2,653,251	4,170	0.0016	0.9984	45.57
102.5	2,649,081		0.0000	1.0000	45.49
103.5	2,649,081	29,600	0.0112	0.9888	45.49
104.5	2,619,480		0.0000	1.0000	44.99
105.5					44.99

AMEREN MISSOURI

ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1969-2018			
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	251,867,614	6	0.0000	1.0000	100.00	
0.5	249,801,335	4	0.0000	1.0000	100.00	
1.5	247,170,117	830,354	0.0034	0.9966	100.00	
2.5	227,684,883	101,357	0.0004	0.9996	99.66	
3.5	214,103,528	37,194	0.0002	0.9998	99.62	
4.5	215,098,556	772,113	0.0036	0.9964	99.60	
5.5	230,235,495	4,864	0.0000	1.0000	99.24	
6.5	187,790,308	9,745	0.0001	0.9999	99.24	
7.5	186,326,050	196,175	0.0011	0.9989	99.24	
8.5	162,035,411	453,234	0.0028	0.9972	99.13	
9.5	124,318,986	779,720	0.0063	0.9937	98.86	
10.5	108,417,651	139,923	0.0013	0.9987	98.24	
11.5	106,018,494		0.0000	1.0000	98.11	
12.5	105,625,367		0.0000	1.0000	98.11	
13.5	99,566,504	698,812	0.0070	0.9930	98.11	
14.5	98,198,922	374,555	0.0038	0.9962	97.42	
15.5	92,965,674	7,659	0.0001	0.9999	97.05	
16.5	66,713,972	39,163	0.0006	0.9994	97.04	
17.5	57,951,451	273,953	0.0047	0.9953	96.98	
18.5	57,389,014	36,642	0.0006	0.9994	96.53	
19.5	37,483,555	27,791	0.0007	0.9993	96.46	
20.5	37,677,698	36,255	0.0010	0.9990	96.39	
21.5	37,493,358	535,065	0.0143	0.9857	96.30	
22.5	36,946,203	318,701	0.0086	0.9914	94.93	
23.5	35,171,313	151,805	0.0043	0.9957	94.11	
24.5	30,732,345	417,396	0.0136	0.9864	93.70	
25.5	25,420,433	12,455	0.0005	0.9995	92.43	
26.5	22,664,606	4,442	0.0002	0.9998	92.38	
27.5	22,413,900		0.0000	1.0000	92.36	
28.5	22,391,038		0.0000	1.0000	92.36	
29.5	22,411,483	2,159	0.0001	0.9999	92.36	
30.5	22,409,324	18,906	0.0008	0.9992	92.36	
31.5	22,419,878		0.0000	1.0000	92.28	
32.5	22,434,902		0.0000	1.0000	92.28	
33.5	22,385,964	763	0.0000	1.0000	92.28	
34.5	22,137,736		0.0000	1.0000	92.27	
35.5	22,119,786	3,134,123	0.1417	0.8583	92.27	
36.5	19,008,405	3,332	0.0002	0.9998	79.20	
37.5	22,209,828		0.0000	1.0000	79.19	
38.5	23,147,350	11,146	0.0005	0.9995	79.19	

AMEREN MISSOURI

ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1969-2018		
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	23,153,347	174,497	0.0075	0.9925	79.15
40.5	22,987,635	43,688	0.0019	0.9981	78.55
41.5	22,943,947		0.0000	1.0000	78.40
42.5	22,940,086	1,951	0.0001	0.9999	78.40
43.5	22,953,057	11,387	0.0005	0.9995	78.40
44.5	22,937,978	1,426	0.0001	0.9999	78.36
45.5	22,934,457	18,225	0.0008	0.9992	78.35
46.5	22,923,515	45,693	0.0020	0.9980	78.29
47.5	21,885,547	682	0.0000	1.0000	78.13
48.5	21,947,067	3,332	0.0002	0.9998	78.13
49.5	21,353,624	66,086	0.0031	0.9969	78.12
50.5	21,190,212	926,605	0.0437	0.9563	77.88
51.5	20,260,074	68,079	0.0034	0.9966	74.47
52.5	20,191,995	100,764	0.0050	0.9950	74.22
53.5	20,069,975		0.0000	1.0000	73.85
54.5	19,967,802		0.0000	1.0000	73.85
55.5	11,722,493	350,280	0.0299	0.9701	73.85
56.5	11,370,212	372,755	0.0328	0.9672	71.64
57.5	11,003,733	49,212	0.0045	0.9955	69.30
58.5	10,941,066	12,081	0.0011	0.9989	68.99
59.5	10,953,801	43,728	0.0040	0.9960	68.91
60.5	10,883,689	23,467	0.0022	0.9978	68.63
61.5	10,848,705	170,340	0.0157	0.9843	68.49
62.5	10,678,365	98,005	0.0092	0.9908	67.41
63.5	10,576,955	69,133	0.0065	0.9935	66.79
64.5	10,465,462	174,918	0.0167	0.9833	66.36
65.5	9,427,409	96,991	0.0103	0.9897	65.25
66.5	8,184,796		0.0000	1.0000	64.58
67.5	8,004,000	71,984	0.0090	0.9910	64.58
68.5	7,931,897		0.0000	1.0000	64.00
69.5	7,931,671	6,190	0.0008	0.9992	64.00
70.5	7,760,992	249,283	0.0321	0.9679	63.95
71.5	7,309,482	26,721	0.0037	0.9963	61.89
72.5	7,280,687	1,995	0.0003	0.9997	61.66
73.5	7,288,324		0.0000	1.0000	61.65
74.5	7,283,275		0.0000	1.0000	61.65
75.5	7,165,816		0.0000	1.0000	61.65
76.5	7,081,046	6,190	0.0009	0.9991	61.65
77.5	7,073,514	224,925	0.0318	0.9682	61.59
78.5	6,846,903	191,787	0.0280	0.9720	59.64

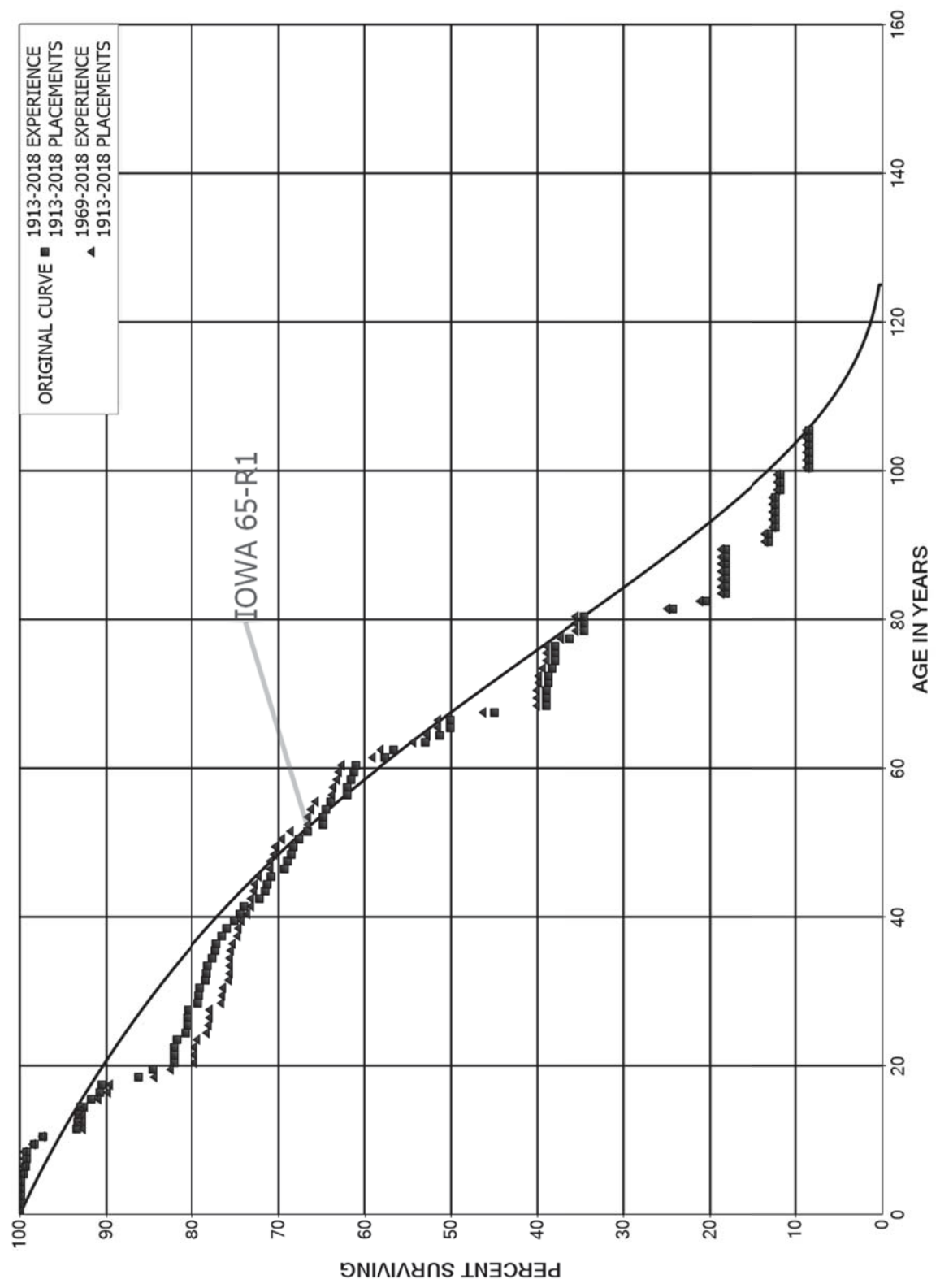
AMEREN MISSOURI

ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1969-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	6,652,349		0.0000	1.0000	57.97
80.5	6,657,158	124,688	0.0187	0.9813	57.97
81.5	6,502,872	170,018	0.0261	0.9739	56.88
82.5	6,330,784	181,159	0.0286	0.9714	55.39
83.5	6,147,687	18,446	0.0030	0.9970	53.81
84.5	6,119,608	32	0.0000	1.0000	53.65
85.5	6,119,577		0.0000	1.0000	53.65
86.5	6,113,012		0.0000	1.0000	53.65
87.5	3,820,015	37,758	0.0099	0.9901	53.65
88.5	3,081,819	46,887	0.0152	0.9848	53.12
89.5	3,031,929	74,050	0.0244	0.9756	52.31
90.5	2,957,879	14,776	0.0050	0.9950	51.03
91.5	2,943,104	53,898	0.0183	0.9817	50.77
92.5	2,889,206		0.0000	1.0000	49.84
93.5	2,889,206		0.0000	1.0000	49.84
94.5	2,889,206		0.0000	1.0000	49.84
95.5	2,889,206		0.0000	1.0000	49.84
96.5	2,884,337		0.0000	1.0000	49.84
97.5	2,879,528		0.0000	1.0000	49.84
98.5	2,860,025	23,761	0.0083	0.9917	49.84
99.5	2,836,264	343,510	0.1211	0.8789	49.43
100.5	2,492,754		0.0000	1.0000	43.44
101.5	2,653,251	4,170	0.0016	0.9984	43.44
102.5	2,649,081		0.0000	1.0000	43.38
103.5	2,649,081	29,600	0.0112	0.9888	43.38
104.5	2,619,480		0.0000	1.0000	42.89
105.5					42.89

AMEREN MISSOURI
 ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1913-2018

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	61,302,277	2,922	0.0000	1.0000	100.00
0.5	61,178,513	44,905	0.0007	0.9993	100.00
1.5	55,775,805	33,191	0.0006	0.9994	99.92
2.5	48,756,269	9,581	0.0002	0.9998	99.86
3.5	49,796,378	16,209	0.0003	0.9997	99.84
4.5	49,933,583	148,658	0.0030	0.9970	99.81
5.5	43,641,577	93,453	0.0021	0.9979	99.51
6.5	38,266,435	36,772	0.0010	0.9990	99.30
7.5	38,940,150	9,261	0.0002	0.9998	99.20
8.5	22,735,804	205,927	0.0091	0.9909	99.18
9.5	21,680,170	210,793	0.0097	0.9903	98.28
10.5	20,611,258	822,071	0.0399	0.9601	97.33
11.5	19,417,087	42,646	0.0022	0.9978	93.45
12.5	18,792,994	5,452	0.0003	0.9997	93.24
13.5	16,898,560	40,232	0.0024	0.9976	93.21
14.5	16,372,234	231,740	0.0142	0.9858	92.99
15.5	15,602,436	164,009	0.0105	0.9895	91.67
16.5	13,912,995	37,734	0.0027	0.9973	90.71
17.5	9,971,579	464,814	0.0466	0.9534	90.47
18.5	9,484,875	185,377	0.0195	0.9805	86.25
19.5	8,151,007	229,462	0.0282	0.9718	84.56
20.5	7,635,605	1,346	0.0002	0.9998	82.18
21.5	7,617,399	3,167	0.0004	0.9996	82.17
22.5	7,584,821	26,981	0.0036	0.9964	82.13
23.5	7,398,552	88,053	0.0119	0.9881	81.84
24.5	6,934,573	18,821	0.0027	0.9973	80.87
25.5	6,217,735	5,053	0.0008	0.9992	80.65
26.5	6,145,775	4,089	0.0007	0.9993	80.58
27.5	6,141,686	93,661	0.0153	0.9847	80.53
28.5	6,020,888	6,364	0.0011	0.9989	79.30
29.5	6,014,524	14,295	0.0024	0.9976	79.22
30.5	5,927,545	43,650	0.0074	0.9926	79.03
31.5	5,883,895	10,658	0.0018	0.9982	78.45
32.5	5,864,721	11,684	0.0020	0.9980	78.30
33.5	5,833,584	43,163	0.0074	0.9926	78.15
34.5	5,786,878	20,957	0.0036	0.9964	77.57
35.5	5,734,867	12,166	0.0021	0.9979	77.29
36.5	5,711,418	46,675	0.0082	0.9918	77.13
37.5	5,664,743	37,869	0.0067	0.9933	76.49
38.5	6,228,093	79,528	0.0128	0.9872	75.98

AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018		
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	6,102,253	53,811	0.0088	0.9912	75.01
40.5	6,046,541	37,007	0.0061	0.9939	74.35
41.5	6,009,534	141,745	0.0236	0.9764	73.90
42.5	5,865,381	48,884	0.0083	0.9917	72.15
43.5	5,796,847	25,871	0.0045	0.9955	71.55
44.5	5,771,868	34,425	0.0060	0.9940	71.23
45.5	5,737,986	125,412	0.0219	0.9781	70.81
46.5	5,612,574	24,100	0.0043	0.9957	69.26
47.5	4,797,284	28,804	0.0060	0.9940	68.96
48.5	4,757,837	17,041	0.0036	0.9964	68.55
49.5	4,644,206	49,058	0.0106	0.9894	68.30
50.5	4,515,523	66,055	0.0146	0.9854	67.58
51.5	4,443,439	117,808	0.0265	0.9735	66.59
52.5	4,539,300		0.0000	1.0000	64.83
53.5	4,493,679	24,954	0.0056	0.9944	64.83
54.5	4,573,799	36,764	0.0080	0.9920	64.47
55.5	3,063,199	89,009	0.0291	0.9709	63.95
56.5	2,838,326	1,728	0.0006	0.9994	62.09
57.5	2,767,902	19,717	0.0071	0.9929	62.05
58.5	2,742,334	12,095	0.0044	0.9956	61.61
59.5	2,594,119	11,082	0.0043	0.9957	61.34
60.5	2,483,153	142,913	0.0576	0.9424	61.08
61.5	2,330,444	37,819	0.0162	0.9838	57.56
62.5	2,332,594	152,119	0.0652	0.9348	56.63
63.5	2,201,699	69,380	0.0315	0.9685	52.94
64.5	2,097,475	48,715	0.0232	0.9768	51.27
65.5	1,753,911		0.0000	1.0000	50.08
66.5	1,286,772	130,329	0.1013	0.8987	50.08
67.5	1,067,762	143,629	0.1345	0.8655	45.00
68.5	920,308		0.0000	1.0000	38.95
69.5	900,042		0.0000	1.0000	38.95
70.5	1,333,658	8,854	0.0066	0.9934	38.95
71.5	1,317,497	386	0.0003	0.9997	38.69
72.5	1,296,507	14,119	0.0109	0.9891	38.68
73.5	1,282,251	12,185	0.0095	0.9905	38.26
74.5	1,269,689	104	0.0001	0.9999	37.90
75.5	1,267,308		0.0000	1.0000	37.89
76.5	1,261,011	55,542	0.0440	0.9560	37.89
77.5	1,201,537	55,542	0.0462	0.9538	36.22
78.5	1,138,053		0.0000	1.0000	34.55

AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,135,746		0.0000	1.0000	34.55
80.5	1,135,746	339,166	0.2986	0.7014	34.55
81.5	855,438	131,916	0.1542	0.8458	24.23
82.5	723,521	81,363	0.1125	0.8875	20.50
83.5	642,158		0.0000	1.0000	18.19
84.5	642,158		0.0000	1.0000	18.19
85.5	642,158		0.0000	1.0000	18.19
86.5	639,402		0.0000	1.0000	18.19
87.5	220,180		0.0000	1.0000	18.19
88.5	286,953		0.0000	1.0000	18.19
89.5	286,745	81,285	0.2835	0.7165	18.19
90.5	205,460		0.0000	1.0000	13.03
91.5	226,431	13,961	0.0617	0.9383	13.03
92.5	212,470		0.0000	1.0000	12.23
93.5	212,192		0.0000	1.0000	12.23
94.5	212,192		0.0000	1.0000	12.23
95.5	212,192		0.0000	1.0000	12.23
96.5	212,192	9,170	0.0432	0.9568	12.23
97.5	203,022		0.0000	1.0000	11.70
98.5	203,022		0.0000	1.0000	11.70
99.5	203,022	57,271	0.2821	0.7179	11.70
100.5	141,362		0.0000	1.0000	8.40
101.5	138,138		0.0000	1.0000	8.40
102.5	120,321		0.0000	1.0000	8.40
103.5	119,387		0.0000	1.0000	8.40
104.5	119,387		0.0000	1.0000	8.40
105.5					8.40

AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1969-2018

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	55,165,617		0.0000	1.0000	100.00
0.5	55,055,915	28,947	0.0005	0.9995	100.00
1.5	49,697,187	27,526	0.0006	0.9994	99.95
2.5	42,686,130	651	0.0000	1.0000	99.89
3.5	43,859,289		0.0000	1.0000	99.89
4.5	44,013,271	138,978	0.0032	0.9968	99.89
5.5	39,604,680	75,115	0.0019	0.9981	99.58
6.5	34,262,253	10,660	0.0003	0.9997	99.39
7.5	34,973,536	14	0.0000	1.0000	99.36
8.5	18,784,289	177,415	0.0094	0.9906	99.36
9.5	17,895,926	201,804	0.0113	0.9887	98.42
10.5	16,977,322	818,089	0.0482	0.9518	97.31
11.5	15,806,237		0.0000	1.0000	92.62
12.5	15,260,379		0.0000	1.0000	92.62
13.5	13,398,889	32,990	0.0025	0.9975	92.62
14.5	12,977,857	225,598	0.0174	0.9826	92.39
15.5	12,930,038	158,439	0.0123	0.9877	90.78
16.5	12,067,575	27,694	0.0023	0.9977	89.67
17.5	8,245,299	464,694	0.0564	0.9436	89.47
18.5	7,763,705	181,016	0.0233	0.9767	84.42
19.5	6,493,051	225,393	0.0347	0.9653	82.46
20.5	6,186,669		0.0000	1.0000	79.59
21.5	6,272,825	459	0.0001	0.9999	79.59
22.5	6,278,713	25,161	0.0040	0.9960	79.59
23.5	6,094,402	86,302	0.0142	0.9858	79.27
24.5	5,632,641	17,772	0.0032	0.9968	78.15
25.5	4,919,130	3,559	0.0007	0.9993	77.90
26.5	4,885,560	111	0.0000	1.0000	77.84
27.5	4,889,380	84,239	0.0172	0.9828	77.84
28.5	4,787,196	5,076	0.0011	0.9989	76.50
29.5	4,784,427	5,076	0.0011	0.9989	76.42
30.5	4,706,667	43,516	0.0092	0.9908	76.34
31.5	4,665,691	8,065	0.0017	0.9983	75.63
32.5	4,649,413	66	0.0000	1.0000	75.50
33.5	4,629,895		0.0000	1.0000	75.50
34.5	4,626,351	5,395	0.0012	0.9988	75.50
35.5	4,589,903	12,019	0.0026	0.9974	75.41
36.5	4,569,357	39,630	0.0087	0.9913	75.21
37.5	5,073,017	1,772	0.0003	0.9997	74.56
38.5	5,706,357	31,727	0.0056	0.9944	74.54

AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1969-2018		
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	5,629,198	45,360	0.0081	0.9919	74.12
40.5	5,581,937	35,179	0.0063	0.9937	73.52
41.5	5,547,283	2,516	0.0005	0.9995	73.06
42.5	5,542,359	21,805	0.0039	0.9961	73.03
43.5	5,510,035	12,448	0.0023	0.9977	72.74
44.5	5,498,479	28,027	0.0051	0.9949	72.58
45.5	5,470,995	107,192	0.0196	0.9804	72.21
46.5	5,363,803	91	0.0000	1.0000	70.79
47.5	4,572,522	28,701	0.0063	0.9937	70.79
48.5	4,533,178	3,043	0.0007	0.9993	70.35
49.5	4,433,545	49,058	0.0111	0.9889	70.30
50.5	4,309,250	66,055	0.0153	0.9847	69.52
51.5	4,240,391	117,808	0.0278	0.9722	68.46
52.5	4,354,173		0.0000	1.0000	66.55
53.5	4,309,486	24,954	0.0058	0.9942	66.55
54.5	4,389,606	36,764	0.0084	0.9916	66.17
55.5	3,063,199	89,009	0.0291	0.9709	65.61
56.5	2,838,326	1,728	0.0006	0.9994	63.71
57.5	2,767,902	19,717	0.0071	0.9929	63.67
58.5	2,742,334	12,095	0.0044	0.9956	63.22
59.5	2,594,119	11,082	0.0043	0.9957	62.94
60.5	2,483,153	142,913	0.0576	0.9424	62.67
61.5	2,330,444	37,819	0.0162	0.9838	59.06
62.5	2,332,594	152,119	0.0652	0.9348	58.10
63.5	2,201,699	69,380	0.0315	0.9685	54.31
64.5	2,097,475	48,715	0.0232	0.9768	52.60
65.5	1,753,911		0.0000	1.0000	51.38
66.5	1,286,772	130,329	0.1013	0.8987	51.38
67.5	1,067,762	143,629	0.1345	0.8655	46.18
68.5	920,308		0.0000	1.0000	39.96
69.5	900,042		0.0000	1.0000	39.96
70.5	1,333,658	8,854	0.0066	0.9934	39.96
71.5	1,317,497	386	0.0003	0.9997	39.70
72.5	1,296,507	14,119	0.0109	0.9891	39.69
73.5	1,282,251	12,185	0.0095	0.9905	39.26
74.5	1,269,689	104	0.0001	0.9999	38.88
75.5	1,267,308		0.0000	1.0000	38.88
76.5	1,261,011	55,542	0.0440	0.9560	38.88
77.5	1,201,537	55,542	0.0462	0.9538	37.17
78.5	1,138,053		0.0000	1.0000	35.45

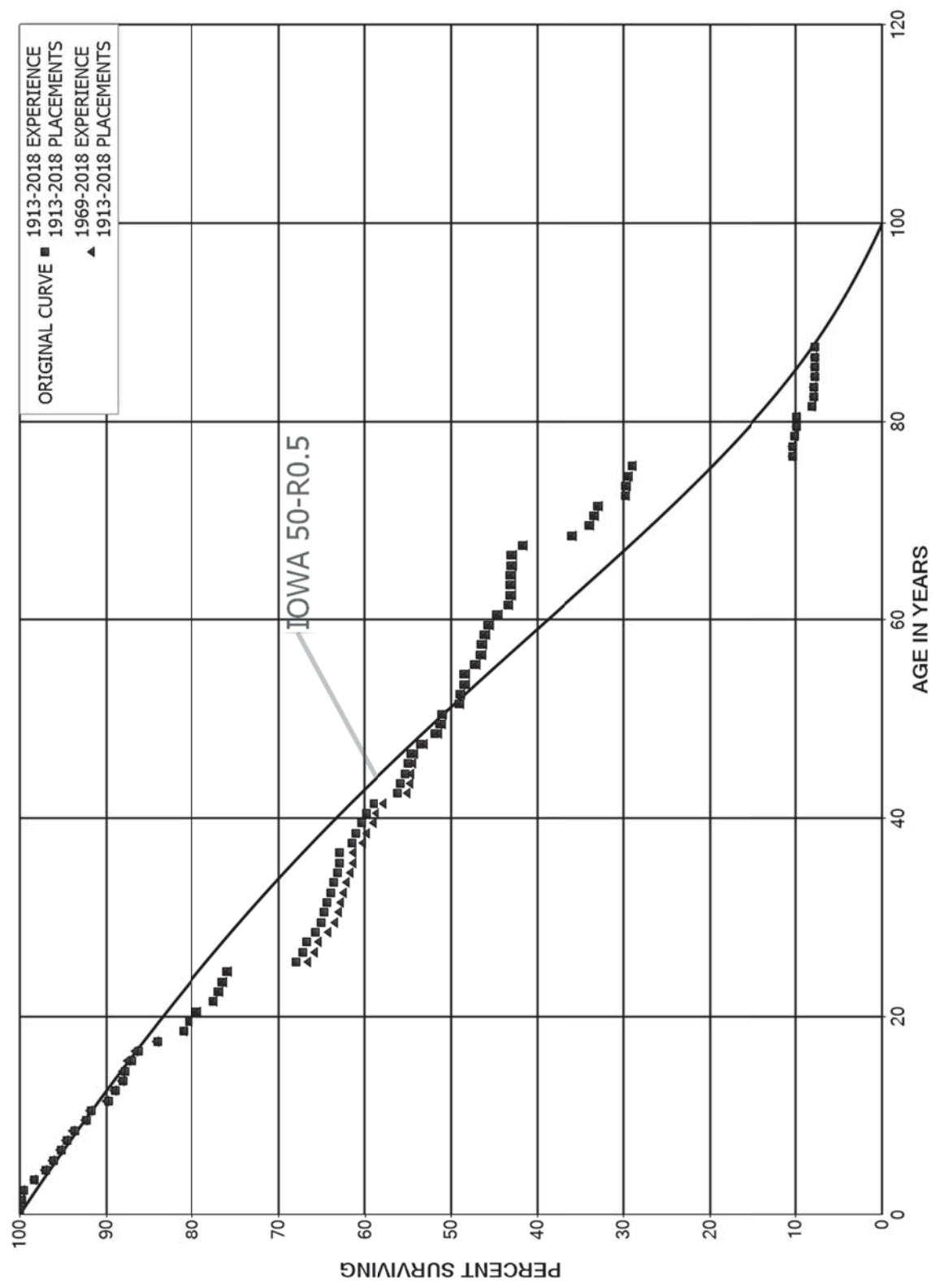
AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1969-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,135,746		0.0000	1.0000	35.45
80.5	1,135,746	339,166	0.2986	0.7014	35.45
81.5	855,438	131,916	0.1542	0.8458	24.86
82.5	723,521	81,363	0.1125	0.8875	21.03
83.5	642,158		0.0000	1.0000	18.66
84.5	642,158		0.0000	1.0000	18.66
85.5	642,158		0.0000	1.0000	18.66
86.5	639,402		0.0000	1.0000	18.66
87.5	220,180		0.0000	1.0000	18.66
88.5	286,953		0.0000	1.0000	18.66
89.5	286,745	81,285	0.2835	0.7165	18.66
90.5	205,460		0.0000	1.0000	13.37
91.5	226,431	13,961	0.0617	0.9383	13.37
92.5	212,470		0.0000	1.0000	12.55
93.5	212,192		0.0000	1.0000	12.55
94.5	212,192		0.0000	1.0000	12.55
95.5	212,192		0.0000	1.0000	12.55
96.5	212,192	9,170	0.0432	0.9568	12.55
97.5	203,022		0.0000	1.0000	12.01
98.5	203,022		0.0000	1.0000	12.01
99.5	203,022	57,271	0.2821	0.7179	12.01
100.5	141,362		0.0000	1.0000	8.62
101.5	138,138		0.0000	1.0000	8.62
102.5	120,321		0.0000	1.0000	8.62
103.5	119,387		0.0000	1.0000	8.62
104.5	119,387		0.0000	1.0000	8.62
105.5					8.62

AMEREN MISSOURI
 ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018		
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	12,777,204		0.0000	1.0000	100.00
0.5	12,312,454	39,410	0.0032	0.9968	100.00
1.5	11,152,115	20,676	0.0019	0.9981	99.68
2.5	10,627,436	133,934	0.0126	0.9874	99.50
3.5	10,441,853	134,821	0.0129	0.9871	98.24
4.5	10,488,411	98,176	0.0094	0.9906	96.97
5.5	10,854,691	95,339	0.0088	0.9912	96.07
6.5	10,319,285	74,027	0.0072	0.9928	95.22
7.5	9,991,648	94,868	0.0095	0.9905	94.54
8.5	9,042,573	133,914	0.0148	0.9852	93.64
9.5	7,740,940	47,514	0.0061	0.9939	92.25
10.5	6,319,221	133,140	0.0211	0.9789	91.69
11.5	5,853,310	55,172	0.0094	0.9906	89.76
12.5	5,541,850	55,396	0.0100	0.9900	88.91
13.5	4,837,450	9,204	0.0019	0.9981	88.02
14.5	4,623,710	39,344	0.0085	0.9915	87.85
15.5	4,426,728	39,328	0.0089	0.9911	87.11
16.5	3,742,860	96,445	0.0258	0.9742	86.33
17.5	3,534,560	126,538	0.0358	0.9642	84.11
18.5	3,240,263	30,156	0.0093	0.9907	81.10
19.5	2,955,040	31,046	0.0105	0.9895	80.34
20.5	2,728,089	66,546	0.0244	0.9756	79.50
21.5	2,543,721	19,797	0.0078	0.9922	77.56
22.5	2,441,170	15,621	0.0064	0.9936	76.95
23.5	2,313,047	14,755	0.0064	0.9936	76.46
24.5	1,950,710	207,286	0.1063	0.8937	75.97
25.5	1,664,430	18,044	0.0108	0.9892	67.90
26.5	1,496,118	9,141	0.0061	0.9939	67.17
27.5	1,408,093	21,402	0.0152	0.9848	66.76
28.5	1,194,797	12,090	0.0101	0.9899	65.74
29.5	1,068,150	6,435	0.0060	0.9940	65.08
30.5	1,049,730	5,453	0.0052	0.9948	64.68
31.5	1,034,110	6,776	0.0066	0.9934	64.35
32.5	1,032,704	4,770	0.0046	0.9954	63.93
33.5	1,002,733	6,311	0.0063	0.9937	63.63
34.5	952,931	4,580	0.0048	0.9952	63.23
35.5	868,207	200	0.0002	0.9998	62.93
36.5	842,571	18,469	0.0219	0.9781	62.91
37.5	804,853	5,952	0.0074	0.9926	61.53
38.5	790,255	8,984	0.0114	0.9886	61.08

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018		
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	765,091	6,405	0.0084	0.9916	60.38
40.5	747,883	11,804	0.0158	0.9842	59.88
41.5	720,827	33,990	0.0472	0.9528	58.93
42.5	680,182	3,523	0.0052	0.9948	56.15
43.5	652,083	6,958	0.0107	0.9893	55.86
44.5	610,573	4,126	0.0068	0.9932	55.27
45.5	595,642	3,321	0.0056	0.9944	54.89
46.5	585,909	11,934	0.0204	0.9796	54.59
47.5	509,085	15,651	0.0307	0.9693	53.48
48.5	482,450	4,669	0.0097	0.9903	51.83
49.5	465,612	2,038	0.0044	0.9956	51.33
50.5	441,767	17,191	0.0389	0.9611	51.10
51.5	415,671	906	0.0022	0.9978	49.12
52.5	408,590	4,130	0.0101	0.9899	49.01
53.5	386,633	217	0.0006	0.9994	48.51
54.5	381,237	9,436	0.0248	0.9752	48.49
55.5	311,332	4,652	0.0149	0.9851	47.29
56.5	300,891	488	0.0016	0.9984	46.58
57.5	294,874	2,122	0.0072	0.9928	46.50
58.5	281,401	2,629	0.0093	0.9907	46.17
59.5	267,112	5,831	0.0218	0.9782	45.74
60.5	251,322	7,501	0.0298	0.9702	44.74
61.5	235,906	1,298	0.0055	0.9945	43.40
62.5	229,632		0.0000	1.0000	43.17
63.5	224,991	134	0.0006	0.9994	43.17
64.5	217,256	572	0.0026	0.9974	43.14
65.5	203,034		0.0000	1.0000	43.03
66.5	200,318	6,046	0.0302	0.9698	43.03
67.5	193,032	26,625	0.1379	0.8621	41.73
68.5	161,276	9,289	0.0576	0.9424	35.97
69.5	148,424	2,169	0.0146	0.9854	33.90
70.5	144,975	2,055	0.0142	0.9858	33.40
71.5	140,434	13,609	0.0969	0.9031	32.93
72.5	120,906	235	0.0019	0.9981	29.74
73.5	117,639	995	0.0085	0.9915	29.68
74.5	115,096	1,914	0.0166	0.9834	29.43
75.5	112,197	72,115	0.6428	0.3572	28.94
76.5	37,987		0.0000	1.0000	10.34
77.5	37,334	1,043	0.0279	0.9721	10.34
78.5	35,144	581	0.0165	0.9835	10.05

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1913-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	33,921	110	0.0032	0.9968	9.88	
80.5	33,508	6,107	0.1823	0.8177	9.85	
81.5	26,768	662	0.0247	0.9753	8.06	
82.5	23,950		0.0000	1.0000	7.86	
83.5	23,122	297	0.0129	0.9871	7.86	
84.5	26,456		0.0000	1.0000	7.76	
85.5	26,456		0.0000	1.0000	7.76	
86.5	26,215		0.0000	1.0000	7.76	
87.5	23,647		0.0000	1.0000	7.76	
88.5	40,348		0.0000	1.0000	7.76	
89.5	40,230	248	0.0062	0.9938	7.76	
90.5	39,614	744	0.0188	0.9812	7.71	
91.5	38,870	957	0.0246	0.9754	7.56	
92.5	36,263		0.0000	1.0000	7.38	
93.5	35,767	7,258	0.2029	0.7971	7.38	
94.5	27,282		0.0000	1.0000	5.88	
95.5	25,941	200	0.0077	0.9923	5.88	
96.5	24,287		0.0000	1.0000	5.84	
97.5	24,287		0.0000	1.0000	5.84	
98.5	24,287		0.0000	1.0000	5.84	
99.5	23,540	9,251	0.3930	0.6070	5.84	
100.5	13,778		0.0000	1.0000	3.54	
101.5	7,699		0.0000	1.0000	3.54	
102.5	6,488		0.0000	1.0000	3.54	
103.5	6,488		0.0000	1.0000	3.54	
104.5	6,488		0.0000	1.0000	3.54	
105.5					3.54	

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1969-2018

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	11,979,656		0.0000	1.0000	100.00
0.5	11,520,481	29,446	0.0026	0.9974	100.00
1.5	10,412,751	13,211	0.0013	0.9987	99.74
2.5	9,902,111	128,238	0.0130	0.9870	99.62
3.5	9,733,194	129,366	0.0133	0.9867	98.33
4.5	9,805,349	84,748	0.0086	0.9914	97.02
5.5	10,346,341	93,307	0.0090	0.9910	96.18
6.5	9,826,657	71,718	0.0073	0.9927	95.31
7.5	9,506,812	83,513	0.0088	0.9912	94.62
8.5	8,573,572	127,311	0.0148	0.9852	93.79
9.5	7,288,903	41,167	0.0056	0.9944	92.40
10.5	5,888,684	124,761	0.0212	0.9788	91.87
11.5	5,449,853	49,190	0.0090	0.9910	89.93
12.5	5,154,964	54,890	0.0106	0.9894	89.12
13.5	4,459,722	5,961	0.0013	0.9987	88.17
14.5	4,260,551	28,467	0.0067	0.9933	88.05
15.5	4,096,363	38,700	0.0094	0.9906	87.46
16.5	3,428,358	95,876	0.0280	0.9720	86.63
17.5	3,225,954	125,521	0.0389	0.9611	84.21
18.5	2,951,062	29,137	0.0099	0.9901	80.93
19.5	2,669,880	30,405	0.0114	0.9886	80.14
20.5	2,448,127	60,143	0.0246	0.9754	79.22
21.5	2,274,219	19,556	0.0086	0.9914	77.28
22.5	2,192,493	14,048	0.0064	0.9936	76.61
23.5	2,072,765	13,893	0.0067	0.9933	76.12
24.5	1,712,368	206,759	0.1207	0.8793	75.61
25.5	1,440,918	16,232	0.0113	0.9887	66.48
26.5	1,280,408	8,480	0.0066	0.9934	65.73
27.5	1,199,469	20,163	0.0168	0.9832	65.30
28.5	990,659	12,090	0.0122	0.9878	64.20
29.5	865,252	5,581	0.0064	0.9936	63.42
30.5	848,841	3,553	0.0042	0.9958	63.01
31.5	910,640	5,332	0.0059	0.9941	62.74
32.5	913,238	4,362	0.0048	0.9952	62.38
33.5	899,697	5,937	0.0066	0.9934	62.08
34.5	850,957	4,580	0.0054	0.9946	61.67
35.5	772,984	200	0.0003	0.9997	61.34
36.5	780,883	14,830	0.0190	0.9810	61.32
37.5	765,748	5,799	0.0076	0.9924	60.16
38.5	751,680	8,984	0.0120	0.9880	59.70

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1969-2018			
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	726,760	5,133	0.0071	0.9929	58.99	
40.5	711,192	10,091	0.0142	0.9858	58.57	
41.5	685,850	33,811	0.0493	0.9507	57.74	
42.5	645,795	3,523	0.0055	0.9945	54.89	
43.5	617,912	1,077	0.0017	0.9983	54.59	
44.5	583,511	2,016	0.0035	0.9965	54.50	
45.5	575,283	2,468	0.0043	0.9957	54.31	
46.5	566,403	11,848	0.0209	0.9791	54.08	
47.5	490,622	15,453	0.0315	0.9685	52.95	
48.5	464,185	3,697	0.0080	0.9920	51.28	
49.5	449,526	1,365	0.0030	0.9970	50.87	
50.5	426,865	17,146	0.0402	0.9598	50.72	
51.5	405,362	724	0.0018	0.9982	48.68	
52.5	400,697	4,014	0.0100	0.9900	48.59	
53.5	378,856	217	0.0006	0.9994	48.10	
54.5	373,460	9,436	0.0253	0.9747	48.08	
55.5	311,332	4,652	0.0149	0.9851	46.86	
56.5	300,891	488	0.0016	0.9984	46.16	
57.5	294,874	2,122	0.0072	0.9928	46.09	
58.5	281,401	2,629	0.0093	0.9907	45.76	
59.5	267,112	5,831	0.0218	0.9782	45.33	
60.5	251,322	7,501	0.0298	0.9702	44.34	
61.5	235,906	1,298	0.0055	0.9945	43.02	
62.5	229,632		0.0000	1.0000	42.78	
63.5	224,991	134	0.0006	0.9994	42.78	
64.5	217,256	572	0.0026	0.9974	42.75	
65.5	203,034		0.0000	1.0000	42.64	
66.5	200,318	6,046	0.0302	0.9698	42.64	
67.5	193,032	26,625	0.1379	0.8621	41.35	
68.5	161,276	9,289	0.0576	0.9424	35.65	
69.5	148,424	2,169	0.0146	0.9854	33.60	
70.5	144,975	2,055	0.0142	0.9858	33.11	
71.5	140,434	13,609	0.0969	0.9031	32.64	
72.5	120,906	235	0.0019	0.9981	29.47	
73.5	117,639	995	0.0085	0.9915	29.42	
74.5	115,096	1,914	0.0166	0.9834	29.17	
75.5	112,197	72,115	0.6428	0.3572	28.68	
76.5	37,987		0.0000	1.0000	10.25	
77.5	37,334	1,043	0.0279	0.9721	10.25	
78.5	35,144	581	0.0165	0.9835	9.96	

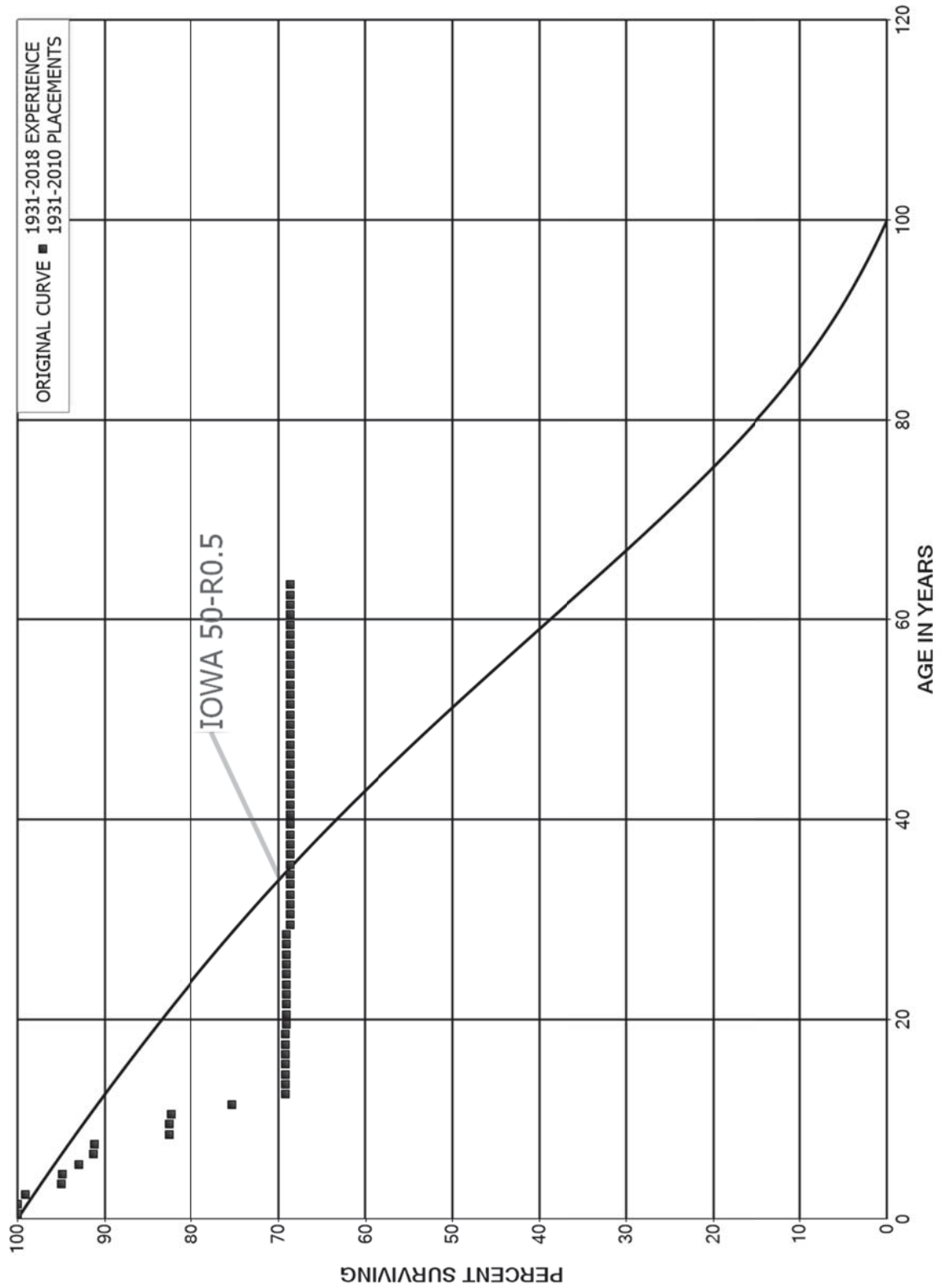
AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1969-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	33,921	110	0.0032	0.9968	9.80	
80.5	33,508	6,107	0.1823	0.8177	9.76	
81.5	26,768	662	0.0247	0.9753	7.98	
82.5	23,950		0.0000	1.0000	7.79	
83.5	23,122	297	0.0129	0.9871	7.79	
84.5	26,456		0.0000	1.0000	7.69	
85.5	26,456		0.0000	1.0000	7.69	
86.5	26,215		0.0000	1.0000	7.69	
87.5	23,647		0.0000	1.0000	7.69	
88.5	40,348		0.0000	1.0000	7.69	
89.5	40,230	248	0.0062	0.9938	7.69	
90.5	39,614	744	0.0188	0.9812	7.64	
91.5	38,870	957	0.0246	0.9754	7.50	
92.5	36,263		0.0000	1.0000	7.31	
93.5	35,767	7,258	0.2029	0.7971	7.31	
94.5	27,282		0.0000	1.0000	5.83	
95.5	25,941	200	0.0077	0.9923	5.83	
96.5	24,287		0.0000	1.0000	5.78	
97.5	24,287		0.0000	1.0000	5.78	
98.5	24,287		0.0000	1.0000	5.78	
99.5	23,540	9,251	0.3930	0.6070	5.78	
100.5	13,778		0.0000	1.0000	3.51	
101.5	7,699		0.0000	1.0000	3.51	
102.5	6,488		0.0000	1.0000	3.51	
103.5	6,488		0.0000	1.0000	3.51	
104.5	6,488		0.0000	1.0000	3.51	
105.5					3.51	

AMEREN MISSOURI
 ACCOUNT 336 ROADS, RAILROADS AND BRIDGES
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1931-2010			EXPERIENCE BAND 1931-2018		
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	472,238		0.0000	1.0000	100.00
0.5	472,238	519	0.0011	0.9989	100.00
1.5	471,719	3,714	0.0079	0.9921	99.89
2.5	468,005	19,898	0.0425	0.9575	99.10
3.5	501,274	236	0.0005	0.9995	94.89
4.5	501,038	10,309	0.0206	0.9794	94.85
5.5	490,729	8,477	0.0173	0.9827	92.89
6.5	482,252	697	0.0014	0.9986	91.29
7.5	481,555	45,214	0.0939	0.9061	91.16
8.5	409,011		0.0000	1.0000	82.60
9.5	246,928	589	0.0024	0.9976	82.60
10.5	246,339	21,131	0.0858	0.9142	82.40
11.5	225,208	18,257	0.0811	0.9189	75.33
12.5	206,951		0.0000	1.0000	69.23
13.5	206,951	284	0.0014	0.9986	69.23
14.5	206,667		0.0000	1.0000	69.13
15.5	206,667		0.0000	1.0000	69.13
16.5	206,667		0.0000	1.0000	69.13
17.5	206,667		0.0000	1.0000	69.13
18.5	206,667	306	0.0015	0.9985	69.13
19.5	153,194		0.0000	1.0000	69.03
20.5	153,194		0.0000	1.0000	69.03
21.5	153,194		0.0000	1.0000	69.03
22.5	153,194		0.0000	1.0000	69.03
23.5	153,194		0.0000	1.0000	69.03
24.5	153,194		0.0000	1.0000	69.03
25.5	153,194		0.0000	1.0000	69.03
26.5	153,194		0.0000	1.0000	69.03
27.5	153,194		0.0000	1.0000	69.03
28.5	150,963	1,012	0.0067	0.9933	69.03
29.5	149,951		0.0000	1.0000	68.57
30.5	149,951		0.0000	1.0000	68.57
31.5	149,951		0.0000	1.0000	68.57
32.5	149,951		0.0000	1.0000	68.57
33.5	149,951		0.0000	1.0000	68.57
34.5	182,543		0.0000	1.0000	68.57
35.5	182,543		0.0000	1.0000	68.57
36.5	175,849		0.0000	1.0000	68.57
37.5	175,849		0.0000	1.0000	68.57
38.5	175,849		0.0000	1.0000	68.57

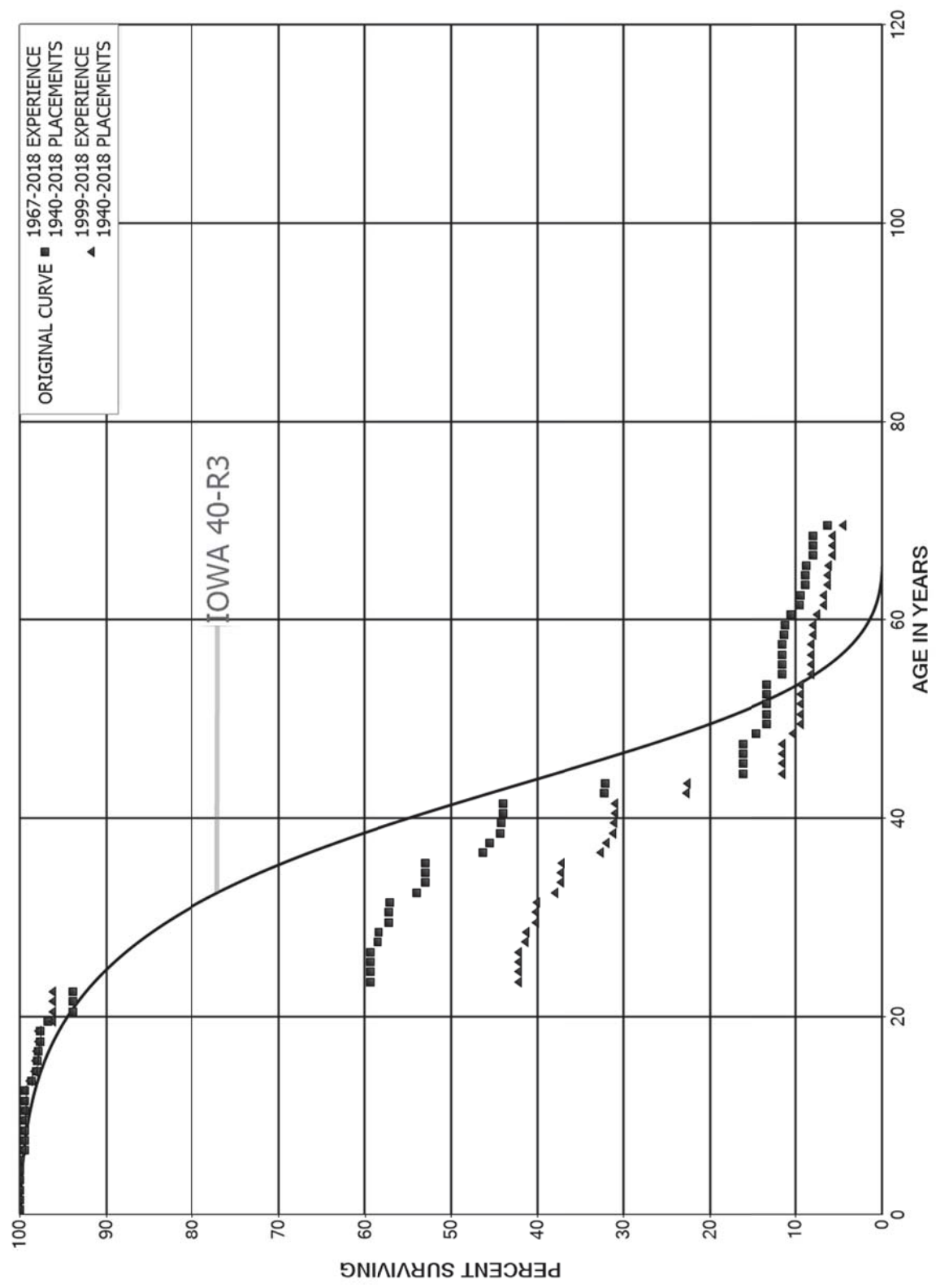
AMEREN MISSOURI

ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1931-2010			EXPERIENCE BAND 1931-2018		
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	175,849		0.0000	1.0000	68.57
40.5	175,849		0.0000	1.0000	68.57
41.5	175,849		0.0000	1.0000	68.57
42.5	175,849		0.0000	1.0000	68.57
43.5	175,849		0.0000	1.0000	68.57
44.5	175,849		0.0000	1.0000	68.57
45.5	175,849		0.0000	1.0000	68.57
46.5	175,849		0.0000	1.0000	68.57
47.5	175,849		0.0000	1.0000	68.57
48.5	171,332		0.0000	1.0000	68.57
49.5	166,901		0.0000	1.0000	68.57
50.5	166,901		0.0000	1.0000	68.57
51.5	134,309		0.0000	1.0000	68.57
52.5	130,572		0.0000	1.0000	68.57
53.5	103,079		0.0000	1.0000	68.57
54.5	103,079		0.0000	1.0000	68.57
55.5	95,401		0.0000	1.0000	68.57
56.5	95,401		0.0000	1.0000	68.57
57.5	82,239		0.0000	1.0000	68.57
58.5	82,239		0.0000	1.0000	68.57
59.5	82,239		0.0000	1.0000	68.57
60.5	82,239		0.0000	1.0000	68.57
61.5	82,239		0.0000	1.0000	68.57
62.5	82,239		0.0000	1.0000	68.57
63.5	21,987		0.0000	1.0000	68.57
64.5	21,987		0.0000	1.0000	68.57
65.5	21,987		0.0000	1.0000	68.57
66.5	21,987		0.0000	1.0000	68.57
67.5	5,981		0.0000	1.0000	68.57
68.5	5,981		0.0000	1.0000	68.57
69.5	5,981		0.0000	1.0000	68.57
70.5	5,981		0.0000	1.0000	68.57
71.5	5,981		0.0000	1.0000	68.57
72.5	5,981		0.0000	1.0000	68.57
73.5					

AMEREN MISSOURI
 ACCOUNT 341 STRUCTURES AND IMPROVEMENTS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1940-2018			EXPERIENCE BAND 1967-2018		
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	32,284,371		0.0000	1.0000	100.00
0.5	31,618,353		0.0000	1.0000	100.00
1.5	34,071,501		0.0000	1.0000	100.00
2.5	35,209,058	23,214	0.0007	0.9993	100.00
3.5	36,525,467	5	0.0000	1.0000	99.93
4.5	37,060,338		0.0000	1.0000	99.93
5.5	36,633,116	193,077	0.0053	0.9947	99.93
6.5	30,161,614		0.0000	1.0000	99.41
7.5	30,163,183		0.0000	1.0000	99.41
8.5	30,049,412	590	0.0000	1.0000	99.41
9.5	28,062,528	12,470	0.0004	0.9996	99.41
10.5	27,404,629		0.0000	1.0000	99.36
11.5	31,258,222	0	0.0000	1.0000	99.36
12.5	32,502,572	227,001	0.0070	0.9930	99.36
13.5	31,184,691	203,148	0.0065	0.9935	98.67
14.5	28,730,238	22,974	0.0008	0.9992	98.02
15.5	24,450,749	19,157	0.0008	0.9992	97.95
16.5	16,490,788	42,509	0.0026	0.9974	97.87
17.5	6,289,407		0.0000	1.0000	97.62
18.5	1,929,577	17,838	0.0092	0.9908	97.62
19.5	1,896,844	56,631	0.0299	0.9701	96.71
20.5	1,809,062	771	0.0004	0.9996	93.83
21.5	1,792,094		0.0000	1.0000	93.79
22.5	1,792,094	656,347	0.3662	0.6338	93.79
23.5	1,100,633		0.0000	1.0000	59.44
24.5	1,090,722		0.0000	1.0000	59.44
25.5	1,072,449		0.0000	1.0000	59.44
26.5	1,192,984	19,320	0.0162	0.9838	59.44
27.5	1,158,034	836	0.0007	0.9993	58.48
28.5	1,157,198	25,616	0.0221	0.9779	58.43
29.5	1,148,396		0.0000	1.0000	57.14
30.5	1,172,353	2,087	0.0018	0.9982	57.14
31.5	1,170,266	62,903	0.0538	0.9462	57.04
32.5	1,102,985	19,871	0.0180	0.9820	53.97
33.5	1,083,114	11	0.0000	1.0000	53.00
34.5	1,069,856	1,388	0.0013	0.9987	53.00
35.5	1,068,468	133,747	0.1252	0.8748	52.93
36.5	934,721	17,235	0.0184	0.9816	46.30
37.5	917,485	23,956	0.0261	0.9739	45.45
38.5	890,174	1,174	0.0013	0.9987	44.26

AMEREN MISSOURI

ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1940-2018			EXPERIENCE BAND 1967-2018			
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	882,401	5,866	0.0066	0.9934	44.21	
40.5	565,811		0.0000	1.0000	43.91	
41.5	556,945	148,372	0.2664	0.7336	43.91	
42.5	389,525	1,622	0.0042	0.9958	32.21	
43.5	387,903	191,721	0.4943	0.5057	32.08	
44.5	31,934		0.0000	1.0000	16.22	
45.5	31,934		0.0000	1.0000	16.22	
46.5	50,239		0.0000	1.0000	16.22	
47.5	50,239	5,253	0.1046	0.8954	16.22	
48.5	44,985	3,777	0.0840	0.9160	14.53	
49.5	44,110	5	0.0001	0.9999	13.31	
50.5	51,535	209	0.0041	0.9959	13.31	
51.5	57,322		0.0000	1.0000	13.25	
52.5	121,413		0.0000	1.0000	13.25	
53.5	140,170	18,305	0.1306	0.8694	13.25	
54.5	256,804		0.0000	1.0000	11.52	
55.5	265,689		0.0000	1.0000	11.52	
56.5	298,698		0.0000	1.0000	11.52	
57.5	298,698	7,429	0.0249	0.9751	11.52	
58.5	291,479	2,610	0.0090	0.9910	11.24	
59.5	288,868	16,063	0.0556	0.9444	11.13	
60.5	275,233	26,773	0.0973	0.9027	10.52	
61.5	333,935	1,771	0.0053	0.9947	9.49	
62.5	332,528	19,920	0.0599	0.9401	9.44	
63.5	421,923	2,168	0.0051	0.9949	8.88	
64.5	416,854	7,390	0.0177	0.9823	8.83	
65.5	409,464	33,211	0.0811	0.9189	8.67	
66.5	376,253		0.0000	1.0000	7.97	
67.5	328,226		0.0000	1.0000	7.97	
68.5	328,226	70,885	0.2160	0.7840	7.97	
69.5	126,341	2,428	0.0192	0.9808	6.25	
70.5	123,913	14,590	0.1177	0.8823	6.13	
71.5	109,315		0.0000	1.0000	5.41	
72.5	109,315		0.0000	1.0000	5.41	
73.5	109,315	109,315	1.0000		5.41	
74.5						

AMEREN MISSOURI

ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1940-2018			EXPERIENCE BAND 1999-2018		
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	31,002,331		0.0000	1.0000	100.00
0.5	30,367,465		0.0000	1.0000	100.00
1.5	32,854,409		0.0000	1.0000	100.00
2.5	33,991,966	23,214	0.0007	0.9993	100.00
3.5	35,308,375	5	0.0000	1.0000	99.93
4.5	35,849,624		0.0000	1.0000	99.93
5.5	35,448,674	162,324	0.0046	0.9954	99.93
6.5	29,007,925		0.0000	1.0000	99.47
7.5	29,023,433		0.0000	1.0000	99.47
8.5	28,909,662		0.0000	1.0000	99.47
9.5	26,923,368	10,009	0.0004	0.9996	99.47
10.5	26,267,930		0.0000	1.0000	99.44
11.5	30,121,523	0	0.0000	1.0000	99.44
12.5	31,370,251	218,761	0.0070	0.9930	99.44
13.5	30,061,446	189,425	0.0063	0.9937	98.74
14.5	27,633,963	22,187	0.0008	0.9992	98.12
15.5	23,355,262	19,157	0.0008	0.9992	98.04
16.5	15,395,616	39,698	0.0026	0.9974	97.96
17.5	5,197,046		0.0000	1.0000	97.71
18.5	840,571	13,842	0.0165	0.9835	97.71
19.5	820,520		0.0000	1.0000	96.10
20.5	1,160,255	771	0.0007	0.9993	96.10
21.5	1,168,099		0.0000	1.0000	96.04
22.5	1,168,099	656,347	0.5619	0.4381	96.04
23.5	482,504		0.0000	1.0000	42.07
24.5	660,834		0.0000	1.0000	42.07
25.5	856,207		0.0000	1.0000	42.07
26.5	976,741	19,320	0.0198	0.9802	42.07
27.5	941,792	836	0.0009	0.9991	41.24
28.5	940,956	25,616	0.0272	0.9728	41.21
29.5	932,154		0.0000	1.0000	40.08
30.5	957,733	2,087	0.0022	0.9978	40.08
31.5	1,170,266	62,903	0.0538	0.9462	40.00
32.5	1,102,985	19,871	0.0180	0.9820	37.85
33.5	1,083,114	11	0.0000	1.0000	37.16
34.5	1,069,856	1,388	0.0013	0.9987	37.16
35.5	1,068,468	133,747	0.1252	0.8748	37.12
36.5	934,721	17,235	0.0184	0.9816	32.47
37.5	917,485	23,956	0.0261	0.9739	31.87
38.5	890,174	1,174	0.0013	0.9987	31.04

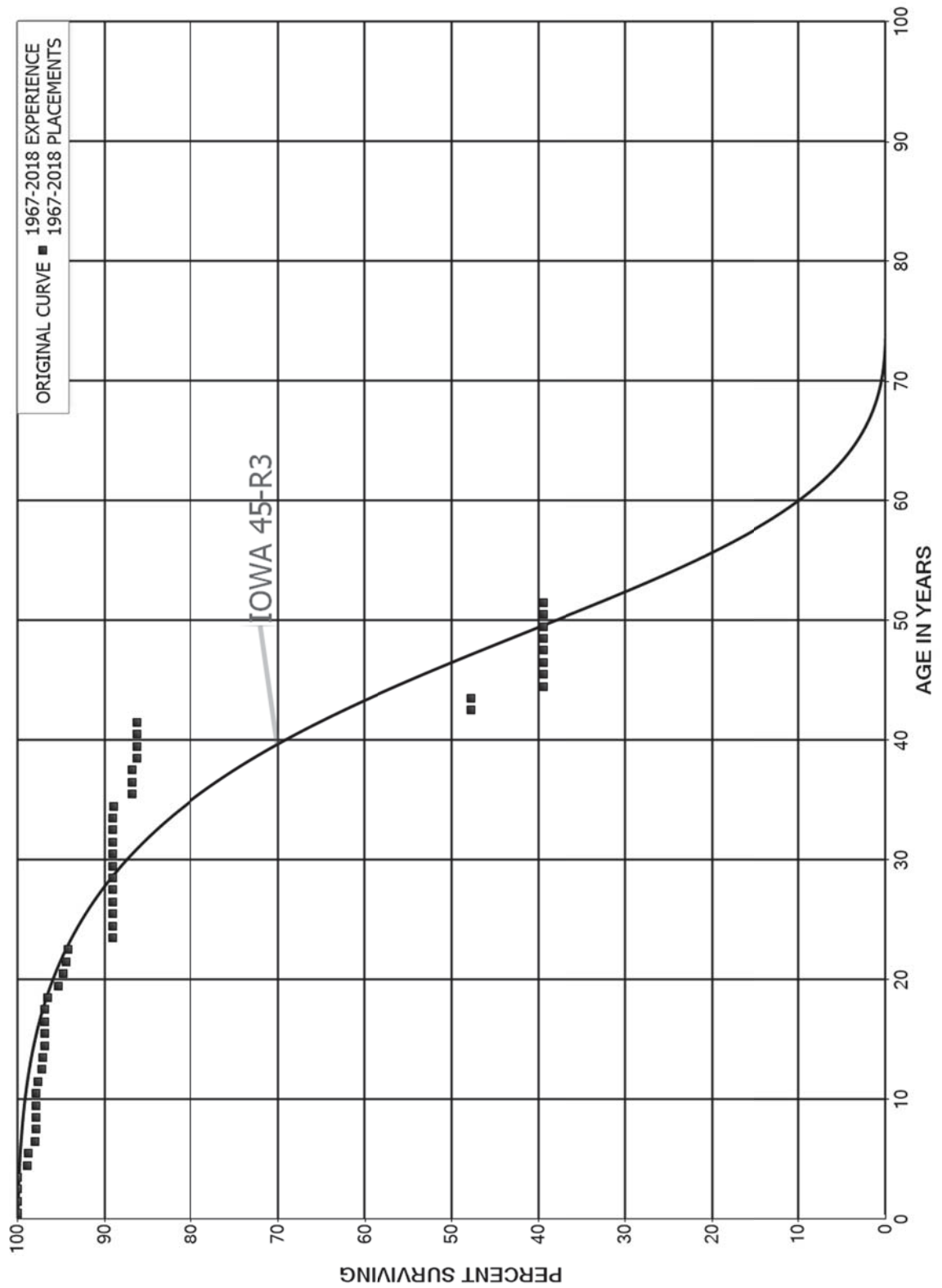
AMEREN MISSOURI

ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1940-2018			EXPERIENCE BAND 1999-2018		
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	882,401	5,866	0.0066	0.9934	31.00
40.5	565,811		0.0000	1.0000	30.79
41.5	556,945	148,372	0.2664	0.7336	30.79
42.5	389,525	1,622	0.0042	0.9958	22.59
43.5	387,903	191,721	0.4943	0.5057	22.49
44.5	31,934		0.0000	1.0000	11.38
45.5	31,934		0.0000	1.0000	11.38
46.5	50,239		0.0000	1.0000	11.38
47.5	50,239	5,253	0.1046	0.8954	11.38
48.5	44,985	3,777	0.0840	0.9160	10.19
49.5	44,110	5	0.0001	0.9999	9.33
50.5	51,535	209	0.0041	0.9959	9.33
51.5	57,322		0.0000	1.0000	9.29
52.5	121,413		0.0000	1.0000	9.29
53.5	140,170	18,305	0.1306	0.8694	9.29
54.5	256,804		0.0000	1.0000	8.08
55.5	265,689		0.0000	1.0000	8.08
56.5	298,698		0.0000	1.0000	8.08
57.5	298,698	7,429	0.0249	0.9751	8.08
58.5	291,479	2,610	0.0090	0.9910	7.88
59.5	288,868	16,063	0.0556	0.9444	7.81
60.5	275,233	26,773	0.0973	0.9027	7.37
61.5	333,935	1,771	0.0053	0.9947	6.66
62.5	332,528	19,920	0.0599	0.9401	6.62
63.5	421,923	2,168	0.0051	0.9949	6.22
64.5	416,854	7,390	0.0177	0.9823	6.19
65.5	409,464	33,211	0.0811	0.9189	6.08
66.5	376,253		0.0000	1.0000	5.59
67.5	328,226		0.0000	1.0000	5.59
68.5	328,226	70,885	0.2160	0.7840	5.59
69.5	126,341	2,428	0.0192	0.9808	4.38
70.5	123,913	14,590	0.1177	0.8823	4.30
71.5	109,315		0.0000	1.0000	3.79
72.5	109,315		0.0000	1.0000	3.79
73.5	109,315	109,315	1.0000		3.79
74.5					

AMEREN MISSOURI
 ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1967-2018

EXPERIENCE BAND 1967-2018

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	34,098,260		0.0000	1.0000	100.00
0.5	33,915,948		0.0000	1.0000	100.00
1.5	33,384,728		0.0000	1.0000	100.00
2.5	34,434,966		0.0000	1.0000	100.00
3.5	38,243,876	434,527	0.0114	0.9886	100.00
4.5	41,151,077	70,459	0.0017	0.9983	98.86
5.5	43,833,253	315,931	0.0072	0.9928	98.69
6.5	29,361,540	45,473	0.0015	0.9985	97.98
7.5	29,093,018		0.0000	1.0000	97.83
8.5	29,093,018	9,002	0.0003	0.9997	97.83
9.5	25,748,924		0.0000	1.0000	97.80
10.5	25,471,337	47,999	0.0019	0.9981	97.80
11.5	30,456,429	146,808	0.0048	0.9952	97.62
12.5	33,295,023	10,120	0.0003	0.9997	97.15
13.5	29,154,747	70,280	0.0024	0.9976	97.12
14.5	29,089,010		0.0000	1.0000	96.88
15.5	26,365,591	1,404	0.0001	0.9999	96.88
16.5	17,535,247		0.0000	1.0000	96.88
17.5	5,663,312	24,825	0.0044	0.9956	96.88
18.5	1,898,419	22,119	0.0117	0.9883	96.45
19.5	1,876,300	11,072	0.0059	0.9941	95.33
20.5	1,865,228	6,865	0.0037	0.9963	94.77
21.5	1,854,650	3,688	0.0020	0.9980	94.42
22.5	1,659,350	90,522	0.0546	0.9454	94.23
23.5	1,471,160		0.0000	1.0000	89.09
24.5	1,471,160		0.0000	1.0000	89.09
25.5	1,471,160		0.0000	1.0000	89.09
26.5	1,471,160		0.0000	1.0000	89.09
27.5	1,461,494		0.0000	1.0000	89.09
28.5	1,461,494		0.0000	1.0000	89.09
29.5	1,461,494		0.0000	1.0000	89.09
30.5	1,461,494		0.0000	1.0000	89.09
31.5	1,461,494		0.0000	1.0000	89.09
32.5	1,461,494	554	0.0004	0.9996	89.09
33.5	1,460,939	1,553	0.0011	0.9989	89.06
34.5	1,458,538	35,111	0.0241	0.9759	88.96
35.5	1,318,848		0.0000	1.0000	86.82
36.5	1,290,670		0.0000	1.0000	86.82
37.5	1,290,670	7,305	0.0057	0.9943	86.82
38.5	1,275,478		0.0000	1.0000	86.33

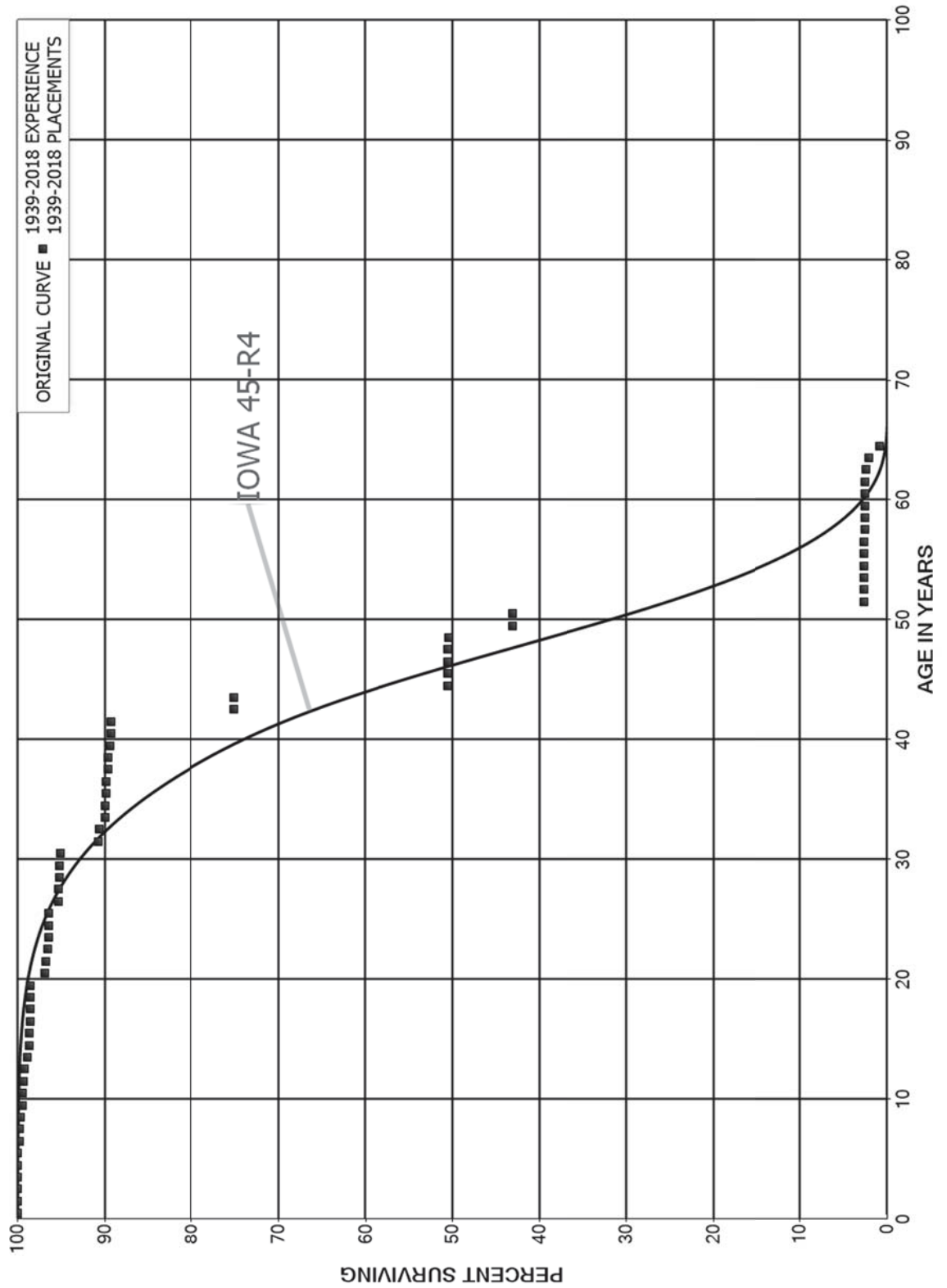
AMEREN MISSOURI

ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1967-2018			EXPERIENCE BAND 1967-2018		
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	1,275,478		0.0000	1.0000	86.33
40.5	840,021		0.0000	1.0000	86.33
41.5	840,021	375,903	0.4475	0.5525	86.33
42.5	464,118		0.0000	1.0000	47.70
43.5	366,584	63,520	0.1733	0.8267	47.70
44.5	69,830		0.0000	1.0000	39.43
45.5	63,582		0.0000	1.0000	39.43
46.5	63,582		0.0000	1.0000	39.43
47.5	63,582		0.0000	1.0000	39.43
48.5	63,582		0.0000	1.0000	39.43
49.5	63,582		0.0000	1.0000	39.43
50.5	63,582		0.0000	1.0000	39.43
51.5					39.43

AMEREN MISSOURI
 ACCOUNT 344 GENERATORS - OTHER CTS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 344 GENERATORS - OTHER CTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1939-2018			EXPERIENCE BAND 1939-2018		
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	853,694,761		0.0000	1.0000	100.00
0.5	851,321,711	106,413	0.0001	0.9999	100.00
1.5	851,367,509		0.0000	1.0000	99.99
2.5	848,295,222	387	0.0000	1.0000	99.99
3.5	1,005,165,913	61,234	0.0001	0.9999	99.99
4.5	1,086,203,910	164,016	0.0002	0.9998	99.98
5.5	1,067,543,152	2,072,005	0.0019	0.9981	99.97
6.5	1,052,107,420	467,046	0.0004	0.9996	99.77
7.5	1,050,853,794	936,454	0.0009	0.9991	99.73
8.5	1,049,159,428	2,347,018	0.0022	0.9978	99.64
9.5	1,046,328,271	1	0.0000	1.0000	99.42
10.5	1,040,195,208	1,770,447	0.0017	0.9983	99.42
11.5	1,004,685,673	1,031,583	0.0010	0.9990	99.25
12.5	980,775,707	3,329,865	0.0034	0.9966	99.15
13.5	829,386,708	2,040,425	0.0025	0.9975	98.81
14.5	827,586,707		0.0000	1.0000	98.57
15.5	643,300,691	290,664	0.0005	0.9995	98.57
16.5	413,838,986	6,959	0.0000	1.0000	98.52
17.5	128,582,499	9,233	0.0001	0.9999	98.52
18.5	38,742,459		0.0000	1.0000	98.51
19.5	38,742,459	674,103	0.0174	0.9826	98.51
20.5	38,068,356	28,058	0.0007	0.9993	96.80
21.5	38,040,298	75,576	0.0020	0.9980	96.73
22.5	37,964,721	75,477	0.0020	0.9980	96.53
23.5	37,859,561		0.0000	1.0000	96.34
24.5	37,859,561		0.0000	1.0000	96.34
25.5	37,859,561	395,071	0.0104	0.9896	96.34
26.5	37,464,490	15,750	0.0004	0.9996	95.34
27.5	37,448,740	30,852	0.0008	0.9992	95.30
28.5	37,415,872		0.0000	1.0000	95.22
29.5	37,415,872	48,816	0.0013	0.9987	95.22
30.5	37,367,056	1,735,871	0.0465	0.9535	95.09
31.5	35,631,185	6,994	0.0002	0.9998	90.68
32.5	35,624,191	269,583	0.0076	0.9924	90.66
33.5	35,354,608	20,330	0.0006	0.9994	89.97
34.5	35,334,278	39,877	0.0011	0.9989	89.92
35.5	35,294,401	1,062	0.0000	1.0000	89.82
36.5	35,293,339	83,863	0.0024	0.9976	89.82
37.5	35,209,476		0.0000	1.0000	89.60
38.5	35,209,476	96,831	0.0028	0.9972	89.60

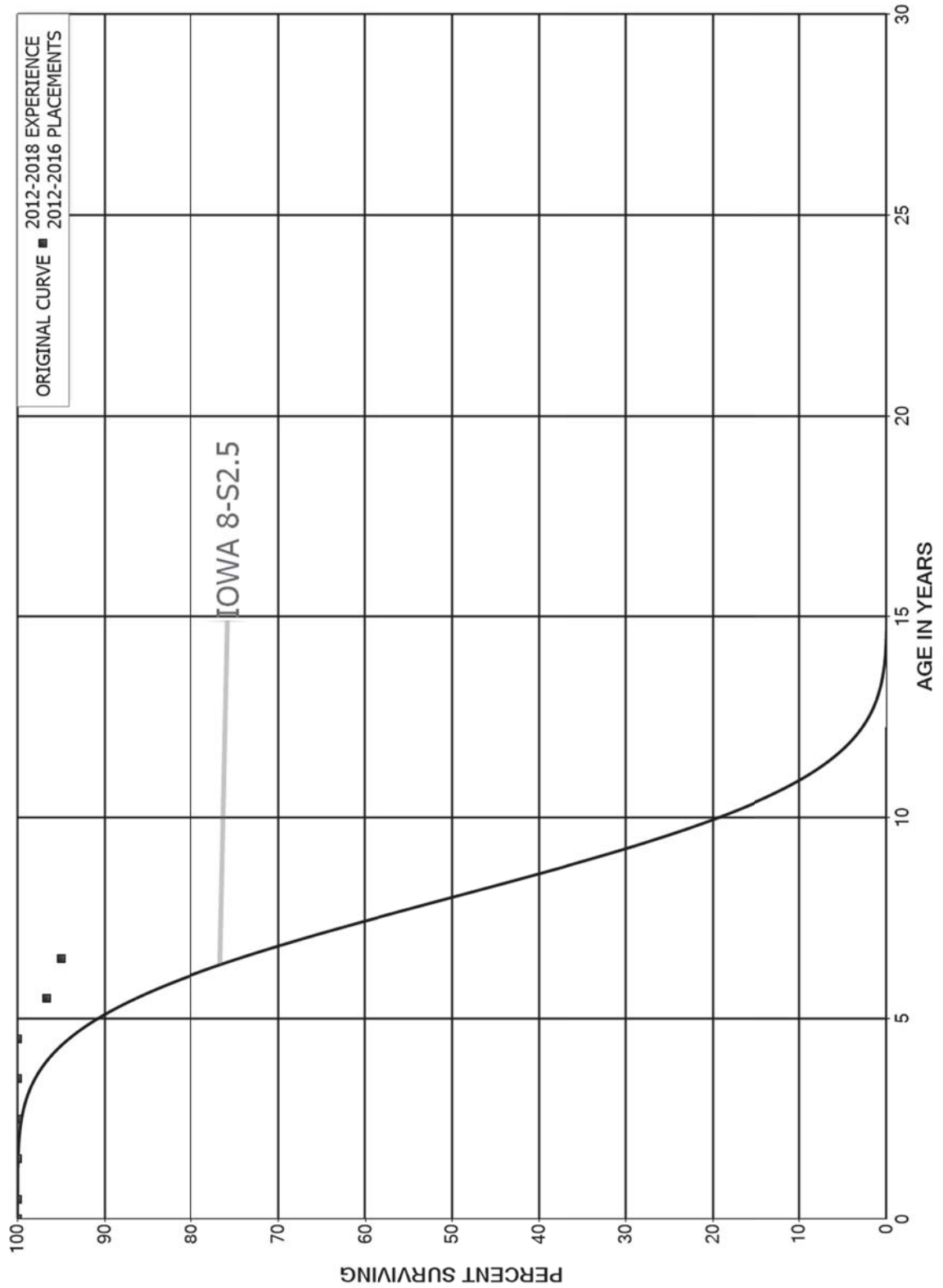
AMEREN MISSOURI

ACCOUNT 344 GENERATORS - OTHER CTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1939-2018			EXPERIENCE BAND 1939-2018			
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	35,086,296	8,960	0.0003	0.9997	89.36	
40.5	16,971,496	821	0.0000	1.0000	89.33	
41.5	16,970,675	2,709,601	0.1597	0.8403	89.33	
42.5	14,261,074		0.0000	1.0000	75.07	
43.5	14,261,074	4,675,444	0.3278	0.6722	75.07	
44.5	1,308,448		0.0000	1.0000	50.46	
45.5	1,308,448		0.0000	1.0000	50.46	
46.5	1,308,448		0.0000	1.0000	50.46	
47.5	1,308,448	2,924	0.0022	0.9978	50.46	
48.5	1,305,524	189,605	0.1452	0.8548	50.34	
49.5	1,115,919		0.0000	1.0000	43.03	
50.5	1,115,919	1,048,214	0.9393	0.0607	43.03	
51.5	66,659		0.0000	1.0000	2.61	
52.5	139,991		0.0000	1.0000	2.61	
53.5	481,256		0.0000	1.0000	2.61	
54.5	1,586,930		0.0000	1.0000	2.61	
55.5	2,322,804		0.0000	1.0000	2.61	
56.5	2,390,421	67,958	0.0284	0.9716	2.61	
57.5	2,325,175		0.0000	1.0000	2.54	
58.5	2,325,175		0.0000	1.0000	2.54	
59.5	2,325,175	1,275	0.0005	0.9995	2.54	
60.5	2,330,074	22,551	0.0097	0.9903	2.54	
61.5	2,319,481	72,057	0.0311	0.9689	2.51	
62.5	2,247,425	318,714	0.1418	0.8582	2.43	
63.5	1,928,711	1,108,961	0.5750	0.4250	2.09	
64.5	819,750	738,587	0.9010	0.0990	0.89	
65.5	81,164	63,031	0.7766	0.2234	0.09	
66.5	18,132		0.0000	1.0000	0.02	
67.5	18,132		0.0000	1.0000	0.02	
68.5	18,132		0.0000	1.0000	0.02	
69.5	18,132	6,174	0.3405	0.6595	0.02	
70.5	11,958	11,958	1.0000		0.01	
71.5						

AMEREN MISSOURI
 ACCOUNT 344 GENERATORS - MARYLAND HEIGHTS LANDFILL CTG
 ORIGINAL AND SMOOTH SURVIVOR CURVES



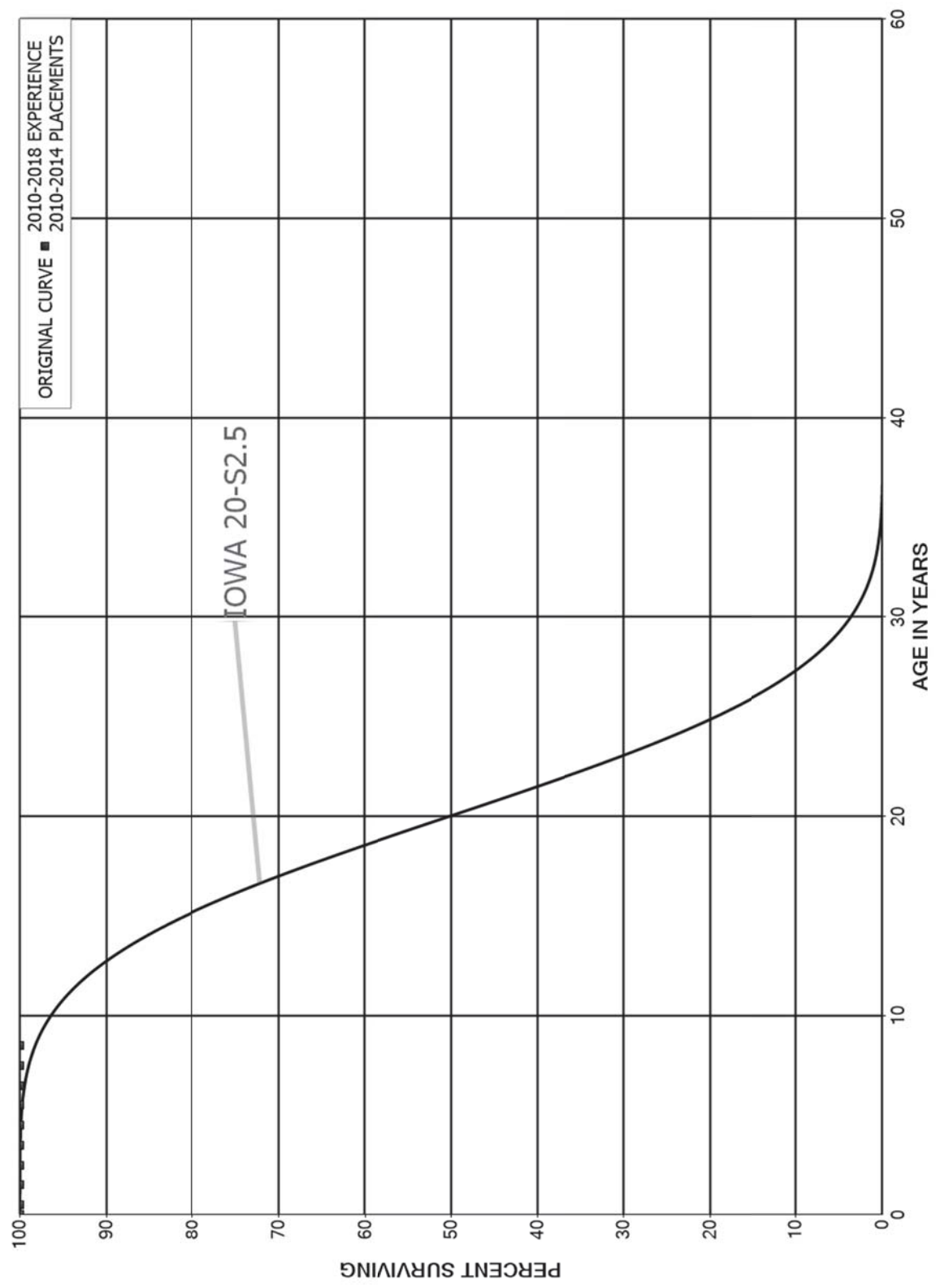
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ACCOUNT 344 GENERATORS - MARYLAND HEIGHTS LANDFILL CTG

ORIGINAL LIFE TABLE

PLACEMENT BAND 2012-2016			EXPERIENCE BAND 2012-2018		
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	8,710,814		0.0000	1.0000	100.00
0.5	8,710,814		0.0000	1.0000	100.00
1.5	8,710,814		0.0000	1.0000	100.00
2.5	5,868,116		0.0000	1.0000	100.00
3.5	5,868,116		0.0000	1.0000	100.00
4.5	5,868,116	195,604	0.0333	0.9667	100.00
5.5	5,672,512	97,802	0.0172	0.9828	96.67
6.5					95.00

AMEREN MISSOURI
 ACCOUNT 344 GENERATORS - SOLAR
 ORIGINAL AND SMOOTH SURVIVOR CURVES



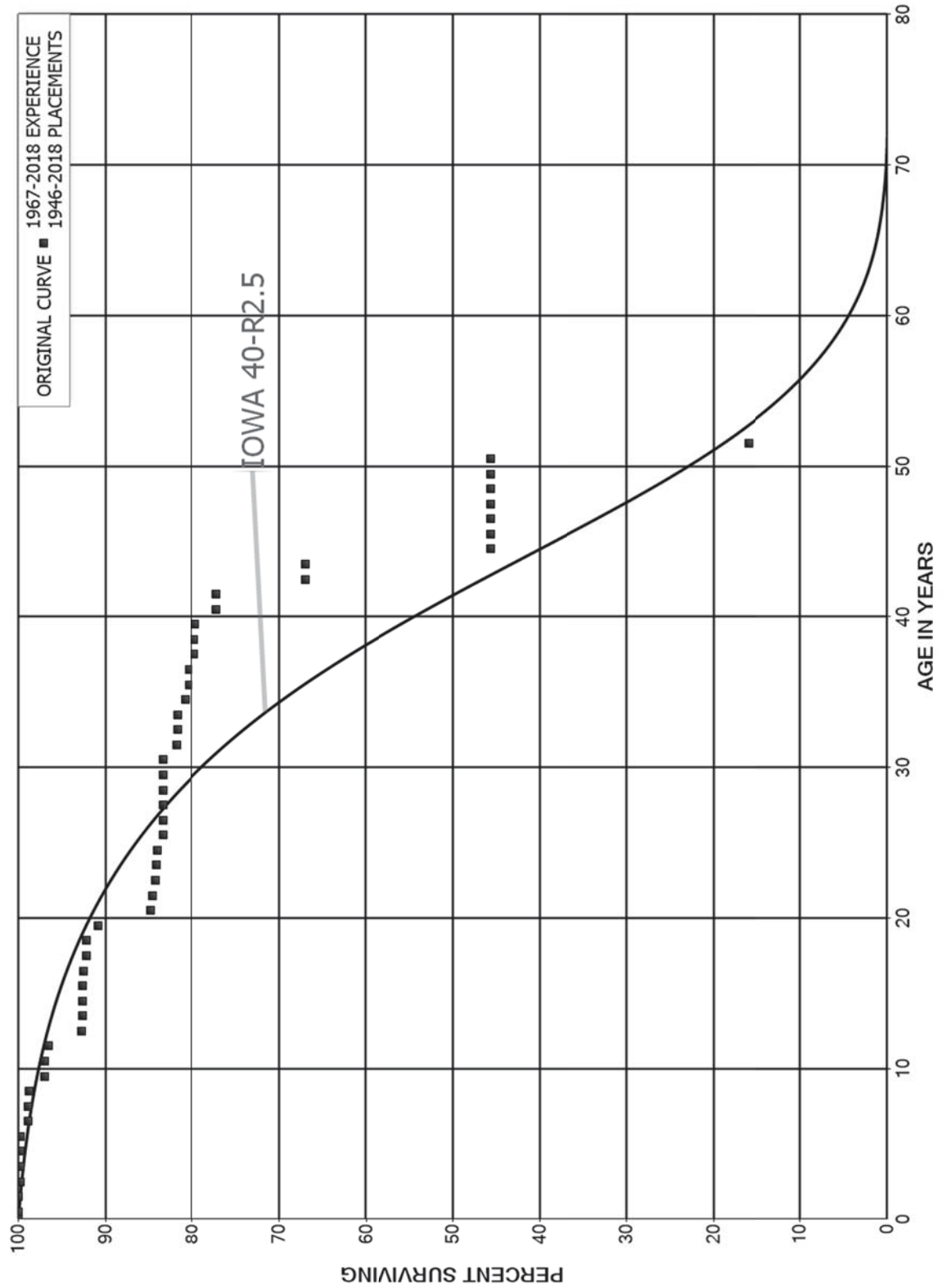
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ACCOUNT 344 GENERATORS - SOLAR

ORIGINAL LIFE TABLE

PLACEMENT BAND 2010-2014			EXPERIENCE BAND 2010-2018		
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	10,680,919		0.0000	1.0000	100.00
0.5	10,680,919		0.0000	1.0000	100.00
1.5	10,680,919		0.0000	1.0000	100.00
2.5	10,680,919		0.0000	1.0000	100.00
3.5	10,680,919		0.0000	1.0000	100.00
4.5	1,305,326		0.0000	1.0000	100.00
5.5	1,305,326		0.0000	1.0000	100.00
6.5	1,305,326		0.0000	1.0000	100.00
7.5	1,305,326		0.0000	1.0000	100.00
8.5					100.00

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 ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



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ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1946-2018

EXPERIENCE BAND 1967-2018

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	75,356,952		0.0000	1.0000	100.00
0.5	75,482,816	5,507	0.0001	0.9999	100.00
1.5	76,578,256	213,793	0.0028	0.9972	99.99
2.5	79,248,379	2	0.0000	1.0000	99.71
3.5	84,419,965	96	0.0000	1.0000	99.71
4.5	86,894,316	10,826	0.0001	0.9999	99.71
5.5	92,186,081	848,308	0.0092	0.9908	99.70
6.5	84,382,570		0.0000	1.0000	98.78
7.5	81,136,284	39,364	0.0005	0.9995	98.78
8.5	76,016,651	1,328,644	0.0175	0.9825	98.74
9.5	70,789,828	58,015	0.0008	0.9992	97.01
10.5	70,518,305	285,365	0.0040	0.9960	96.93
11.5	90,285,757	3,598,835	0.0399	0.9601	96.54
12.5	103,221,269	33,756	0.0003	0.9997	92.69
13.5	94,552,117	55,180	0.0006	0.9994	92.66
14.5	94,418,760		0.0000	1.0000	92.61
15.5	76,060,967	95,799	0.0013	0.9987	92.61
16.5	43,493,739	161,644	0.0037	0.9963	92.49
17.5	12,289,884		0.0000	1.0000	92.15
18.5	2,887,845	41,002	0.0142	0.9858	92.15
19.5	2,846,843	186,807	0.0656	0.9344	90.84
20.5	2,660,036	6,802	0.0026	0.9974	84.88
21.5	2,654,562	12,399	0.0047	0.9953	84.66
22.5	2,642,163	3,738	0.0014	0.9986	84.26
23.5	2,920,011	4,218	0.0014	0.9986	84.14
24.5	3,357,112	24,171	0.0072	0.9928	84.02
25.5	3,326,139		0.0000	1.0000	83.42
26.5	3,326,139		0.0000	1.0000	83.42
27.5	3,698,838		0.0000	1.0000	83.42
28.5	3,814,227		0.0000	1.0000	83.42
29.5	3,814,227		0.0000	1.0000	83.42
30.5	3,930,616	73,102	0.0186	0.9814	83.42
31.5	3,857,515	5,013	0.0013	0.9987	81.87
32.5	3,852,502		0.0000	1.0000	81.76
33.5	3,852,502	44,311	0.0115	0.9885	81.76
34.5	3,872,155	22,192	0.0057	0.9943	80.82
35.5	3,849,963	373	0.0001	0.9999	80.36
36.5	3,849,590	27,307	0.0071	0.9929	80.35
37.5	3,822,283		0.0000	1.0000	79.78
38.5	3,820,955	7,053	0.0018	0.9982	79.78

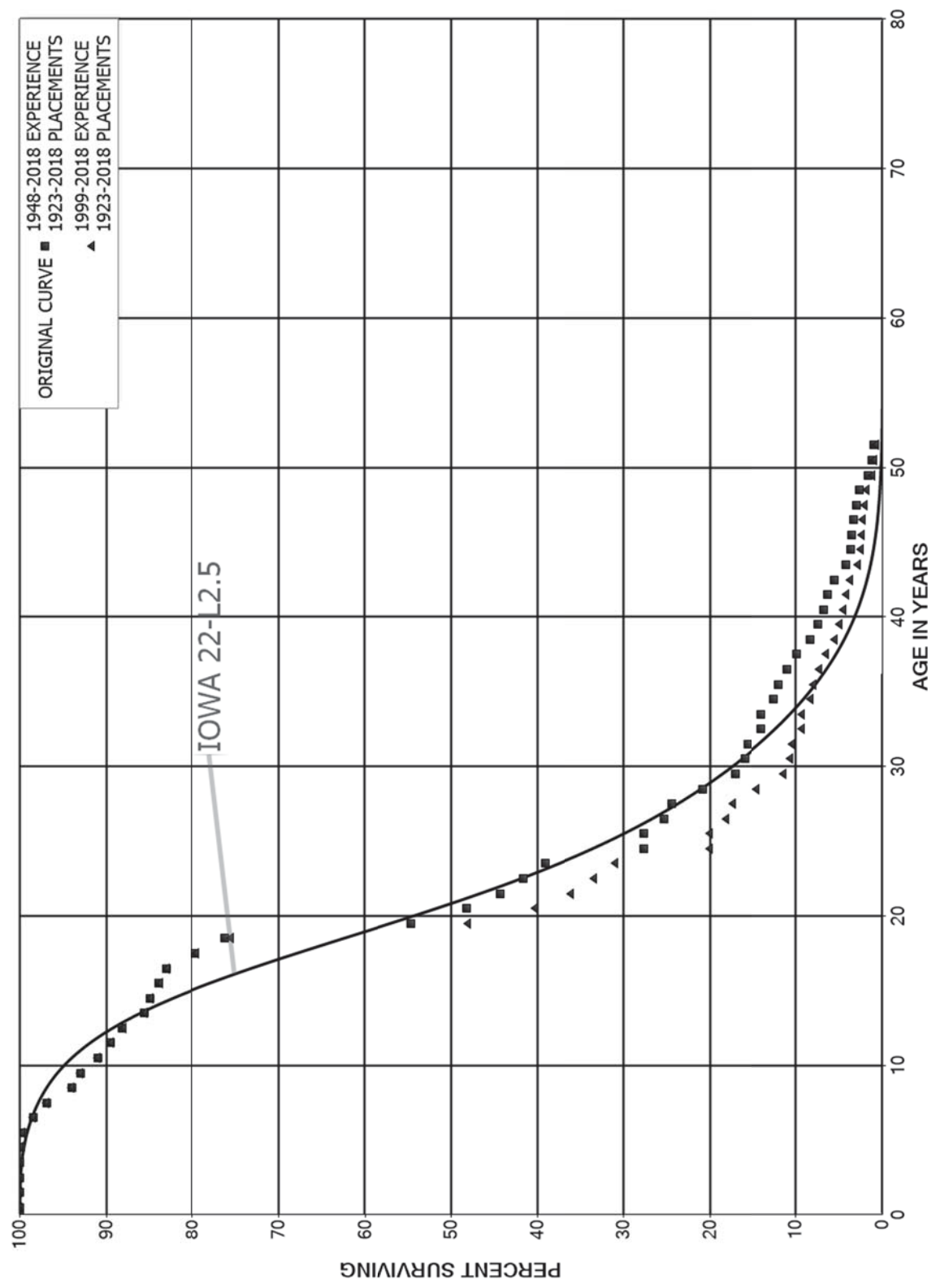
AMEREN MISSOURI

ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1946-2018			EXPERIENCE BAND 1967-2018		
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	3,813,902	116,390	0.0305	0.9695	79.63
40.5	2,304,878		0.0000	1.0000	77.20
41.5	1,863,559	247,872	0.1330	0.8670	77.20
42.5	1,615,687	617	0.0004	0.9996	66.93
43.5	1,615,070	513,837	0.3182	0.6818	66.91
44.5	233,779		0.0000	1.0000	45.62
45.5	233,779		0.0000	1.0000	45.62
46.5	233,779		0.0000	1.0000	45.62
47.5	233,779		0.0000	1.0000	45.62
48.5	233,779		0.0000	1.0000	45.62
49.5	233,779		0.0000	1.0000	45.62
50.5	233,779	152,343	0.6517	0.3483	45.62
51.5					15.89
52.5					
53.5					
54.5	139,133		0.0000		
55.5	190,407		0.0000		
56.5	190,407	31,676	0.1664		
57.5	220,255		0.0000		
58.5	220,255		0.0000		
59.5	220,255	26,274	0.1193		
60.5	193,981		0.0000		
61.5	193,981	107,457	0.5540		
62.5	86,524	51,274	0.5926		
63.5	35,250		0.0000		
64.5	35,250	35,250	1.0000		
65.5					

AMEREN MISSOURI
 ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018

EXPERIENCE BAND 1948-2018

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	5,536,320		0.0000	1.0000	100.00
0.5	4,341,460	2,075	0.0005	0.9995	100.00
1.5	4,493,713		0.0000	1.0000	99.95
2.5	4,601,637	230	0.0000	1.0000	99.95
3.5	4,627,972	3,576	0.0008	0.9992	99.95
4.5	4,448,725	12,004	0.0027	0.9973	99.87
5.5	5,087,560	61,058	0.0120	0.9880	99.60
6.5	3,738,927	60,077	0.0161	0.9839	98.41
7.5	3,318,562	97,717	0.0294	0.9706	96.82
8.5	3,098,768	32,568	0.0105	0.9895	93.97
9.5	2,980,511	63,648	0.0214	0.9786	92.99
10.5	2,800,600	44,633	0.0159	0.9841	91.00
11.5	3,849,520	61,323	0.0159	0.9841	89.55
12.5	4,186,062	117,037	0.0280	0.9720	88.12
13.5	3,939,312	29,957	0.0076	0.9924	85.66
14.5	3,753,975	48,472	0.0129	0.9871	85.01
15.5	2,973,168	28,891	0.0097	0.9903	83.91
16.5	1,192,453	47,927	0.0402	0.9598	83.09
17.5	390,347	17,314	0.0444	0.9556	79.75
18.5	208,563	59,163	0.2837	0.7163	76.22
19.5	151,756	17,831	0.1175	0.8825	54.60
20.5	141,396	11,542	0.0816	0.9184	48.18
21.5	144,509	8,516	0.0589	0.9411	44.25
22.5	136,986	8,404	0.0614	0.9386	41.64
23.5	140,126	41,190	0.2939	0.7061	39.09
24.5	99,989		0.0000	1.0000	27.60
25.5	104,526	8,771	0.0839	0.9161	27.60
26.5	96,472	3,387	0.0351	0.9649	25.28
27.5	96,086	14,031	0.1460	0.8540	24.39
28.5	83,649	15,236	0.1821	0.8179	20.83
29.5	73,166	4,744	0.0648	0.9352	17.04
30.5	74,573	1,534	0.0206	0.9794	15.93
31.5	80,773	8,283	0.1025	0.8975	15.60
32.5	78,828	202	0.0026	0.9974	14.00
33.5	86,899	9,121	0.1050	0.8950	13.97
34.5	83,651	3,711	0.0444	0.9556	12.50
35.5	89,856	7,907	0.0880	0.9120	11.95
36.5	83,135	8,261	0.0994	0.9006	10.90
37.5	77,889	11,922	0.1531	0.8469	9.81
38.5	70,243	7,397	0.1053	0.8947	8.31

AMEREN MISSOURI

ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1948-2018			
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	72,853	6,757	0.0928	0.9072	7.44	
40.5	64,917	4,838	0.0745	0.9255	6.75	
41.5	62,835	6,889	0.1096	0.8904	6.24	
42.5	60,836	15,047	0.2473	0.7527	5.56	
43.5	59,329	7,302	0.1231	0.8769	4.18	
44.5	104,030	5,721	0.0550	0.9450	3.67	
45.5	107,507	5,376	0.0500	0.9500	3.47	
46.5	119,749	12,420	0.1037	0.8963	3.29	
47.5	57,822	7,072	0.1223	0.8777	2.95	
48.5	56,499	22,173	0.3924	0.6076	2.59	
49.5	44,432	10,334	0.2326	0.7674	1.57	
50.5	48,698	8,001	0.1643	0.8357	1.21	
51.5	58,627	3,824	0.0652	0.9348	1.01	
52.5	75,691	9,065	0.1198	0.8802	0.94	
53.5	72,038	6,404	0.0889	0.9111	0.83	
54.5	67,014	9,955	0.1486	0.8514	0.76	
55.5	59,554	4,041	0.0679	0.9321	0.64	
56.5	56,541	7,243	0.1281	0.8719	0.60	
57.5	56,314	13,736	0.2439	0.7561	0.52	
58.5	42,134	14,361	0.3408	0.6592	0.40	
59.5	27,144	19,890	0.7328	0.2672	0.26	
60.5	15,219	2,899	0.1905	0.8095	0.07	
61.5	24,562	654	0.0266	0.9734	0.06	
62.5	23,037	206	0.0089	0.9911	0.05	
63.5	15,284	3,804	0.2489	0.7511	0.05	
64.5	10,303	7,077	0.6869	0.3131	0.04	
65.5	3,297	78	0.0236	0.9764	0.01	
66.5	3,102	215	0.0692	0.9308	0.01	
67.5	271	71	0.2612	0.7388	0.01	
68.5	274		0.0000	1.0000	0.01	
69.5	190	116	0.6128	0.3872	0.01	
70.5	73	73	1.0000		0.00	
71.5	53		0.0000	1.0000		
72.5	147		0.0000			
73.5	147	53	0.3603			
74.5	116	94	0.8112			
75.5	324		0.0000			
76.5	350	22	0.0626			
77.5	328	302	0.9210			
78.5	26	26	1.0000			

AMEREN MISSOURI

ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1948-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5					
80.5	28		0.0000		
81.5	28		0.0000		
82.5	28	28	1.0000		
83.5					

AMEREN MISSOURI

ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018

EXPERIENCE BAND 1999-2018

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	5,448,512		0.0000	1.0000	100.00
0.5	4,257,118	1,790	0.0004	0.9996	100.00
1.5	4,409,656		0.0000	1.0000	99.96
2.5	4,517,580		0.0000	1.0000	99.96
3.5	4,575,700	3,576	0.0008	0.9992	99.96
4.5	4,400,078	12,004	0.0027	0.9973	99.88
5.5	5,038,913	61,058	0.0121	0.9879	99.61
6.5	3,690,280	60,077	0.0163	0.9837	98.40
7.5	3,269,915	97,137	0.0297	0.9703	96.80
8.5	3,050,701	32,358	0.0106	0.9894	93.92
9.5	2,932,654	63,648	0.0217	0.9783	92.93
10.5	2,752,743	44,633	0.0162	0.9838	90.91
11.5	3,801,663	61,323	0.0161	0.9839	89.44
12.5	4,138,205	117,037	0.0283	0.9717	87.99
13.5	3,891,808	29,957	0.0077	0.9923	85.50
14.5	3,706,471	48,472	0.0131	0.9869	84.85
15.5	2,925,664	28,891	0.0099	0.9901	83.74
16.5	1,144,949	47,927	0.0419	0.9581	82.91
17.5	342,843	17,314	0.0505	0.9495	79.44
18.5	162,058	59,163	0.3651	0.6349	75.43
19.5	111,163	17,831	0.1604	0.8396	47.89
20.5	108,831	11,542	0.1061	0.8939	40.21
21.5	115,923	8,516	0.0735	0.9265	35.94
22.5	112,978	8,404	0.0744	0.9256	33.30
23.5	116,645	41,190	0.3531	0.6469	30.83
24.5	86,211		0.0000	1.0000	19.94
25.5	90,748	8,771	0.0967	0.9033	19.94
26.5	83,548	3,387	0.0405	0.9595	18.01
27.5	83,162	14,031	0.1687	0.8313	17.28
28.5	72,237	15,236	0.2109	0.7891	14.37
29.5	61,754	4,744	0.0768	0.9232	11.34
30.5	70,117	1,534	0.0219	0.9781	10.47
31.5	80,545	8,283	0.1028	0.8972	10.24
32.5	78,600	202	0.0026	0.9974	9.18
33.5	86,671	9,121	0.1052	0.8948	9.16
34.5	83,423	3,711	0.0445	0.9555	8.20
35.5	89,628	7,907	0.0882	0.9118	7.83
36.5	82,907	8,261	0.0996	0.9004	7.14
37.5	77,661	11,922	0.1535	0.8465	6.43
38.5	70,015	7,169	0.1024	0.8976	5.44

AMEREN MISSOURI

ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1999-2018			
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	72,853	6,757	0.0928	0.9072	4.89	
40.5	64,917	4,838	0.0745	0.9255	4.43	
41.5	62,835	6,889	0.1096	0.8904	4.10	
42.5	60,836	15,047	0.2473	0.7527	3.65	
43.5	59,329	7,302	0.1231	0.8769	2.75	
44.5	104,030	5,721	0.0550	0.9450	2.41	
45.5	107,507	5,376	0.0500	0.9500	2.28	
46.5	119,749	12,420	0.1037	0.8963	2.16	
47.5	57,822	7,072	0.1223	0.8777	1.94	
48.5	56,499	22,173	0.3924	0.6076	1.70	
49.5	44,432	10,334	0.2326	0.7674	1.03	
50.5	48,698	8,001	0.1643	0.8357	0.79	
51.5	58,627	3,824	0.0652	0.9348	0.66	
52.5	75,691	9,065	0.1198	0.8802	0.62	
53.5	72,038	6,404	0.0889	0.9111	0.55	
54.5	67,014	9,955	0.1486	0.8514	0.50	
55.5	59,554	4,041	0.0679	0.9321	0.42	
56.5	56,541	7,243	0.1281	0.8719	0.39	
57.5	56,314	13,736	0.2439	0.7561	0.34	
58.5	42,134	14,361	0.3408	0.6592	0.26	
59.5	27,144	19,890	0.7328	0.2672	0.17	
60.5	15,219	2,899	0.1905	0.8095	0.05	
61.5	24,562	654	0.0266	0.9734	0.04	
62.5	23,037	206	0.0089	0.9911	0.04	
63.5	15,284	3,804	0.2489	0.7511	0.04	
64.5	10,303	7,077	0.6869	0.3131	0.03	
65.5	3,297	78	0.0236	0.9764	0.01	
66.5	3,102	215	0.0692	0.9308	0.01	
67.5	271	71	0.2612	0.7388	0.01	
68.5	274		0.0000	1.0000	0.01	
69.5	190	116	0.6128	0.3872	0.01	
70.5	73	73	1.0000		0.00	
71.5	53		0.0000	1.0000		
72.5	147		0.0000			
73.5	147	53	0.3603			
74.5	116	94	0.8112			
75.5	324		0.0000			
76.5	350	22	0.0626			
77.5	328	302	0.9210			
78.5	26	26	1.0000			

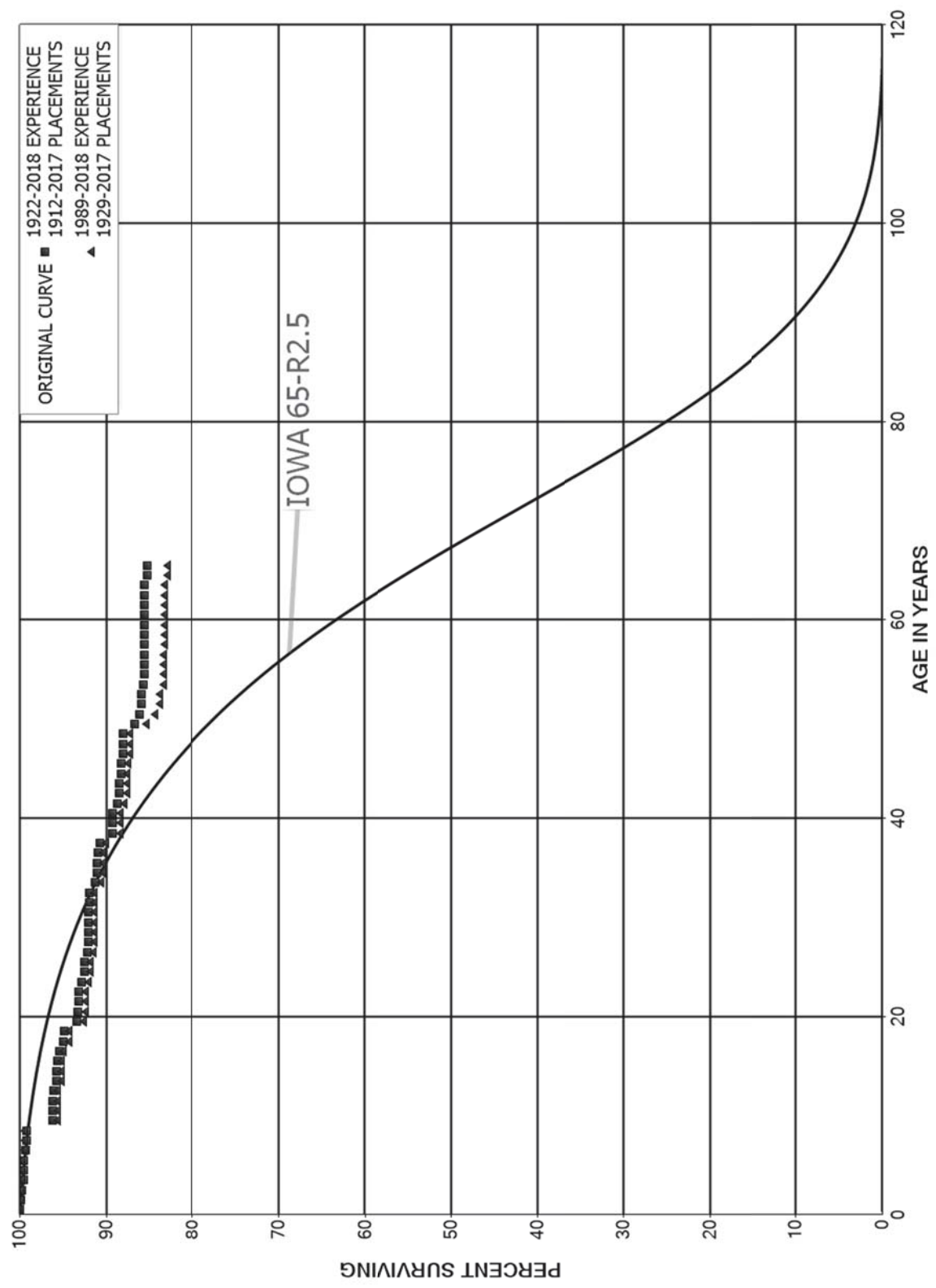
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ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1999-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5					
80.5	28		0.0000		
81.5	28		0.0000		
82.5	28	28	1.0000		
83.5					

AMEREN MISSOURI
 ACCOUNT 352 STRUCTURES AND IMPROVEMENTS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1912-2017			EXPERIENCE BAND 1922-2018		
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	9,616,316		0.0000	1.0000	100.00
0.5	9,617,012	13,387	0.0014	0.9986	100.00
1.5	7,908,307	9,083	0.0011	0.9989	99.86
2.5	7,972,810	16,225	0.0020	0.9980	99.75
3.5	7,419,754	362	0.0000	1.0000	99.54
4.5	7,424,879	1,077	0.0001	0.9999	99.54
5.5	7,394,938	19,081	0.0026	0.9974	99.52
6.5	7,375,870	3,062	0.0004	0.9996	99.27
7.5	7,324,875	5,587	0.0008	0.9992	99.23
8.5	7,311,105	216,047	0.0296	0.9704	99.15
9.5	7,096,302	3,049	0.0004	0.9996	96.22
10.5	7,055,640	4,268	0.0006	0.9994	96.18
11.5	7,040,601	2,179	0.0003	0.9997	96.12
12.5	6,446,284	23,260	0.0036	0.9964	96.09
13.5	6,211,987	1,667	0.0003	0.9997	95.74
14.5	6,210,320	3,388	0.0005	0.9995	95.72
15.5	6,010,257	15,877	0.0026	0.9974	95.67
16.5	5,898,256	30,963	0.0052	0.9948	95.41
17.5	5,848,749	5,831	0.0010	0.9990	94.91
18.5	5,563,656	81,637	0.0147	0.9853	94.82
19.5	4,996,365	7,680	0.0015	0.9985	93.43
20.5	4,988,685	5,131	0.0010	0.9990	93.28
21.5	4,964,718	2,431	0.0005	0.9995	93.19
22.5	4,962,287	18,201	0.0037	0.9963	93.14
23.5	4,944,086	14,316	0.0029	0.9971	92.80
24.5	4,876,101	2,312	0.0005	0.9995	92.53
25.5	4,871,746	15,579	0.0032	0.9968	92.49
26.5	4,857,581	6,181	0.0013	0.9987	92.19
27.5	4,851,400	915	0.0002	0.9998	92.07
28.5	4,827,417	784	0.0002	0.9998	92.06
29.5	4,824,679	1,024	0.0002	0.9998	92.04
30.5	4,821,191	4,647	0.0010	0.9990	92.02
31.5	4,790,322	995	0.0002	0.9998	91.93
32.5	4,754,674	32,790	0.0069	0.9931	91.91
33.5	2,775,361	7,749	0.0028	0.9972	91.28
34.5	2,767,612	8	0.0000	1.0000	91.03
35.5	2,498,984	1,755	0.0007	0.9993	91.03
36.5	2,299,778	5,617	0.0024	0.9976	90.96
37.5	2,262,423	35,638	0.0158	0.9842	90.74
38.5	1,803,745		0.0000	1.0000	89.31

AMEREN MISSOURI

ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1912-2017			EXPERIENCE BAND 1922-2018			
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	1,803,745	1,576	0.0009	0.9991	89.31	
40.5	1,788,500	9,730	0.0054	0.9946	89.23	
41.5	1,764,514	5,348	0.0030	0.9970	88.75	
42.5	1,689,595	62	0.0000	1.0000	88.48	
43.5	1,676,247	3,033	0.0018	0.9982	88.47	
44.5	1,473,396	645	0.0004	0.9996	88.31	
45.5	1,472,751	3,424	0.0023	0.9977	88.28	
46.5	1,242,948		0.0000	1.0000	88.07	
47.5	1,072,524		0.0000	1.0000	88.07	
48.5	977,528	14,497	0.0148	0.9852	88.07	
49.5	793,072	5,133	0.0065	0.9935	86.76	
50.5	620,761	2,001	0.0032	0.9968	86.20	
51.5	591,976		0.0000	1.0000	85.93	
52.5	575,981	1,519	0.0026	0.9974	85.93	
53.5	571,633	468	0.0008	0.9992	85.70	
54.5	571,165	62	0.0001	0.9999	85.63	
55.5	458,427		0.0000	1.0000	85.62	
56.5	432,531	150	0.0003	0.9997	85.62	
57.5	432,381		0.0000	1.0000	85.59	
58.5	432,381		0.0000	1.0000	85.59	
59.5	432,381		0.0000	1.0000	85.59	
60.5	423,528		0.0000	1.0000	85.59	
61.5	423,528		0.0000	1.0000	85.59	
62.5	423,528		0.0000	1.0000	85.59	
63.5	423,528	1,717	0.0041	0.9959	85.59	
64.5	421,811	53	0.0001	0.9999	85.24	
65.5	409,656		0.0000	1.0000	85.23	
66.5	386,063		0.0000	1.0000	85.23	
67.5	373,193		0.0000	1.0000	85.23	
68.5	373,193		0.0000	1.0000	85.23	
69.5	373,193		0.0000	1.0000	85.23	
70.5	373,193		0.0000	1.0000	85.23	
71.5	373,193		0.0000	1.0000	85.23	
72.5	373,193		0.0000	1.0000	85.23	
73.5	373,193		0.0000	1.0000	85.23	
74.5	321,446		0.0000	1.0000	85.23	
75.5	321,446		0.0000	1.0000	85.23	
76.5	321,446		0.0000	1.0000	85.23	
77.5	321,446		0.0000	1.0000	85.23	
78.5	321,446		0.0000	1.0000	85.23	

AMEREN MISSOURI

ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1912-2017			EXPERIENCE BAND 1922-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	321,446		0.0000	1.0000	85.23
80.5	321,446		0.0000	1.0000	85.23
81.5	321,446		0.0000	1.0000	85.23
82.5	321,446		0.0000	1.0000	85.23
83.5	321,446		0.0000	1.0000	85.23
84.5	321,446		0.0000	1.0000	85.23
85.5	321,446		0.0000	1.0000	85.23
86.5	321,446		0.0000	1.0000	85.23
87.5	321,446		0.0000	1.0000	85.23
88.5	138,222	138,222	1.0000		85.23
89.5					

AMEREN MISSOURI

ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1929-2017			EXPERIENCE BAND 1989-2018		
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	4,339,925		0.0000	1.0000	100.00
0.5	4,543,995	12,438	0.0027	0.9973	100.00
1.5	2,875,303	43	0.0000	1.0000	99.73
2.5	2,983,479	2,759	0.0009	0.9991	99.72
3.5	4,486,218	0	0.0000	1.0000	99.63
4.5	4,507,108		0.0000	1.0000	99.63
5.5	4,749,135	17,211	0.0036	0.9964	99.63
6.5	4,929,375	0	0.0000	1.0000	99.27
7.5	4,913,180		0.0000	1.0000	99.27
8.5	5,344,235	203,468	0.0381	0.9619	99.27
9.5	5,140,767		0.0000	1.0000	95.49
10.5	5,117,121		0.0000	1.0000	95.49
11.5	5,122,618		0.0000	1.0000	95.49
12.5	4,605,034	22,915	0.0050	0.9950	95.49
13.5	4,389,588		0.0000	1.0000	95.02
14.5	4,612,916		0.0000	1.0000	95.02
15.5	4,416,308	9,168	0.0021	0.9979	95.02
16.5	4,539,680	29,609	0.0065	0.9935	94.82
17.5	4,705,673	2,582	0.0005	0.9995	94.20
18.5	4,529,451	81,382	0.0180	0.9820	94.15
19.5	4,141,760	6,885	0.0017	0.9983	92.46
20.5	4,316,550	32	0.0000	1.0000	92.30
21.5	4,325,866	427	0.0001	0.9999	92.30
22.5	4,341,435	14,262	0.0033	0.9967	92.29
23.5	4,330,001	10,815	0.0025	0.9975	91.99
24.5	4,265,624	1,522	0.0004	0.9996	91.76
25.5	4,377,783	14,156	0.0032	0.9968	91.73
26.5	4,391,638	4,461	0.0010	0.9990	91.43
27.5	4,387,177	451	0.0001	0.9999	91.34
28.5	4,369,230		0.0000	1.0000	91.33
29.5	4,367,321		0.0000	1.0000	91.33
30.5	4,375,466	4,473	0.0010	0.9990	91.33
31.5	4,344,770	107	0.0000	1.0000	91.24
32.5	4,311,480	32,790	0.0076	0.9924	91.23
33.5	2,334,045	7,732	0.0033	0.9967	90.54
34.5	2,326,558		0.0000	1.0000	90.24
35.5	2,070,102		0.0000	1.0000	90.24
36.5	1,897,409	5,617	0.0030	0.9970	90.24
37.5	1,873,569	35,638	0.0190	0.9810	89.97
38.5	1,414,891		0.0000	1.0000	88.26

AMEREN MISSOURI

ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1929-2017			EXPERIENCE BAND 1989-2018			
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	1,414,891	357	0.0003	0.9997	88.26	
40.5	1,400,865	6,311	0.0045	0.9955	88.24	
41.5	1,380,298	5,006	0.0036	0.9964	87.84	
42.5	1,305,721	62	0.0000	1.0000	87.52	
43.5	1,297,752	808	0.0006	0.9994	87.52	
44.5	1,148,873	645	0.0006	0.9994	87.46	
45.5	1,148,228	2,846	0.0025	0.9975	87.42	
46.5	919,003		0.0000	1.0000	87.20	
47.5	748,641		0.0000	1.0000	87.20	
48.5	653,645	14,497	0.0222	0.9778	87.20	
49.5	469,339	5,133	0.0109	0.9891	85.27	
50.5	297,028	2,001	0.0067	0.9933	84.33	
51.5	268,243		0.0000	1.0000	83.76	
52.5	252,248	1,470	0.0058	0.9942	83.76	
53.5	247,949		0.0000	1.0000	83.28	
54.5	247,949	62	0.0003	0.9997	83.28	
55.5	135,211		0.0000	1.0000	83.26	
56.5	111,032	150	0.0014	0.9986	83.26	
57.5	110,882		0.0000	1.0000	83.14	
58.5	294,107		0.0000	1.0000	83.14	
59.5	432,328		0.0000	1.0000	83.14	
60.5	423,475		0.0000	1.0000	83.14	
61.5	423,475		0.0000	1.0000	83.14	
62.5	423,475		0.0000	1.0000	83.14	
63.5	423,475	1,717	0.0041	0.9959	83.14	
64.5	421,758		0.0000	1.0000	82.81	
65.5	409,656		0.0000	1.0000	82.81	
66.5	386,063		0.0000	1.0000	82.81	
67.5	373,193		0.0000	1.0000	82.81	
68.5	373,193		0.0000	1.0000	82.81	
69.5	373,193		0.0000	1.0000	82.81	
70.5	373,193		0.0000	1.0000	82.81	
71.5	373,193		0.0000	1.0000	82.81	
72.5	373,193		0.0000	1.0000	82.81	
73.5	373,193		0.0000	1.0000	82.81	
74.5	321,446		0.0000	1.0000	82.81	
75.5	321,446		0.0000	1.0000	82.81	
76.5	321,446		0.0000	1.0000	82.81	
77.5	321,446		0.0000	1.0000	82.81	
78.5	321,446		0.0000	1.0000	82.81	

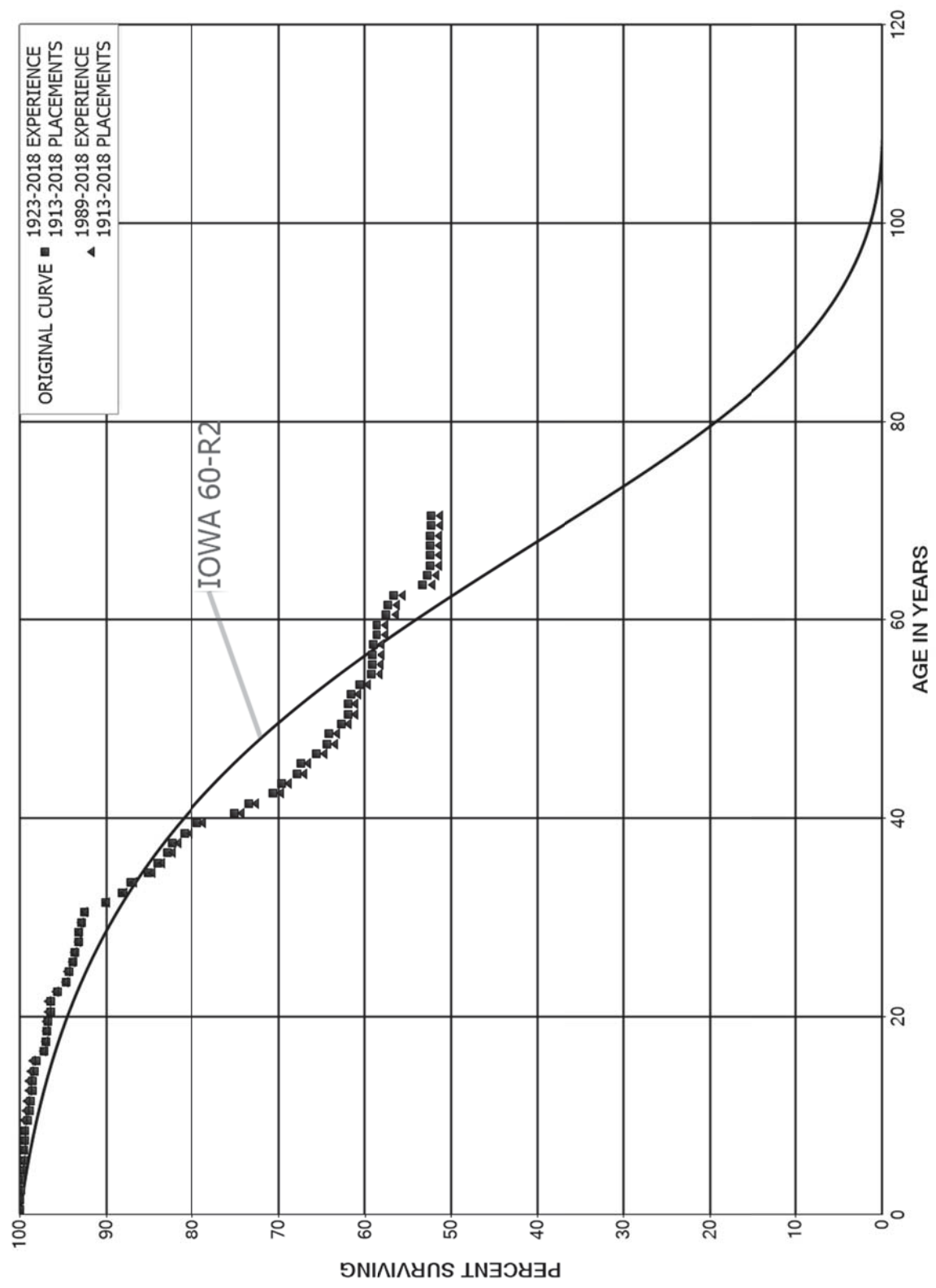
AMEREN MISSOURI

ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1929-2017			EXPERIENCE BAND 1989-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	321,446		0.0000	1.0000	82.81
80.5	321,446		0.0000	1.0000	82.81
81.5	321,446		0.0000	1.0000	82.81
82.5	321,446		0.0000	1.0000	82.81
83.5	321,446		0.0000	1.0000	82.81
84.5	321,446		0.0000	1.0000	82.81
85.5	321,446		0.0000	1.0000	82.81
86.5	321,446		0.0000	1.0000	82.81
87.5	321,446		0.0000	1.0000	82.81
88.5	138,222	138,222	1.0000		82.81
89.5					

AMEREN MISSOURI
 ACCOUNT 353 STATION EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 353 STATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1923-2018

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	447,157,231	4,542	0.0000	1.0000	100.00
0.5	437,907,373	290,287	0.0007	0.9993	100.00
1.5	424,293,748	282,774	0.0007	0.9993	99.93
2.5	378,939,656	170,230	0.0004	0.9996	99.87
3.5	349,237,224	492,882	0.0014	0.9986	99.82
4.5	332,948,889	595,617	0.0018	0.9982	99.68
5.5	325,598,341	91,169	0.0003	0.9997	99.50
6.5	320,048,958	150,136	0.0005	0.9995	99.47
7.5	303,837,104	247,205	0.0008	0.9992	99.43
8.5	277,205,788	935,204	0.0034	0.9966	99.35
9.5	271,693,465	504,336	0.0019	0.9981	99.01
10.5	231,797,668	357,475	0.0015	0.9985	98.83
11.5	224,360,190	284,096	0.0013	0.9987	98.68
12.5	211,649,115	187,803	0.0009	0.9991	98.55
13.5	193,714,165	390,349	0.0020	0.9980	98.46
14.5	182,062,600	306,144	0.0017	0.9983	98.26
15.5	166,084,054	1,574,990	0.0095	0.9905	98.10
16.5	142,458,028	404,645	0.0028	0.9972	97.17
17.5	134,236,907	88,964	0.0007	0.9993	96.89
18.5	125,705,804	139,683	0.0011	0.9989	96.83
19.5	119,129,155	371,100	0.0031	0.9969	96.72
20.5	116,596,314	81,943	0.0007	0.9993	96.42
21.5	115,572,352	903,300	0.0078	0.9922	96.35
22.5	111,032,111	1,191,799	0.0107	0.9893	95.60
23.5	108,906,042	282,337	0.0026	0.9974	94.57
24.5	105,800,554	581,315	0.0055	0.9945	94.33
25.5	102,671,065	200,116	0.0019	0.9981	93.81
26.5	101,705,778	467,960	0.0046	0.9954	93.63
27.5	99,991,953	48,460	0.0005	0.9995	93.20
28.5	99,937,372	291,240	0.0029	0.9971	93.15
29.5	96,898,163	382,135	0.0039	0.9961	92.88
30.5	95,397,934	2,521,605	0.0264	0.9736	92.51
31.5	91,613,207	1,945,730	0.0212	0.9788	90.07
32.5	89,522,550	1,047,685	0.0117	0.9883	88.15
33.5	70,775,590	1,554,997	0.0220	0.9780	87.12
34.5	65,549,859	855,612	0.0131	0.9869	85.21
35.5	59,620,102	801,291	0.0134	0.9866	84.10
36.5	55,449,011	409,843	0.0074	0.9926	82.97
37.5	54,742,221	911,517	0.0167	0.9833	82.35
38.5	48,876,444	931,544	0.0191	0.9809	80.98

AMEREN MISSOURI

ACCOUNT 353 STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1923-2018		
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	47,918,260	2,612,699	0.0545	0.9455	79.44
40.5	44,232,780	979,375	0.0221	0.9779	75.11
41.5	43,044,700	1,686,713	0.0392	0.9608	73.44
42.5	34,523,448	461,368	0.0134	0.9866	70.57
43.5	33,909,014	859,086	0.0253	0.9747	69.62
44.5	30,021,765	225,971	0.0075	0.9925	67.86
45.5	29,420,304	778,643	0.0265	0.9735	67.35
46.5	24,951,328	465,263	0.0186	0.9814	65.57
47.5	21,374,633	60,581	0.0028	0.9972	64.34
48.5	17,412,723	383,643	0.0220	0.9780	64.16
49.5	15,220,397	183,681	0.0121	0.9879	62.75
50.5	12,081,281	7,330	0.0006	0.9994	61.99
51.5	10,035,679	50,205	0.0050	0.9950	61.95
52.5	9,636,975	165,297	0.0172	0.9828	61.64
53.5	9,056,997	199,686	0.0220	0.9780	60.59
54.5	8,375,738	7,702	0.0009	0.9991	59.25
55.5	6,401,919	7,899	0.0012	0.9988	59.20
56.5	6,358,818	10,444	0.0016	0.9984	59.12
57.5	5,324,815	36,961	0.0069	0.9931	59.02
58.5	4,974,117	1,293	0.0003	0.9997	58.62
59.5	4,054,766	79,238	0.0195	0.9805	58.60
60.5	3,916,244	12,399	0.0032	0.9968	57.45
61.5	3,684,348	39,518	0.0107	0.9893	57.27
62.5	3,447,674	208,607	0.0605	0.9395	56.66
63.5	3,235,272	33,165	0.0103	0.9897	53.23
64.5	2,905,686	17,992	0.0062	0.9938	52.68
65.5	2,452,967		0.0000	1.0000	52.36
66.5	1,806,469		0.0000	1.0000	52.36
67.5	1,611,999		0.0000	1.0000	52.36
68.5	1,544,279	1,583	0.0010	0.9990	52.36
69.5	1,258,772		0.0000	1.0000	52.30
70.5	626,391		0.0000	1.0000	52.30
71.5	418,523		0.0000	1.0000	52.30
72.5	418,523		0.0000	1.0000	52.30
73.5	417,068		0.0000	1.0000	52.30
74.5	412,738		0.0000	1.0000	52.30
75.5	411,512		0.0000	1.0000	52.30
76.5	411,512		0.0000	1.0000	52.30
77.5	392,680		0.0000	1.0000	52.30
78.5	391,245		0.0000	1.0000	52.30

AMEREN MISSOURI

ACCOUNT 353 STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1923-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	374,476		0.0000	1.0000	52.30
80.5	361,512		0.0000	1.0000	52.30
81.5	361,475	20,824	0.0576	0.9424	52.30
82.5	340,575		0.0000	1.0000	49.29
83.5	340,575		0.0000	1.0000	49.29
84.5	340,074		0.0000	1.0000	49.29
85.5	340,074		0.0000	1.0000	49.29
86.5	327,156		0.0000	1.0000	49.29
87.5	228,773	33,451	0.1462	0.8538	49.29
88.5	134,415		0.0000	1.0000	42.08
89.5	57,402		0.0000	1.0000	42.08
90.5	57,402		0.0000	1.0000	42.08
91.5	57,402		0.0000	1.0000	42.08
92.5	57,402		0.0000	1.0000	42.08
93.5	56,398		0.0000	1.0000	42.08
94.5	54,366		0.0000	1.0000	42.08
95.5	54,366		0.0000	1.0000	42.08
96.5	54,366		0.0000	1.0000	42.08
97.5	53,475		0.0000	1.0000	42.08
98.5	51,667		0.0000	1.0000	42.08
99.5	51,667		0.0000	1.0000	42.08
100.5	48,571		0.0000	1.0000	42.08
101.5	48,571		0.0000	1.0000	42.08
102.5	47,742		0.0000	1.0000	42.08
103.5	47,270		0.0000	1.0000	42.08
104.5	47,270		0.0000	1.0000	42.08
105.5					42.08

AMEREN MISSOURI

ACCOUNT 353 STATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1989-2018

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	317,822,034	4,433	0.0000	1.0000	100.00
0.5	312,199,251	12,366	0.0000	1.0000	100.00
1.5	299,191,403	95,705	0.0003	0.9997	99.99
2.5	254,209,452	53,263	0.0002	0.9998	99.96
3.5	266,739,205	446,622	0.0017	0.9983	99.94
4.5	253,814,639	504,447	0.0020	0.9980	99.77
5.5	251,771,022	48,671	0.0002	0.9998	99.58
6.5	250,340,446	37,434	0.0001	0.9999	99.56
7.5	234,546,652	80,093	0.0003	0.9997	99.54
8.5	212,587,492	223,795	0.0011	0.9989	99.51
9.5	207,766,242	469,669	0.0023	0.9977	99.40
10.5	168,298,052	271,379	0.0016	0.9984	99.18
11.5	162,546,239	212,247	0.0013	0.9987	99.02
12.5	160,241,572	109,445	0.0007	0.9993	98.89
13.5	142,544,764	265,923	0.0019	0.9981	98.82
14.5	134,932,952	295,758	0.0022	0.9978	98.64
15.5	120,658,585	1,460,471	0.0121	0.9879	98.42
16.5	105,808,445	295,216	0.0028	0.9972	97.23
17.5	101,427,754	76,790	0.0008	0.9992	96.96
18.5	99,555,079	40,251	0.0004	0.9996	96.89
19.5	95,836,100	199,529	0.0021	0.9979	96.85
20.5	98,385,580	76,934	0.0008	0.9992	96.64
21.5	100,671,382	890,456	0.0088	0.9912	96.57
22.5	96,498,251	1,096,663	0.0114	0.9886	95.71
23.5	95,533,919	269,394	0.0028	0.9972	94.63
24.5	92,925,197	520,126	0.0056	0.9944	94.36
25.5	92,568,487	196,179	0.0021	0.9979	93.83
26.5	91,643,413	465,747	0.0051	0.9949	93.63
27.5	92,073,421	48,452	0.0005	0.9995	93.16
28.5	92,341,035	291,240	0.0032	0.9968	93.11
29.5	90,497,641	378,553	0.0042	0.9958	92.81
30.5	89,125,682	2,519,962	0.0283	0.9717	92.43
31.5	86,004,695	1,942,375	0.0226	0.9774	89.81
32.5	84,207,073	1,034,858	0.0123	0.9877	87.78
33.5	65,485,113	1,554,885	0.0237	0.9763	86.71
34.5	60,900,370	854,178	0.0140	0.9860	84.65
35.5	55,987,292	799,569	0.0143	0.9857	83.46
36.5	53,023,029	409,591	0.0077	0.9923	82.27
37.5	52,581,643	911,517	0.0173	0.9827	81.63
38.5	46,790,912	931,194	0.0199	0.9801	80.22

AMEREN MISSOURI

ACCOUNT 353 STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1989-2018		
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	46,117,002	2,611,847	0.0566	0.9434	78.62
40.5	42,784,525	978,797	0.0229	0.9771	74.17
41.5	41,877,564	1,671,872	0.0399	0.9601	72.47
42.5	33,371,204	412,034	0.0123	0.9877	69.58
43.5	32,807,560	848,675	0.0259	0.9741	68.72
44.5	28,935,052	200,798	0.0069	0.9931	66.94
45.5	28,359,989	778,643	0.0275	0.9725	66.48
46.5	23,891,522	462,988	0.0194	0.9806	64.65
47.5	20,338,076	60,581	0.0030	0.9970	63.40
48.5	16,377,772	361,309	0.0221	0.9779	63.21
49.5	14,234,992	161,345	0.0113	0.9887	61.82
50.5	11,131,177	1,308	0.0001	0.9999	61.11
51.5	9,091,633	50,205	0.0055	0.9945	61.11
52.5	8,693,006	165,297	0.0190	0.9810	60.77
53.5	8,113,027	199,686	0.0246	0.9754	59.61
54.5	7,432,270	7,702	0.0010	0.9990	58.15
55.5	5,458,453	7,899	0.0014	0.9986	58.09
56.5	5,431,026	10,444	0.0019	0.9981	58.00
57.5	5,050,843	36,708	0.0073	0.9927	57.89
58.5	4,819,022	1,293	0.0003	0.9997	57.47
59.5	3,997,365	79,238	0.0198	0.9802	57.46
60.5	3,858,842	12,399	0.0032	0.9968	56.32
61.5	3,626,946	39,518	0.0109	0.9891	56.14
62.5	3,390,272	208,607	0.0615	0.9385	55.52
63.5	3,178,874	33,165	0.0104	0.9896	52.11
64.5	2,851,320	17,992	0.0063	0.9937	51.56
65.5	2,398,601		0.0000	1.0000	51.24
66.5	1,752,103		0.0000	1.0000	51.24
67.5	1,558,524		0.0000	1.0000	51.24
68.5	1,492,612	1,583	0.0011	0.9989	51.24
69.5	1,207,105		0.0000	1.0000	51.18
70.5	577,819		0.0000	1.0000	51.18
71.5	369,952		0.0000	1.0000	51.18
72.5	370,781		0.0000	1.0000	51.18
73.5	369,799		0.0000	1.0000	51.18
74.5	365,468		0.0000	1.0000	51.18
75.5	411,512		0.0000	1.0000	51.18
76.5	411,512		0.0000	1.0000	51.18
77.5	392,680		0.0000	1.0000	51.18
78.5	391,245		0.0000	1.0000	51.18

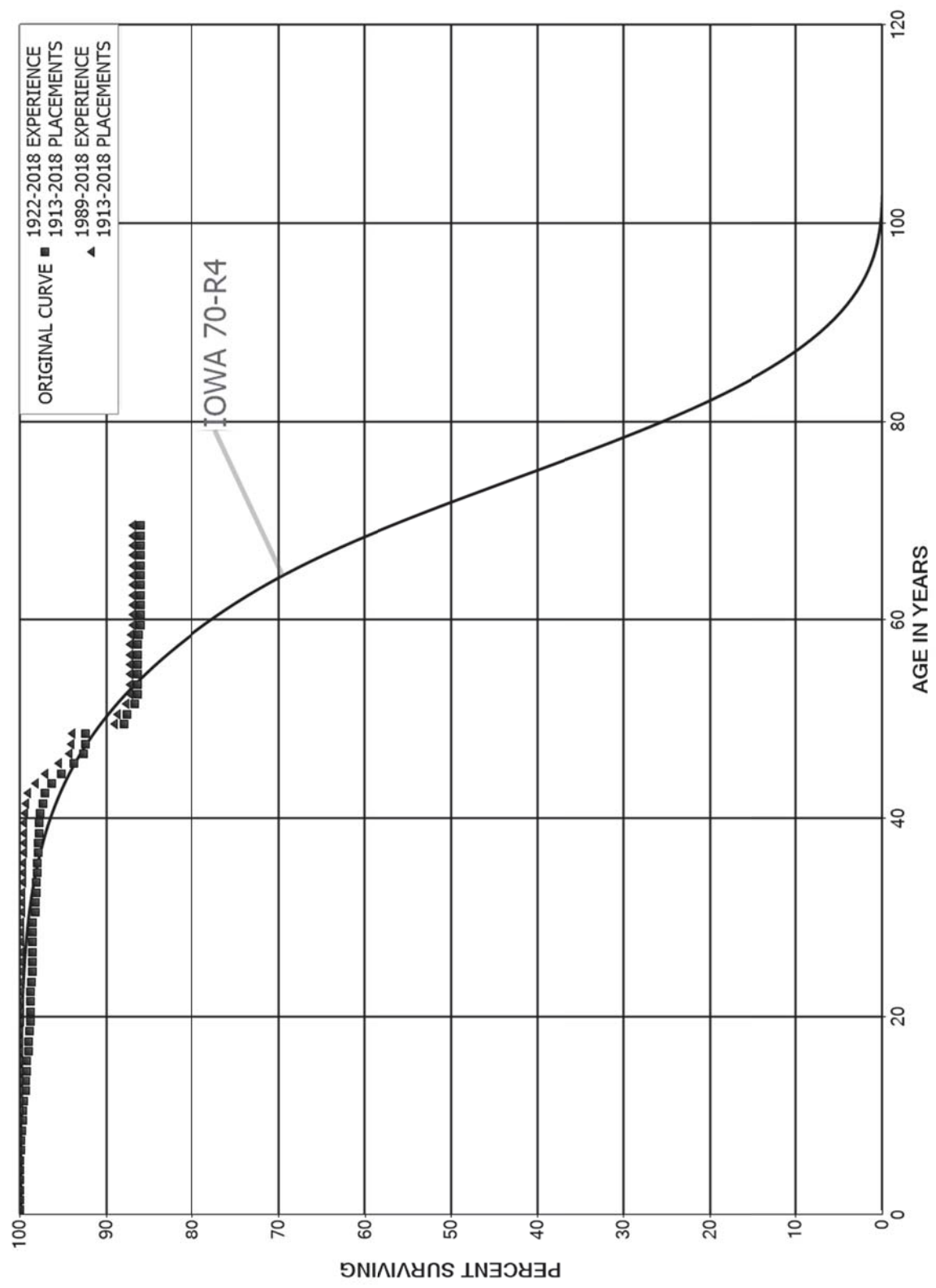
AMEREN MISSOURI

ACCOUNT 353 STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1989-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	374,476		0.0000	1.0000	51.18
80.5	361,512		0.0000	1.0000	51.18
81.5	361,475	20,824	0.0576	0.9424	51.18
82.5	340,575		0.0000	1.0000	48.24
83.5	340,575		0.0000	1.0000	48.24
84.5	340,074		0.0000	1.0000	48.24
85.5	340,074		0.0000	1.0000	48.24
86.5	327,156		0.0000	1.0000	48.24
87.5	228,773	33,451	0.1462	0.8538	48.24
88.5	134,415		0.0000	1.0000	41.18
89.5	57,402		0.0000	1.0000	41.18
90.5	57,402		0.0000	1.0000	41.18
91.5	57,402		0.0000	1.0000	41.18
92.5	57,402		0.0000	1.0000	41.18
93.5	56,398		0.0000	1.0000	41.18
94.5	54,366		0.0000	1.0000	41.18
95.5	54,366		0.0000	1.0000	41.18
96.5	54,366		0.0000	1.0000	41.18
97.5	53,475		0.0000	1.0000	41.18
98.5	51,667		0.0000	1.0000	41.18
99.5	51,667		0.0000	1.0000	41.18
100.5	48,571		0.0000	1.0000	41.18
101.5	48,571		0.0000	1.0000	41.18
102.5	47,742		0.0000	1.0000	41.18
103.5	47,270		0.0000	1.0000	41.18
104.5	47,270		0.0000	1.0000	41.18
105.5					41.18

AMEREN MISSOURI
 ACCOUNT 354 TOWERS AND FIXTURES
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 354 TOWERS AND FIXTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1922-2018

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	114,968,186		0.0000	1.0000	100.00
0.5	107,895,133	2,141	0.0000	1.0000	100.00
1.5	107,376,723	1,540	0.0000	1.0000	100.00
2.5	88,738,709	1,750	0.0000	1.0000	100.00
3.5	88,736,959	3,279	0.0000	1.0000	99.99
4.5	88,498,593	6,791	0.0001	0.9999	99.99
5.5	88,561,262	109,620	0.0012	0.9988	99.98
6.5	88,446,612	59,167	0.0007	0.9993	99.86
7.5	88,096,943	71,621	0.0008	0.9992	99.79
8.5	73,531,835	55,893	0.0008	0.9992	99.71
9.5	73,468,813	18,535	0.0003	0.9997	99.64
10.5	72,553,294	55,039	0.0008	0.9992	99.61
11.5	72,515,283	148,229	0.0020	0.9980	99.54
12.5	68,781,193	28,767	0.0004	0.9996	99.33
13.5	68,689,975	96,554	0.0014	0.9986	99.29
14.5	68,593,421		0.0000	1.0000	99.15
15.5	68,593,421	101,735	0.0015	0.9985	99.15
16.5	68,491,686	67,268	0.0010	0.9990	99.00
17.5	68,424,418	77,554	0.0011	0.9989	98.91
18.5	73,856,694	14,544	0.0002	0.9998	98.79
19.5	71,164,751	35,665	0.0005	0.9995	98.77
20.5	72,026,069	12,788	0.0002	0.9998	98.73
21.5	72,012,394		0.0000	1.0000	98.71
22.5	71,596,022	84,843	0.0012	0.9988	98.71
23.5	69,638,544	29,907	0.0004	0.9996	98.59
24.5	69,178,947		0.0000	1.0000	98.55
25.5	62,626,831	17,860	0.0003	0.9997	98.55
26.5	62,589,364		0.0000	1.0000	98.52
27.5	62,221,361	142	0.0000	1.0000	98.52
28.5	62,213,984	3,659	0.0001	0.9999	98.52
29.5	62,133,131	241,162	0.0039	0.9961	98.51
30.5	61,769,459		0.0000	1.0000	98.13
31.5	61,540,989	41,723	0.0007	0.9993	98.13
32.5	61,464,557	17,176	0.0003	0.9997	98.07
33.5	47,440,449	38,429	0.0008	0.9992	98.04
34.5	47,187,175	12,005	0.0003	0.9997	97.96
35.5	46,928,299	31,186	0.0007	0.9993	97.93
36.5	45,865,039	442	0.0000	1.0000	97.87
37.5	45,613,639	56,871	0.0012	0.9988	97.87
38.5	42,867,600	14,274	0.0003	0.9997	97.75

AMEREN MISSOURI

ACCOUNT 354 TOWERS AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1922-2018		
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	42,790,857	50,951	0.0012	0.9988	97.71
40.5	42,542,255	143,354	0.0034	0.9966	97.60
41.5	42,115,131	103,185	0.0025	0.9975	97.27
42.5	37,920,232	293,949	0.0078	0.9922	97.03
43.5	37,378,009	434,907	0.0116	0.9884	96.28
44.5	34,709,808	526,401	0.0152	0.9848	95.16
45.5	32,497,084	386,669	0.0119	0.9881	93.71
46.5	31,918,670	61,723	0.0019	0.9981	92.60
47.5	29,591,254	19,010	0.0006	0.9994	92.42
48.5	25,599,768	1,231,777	0.0481	0.9519	92.36
49.5	22,382,497	70,631	0.0032	0.9968	87.92
50.5	19,000,709	194,494	0.0102	0.9898	87.64
51.5	17,318,980	71,666	0.0041	0.9959	86.74
52.5	16,157,664		0.0000	1.0000	86.38
53.5	12,717,702		0.0000	1.0000	86.38
54.5	11,377,037		0.0000	1.0000	86.38
55.5	9,195,752		0.0000	1.0000	86.38
56.5	9,153,566	192	0.0000	1.0000	86.38
57.5	8,806,475	10,523	0.0012	0.9988	86.38
58.5	7,129,738	16,553	0.0023	0.9977	86.28
59.5	7,078,541		0.0000	1.0000	86.08
60.5	6,062,096		0.0000	1.0000	86.08
61.5	3,798,666		0.0000	1.0000	86.08
62.5	3,718,660		0.0000	1.0000	86.08
63.5	3,718,660		0.0000	1.0000	86.08
64.5	3,587,764	1,963	0.0005	0.9995	86.08
65.5	3,678,788	760	0.0002	0.9998	86.03
66.5	3,385,153		0.0000	1.0000	86.01
67.5	2,932,860		0.0000	1.0000	86.01
68.5	2,171,562		0.0000	1.0000	86.01
69.5	2,171,562		0.0000	1.0000	86.01
70.5	2,171,562		0.0000	1.0000	86.01
71.5	2,171,562		0.0000	1.0000	86.01
72.5	2,171,562		0.0000	1.0000	86.01
73.5	2,171,562		0.0000	1.0000	86.01
74.5	2,171,562		0.0000	1.0000	86.01
75.5	2,171,562		0.0000	1.0000	86.01
76.5	1,746,687		0.0000	1.0000	86.01
77.5	1,746,687		0.0000	1.0000	86.01
78.5	1,746,687		0.0000	1.0000	86.01

AMEREN MISSOURI

ACCOUNT 354 TOWERS AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1922-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,746,687		0.0000	1.0000	86.01
80.5	1,746,687		0.0000	1.0000	86.01
81.5	1,746,687		0.0000	1.0000	86.01
82.5	1,746,687		0.0000	1.0000	86.01
83.5	1,746,687		0.0000	1.0000	86.01
84.5	1,746,687	31,771	0.0182	0.9818	86.01
85.5	1,714,917		0.0000	1.0000	84.45
86.5	1,714,917		0.0000	1.0000	84.45
87.5	1,099,182		0.0000	1.0000	84.45
88.5	1,099,182	5,150	0.0047	0.9953	84.45
89.5	859,742		0.0000	1.0000	84.05
90.5	859,742		0.0000	1.0000	84.05
91.5	859,742		0.0000	1.0000	84.05
92.5	859,742		0.0000	1.0000	84.05
93.5	584,532		0.0000	1.0000	84.05
94.5	584,532		0.0000	1.0000	84.05
95.5	584,532		0.0000	1.0000	84.05
96.5	584,532		0.0000	1.0000	84.05
97.5	584,532		0.0000	1.0000	84.05
98.5	584,532	677	0.0012	0.9988	84.05
99.5	583,855		0.0000	1.0000	83.96
100.5	583,855		0.0000	1.0000	83.96
101.5	583,855		0.0000	1.0000	83.96
102.5	583,855		0.0000	1.0000	83.96
103.5	583,855	8,041	0.0138	0.9862	83.96
104.5	575,814		0.0000	1.0000	82.80
105.5					82.80

AMEREN MISSOURI

ACCOUNT 354 TOWERS AND FIXTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1989-2018		
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	52,723,838		0.0000	1.0000	100.00
0.5	45,836,863	422	0.0000	1.0000	100.00
1.5	45,548,642		0.0000	1.0000	100.00
2.5	26,939,749	1,750	0.0001	0.9999	100.00
3.5	40,944,930	3,279	0.0001	0.9999	99.99
4.5	40,710,572	4,690	0.0001	0.9999	99.98
5.5	41,154,732		0.0000	1.0000	99.97
6.5	41,314,469		0.0000	1.0000	99.97
7.5	41,274,925	1,682	0.0000	1.0000	99.97
8.5	29,443,425	17,610	0.0006	0.9994	99.97
9.5	29,481,155	11,413	0.0004	0.9996	99.91
10.5	28,785,472		0.0000	1.0000	99.87
11.5	29,111,999		0.0000	1.0000	99.87
12.5	29,739,129		0.0000	1.0000	99.87
13.5	29,924,953	25,728	0.0009	0.9991	99.87
14.5	32,132,519		0.0000	1.0000	99.78
15.5	33,818,841		0.0000	1.0000	99.78
16.5	34,050,291		0.0000	1.0000	99.78
17.5	36,977,127		0.0000	1.0000	99.78
18.5	47,315,675	11,141	0.0002	0.9998	99.78
19.5	47,387,164		0.0000	1.0000	99.76
20.5	51,771,174		0.0000	1.0000	99.76
21.5	53,662,802		0.0000	1.0000	99.76
22.5	54,336,080		0.0000	1.0000	99.76
23.5	56,104,831		0.0000	1.0000	99.76
24.5	57,213,817		0.0000	1.0000	99.76
25.5	52,976,529	11,531	0.0002	0.9998	99.76
26.5	52,990,242		0.0000	1.0000	99.74
27.5	52,969,139		0.0000	1.0000	99.74
28.5	54,637,326		0.0000	1.0000	99.74
29.5	54,595,070	54,630	0.0010	0.9990	99.74
30.5	55,434,375		0.0000	1.0000	99.64
31.5	57,503,741	38,958	0.0007	0.9993	99.64
32.5	57,510,190	16,441	0.0003	0.9997	99.57
33.5	43,486,818	34,534	0.0008	0.9992	99.54
34.5	43,368,334		0.0000	1.0000	99.46
35.5	43,162,817	29,676	0.0007	0.9993	99.46
36.5	42,270,073	294	0.0000	1.0000	99.40
37.5	42,471,874	5,967	0.0001	0.9999	99.40
38.5	40,531,748	4,250	0.0001	0.9999	99.38

AMEREN MISSOURI

ACCOUNT 354 TOWERS AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1989-2018		
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	40,472,962	38,889	0.0010	0.9990	99.37
40.5	40,237,024	39,704	0.0010	0.9990	99.28
41.5	39,913,549	103,185	0.0026	0.9974	99.18
42.5	35,718,651	293,949	0.0082	0.9918	98.92
43.5	35,176,427	427,841	0.0122	0.9878	98.11
44.5	32,515,292	524,571	0.0161	0.9839	96.91
45.5	30,304,399	386,669	0.0128	0.9872	95.35
46.5	29,725,984	61,723	0.0021	0.9979	94.13
47.5	27,398,568	19,010	0.0007	0.9993	93.94
48.5	23,407,082	1,231,777	0.0526	0.9474	93.87
49.5	20,190,004	70,631	0.0035	0.9965	88.93
50.5	16,808,216	194,494	0.0116	0.9884	88.62
51.5	15,143,040	70,503	0.0047	0.9953	87.60
52.5	13,982,887		0.0000	1.0000	87.19
53.5	10,542,924		0.0000	1.0000	87.19
54.5	9,202,259		0.0000	1.0000	87.19
55.5	7,020,974		0.0000	1.0000	87.19
56.5	6,978,788	192	0.0000	1.0000	87.19
57.5	7,704,077	9,209	0.0012	0.9988	87.19
58.5	6,028,653	16,553	0.0027	0.9973	87.08
59.5	6,216,897		0.0000	1.0000	86.84
60.5	5,200,452		0.0000	1.0000	86.84
61.5	2,937,022		0.0000	1.0000	86.84
62.5	2,857,016		0.0000	1.0000	86.84
63.5	3,132,227		0.0000	1.0000	86.84
64.5	3,001,331	61	0.0000	1.0000	86.84
65.5	3,094,257	760	0.0002	0.9998	86.84
66.5	2,800,621		0.0000	1.0000	86.82
67.5	2,348,328		0.0000	1.0000	86.82
68.5	1,587,030		0.0000	1.0000	86.82
69.5	1,587,030		0.0000	1.0000	86.82
70.5	1,587,030		0.0000	1.0000	86.82
71.5	1,587,030		0.0000	1.0000	86.82
72.5	1,587,030		0.0000	1.0000	86.82
73.5	1,587,030		0.0000	1.0000	86.82
74.5	1,587,030		0.0000	1.0000	86.82
75.5	2,171,562		0.0000	1.0000	86.82
76.5	1,746,687		0.0000	1.0000	86.82
77.5	1,746,687		0.0000	1.0000	86.82
78.5	1,746,687		0.0000	1.0000	86.82

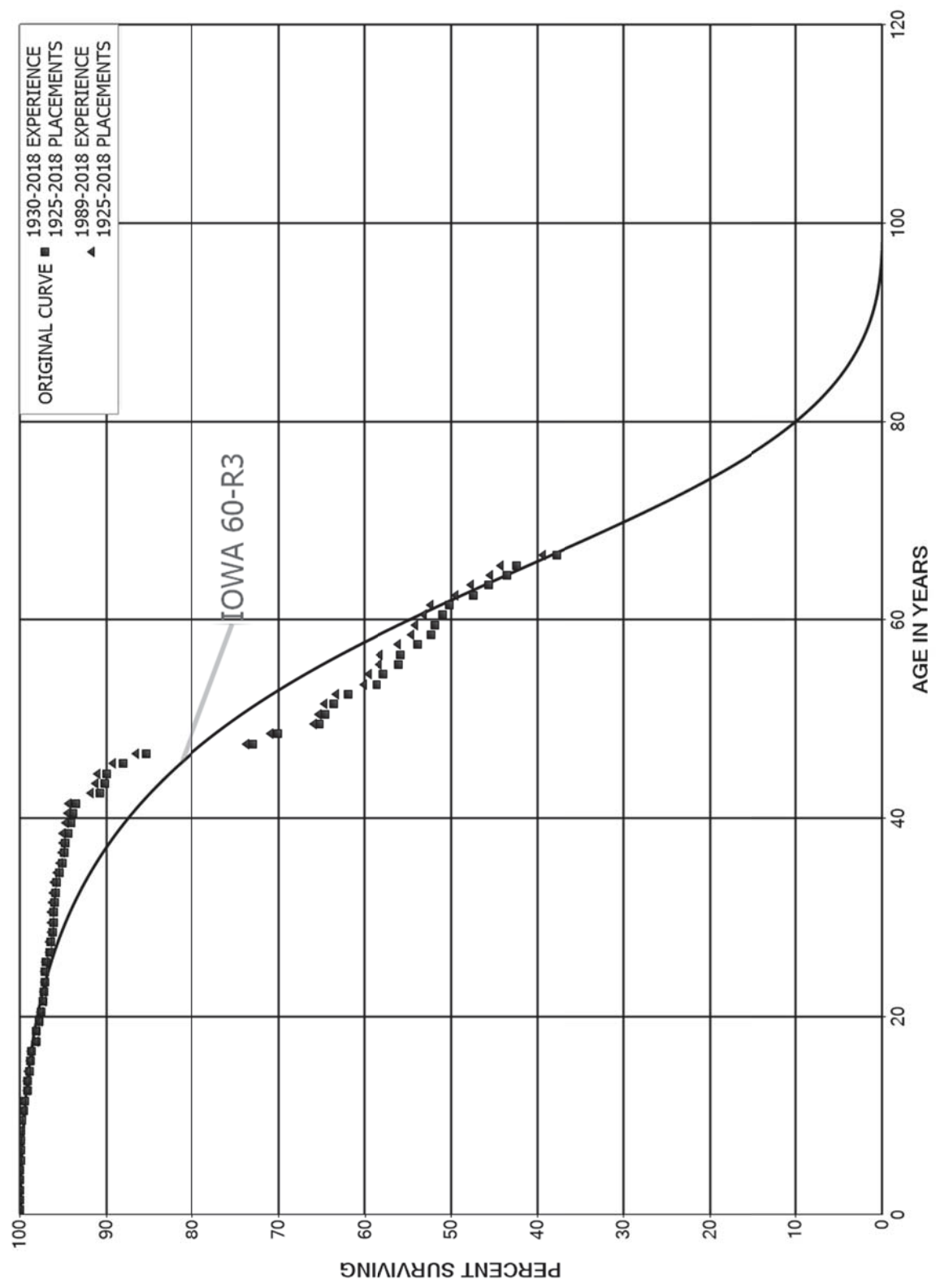
AMEREN MISSOURI

ACCOUNT 354 TOWERS AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1989-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,746,687		0.0000	1.0000	86.82
80.5	1,746,687		0.0000	1.0000	86.82
81.5	1,746,687		0.0000	1.0000	86.82
82.5	1,746,687		0.0000	1.0000	86.82
83.5	1,746,687		0.0000	1.0000	86.82
84.5	1,746,687	31,771	0.0182	0.9818	86.82
85.5	1,714,917		0.0000	1.0000	85.24
86.5	1,714,917		0.0000	1.0000	85.24
87.5	1,099,182		0.0000	1.0000	85.24
88.5	1,099,182	5,150	0.0047	0.9953	85.24
89.5	859,742		0.0000	1.0000	84.84
90.5	859,742		0.0000	1.0000	84.84
91.5	859,742		0.0000	1.0000	84.84
92.5	859,742		0.0000	1.0000	84.84
93.5	584,532		0.0000	1.0000	84.84
94.5	584,532		0.0000	1.0000	84.84
95.5	584,532		0.0000	1.0000	84.84
96.5	584,532		0.0000	1.0000	84.84
97.5	584,532		0.0000	1.0000	84.84
98.5	584,532	677	0.0012	0.9988	84.84
99.5	583,855		0.0000	1.0000	84.74
100.5	583,855		0.0000	1.0000	84.74
101.5	583,855		0.0000	1.0000	84.74
102.5	583,855		0.0000	1.0000	84.74
103.5	583,855	8,041	0.0138	0.9862	84.74
104.5	575,814		0.0000	1.0000	83.58
105.5					83.58

AMEREN MISSOURI
 ACCOUNT 355 POLES AND FIXTURES
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 355 POLES AND FIXTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1925-2018

EXPERIENCE BAND 1930-2018

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	431,799,943	1,376	0.0000	1.0000	100.00
0.5	397,339,933	132,659	0.0003	0.9997	100.00
1.5	377,636,765	39,092	0.0001	0.9999	99.97
2.5	314,656,413	125,937	0.0004	0.9996	99.96
3.5	309,263,690	10,729	0.0000	1.0000	99.92
4.5	218,768,001	55,945	0.0003	0.9997	99.91
5.5	160,098,033	46,942	0.0003	0.9997	99.89
6.5	150,693,706	31,515	0.0002	0.9998	99.86
7.5	139,688,022	45,526	0.0003	0.9997	99.84
8.5	136,387,156	40,112	0.0003	0.9997	99.80
9.5	134,576,508	375,221	0.0028	0.9972	99.77
10.5	128,368,780	111,085	0.0009	0.9991	99.50
11.5	126,174,909	476,290	0.0038	0.9962	99.41
12.5	106,219,190	26,361	0.0002	0.9998	99.04
13.5	96,312,908	144,784	0.0015	0.9985	99.01
14.5	93,075,425	177,407	0.0019	0.9981	98.86
15.5	84,289,928	93,697	0.0011	0.9989	98.67
16.5	76,135,078	346,481	0.0046	0.9954	98.56
17.5	71,449,144	64,835	0.0009	0.9991	98.12
18.5	64,381,287	231,216	0.0036	0.9964	98.03
19.5	59,687,824	79,197	0.0013	0.9987	97.67
20.5	62,020,182	172,635	0.0028	0.9972	97.54
21.5	57,821,306	41,589	0.0007	0.9993	97.27
22.5	56,682,997	66,379	0.0012	0.9988	97.20
23.5	55,426,402	37,094	0.0007	0.9993	97.09
24.5	46,201,743	35,050	0.0008	0.9992	97.02
25.5	45,692,074	205,587	0.0045	0.9955	96.95
26.5	43,928,426	74,266	0.0017	0.9983	96.51
27.5	44,314,288	69,948	0.0016	0.9984	96.35
28.5	43,115,439	37,709	0.0009	0.9991	96.20
29.5	41,481,047	12,026	0.0003	0.9997	96.12
30.5	38,139,731	51,607	0.0014	0.9986	96.09
31.5	37,742,304	53,988	0.0014	0.9986	95.96
32.5	34,676,007	21,374	0.0006	0.9994	95.82
33.5	34,271,585	132,395	0.0039	0.9961	95.76
34.5	33,351,417	112,840	0.0034	0.9966	95.39
35.5	32,194,889	71,271	0.0022	0.9978	95.07
36.5	30,785,079	41,253	0.0013	0.9987	94.86
37.5	30,626,230	103,335	0.0034	0.9966	94.73
38.5	29,631,372	122,746	0.0041	0.9959	94.41

AMEREN MISSOURI

ACCOUNT 355 POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1925-2018			EXPERIENCE BAND 1930-2018		
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	26,042,323	65,504	0.0025	0.9975	94.02
40.5	25,828,921	70,706	0.0027	0.9973	93.78
41.5	25,589,329	760,640	0.0297	0.9703	93.53
42.5	23,203,062	153,971	0.0066	0.9934	90.75
43.5	22,921,733	58,494	0.0026	0.9974	90.14
44.5	19,184,804	389,270	0.0203	0.9797	89.91
45.5	16,652,119	505,108	0.0303	0.9697	88.09
46.5	13,983,635	2,044,783	0.1462	0.8538	85.42
47.5	11,146,231	435,973	0.0391	0.9609	72.93
48.5	9,347,003	643,811	0.0689	0.9311	70.08
49.5	7,033,086	70,446	0.0100	0.9900	65.25
50.5	6,148,437	91,776	0.0149	0.9851	64.59
51.5	4,491,564	117,286	0.0261	0.9739	63.63
52.5	4,152,809	223,802	0.0539	0.9461	61.97
53.5	3,120,076	44,445	0.0142	0.9858	58.63
54.5	3,061,984	90,173	0.0294	0.9706	57.79
55.5	2,562,045	10,903	0.0043	0.9957	56.09
56.5	2,533,435	92,668	0.0366	0.9634	55.85
57.5	2,401,484	67,069	0.0279	0.9721	53.81
58.5	1,820,541	15,301	0.0084	0.9916	52.31
59.5	1,806,755	33,366	0.0185	0.9815	51.87
60.5	1,761,407	24,299	0.0138	0.9862	50.91
61.5	1,016,028	57,964	0.0570	0.9430	50.21
62.5	831,426	29,603	0.0356	0.9644	47.34
63.5	796,188	37,426	0.0470	0.9530	45.66
64.5	787,475	20,401	0.0259	0.9741	43.51
65.5	525,623	57,782	0.1099	0.8901	42.38
66.5	46,535	1,563	0.0336	0.9664	37.73
67.5	43,989		0.0000	1.0000	36.46
68.5	43,911		0.0000	1.0000	36.46
69.5	42,666		0.0000	1.0000	36.46
70.5	42,666		0.0000	1.0000	36.46
71.5	42,613		0.0000	1.0000	36.46
72.5	42,613		0.0000	1.0000	36.46
73.5	42,035		0.0000	1.0000	36.46
74.5	42,035	799	0.0190	0.9810	36.46
75.5	40,751	126	0.0031	0.9969	35.77
76.5	465,625		0.0000	1.0000	35.65
77.5	465,625		0.0000	1.0000	35.65
78.5	465,625		0.0000	1.0000	35.65

AMEREN MISSOURI

ACCOUNT 355 POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1925-2018			EXPERIENCE BAND 1930-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	465,542		0.0000	1.0000	35.65
80.5	464,690	512	0.0011	0.9989	35.65
81.5	464,178		0.0000	1.0000	35.62
82.5	464,002		0.0000	1.0000	35.62
83.5	463,873	1,593	0.0034	0.9966	35.62
84.5	462,280	33	0.0001	0.9999	35.49
85.5	461,698		0.0000	1.0000	35.49
86.5	426,099		0.0000	1.0000	35.49
87.5	1,225		0.0000	1.0000	35.49
88.5	1,225		0.0000	1.0000	35.49
89.5	1,225		0.0000	1.0000	35.49
90.5	1,225		0.0000	1.0000	35.49
91.5	1,225		0.0000	1.0000	35.49
92.5	1,225		0.0000	1.0000	35.49
93.5					35.49

AMEREN MISSOURI

ACCOUNT 355 POLES AND FIXTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1925-2018

EXPERIENCE BAND 1989-2018

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	390,820,695	879	0.0000	1.0000	100.00
0.5	359,740,573	82,661	0.0002	0.9998	100.00
1.5	340,537,749	26,220	0.0001	0.9999	99.98
2.5	279,022,469	34,220	0.0001	0.9999	99.97
3.5	274,108,807	5,343	0.0000	1.0000	99.96
4.5	184,312,320	40,517	0.0002	0.9998	99.95
5.5	126,636,806	30,479	0.0002	0.9998	99.93
6.5	118,589,629	16,845	0.0001	0.9999	99.91
7.5	107,754,321	24,244	0.0002	0.9998	99.89
8.5	105,013,938	4,482	0.0000	1.0000	99.87
9.5	106,479,647	329,648	0.0031	0.9969	99.87
10.5	100,384,681	81,953	0.0008	0.9992	99.56
11.5	98,474,511	435,393	0.0044	0.9956	99.48
12.5	80,180,248	5,337	0.0001	0.9999	99.04
13.5	70,437,693	74,092	0.0011	0.9989	99.03
14.5	71,551,400	154,176	0.0022	0.9978	98.93
15.5	65,235,756	75,119	0.0012	0.9988	98.71
16.5	59,364,988	339,675	0.0057	0.9943	98.60
17.5	55,939,916	39,401	0.0007	0.9993	98.04
18.5	50,523,664	194,990	0.0039	0.9961	97.97
19.5	48,626,979	52,475	0.0011	0.9989	97.59
20.5	52,196,830	155,440	0.0030	0.9970	97.48
21.5	51,391,798	26,919	0.0005	0.9995	97.19
22.5	50,696,552	47,834	0.0009	0.9991	97.14
23.5	50,621,263	2,002	0.0000	1.0000	97.05
24.5	41,447,624	19,673	0.0005	0.9995	97.05
25.5	41,599,902	193,440	0.0047	0.9953	97.00
26.5	39,873,485	29,959	0.0008	0.9992	96.55
27.5	40,327,727	59,745	0.0015	0.9985	96.48
28.5	39,883,021	24,349	0.0006	0.9994	96.33
29.5	38,306,957	6,442	0.0002	0.9998	96.28
30.5	35,013,563	37,748	0.0011	0.9989	96.26
31.5	35,707,680	50,658	0.0014	0.9986	96.16
32.5	32,861,128	17,874	0.0005	0.9995	96.02
33.5	32,495,707	126,467	0.0039	0.9961	95.97
34.5	31,607,082	109,531	0.0035	0.9965	95.59
35.5	30,915,570	62,250	0.0020	0.9980	95.26
36.5	30,080,841	31,675	0.0011	0.9989	95.07
37.5	29,935,247	24,230	0.0008	0.9992	94.97
38.5	29,019,572	85,070	0.0029	0.9971	94.89

AMEREN MISSOURI

ACCOUNT 355 POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1925-2018			EXPERIENCE BAND 1989-2018		
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	25,469,400	44,794	0.0018	0.9982	94.61
40.5	25,276,780	32,578	0.0013	0.9987	94.45
41.5	25,147,918	682,019	0.0271	0.9729	94.33
42.5	22,840,273	149,418	0.0065	0.9935	91.77
43.5	22,565,667	46,876	0.0021	0.9979	91.17
44.5	18,840,356	384,374	0.0204	0.9796	90.98
45.5	16,318,093	484,035	0.0297	0.9703	89.12
46.5	13,673,999	2,033,144	0.1487	0.8513	86.48
47.5	10,848,235	414,662	0.0382	0.9618	73.62
48.5	9,070,317	638,076	0.0703	0.9297	70.81
49.5	6,762,220	50,078	0.0074	0.9926	65.83
50.5	5,903,057	68,262	0.0116	0.9884	65.34
51.5	4,269,728	86,321	0.0202	0.9798	64.58
52.5	3,962,130	202,869	0.0512	0.9488	63.28
53.5	2,950,459	26,257	0.0089	0.9911	60.04
54.5	2,910,555	59,136	0.0203	0.9797	59.50
55.5	2,442,480	3,311	0.0014	0.9986	58.29
56.5	2,533,052	92,668	0.0366	0.9634	58.21
57.5	2,401,484	67,069	0.0279	0.9721	56.09
58.5	1,820,541	15,301	0.0084	0.9916	54.52
59.5	1,806,755	33,366	0.0185	0.9815	54.06
60.5	1,761,407	24,299	0.0138	0.9862	53.06
61.5	1,016,028	57,964	0.0570	0.9430	52.33
62.5	831,426	29,603	0.0356	0.9644	49.34
63.5	796,188	37,426	0.0470	0.9530	47.59
64.5	787,475	20,401	0.0259	0.9741	45.35
65.5	525,623	57,782	0.1099	0.8901	44.18
66.5	46,535	1,563	0.0336	0.9664	39.32
67.5	43,989		0.0000	1.0000	38.00
68.5	43,911		0.0000	1.0000	38.00
69.5	42,666		0.0000	1.0000	38.00
70.5	42,666		0.0000	1.0000	38.00
71.5	42,613		0.0000	1.0000	38.00
72.5	42,613		0.0000	1.0000	38.00
73.5	42,035		0.0000	1.0000	38.00
74.5	42,035	799	0.0190	0.9810	38.00
75.5	40,751	126	0.0031	0.9969	37.28
76.5	465,625		0.0000	1.0000	37.16
77.5	465,625		0.0000	1.0000	37.16
78.5	465,625		0.0000	1.0000	37.16

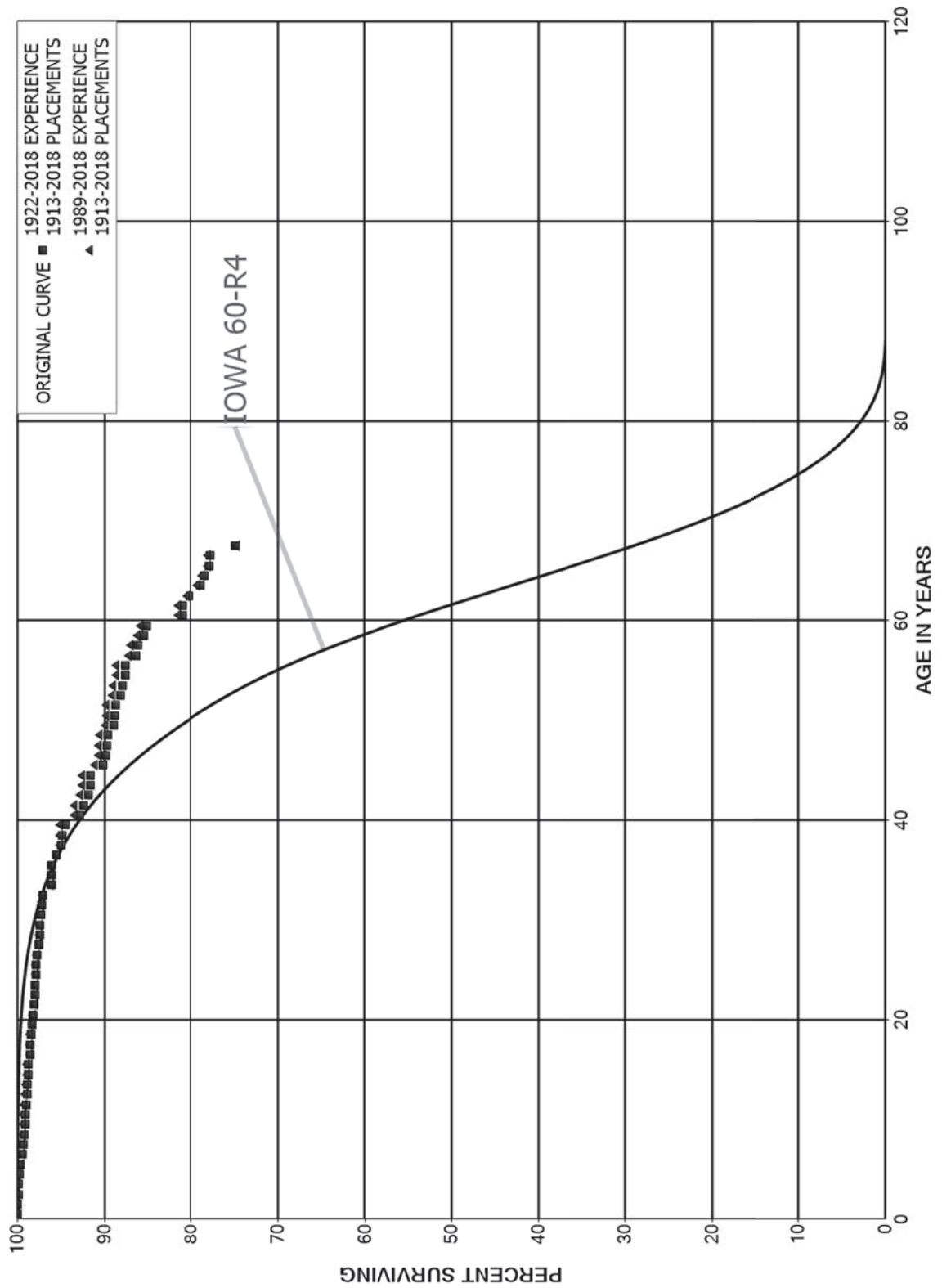
AMEREN MISSOURI

ACCOUNT 355 POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1925-2018			EXPERIENCE BAND 1989-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	465,542		0.0000	1.0000	37.16
80.5	464,690	512	0.0011	0.9989	37.16
81.5	464,178		0.0000	1.0000	37.12
82.5	464,002		0.0000	1.0000	37.12
83.5	463,873	1,593	0.0034	0.9966	37.12
84.5	462,280	33	0.0001	0.9999	36.99
85.5	461,698		0.0000	1.0000	36.99
86.5	426,099		0.0000	1.0000	36.99
87.5	1,225		0.0000	1.0000	36.99
88.5	1,225		0.0000	1.0000	36.99
89.5	1,225		0.0000	1.0000	36.99
90.5	1,225		0.0000	1.0000	36.99
91.5	1,225		0.0000	1.0000	36.99
92.5	1,225		0.0000	1.0000	36.99
93.5					36.99

AMEREN MISSOURI
 ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1922-2018

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	293,213,510	3,962	0.0000	1.0000	100.00
0.5	271,911,099	185,088	0.0007	0.9993	100.00
1.5	248,427,727	150,719	0.0006	0.9994	99.93
2.5	201,588,540	75,657	0.0004	0.9996	99.87
3.5	201,105,243	105,773	0.0005	0.9995	99.83
4.5	180,883,261	378,823	0.0021	0.9979	99.78
5.5	177,243,982	388,897	0.0022	0.9978	99.57
6.5	174,274,240	24,103	0.0001	0.9999	99.35
7.5	147,274,832	173,618	0.0012	0.9988	99.34
8.5	144,732,752	194,944	0.0013	0.9987	99.22
9.5	141,197,748	49,912	0.0004	0.9996	99.09
10.5	130,590,796	60,531	0.0005	0.9995	99.05
11.5	130,226,344	158,786	0.0012	0.9988	99.01
12.5	108,225,789	50,042	0.0005	0.9995	98.89
13.5	105,226,632	72,529	0.0007	0.9993	98.84
14.5	104,255,784	58,902	0.0006	0.9994	98.77
15.5	97,914,038	193,876	0.0020	0.9980	98.72
16.5	95,262,005	37,708	0.0004	0.9996	98.52
17.5	92,463,145	70,237	0.0008	0.9992	98.48
18.5	92,724,880	119,107	0.0013	0.9987	98.41
19.5	85,799,250	105,410	0.0012	0.9988	98.28
20.5	85,596,505	116,876	0.0014	0.9986	98.16
21.5	84,799,588	89,399	0.0011	0.9989	98.03
22.5	84,685,629	17,091	0.0002	0.9998	97.92
23.5	80,569,310	31,862	0.0004	0.9996	97.90
24.5	79,901,269	8,372	0.0001	0.9999	97.86
25.5	75,260,406	111,570	0.0015	0.9985	97.85
26.5	73,916,219	141,906	0.0019	0.9981	97.71
27.5	74,555,465	59,361	0.0008	0.9992	97.52
28.5	73,543,086	19,170	0.0003	0.9997	97.44
29.5	72,288,849	113,856	0.0016	0.9984	97.42
30.5	71,986,731	68,746	0.0010	0.9990	97.27
31.5	71,826,165	100,156	0.0014	0.9986	97.17
32.5	70,825,231	669,781	0.0095	0.9905	97.04
33.5	57,954,253	28,501	0.0005	0.9995	96.12
34.5	58,203,077	36,329	0.0006	0.9994	96.07
35.5	57,935,424	338,804	0.0058	0.9942	96.01
36.5	57,205,427	323,800	0.0057	0.9943	95.45
37.5	58,852,524	68,784	0.0012	0.9988	94.91
38.5	58,174,743	185,196	0.0032	0.9968	94.80

AMEREN MISSOURI

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1922-2018		
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	56,283,056	1,001,538	0.0178	0.9822	94.50
40.5	54,910,449	226,259	0.0041	0.9959	92.82
41.5	54,460,361	374,546	0.0069	0.9931	92.43
42.5	50,142,815	98,357	0.0020	0.9980	91.80
43.5	49,963,775	9,674	0.0002	0.9998	91.62
44.5	48,243,939	723,600	0.0150	0.9850	91.60
45.5	44,015,059	210,394	0.0048	0.9952	90.23
46.5	42,111,616	33,488	0.0008	0.9992	89.79
47.5	38,770,102	33,467	0.0009	0.9991	89.72
48.5	33,722,022	259,164	0.0077	0.9923	89.65
49.5	29,558,663	34,874	0.0012	0.9988	88.96
50.5	21,674,421	39,393	0.0018	0.9982	88.85
51.5	15,241,583	93,002	0.0061	0.9939	88.69
52.5	14,116,386	22,819	0.0016	0.9984	88.15
53.5	12,011,206	55,753	0.0046	0.9954	88.01
54.5	11,082,939	1,382	0.0001	0.9999	87.60
55.5	7,963,562	108,133	0.0136	0.9864	87.59
56.5	7,620,753	22,865	0.0030	0.9970	86.40
57.5	7,531,185	59,010	0.0078	0.9922	86.14
58.5	6,004,828	23,736	0.0040	0.9960	85.46
59.5	5,955,636	286,955	0.0482	0.9518	85.13
60.5	5,473,690	880	0.0002	0.9998	81.02
61.5	3,702,952	40,205	0.0109	0.9891	81.01
62.5	3,046,054	48,230	0.0158	0.9842	80.13
63.5	2,965,254	18,474	0.0062	0.9938	78.86
64.5	2,950,774	22,279	0.0076	0.9924	78.37
65.5	2,354,024	1,532	0.0007	0.9993	77.78
66.5	1,636,882	61,715	0.0377	0.9623	77.73
67.5	1,458,605		0.0000	1.0000	74.80
68.5	1,285,527		0.0000	1.0000	74.80
69.5	1,280,350		0.0000	1.0000	74.80
70.5	1,691,626	29,287	0.0173	0.9827	74.80
71.5	1,721,035	55,389	0.0322	0.9678	73.50
72.5	1,665,337	38,042	0.0228	0.9772	71.14
73.5	1,616,557		0.0000	1.0000	69.51
74.5	1,616,528		0.0000	1.0000	69.51
75.5	1,615,325		0.0000	1.0000	69.51
76.5	1,615,325		0.0000	1.0000	69.51
77.5	1,615,325		0.0000	1.0000	69.51
78.5	1,615,325		0.0000	1.0000	69.51

AMEREN MISSOURI

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1922-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,614,169		0.0000	1.0000	69.51
80.5	1,610,175		0.0000	1.0000	69.51
81.5	1,610,175	27	0.0000	1.0000	69.51
82.5	1,609,279	121,161	0.0753	0.9247	69.51
83.5	1,488,118		0.0000	1.0000	64.28
84.5	1,488,118	717,192	0.4819	0.5181	64.28
85.5	770,595	1,046	0.0014	0.9986	33.30
86.5	355,153		0.0000	1.0000	33.25
87.5	296,484		0.0000	1.0000	33.25
88.5	296,484	90	0.0003	0.9997	33.25
89.5	224,770		0.0000	1.0000	33.24
90.5	224,287		0.0000	1.0000	33.24
91.5	224,287		0.0000	1.0000	33.24
92.5	224,287	3,657	0.0163	0.9837	33.24
93.5	210,995	8,848	0.0419	0.9581	32.70
94.5	202,128		0.0000	1.0000	31.33
95.5	202,128		0.0000	1.0000	31.33
96.5	202,128		0.0000	1.0000	31.33
97.5	202,128		0.0000	1.0000	31.33
98.5	202,128		0.0000	1.0000	31.33
99.5	202,128		0.0000	1.0000	31.33
100.5	202,128		0.0000	1.0000	31.33
101.5	202,128		0.0000	1.0000	31.33
102.5	202,128		0.0000	1.0000	31.33
103.5	202,128	129,686	0.6416	0.3584	31.33
104.5	72,441		0.0000	1.0000	11.23
105.5					11.23

AMEREN MISSOURI

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1989-2018

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	221,838,214	33	0.0000	1.0000	100.00
0.5	201,014,494	5,629	0.0000	1.0000	100.00
1.5	177,971,540	94,786	0.0005	0.9995	100.00
2.5	131,368,875	34,976	0.0003	0.9997	99.94
3.5	144,522,812	101,754	0.0007	0.9993	99.92
4.5	124,399,500	249,851	0.0020	0.9980	99.85
5.5	121,129,304	344,206	0.0028	0.9972	99.65
6.5	118,280,902	8,144	0.0001	0.9999	99.36
7.5	91,313,316	73,700	0.0008	0.9992	99.36
8.5	89,330,682	22,403	0.0003	0.9997	99.28
9.5	87,343,302	6,336	0.0001	0.9999	99.25
10.5	76,847,592	24,122	0.0003	0.9997	99.24
11.5	76,772,035	140,093	0.0018	0.9982	99.21
12.5	58,714,276	37,430	0.0006	0.9994	99.03
13.5	55,833,967	54,594	0.0010	0.9990	98.97
14.5	56,692,602	45,725	0.0008	0.9992	98.87
15.5	53,758,112	150,607	0.0028	0.9972	98.79
16.5	53,213,272	9,177	0.0002	0.9998	98.52
17.5	53,639,080	17,506	0.0003	0.9997	98.50
18.5	59,594,033	94,642	0.0016	0.9984	98.47
19.5	56,658,144	94,520	0.0017	0.9983	98.31
20.5	63,984,668	108,716	0.0017	0.9983	98.15
21.5	70,664,135	76,003	0.0011	0.9989	97.98
22.5	71,980,888	11,092	0.0002	0.9998	97.87
23.5	68,166,138	4,494	0.0001	0.9999	97.86
24.5	68,690,221	7,025	0.0001	0.9999	97.85
25.5	67,411,914	101,950	0.0015	0.9985	97.84
26.5	66,313,506	134,780	0.0020	0.9980	97.69
27.5	67,072,133	55,890	0.0008	0.9992	97.50
28.5	67,562,441	16,045	0.0002	0.9998	97.41
29.5	66,347,557	83,294	0.0013	0.9987	97.39
30.5	66,278,970	68,286	0.0010	0.9990	97.27
31.5	68,349,834	88,022	0.0013	0.9987	97.17
32.5	67,811,801	669,693	0.0099	0.9901	97.04
33.5	55,049,143	24,030	0.0004	0.9996	96.09
34.5	55,350,209	36,229	0.0007	0.9993	96.04
35.5	55,551,377	323,346	0.0058	0.9942	95.98
36.5	54,868,514	180,193	0.0033	0.9967	95.42
37.5	56,749,412	9,423	0.0002	0.9998	95.11
38.5	56,311,236	186	0.0000	1.0000	95.09

AMEREN MISSOURI

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1989-2018		
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	54,610,192	1,000,314	0.0183	0.9817	95.09
40.5	53,238,911	1,406	0.0000	1.0000	93.35
41.5	53,038,685	373,192	0.0070	0.9930	93.35
42.5	48,722,494	96,338	0.0020	0.9980	92.69
43.5	48,612,230	9,151	0.0002	0.9998	92.51
44.5	46,893,399	715,341	0.0153	0.9847	92.49
45.5	42,674,136	205,026	0.0048	0.9952	91.08
46.5	40,776,823	29,285	0.0007	0.9993	90.64
47.5	37,439,893	21,121	0.0006	0.9994	90.58
48.5	32,404,354	255,204	0.0079	0.9921	90.53
49.5	28,246,190	32,250	0.0011	0.9989	89.81
50.5	20,364,623	2,984	0.0001	0.9999	89.71
51.5	13,991,964	90,116	0.0064	0.9936	89.70
52.5	12,870,344	18,424	0.0014	0.9986	89.12
53.5	10,770,764	50,306	0.0047	0.9953	88.99
54.5	9,848,163	381	0.0000	1.0000	88.58
55.5	6,730,114	103,679	0.0154	0.9846	88.57
56.5	6,395,559	21,903	0.0034	0.9966	87.21
57.5	7,077,450	58,642	0.0083	0.9917	86.91
58.5	5,551,462	23,736	0.0043	0.9957	86.19
59.5	5,697,676	286,955	0.0504	0.9496	85.82
60.5	5,245,590	880	0.0002	0.9998	81.50
61.5	3,478,540	40,205	0.0116	0.9884	81.49
62.5	2,821,642	48,230	0.0171	0.9829	80.54
63.5	2,754,134	18,474	0.0067	0.9933	79.17
64.5	2,748,522	22,154	0.0081	0.9919	78.64
65.5	2,151,897	1,532	0.0007	0.9993	78.00
66.5	1,434,755	61,715	0.0430	0.9570	77.95
67.5	1,256,477		0.0000	1.0000	74.59
68.5	1,083,399		0.0000	1.0000	74.59
69.5	1,078,222		0.0000	1.0000	74.59
70.5	1,489,499	29,287	0.0197	0.9803	74.59
71.5	1,518,907	55,389	0.0365	0.9635	73.13
72.5	1,463,209	38,042	0.0260	0.9740	70.46
73.5	1,414,430		0.0000	1.0000	68.63
74.5	1,414,400		0.0000	1.0000	68.63
75.5	1,615,325		0.0000	1.0000	68.63
76.5	1,615,325		0.0000	1.0000	68.63
77.5	1,615,325		0.0000	1.0000	68.63
78.5	1,615,325		0.0000	1.0000	68.63

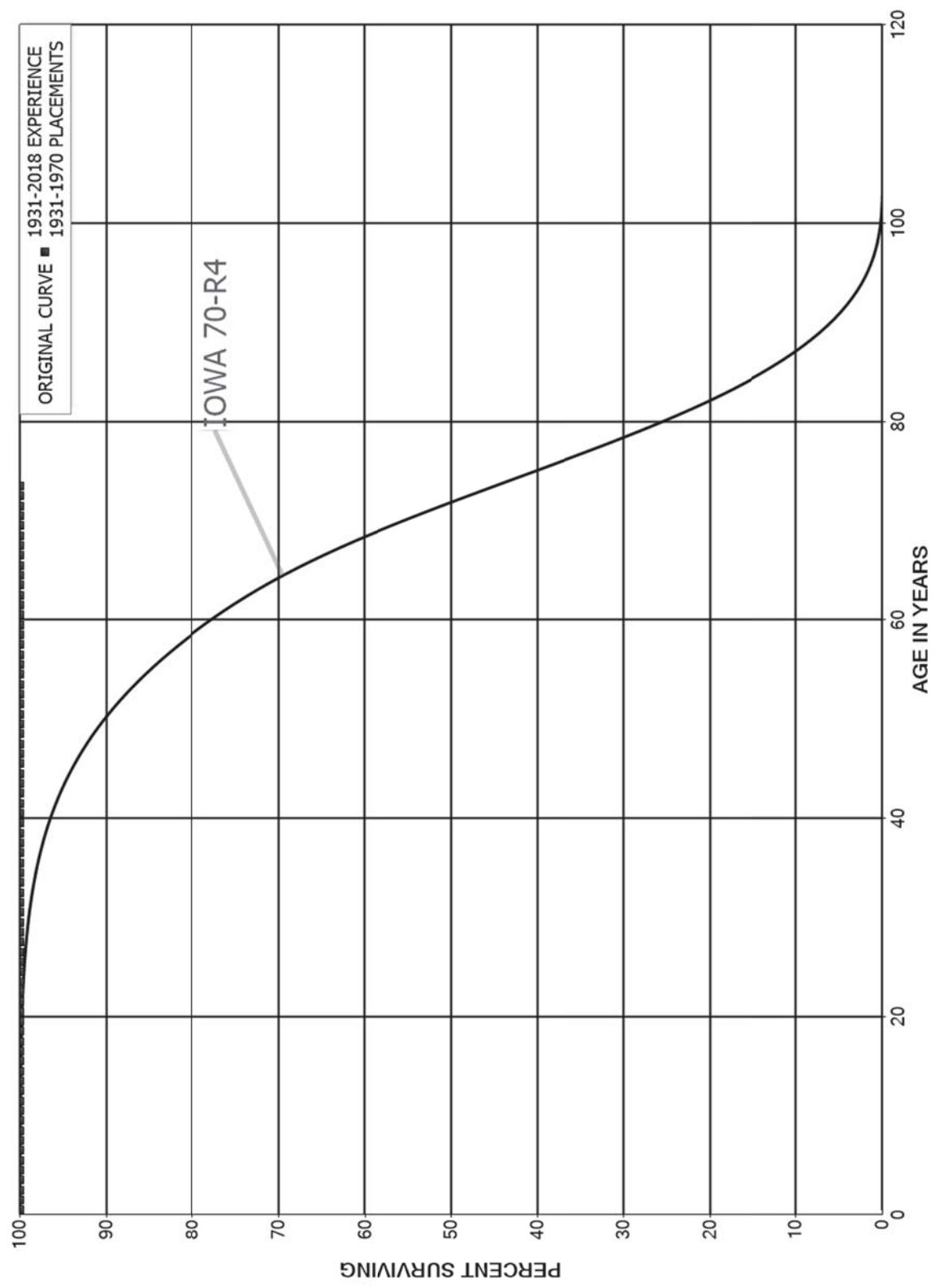
AMEREN MISSOURI

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1989-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,614,169		0.0000	1.0000	68.63
80.5	1,610,175		0.0000	1.0000	68.63
81.5	1,610,175	27	0.0000	1.0000	68.63
82.5	1,609,279	121,161	0.0753	0.9247	68.63
83.5	1,488,118		0.0000	1.0000	63.46
84.5	1,488,118	717,192	0.4819	0.5181	63.46
85.5	770,595	1,046	0.0014	0.9986	32.88
86.5	355,153		0.0000	1.0000	32.83
87.5	296,484		0.0000	1.0000	32.83
88.5	296,484	90	0.0003	0.9997	32.83
89.5	224,770		0.0000	1.0000	32.82
90.5	224,287		0.0000	1.0000	32.82
91.5	224,287		0.0000	1.0000	32.82
92.5	224,287	3,657	0.0163	0.9837	32.82
93.5	210,995	8,848	0.0419	0.9581	32.29
94.5	202,128		0.0000	1.0000	30.93
95.5	202,128		0.0000	1.0000	30.93
96.5	202,128		0.0000	1.0000	30.93
97.5	202,128		0.0000	1.0000	30.93
98.5	202,128		0.0000	1.0000	30.93
99.5	202,128		0.0000	1.0000	30.93
100.5	202,128		0.0000	1.0000	30.93
101.5	202,128		0.0000	1.0000	30.93
102.5	202,128		0.0000	1.0000	30.93
103.5	202,128	129,686	0.6416	0.3584	30.93
104.5	72,441		0.0000	1.0000	11.09
105.5					11.09

AMEREN MISSOURI
 ACCOUNT 359 ROADS AND TRAILS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 359 ROADS AND TRAILS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1931-1970			EXPERIENCE BAND 1931-2018		
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	71,788		0.0000	1.0000	100.00
0.5	71,788		0.0000	1.0000	100.00
1.5	71,788		0.0000	1.0000	100.00
2.5	71,788		0.0000	1.0000	100.00
3.5	71,788		0.0000	1.0000	100.00
4.5	71,788		0.0000	1.0000	100.00
5.5	71,788		0.0000	1.0000	100.00
6.5	71,788		0.0000	1.0000	100.00
7.5	71,788		0.0000	1.0000	100.00
8.5	71,788		0.0000	1.0000	100.00
9.5	71,788		0.0000	1.0000	100.00
10.5	71,788		0.0000	1.0000	100.00
11.5	71,788		0.0000	1.0000	100.00
12.5	71,788		0.0000	1.0000	100.00
13.5	71,788		0.0000	1.0000	100.00
14.5	71,788		0.0000	1.0000	100.00
15.5	71,788		0.0000	1.0000	100.00
16.5	71,788		0.0000	1.0000	100.00
17.5	71,788		0.0000	1.0000	100.00
18.5	71,788		0.0000	1.0000	100.00
19.5	71,788		0.0000	1.0000	100.00
20.5	71,788		0.0000	1.0000	100.00
21.5	71,788		0.0000	1.0000	100.00
22.5	71,788		0.0000	1.0000	100.00
23.5	71,788		0.0000	1.0000	100.00
24.5	71,788		0.0000	1.0000	100.00
25.5	71,788		0.0000	1.0000	100.00
26.5	71,788		0.0000	1.0000	100.00
27.5	71,788		0.0000	1.0000	100.00
28.5	71,788		0.0000	1.0000	100.00
29.5	71,788		0.0000	1.0000	100.00
30.5	71,788		0.0000	1.0000	100.00
31.5	71,788		0.0000	1.0000	100.00
32.5	71,788		0.0000	1.0000	100.00
33.5	71,788		0.0000	1.0000	100.00
34.5	71,788		0.0000	1.0000	100.00
35.5	71,788		0.0000	1.0000	100.00
36.5	71,788		0.0000	1.0000	100.00
37.5	71,788		0.0000	1.0000	100.00
38.5	71,788		0.0000	1.0000	100.00

AMEREN MISSOURI

ACCOUNT 359 ROADS AND TRAILS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1931-1970			EXPERIENCE BAND 1931-2018		
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	71,788		0.0000	1.0000	100.00
40.5	71,788		0.0000	1.0000	100.00
41.5	71,788		0.0000	1.0000	100.00
42.5	71,788		0.0000	1.0000	100.00
43.5	71,788		0.0000	1.0000	100.00
44.5	71,788		0.0000	1.0000	100.00
45.5	71,788		0.0000	1.0000	100.00
46.5	71,788		0.0000	1.0000	100.00
47.5	71,788		0.0000	1.0000	100.00
48.5	68,911		0.0000	1.0000	100.00
49.5	68,911		0.0000	1.0000	100.00
50.5	68,911		0.0000	1.0000	100.00
51.5	68,911		0.0000	1.0000	100.00
52.5	59,243		0.0000	1.0000	100.00
53.5	59,243		0.0000	1.0000	100.00
54.5	59,243		0.0000	1.0000	100.00
55.5	59,243		0.0000	1.0000	100.00
56.5	59,243		0.0000	1.0000	100.00
57.5	32,562		0.0000	1.0000	100.00
58.5	32,562		0.0000	1.0000	100.00
59.5	32,562		0.0000	1.0000	100.00
60.5	32,562		0.0000	1.0000	100.00
61.5	28,870		0.0000	1.0000	100.00
62.5	28,870		0.0000	1.0000	100.00
63.5	28,870		0.0000	1.0000	100.00
64.5	28,870		0.0000	1.0000	100.00
65.5	27,594		0.0000	1.0000	100.00
66.5	27,594		0.0000	1.0000	100.00
67.5	27,594		0.0000	1.0000	100.00
68.5	27,594		0.0000	1.0000	100.00
69.5	27,594		0.0000	1.0000	100.00
70.5	27,594		0.0000	1.0000	100.00
71.5	27,594		0.0000	1.0000	100.00
72.5	27,594		0.0000	1.0000	100.00
73.5	1,085		0.0000	1.0000	100.00
74.5	1,085		0.0000	1.0000	100.00
75.5	1,085		0.0000	1.0000	100.00
76.5	1,085		0.0000	1.0000	100.00
77.5	1,085		0.0000	1.0000	100.00
78.5	1,085		0.0000	1.0000	100.00

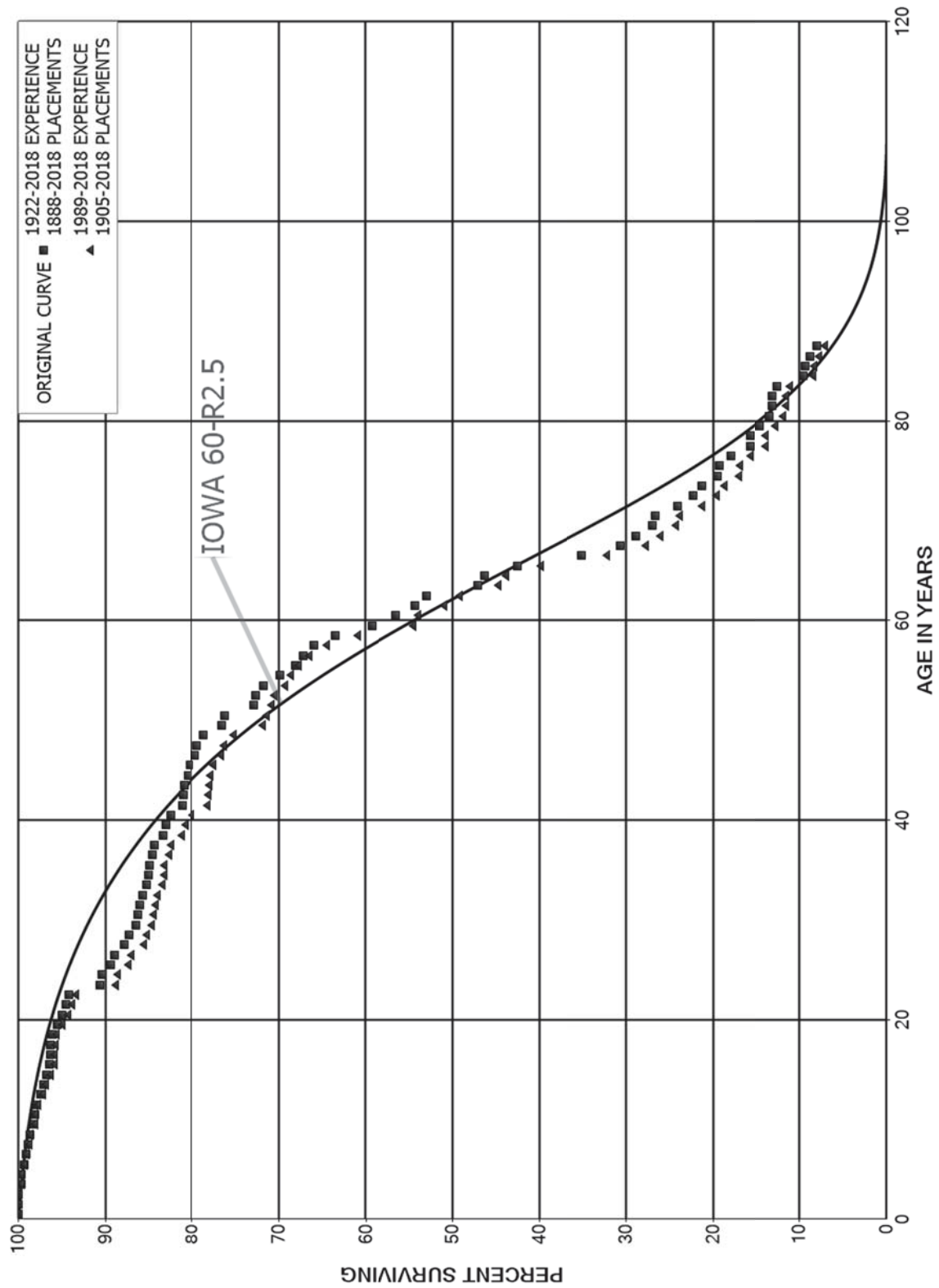
AMEREN MISSOURI

ACCOUNT 359 ROADS AND TRAILS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1931-1970			EXPERIENCE BAND 1931-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,085		0.0000	1.0000	100.00
80.5	1,085		0.0000	1.0000	100.00
81.5	1,085		0.0000	1.0000	100.00
82.5	1,085		0.0000	1.0000	100.00
83.5	1,085		0.0000	1.0000	100.00
84.5	974		0.0000	1.0000	100.00
85.5	965		0.0000	1.0000	100.00
86.5	24		0.0000	1.0000	100.00
87.5					100.00

AMEREN MISSOURI
 ACCOUNT 361 STRUCTURES AND IMPROVEMENTS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1888-2018

EXPERIENCE BAND 1922-2018

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	20,547,904	890	0.0000	1.0000	100.00
0.5	20,511,740	603	0.0000	1.0000	100.00
1.5	20,446,254	5,430	0.0003	0.9997	99.99
2.5	20,352,359	63,757	0.0031	0.9969	99.97
3.5	20,301,563	15,147	0.0007	0.9993	99.65
4.5	19,263,218	48,747	0.0025	0.9975	99.58
5.5	19,606,202	54,866	0.0028	0.9972	99.33
6.5	18,284,415	48,445	0.0026	0.9974	99.05
7.5	17,342,916	32,142	0.0019	0.9981	98.79
8.5	17,265,930	84,380	0.0049	0.9951	98.60
9.5	16,412,576	10,578	0.0006	0.9994	98.12
10.5	16,932,640	42,828	0.0025	0.9975	98.06
11.5	16,868,921	72,182	0.0043	0.9957	97.81
12.5	16,481,961	46,811	0.0028	0.9972	97.39
13.5	16,418,676	66,315	0.0040	0.9960	97.11
14.5	16,288,478	58,175	0.0036	0.9964	96.72
15.5	16,204,982	8,906	0.0005	0.9995	96.38
16.5	16,065,351	11,941	0.0007	0.9993	96.32
17.5	16,033,953	23,016	0.0014	0.9986	96.25
18.5	15,990,900	101,441	0.0063	0.9937	96.11
19.5	15,635,665	91,149	0.0058	0.9942	95.50
20.5	15,056,452	71,449	0.0047	0.9953	94.95
21.5	13,999,830	46,083	0.0033	0.9967	94.50
22.5	12,874,636	490,767	0.0381	0.9619	94.19
23.5	11,529,686	28,923	0.0025	0.9975	90.60
24.5	10,299,786	115,278	0.0112	0.9888	90.37
25.5	9,072,887	38,070	0.0042	0.9958	89.36
26.5	8,369,056	110,632	0.0132	0.9868	88.98
27.5	8,249,085	48,023	0.0058	0.9942	87.81
28.5	8,147,265	78,571	0.0096	0.9904	87.30
29.5	7,651,548	13,177	0.0017	0.9983	86.45
30.5	6,898,762	21,010	0.0030	0.9970	86.30
31.5	6,826,616	21,175	0.0031	0.9969	86.04
32.5	5,869,292	31,360	0.0053	0.9947	85.77
33.5	5,784,087	13,513	0.0023	0.9977	85.32
34.5	5,727,837	8,437	0.0015	0.9985	85.12
35.5	5,104,005	24,558	0.0048	0.9952	84.99
36.5	4,964,348	8,192	0.0017	0.9983	84.58
37.5	4,948,086	58,330	0.0118	0.9882	84.44
38.5	4,820,157	22,984	0.0048	0.9952	83.45

AMEREN MISSOURI

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1888-2018			EXPERIENCE BAND 1922-2018		
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	4,800,080	29,225	0.0061	0.9939	83.05
40.5	4,792,920	80,172	0.0167	0.9833	82.54
41.5	4,646,944	4,402	0.0009	0.9991	81.16
42.5	4,376,389	5,064	0.0012	0.9988	81.09
43.5	4,106,004	22,379	0.0055	0.9945	80.99
44.5	3,914,002	13,390	0.0034	0.9966	80.55
45.5	3,887,575	32,473	0.0084	0.9916	80.28
46.5	3,823,785	11,130	0.0029	0.9971	79.61
47.5	3,508,794	32,901	0.0094	0.9906	79.37
48.5	3,359,838	92,566	0.0276	0.9724	78.63
49.5	3,023,883	13,071	0.0043	0.9957	76.46
50.5	2,993,613	127,736	0.0427	0.9573	76.13
51.5	2,760,262	10,773	0.0039	0.9961	72.88
52.5	2,725,202	32,305	0.0119	0.9881	72.60
53.5	2,552,245	66,293	0.0260	0.9740	71.74
54.5	2,382,821	61,895	0.0260	0.9740	69.88
55.5	2,258,524	28,325	0.0125	0.9875	68.06
56.5	2,105,735	39,106	0.0186	0.9814	67.21
57.5	2,016,063	74,031	0.0367	0.9633	65.96
58.5	1,910,602	129,420	0.0677	0.9323	63.54
59.5	1,662,629	76,579	0.0461	0.9539	59.23
60.5	1,518,902	59,905	0.0394	0.9606	56.50
61.5	1,459,527	36,856	0.0253	0.9747	54.28
62.5	1,394,451	154,733	0.1110	0.8890	52.91
63.5	1,272,779	20,969	0.0165	0.9835	47.03
64.5	1,209,103	98,379	0.0814	0.9186	46.26
65.5	1,104,862	192,353	0.1741	0.8259	42.50
66.5	882,217	112,262	0.1273	0.8727	35.10
67.5	729,075	42,126	0.0578	0.9422	30.63
68.5	685,637	44,092	0.0643	0.9357	28.86
69.5	592,210	9,474	0.0160	0.9840	27.01
70.5	576,075	54,605	0.0948	0.9052	26.57
71.5	593,112	44,001	0.0742	0.9258	24.05
72.5	585,492	24,681	0.0422	0.9578	22.27
73.5	557,217	48,415	0.0869	0.9131	21.33
74.5	508,777	5,673	0.0111	0.9889	19.48
75.5	505,385	35,001	0.0693	0.9307	19.26
76.5	470,565	59,232	0.1259	0.8741	17.93
77.5	405,619		0.0000	1.0000	15.67
78.5	397,974	30,900	0.0776	0.9224	15.67

AMEREN MISSOURI

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1888-2018			EXPERIENCE BAND 1922-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	367,618	27,108	0.0737	0.9263	14.45
80.5	332,002	7,312	0.0220	0.9780	13.39
81.5	320,176	153	0.0005	0.9995	13.09
82.5	313,130	14,097	0.0450	0.9550	13.09
83.5	299,304	72,297	0.2416	0.7584	12.50
84.5	471,580	7,892	0.0167	0.9833	9.48
85.5	463,688	32,278	0.0696	0.9304	9.32
86.5	431,410	35,616	0.0826	0.9174	8.67
87.5	395,794	2,188	0.0055	0.9945	7.96
88.5	371,389		0.0000	1.0000	7.91
89.5	334,299		0.0000	1.0000	7.91
90.5	334,119	17,555	0.0525	0.9475	7.91
91.5	315,905	678	0.0021	0.9979	7.50
92.5	310,793	2,218	0.0071	0.9929	7.48
93.5	308,576	218	0.0007	0.9993	7.43
94.5	308,357		0.0000	1.0000	7.42
95.5	308,357	3,524	0.0114	0.9886	7.42
96.5	304,833	227,220	0.7454	0.2546	7.34
97.5	77,613		0.0000	1.0000	1.87
98.5	77,613		0.0000	1.0000	1.87
99.5	76,889		0.0000	1.0000	1.87
100.5	78,178	59,536	0.7615	0.2385	1.87
101.5	1,289		0.0000	1.0000	0.45
102.5	1,289		0.0000	1.0000	0.45
103.5	1,289		0.0000	1.0000	0.45
104.5	1,289		0.0000	1.0000	0.45
105.5	1,289		0.0000	1.0000	0.45
106.5	1,289		0.0000	1.0000	0.45
107.5	1,289		0.0000	1.0000	0.45
108.5	1,289		0.0000	1.0000	0.45
109.5	1,289		0.0000	1.0000	0.45
110.5	1,289		0.0000	1.0000	0.45
111.5	1,289		0.0000	1.0000	0.45
112.5	1,289		0.0000	1.0000	0.45
113.5	1,289		0.0000	1.0000	0.45

AMEREN MISSOURI

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1905-2018

EXPERIENCE BAND 1989-2018

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	12,440,300	890	0.0001	0.9999	100.00
0.5	13,230,309	1	0.0000	1.0000	99.99
1.5	13,221,667	3,591	0.0003	0.9997	99.99
2.5	14,091,450	61,316	0.0044	0.9956	99.97
3.5	14,126,972	25	0.0000	1.0000	99.53
4.5	13,173,042	45,686	0.0035	0.9965	99.53
5.5	14,308,328	32,727	0.0023	0.9977	99.19
6.5	13,073,538	41,455	0.0032	0.9968	98.96
7.5	12,167,772	16,180	0.0013	0.9987	98.64
8.5	12,223,341	69,821	0.0057	0.9943	98.51
9.5	11,398,912	6,702	0.0006	0.9994	97.95
10.5	11,978,232	40,010	0.0033	0.9967	97.89
11.5	11,981,101	64,416	0.0054	0.9946	97.57
12.5	11,911,194	45,366	0.0038	0.9962	97.04
13.5	12,174,007	64,519	0.0053	0.9947	96.67
14.5	12,247,098	56,715	0.0046	0.9954	96.16
15.5	12,169,009	5,111	0.0004	0.9996	95.71
16.5	12,066,681	5,134	0.0004	0.9996	95.67
17.5	12,417,928	17,487	0.0014	0.9986	95.63
18.5	12,520,583	82,509	0.0066	0.9934	95.50
19.5	12,242,690	89,923	0.0073	0.9927	94.87
20.5	11,772,169	59,802	0.0051	0.9949	94.17
21.5	10,854,730	43,031	0.0040	0.9960	93.69
22.5	9,767,987	478,042	0.0489	0.9511	93.32
23.5	8,670,870	21,115	0.0024	0.9976	88.76
24.5	7,596,593	109,381	0.0144	0.9856	88.54
25.5	6,423,604	25,167	0.0039	0.9961	87.26
26.5	5,860,003	97,728	0.0167	0.9833	86.92
27.5	5,782,435	23,817	0.0041	0.9959	85.47
28.5	5,740,961	37,816	0.0066	0.9934	85.12
29.5	5,419,417	11,688	0.0022	0.9978	84.56
30.5	4,799,173	9,615	0.0020	0.9980	84.38
31.5	4,771,540	15,608	0.0033	0.9967	84.21
32.5	3,856,301	25,885	0.0067	0.9933	83.93
33.5	3,796,745	9,912	0.0026	0.9974	83.37
34.5	3,764,960	1,291	0.0003	0.9997	83.15
35.5	3,156,052	19,895	0.0063	0.9937	83.12
36.5	3,063,877	6,725	0.0022	0.9978	82.60
37.5	3,134,511	46,294	0.0148	0.9852	82.42
38.5	3,041,691	19,811	0.0065	0.9935	81.20

AMEREN MISSOURI

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2018			EXPERIENCE BAND 1989-2018		
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	3,143,963	26,319	0.0084	0.9916	80.67
40.5	3,177,985	78,658	0.0248	0.9752	80.00
41.5	3,113,043	3,993	0.0013	0.9987	78.02
42.5	2,850,467	2,594	0.0009	0.9991	77.92
43.5	2,587,278	2,904	0.0011	0.9989	77.85
44.5	2,426,790	11,174	0.0046	0.9954	77.76
45.5	2,424,364	29,441	0.0121	0.9879	77.40
46.5	2,434,475	10,359	0.0043	0.9957	76.46
47.5	2,177,744	30,125	0.0138	0.9862	76.14
48.5	2,051,984	90,725	0.0442	0.9558	75.08
49.5	1,754,166	11,474	0.0065	0.9935	71.76
50.5	1,746,027	15,156	0.0087	0.9913	71.29
51.5	1,772,055	7,745	0.0044	0.9956	70.67
52.5	1,832,175	31,631	0.0173	0.9827	70.37
53.5	1,678,819	15,110	0.0090	0.9910	69.15
54.5	1,562,606	19,670	0.0126	0.9874	68.53
55.5	1,481,903	28,325	0.0191	0.9809	67.67
56.5	1,342,132	39,105	0.0291	0.9709	66.37
57.5	1,309,290	74,031	0.0565	0.9435	64.44
58.5	1,219,837	129,420	0.1061	0.8939	60.79
59.5	1,024,153	9,788	0.0096	0.9904	54.34
60.5	1,077,258	59,905	0.0556	0.9444	53.83
61.5	1,061,463	36,856	0.0347	0.9653	50.83
62.5	1,069,700	98,200	0.0918	0.9082	49.07
63.5	1,069,027	20,969	0.0196	0.9804	44.56
64.5	1,075,734	98,379	0.0915	0.9085	43.69
65.5	997,938	192,353	0.1928	0.8072	39.69
66.5	799,617	110,974	0.1388	0.8612	32.04
67.5	657,972	39,364	0.0598	0.9402	27.60
68.5	620,549	42,464	0.0684	0.9316	25.94
69.5	529,598	9,474	0.0179	0.9821	24.17
70.5	513,513	54,605	0.1063	0.8937	23.74
71.5	531,409	41,833	0.0787	0.9213	21.21
72.5	525,956	24,681	0.0469	0.9531	19.54
73.5	557,217	48,415	0.0869	0.9131	18.63
74.5	508,777	5,673	0.0111	0.9889	17.01
75.5	505,385	35,001	0.0693	0.9307	16.82
76.5	470,565	59,232	0.1259	0.8741	15.65
77.5	405,619		0.0000	1.0000	13.68
78.5	397,974	30,900	0.0776	0.9224	13.68

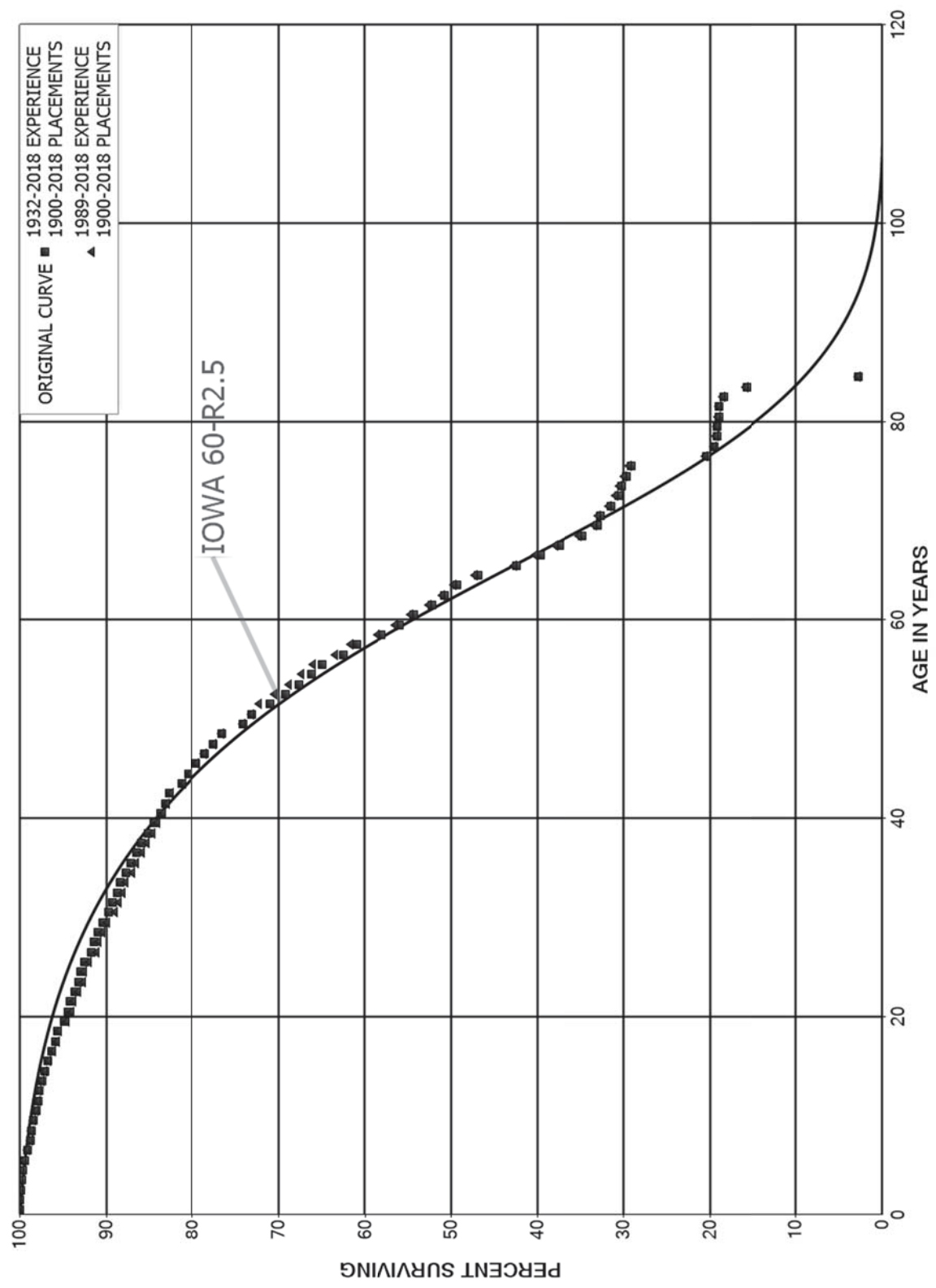
AMEREN MISSOURI

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2018			EXPERIENCE BAND 1989-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	367,618	27,108	0.0737	0.9263	12.62	
80.5	332,002	7,312	0.0220	0.9780	11.69	
81.5	320,176	153	0.0005	0.9995	11.43	
82.5	313,130	14,097	0.0450	0.9550	11.43	
83.5	299,304	72,297	0.2416	0.7584	10.91	
84.5	471,580	7,892	0.0167	0.9833	8.28	
85.5	463,688	32,278	0.0696	0.9304	8.14	
86.5	431,410	35,616	0.0826	0.9174	7.57	
87.5	395,794	2,188	0.0055	0.9945	6.95	
88.5	371,389		0.0000	1.0000	6.91	
89.5	334,299		0.0000	1.0000	6.91	
90.5	334,119	17,555	0.0525	0.9475	6.91	
91.5	315,905	678	0.0021	0.9979	6.55	
92.5	310,793	2,218	0.0071	0.9929	6.53	
93.5	308,576	218	0.0007	0.9993	6.48	
94.5	308,357		0.0000	1.0000	6.48	
95.5	308,357	3,524	0.0114	0.9886	6.48	
96.5	304,833	227,220	0.7454	0.2546	6.41	
97.5	77,613		0.0000	1.0000	1.63	
98.5	77,613		0.0000	1.0000	1.63	
99.5	76,889		0.0000	1.0000	1.63	
100.5	78,178	59,536	0.7615	0.2385	1.63	
101.5	1,289		0.0000	1.0000	0.39	
102.5	1,289		0.0000	1.0000	0.39	
103.5	1,289		0.0000	1.0000	0.39	
104.5	1,289		0.0000	1.0000	0.39	
105.5	1,289		0.0000	1.0000	0.39	
106.5	1,289		0.0000	1.0000	0.39	
107.5	1,289		0.0000	1.0000	0.39	
108.5	1,289		0.0000	1.0000	0.39	
109.5	1,289		0.0000	1.0000	0.39	
110.5	1,289		0.0000	1.0000	0.39	
111.5	1,289		0.0000	1.0000	0.39	
112.5	1,289		0.0000	1.0000	0.39	
113.5	1,289		0.0000	1.0000	0.39	

AMEREN MISSOURI
 ACCOUNT 362 STATION EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 362 STATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1900-2018

EXPERIENCE BAND 1932-2018

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	1,140,703,991	181,711	0.0002	0.9998	100.00
0.5	1,099,062,479	632,211	0.0006	0.9994	99.98
1.5	1,060,320,667	868,217	0.0008	0.9992	99.93
2.5	981,618,540	961,233	0.0010	0.9990	99.84
3.5	959,219,901	1,549,401	0.0016	0.9984	99.75
4.5	904,503,311	1,883,639	0.0021	0.9979	99.59
5.5	877,301,833	3,009,388	0.0034	0.9966	99.38
6.5	790,495,539	2,384,979	0.0030	0.9970	99.04
7.5	749,059,260	1,145,979	0.0015	0.9985	98.74
8.5	703,725,595	1,701,955	0.0024	0.9976	98.59
9.5	645,620,274	2,196,637	0.0034	0.9966	98.35
10.5	616,590,958	1,134,779	0.0018	0.9982	98.01
11.5	584,127,506	972,182	0.0017	0.9983	97.83
12.5	550,707,282	1,530,556	0.0028	0.9972	97.67
13.5	525,815,274	1,559,194	0.0030	0.9970	97.40
14.5	504,424,132	2,052,354	0.0041	0.9959	97.11
15.5	477,545,916	2,293,430	0.0048	0.9952	96.72
16.5	459,668,763	2,041,095	0.0044	0.9956	96.25
17.5	448,704,960	1,061,946	0.0024	0.9976	95.82
18.5	441,209,657	3,522,239	0.0080	0.9920	95.60
19.5	430,377,290	1,983,549	0.0046	0.9954	94.83
20.5	421,507,879	1,136,337	0.0027	0.9973	94.40
21.5	401,321,383	2,256,212	0.0056	0.9944	94.14
22.5	375,746,480	1,778,986	0.0047	0.9953	93.61
23.5	358,159,487	704,659	0.0020	0.9980	93.17
24.5	332,631,546	1,806,040	0.0054	0.9946	92.99
25.5	313,579,847	2,486,127	0.0079	0.9921	92.48
26.5	289,737,406	1,042,946	0.0036	0.9964	91.75
27.5	276,033,777	1,287,843	0.0047	0.9953	91.42
28.5	263,728,488	1,631,413	0.0062	0.9938	90.99
29.5	254,861,472	2,043,395	0.0080	0.9920	90.43
30.5	237,397,610	1,132,604	0.0048	0.9952	89.70
31.5	229,605,695	1,388,706	0.0060	0.9940	89.28
32.5	219,383,510	747,945	0.0034	0.9966	88.74
33.5	214,804,936	1,717,789	0.0080	0.9920	88.43
34.5	206,151,568	1,190,806	0.0058	0.9942	87.73
35.5	192,734,964	1,634,481	0.0085	0.9915	87.22
36.5	183,437,994	1,193,324	0.0065	0.9935	86.48
37.5	175,206,555	1,434,583	0.0082	0.9918	85.92
38.5	169,434,731	1,466,476	0.0087	0.9913	85.21

AMEREN MISSOURI

ACCOUNT 362 STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2018			EXPERIENCE BAND 1932-2018		
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	160,460,536	1,440,083	0.0090	0.9910	84.48
40.5	154,318,444	958,386	0.0062	0.9938	83.72
41.5	149,046,506	875,603	0.0059	0.9941	83.20
42.5	141,423,325	2,425,827	0.0172	0.9828	82.71
43.5	130,229,820	1,248,522	0.0096	0.9904	81.29
44.5	121,490,126	1,447,416	0.0119	0.9881	80.51
45.5	115,712,869	1,454,859	0.0126	0.9874	79.55
46.5	109,578,300	1,448,544	0.0132	0.9868	78.55
47.5	101,878,355	1,309,331	0.0129	0.9871	77.51
48.5	93,191,538	2,965,208	0.0318	0.9682	76.52
49.5	82,174,506	1,154,358	0.0140	0.9860	74.08
50.5	73,868,760	2,139,381	0.0290	0.9710	73.04
51.5	64,780,094	1,579,666	0.0244	0.9756	70.93
52.5	58,912,095	1,327,622	0.0225	0.9775	69.20
53.5	52,288,633	1,110,504	0.0212	0.9788	67.64
54.5	46,264,808	898,423	0.0194	0.9806	66.20
55.5	41,996,568	1,526,279	0.0363	0.9637	64.92
56.5	38,223,225	993,758	0.0260	0.9740	62.56
57.5	34,904,014	1,612,121	0.0462	0.9538	60.93
58.5	30,602,677	1,124,587	0.0367	0.9633	58.12
59.5	26,308,876	817,473	0.0311	0.9689	55.98
60.5	23,775,513	891,662	0.0375	0.9625	54.24
61.5	19,499,658	550,928	0.0283	0.9717	52.21
62.5	16,754,795	479,539	0.0286	0.9714	50.73
63.5	15,206,997	741,231	0.0487	0.9513	49.28
64.5	12,650,818	1,219,762	0.0964	0.9036	46.88
65.5	10,958,750	703,915	0.0642	0.9358	42.36
66.5	9,337,444	531,876	0.0570	0.9430	39.64
67.5	6,846,090	490,830	0.0717	0.9283	37.38
68.5	5,862,401	296,200	0.0505	0.9495	34.70
69.5	4,741,487	54,403	0.0115	0.9885	32.95
70.5	4,421,692	165,875	0.0375	0.9625	32.57
71.5	4,160,234	105,574	0.0254	0.9746	31.35
72.5	4,046,562	53,412	0.0132	0.9868	30.55
73.5	3,919,545	74,555	0.0190	0.9810	30.15
74.5	3,843,591	61,450	0.0160	0.9840	29.57
75.5	3,726,069	1,108,301	0.2974	0.7026	29.10
76.5	2,613,603	126,700	0.0485	0.9515	20.45
77.5	2,406,259	34,499	0.0143	0.9857	19.45
78.5	2,340,416	4,007	0.0017	0.9983	19.18

AMEREN MISSOURI

ACCOUNT 362 STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2018			EXPERIENCE BAND 1932-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	2,302,451	21,594	0.0094	0.9906	19.14	
80.5	2,173,428	4,582	0.0021	0.9979	18.96	
81.5	2,150,593	56,871	0.0264	0.9736	18.92	
82.5	2,087,020	301,531	0.1445	0.8555	18.42	
83.5	1,779,851	1,470,432	0.8262	0.1738	15.76	
84.5	306,638	23,691	0.0773	0.9227	2.74	
85.5	278,568	23,310	0.0837	0.9163	2.53	
86.5	246,057	873	0.0035	0.9965	2.32	
87.5	234,770	15,335	0.0653	0.9347	2.31	
88.5	200,253	19,380	0.0968	0.9032	2.16	
89.5	175,620	29,085	0.1656	0.8344	1.95	
90.5	145,234	7,181	0.0494	0.9506	1.63	
91.5	137,883	1,041	0.0076	0.9924	1.55	
92.5	126,077	9,533	0.0756	0.9244	1.53	
93.5	109,047	2,989	0.0274	0.9726	1.42	
94.5	106,059	5,492	0.0518	0.9482	1.38	
95.5	100,567	9,715	0.0966	0.9034	1.31	
96.5	90,852	68,285	0.7516	0.2484	1.18	
97.5	22,567		0.0000	1.0000	0.29	
98.5	22,567		0.0000	1.0000	0.29	
99.5	22,567	3,457	0.1532	0.8468	0.29	
100.5	16,699		0.0000	1.0000	0.25	
101.5	15,061	7,319	0.4860	0.5140	0.25	
102.5	7,741		0.0000	1.0000	0.13	
103.5	7,741		0.0000	1.0000	0.13	
104.5	7,741		0.0000	1.0000	0.13	
105.5	7,741		0.0000	1.0000	0.13	
106.5					0.13	

AMEREN MISSOURI

ACCOUNT 362 STATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1900-2018

EXPERIENCE BAND 1989-2018

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	867,603,049	155,865	0.0002	0.9998	100.00
0.5	842,057,820	402,357	0.0005	0.9995	99.98
1.5	809,072,854	495,669	0.0006	0.9994	99.93
2.5	740,059,446	452,621	0.0006	0.9994	99.87
3.5	722,278,540	871,666	0.0012	0.9988	99.81
4.5	675,439,622	1,467,149	0.0022	0.9978	99.69
5.5	660,450,717	2,700,947	0.0041	0.9959	99.47
6.5	583,538,628	1,886,174	0.0032	0.9968	99.07
7.5	549,711,025	826,933	0.0015	0.9985	98.75
8.5	510,297,930	917,058	0.0018	0.9982	98.60
9.5	461,188,800	1,867,286	0.0040	0.9960	98.42
10.5	437,842,886	822,718	0.0019	0.9981	98.02
11.5	411,499,279	573,734	0.0014	0.9986	97.84
12.5	386,165,724	1,081,378	0.0028	0.9972	97.70
13.5	371,526,577	1,244,628	0.0034	0.9966	97.43
14.5	359,642,820	1,757,234	0.0049	0.9951	97.10
15.5	338,507,918	1,930,408	0.0057	0.9943	96.63
16.5	326,274,649	1,657,741	0.0051	0.9949	96.08
17.5	324,248,789	719,330	0.0022	0.9978	95.59
18.5	325,783,850	3,156,706	0.0097	0.9903	95.38
19.5	325,639,129	1,697,064	0.0052	0.9948	94.45
20.5	325,532,740	752,287	0.0023	0.9977	93.96
21.5	314,246,107	2,056,765	0.0065	0.9935	93.74
22.5	295,015,286	1,490,992	0.0051	0.9949	93.13
23.5	285,461,189	516,305	0.0018	0.9982	92.66
24.5	266,380,434	1,672,207	0.0063	0.9937	92.49
25.5	252,439,573	2,258,550	0.0089	0.9911	91.91
26.5	232,433,777	761,835	0.0033	0.9967	91.09
27.5	223,295,744	962,518	0.0043	0.9957	90.79
28.5	216,165,420	1,415,512	0.0065	0.9935	90.40
29.5	211,586,706	1,894,410	0.0090	0.9910	89.81
30.5	197,137,891	990,920	0.0050	0.9950	89.00
31.5	194,253,280	1,089,091	0.0056	0.9944	88.56
32.5	189,101,957	702,469	0.0037	0.9963	88.06
33.5	187,039,095	1,589,917	0.0085	0.9915	87.73
34.5	181,205,478	1,020,871	0.0056	0.9944	86.99
35.5	168,999,637	1,305,700	0.0077	0.9923	86.50
36.5	161,785,131	986,402	0.0061	0.9939	85.83
37.5	157,527,314	1,230,251	0.0078	0.9922	85.30
38.5	153,166,677	1,097,528	0.0072	0.9928	84.64

AMEREN MISSOURI

ACCOUNT 362 STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2018			EXPERIENCE BAND 1989-2018		
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	147,641,812	1,024,132	0.0069	0.9931	84.03
40.5	143,071,739	861,945	0.0060	0.9940	83.45
41.5	138,232,636	775,121	0.0056	0.9944	82.95
42.5	130,842,949	2,163,908	0.0165	0.9835	82.48
43.5	120,238,001	1,186,324	0.0099	0.9901	81.12
44.5	111,577,580	1,230,180	0.0110	0.9890	80.32
45.5	106,138,096	1,260,832	0.0119	0.9881	79.43
46.5	100,713,792	1,386,570	0.0138	0.9862	78.49
47.5	93,419,228	1,154,202	0.0124	0.9876	77.41
48.5	85,100,493	2,692,955	0.0316	0.9684	76.45
49.5	74,581,003	989,045	0.0133	0.9867	74.03
50.5	67,750,201	769,065	0.0114	0.9886	73.05
51.5	60,683,366	1,524,901	0.0251	0.9749	72.22
52.5	55,213,522	1,287,003	0.0233	0.9767	70.41
53.5	48,695,264	1,045,634	0.0215	0.9785	68.76
54.5	42,755,447	857,747	0.0201	0.9799	67.29
55.5	38,552,197	1,510,476	0.0392	0.9608	65.94
56.5	34,811,244	974,600	0.0280	0.9720	63.35
57.5	31,934,524	1,575,137	0.0493	0.9507	61.58
58.5	29,356,553	1,088,953	0.0371	0.9629	58.54
59.5	25,217,363	771,781	0.0306	0.9694	56.37
60.5	22,940,108	890,099	0.0388	0.9612	54.65
61.5	18,707,821	541,718	0.0290	0.9710	52.53
62.5	16,068,965	434,157	0.0270	0.9730	51.01
63.5	14,640,258	730,818	0.0499	0.9501	49.63
64.5	12,318,754	1,189,966	0.0966	0.9034	47.15
65.5	10,727,974	623,400	0.0581	0.9419	42.60
66.5	9,204,332	531,876	0.0578	0.9422	40.12
67.5	6,719,675	490,830	0.0730	0.9270	37.80
68.5	5,739,572	296,200	0.0516	0.9484	35.04
69.5	4,624,149	50,539	0.0109	0.9891	33.23
70.5	4,319,426	165,875	0.0384	0.9616	32.87
71.5	4,131,349	105,574	0.0256	0.9744	31.61
72.5	4,017,678	53,412	0.0133	0.9867	30.80
73.5	3,893,290	74,555	0.0191	0.9809	30.39
74.5	3,817,337	61,450	0.0161	0.9839	29.81
75.5	3,699,815	1,108,301	0.2996	0.7004	29.33
76.5	2,602,409	126,700	0.0487	0.9513	20.54
77.5	2,403,321	34,499	0.0144	0.9856	19.54
78.5	2,337,478	4,007	0.0017	0.9983	19.26

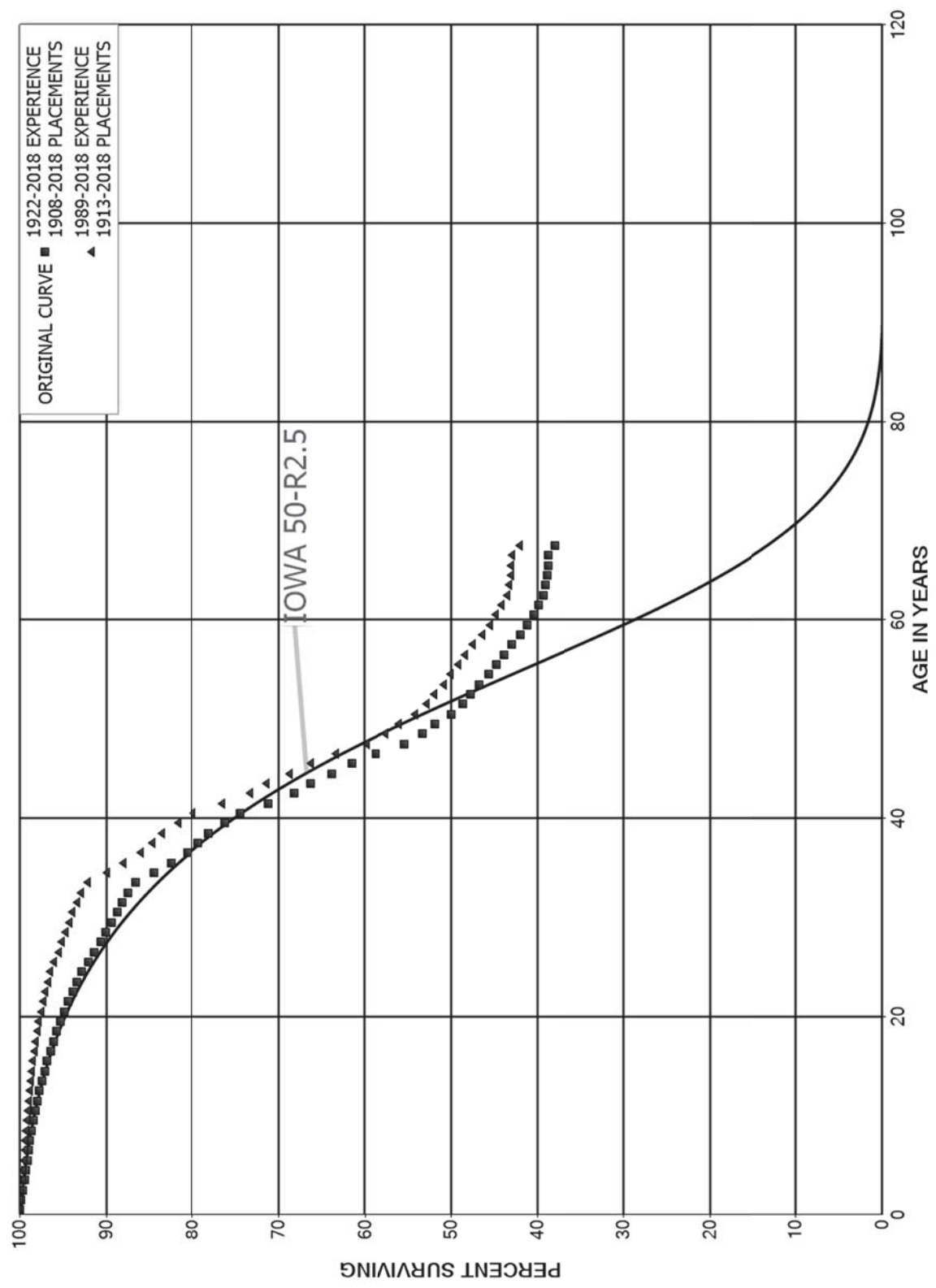
AMEREN MISSOURI

ACCOUNT 362 STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2018			EXPERIENCE BAND 1989-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	2,300,067	21,594	0.0094	0.9906	19.23
80.5	2,171,044	4,582	0.0021	0.9979	19.05
81.5	2,148,209	56,871	0.0265	0.9735	19.01
82.5	2,085,737	301,531	0.1446	0.8554	18.50
83.5	1,778,934	1,470,432	0.8266	0.1734	15.83
84.5	305,721	23,691	0.0775	0.9225	2.75
85.5	277,651	23,310	0.0840	0.9160	2.53
86.5	245,140	873	0.0036	0.9964	2.32
87.5	233,853	15,335	0.0656	0.9344	2.31
88.5	200,253	19,380	0.0968	0.9032	2.16
89.5	175,620	29,085	0.1656	0.8344	1.95
90.5	145,234	7,181	0.0494	0.9506	1.63
91.5	137,883	1,041	0.0076	0.9924	1.55
92.5	126,077	9,533	0.0756	0.9244	1.54
93.5	109,047	2,989	0.0274	0.9726	1.42
94.5	106,059	5,492	0.0518	0.9482	1.38
95.5	100,567	9,715	0.0966	0.9034	1.31
96.5	90,852	68,285	0.7516	0.2484	1.18
97.5	22,567		0.0000	1.0000	0.29
98.5	22,567		0.0000	1.0000	0.29
99.5	22,567	3,457	0.1532	0.8468	0.29
100.5	16,699		0.0000	1.0000	0.25
101.5	15,061	7,319	0.4860	0.5140	0.25
102.5	7,741		0.0000	1.0000	0.13
103.5	7,741		0.0000	1.0000	0.13
104.5	7,741		0.0000	1.0000	0.13
105.5	7,741		0.0000	1.0000	0.13
106.5					0.13

AMEREN MISSOURI
 ACCOUNT 364 POLES AND FIXTURES
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 364 POLES AND FIXTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1908-2018

EXPERIENCE BAND 1922-2018

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	1,265,877,247	460,503	0.0004	0.9996	100.00
0.5	1,250,264,793	1,856,194	0.0015	0.9985	99.96
1.5	1,204,772,497	3,025,225	0.0025	0.9975	99.82
2.5	1,150,914,710	2,392,149	0.0021	0.9979	99.56
3.5	1,108,153,571	1,310,134	0.0012	0.9988	99.36
4.5	1,070,922,647	1,584,051	0.0015	0.9985	99.24
5.5	1,023,145,681	1,361,463	0.0013	0.9987	99.09
6.5	988,169,983	1,543,462	0.0016	0.9984	98.96
7.5	949,413,547	1,699,960	0.0018	0.9982	98.81
8.5	913,362,362	1,794,913	0.0020	0.9980	98.63
9.5	835,108,943	2,085,778	0.0025	0.9975	98.44
10.5	774,997,940	1,912,063	0.0025	0.9975	98.19
11.5	746,383,458	1,984,252	0.0027	0.9973	97.95
12.5	696,290,993	1,866,270	0.0027	0.9973	97.69
13.5	666,090,377	2,225,071	0.0033	0.9967	97.43
14.5	639,796,057	2,012,576	0.0031	0.9969	97.10
15.5	616,200,465	2,206,572	0.0036	0.9964	96.79
16.5	591,103,512	2,126,311	0.0036	0.9964	96.45
17.5	566,263,788	2,292,186	0.0040	0.9960	96.10
18.5	537,483,446	2,210,599	0.0041	0.9959	95.71
19.5	515,712,986	2,517,158	0.0049	0.9951	95.32
20.5	492,031,944	2,588,486	0.0053	0.9947	94.85
21.5	465,064,610	2,577,331	0.0055	0.9945	94.35
22.5	442,391,273	2,161,391	0.0049	0.9951	93.83
23.5	419,835,606	2,523,288	0.0060	0.9940	93.37
24.5	397,071,917	3,191,609	0.0080	0.9920	92.81
25.5	379,149,870	2,942,903	0.0078	0.9922	92.07
26.5	351,166,547	2,672,781	0.0076	0.9924	91.35
27.5	330,967,524	2,198,183	0.0066	0.9934	90.66
28.5	309,496,842	2,294,204	0.0074	0.9926	90.05
29.5	287,464,844	1,966,323	0.0068	0.9932	89.39
30.5	266,866,776	1,892,995	0.0071	0.9929	88.77
31.5	248,838,226	1,814,400	0.0073	0.9927	88.15
32.5	230,967,369	2,417,058	0.0105	0.9895	87.50
33.5	214,192,671	5,255,410	0.0245	0.9755	86.59
34.5	193,053,733	4,384,968	0.0227	0.9773	84.46
35.5	175,002,331	4,144,947	0.0237	0.9763	82.54
36.5	159,710,415	2,632,741	0.0165	0.9835	80.59
37.5	146,800,495	2,299,108	0.0157	0.9843	79.26
38.5	132,244,095	3,105,912	0.0235	0.9765	78.02

AMEREN MISSOURI

ACCOUNT 364 POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1922-2018		
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	118,870,419	2,738,568	0.0230	0.9770	76.19
40.5	108,710,710	4,711,445	0.0433	0.9567	74.43
41.5	96,863,629	4,152,510	0.0429	0.9571	71.21
42.5	86,417,439	2,345,249	0.0271	0.9729	68.15
43.5	79,028,986	2,958,440	0.0374	0.9626	66.30
44.5	71,054,897	2,638,604	0.0371	0.9629	63.82
45.5	63,816,605	2,809,713	0.0440	0.9560	61.45
46.5	55,261,293	3,144,469	0.0569	0.9431	58.75
47.5	47,794,865	1,797,215	0.0376	0.9624	55.40
48.5	41,456,605	1,193,596	0.0288	0.9712	53.32
49.5	34,678,006	1,254,784	0.0362	0.9638	51.78
50.5	30,591,385	807,206	0.0264	0.9736	49.91
51.5	26,955,344	511,975	0.0190	0.9810	48.59
52.5	24,428,600	505,402	0.0207	0.9793	47.67
53.5	20,723,580	475,344	0.0229	0.9771	46.68
54.5	16,781,505	313,604	0.0187	0.9813	45.61
55.5	13,591,966	285,263	0.0210	0.9790	44.76
56.5	10,764,503	216,930	0.0202	0.9798	43.82
57.5	8,505,292	203,957	0.0240	0.9760	42.94
58.5	6,375,217	112,995	0.0177	0.9823	41.91
59.5	4,581,805	79,814	0.0174	0.9826	41.17
60.5	3,187,113	49,732	0.0156	0.9844	40.45
61.5	2,409,920	35,095	0.0146	0.9854	39.82
62.5	1,819,896	8,309	0.0046	0.9954	39.24
63.5	1,531,590	9,537	0.0062	0.9938	39.06
64.5	1,484,444	1,422	0.0010	0.9990	38.82
65.5	1,443,826	1,248	0.0009	0.9991	38.78
66.5	1,387,024	27,423	0.0198	0.9802	38.75
67.5	710,870	3,245	0.0046	0.9954	37.98
68.5	477,558	1,245	0.0026	0.9974	37.81
69.5	444,239	2,581	0.0058	0.9942	37.71
70.5	386,610	29,811	0.0771	0.9229	37.49
71.5	302,691	2,311	0.0076	0.9924	34.60
72.5	273,904	450	0.0016	0.9984	34.33
73.5	260,886	238	0.0009	0.9991	34.28
74.5	225,663	51	0.0002	0.9998	34.25
75.5	215,740	26,293	0.1219	0.8781	34.24
76.5	201,963	4,784	0.0237	0.9763	30.07
77.5	192,037	92	0.0005	0.9995	29.35
78.5	184,659		0.0000	1.0000	29.34

AMEREN MISSOURI

ACCOUNT 364 POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1922-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	175,638	39	0.0002	0.9998	29.34	
80.5	161,145	22	0.0001	0.9999	29.33	
81.5	88,474	418	0.0047	0.9953	29.33	
82.5	84,010		0.0000	1.0000	29.19	
83.5	83,470		0.0000	1.0000	29.19	
84.5	80,144	16	0.0002	0.9998	29.19	
85.5	77,869		0.0000	1.0000	29.18	
86.5	77,814		0.0000	1.0000	29.18	
87.5	75,362		0.0000	1.0000	29.18	
88.5	69,975		0.0000	1.0000	29.18	
89.5	69,975		0.0000	1.0000	29.18	
90.5	69,600		0.0000	1.0000	29.18	
91.5	69,600		0.0000	1.0000	29.18	
92.5	69,600		0.0000	1.0000	29.18	
93.5	57,248		0.0000	1.0000	29.18	
94.5	57,210	279	0.0049	0.9951	29.18	
95.5	56,931		0.0000	1.0000	29.04	
96.5	56,931		0.0000	1.0000	29.04	
97.5	56,931		0.0000	1.0000	29.04	
98.5	56,931		0.0000	1.0000	29.04	
99.5	56,931		0.0000	1.0000	29.04	
100.5	56,931		0.0000	1.0000	29.04	
101.5	56,931		0.0000	1.0000	29.04	
102.5	56,931		0.0000	1.0000	29.04	
103.5	56,651		0.0000	1.0000	29.04	
104.5	56,651		0.0000	1.0000	29.04	
105.5					29.04	

AMEREN MISSOURI

ACCOUNT 364 POLES AND FIXTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1989-2018

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	928,131,715	390,013	0.0004	0.9996	100.00
0.5	932,553,897	890,107	0.0010	0.9990	99.96
1.5	905,648,100	1,472,244	0.0016	0.9984	99.86
2.5	873,713,982	1,530,209	0.0018	0.9982	99.70
3.5	847,668,399	517,618	0.0006	0.9994	99.53
4.5	827,907,107	711,671	0.0009	0.9991	99.46
5.5	796,025,567	484,405	0.0006	0.9994	99.38
6.5	773,686,463	687,326	0.0009	0.9991	99.32
7.5	747,379,641	805,297	0.0011	0.9989	99.23
8.5	725,722,406	748,646	0.0010	0.9990	99.12
9.5	659,818,172	534,498	0.0008	0.9992	99.02
10.5	610,294,170	521,973	0.0009	0.9991	98.94
11.5	592,334,985	569,173	0.0010	0.9990	98.86
12.5	552,558,260	616,635	0.0011	0.9989	98.76
13.5	531,157,365	820,263	0.0015	0.9985	98.65
14.5	514,000,311	641,194	0.0012	0.9988	98.50
15.5	498,964,529	838,717	0.0017	0.9983	98.38
16.5	482,951,945	760,070	0.0016	0.9984	98.21
17.5	465,948,017	802,011	0.0017	0.9983	98.06
18.5	444,575,601	888,537	0.0020	0.9980	97.89
19.5	431,286,251	1,095,190	0.0025	0.9975	97.69
20.5	414,195,078	1,093,581	0.0026	0.9974	97.44
21.5	393,984,602	1,135,227	0.0029	0.9971	97.19
22.5	378,305,074	957,079	0.0025	0.9975	96.91
23.5	362,239,010	1,073,582	0.0030	0.9970	96.66
24.5	345,703,579	1,611,556	0.0047	0.9953	96.37
25.5	333,650,690	1,661,204	0.0050	0.9950	95.93
26.5	311,104,239	1,344,808	0.0043	0.9957	95.45
27.5	296,194,125	1,188,900	0.0040	0.9960	95.04
28.5	279,603,814	1,290,416	0.0046	0.9954	94.65
29.5	261,710,434	1,197,904	0.0046	0.9954	94.22
30.5	244,775,732	1,199,280	0.0049	0.9951	93.79
31.5	230,374,828	1,196,795	0.0052	0.9948	93.33
32.5	216,003,734	1,922,893	0.0089	0.9911	92.84
33.5	201,586,174	4,678,660	0.0232	0.9768	92.01
34.5	182,584,291	3,904,979	0.0214	0.9786	89.88
35.5	166,221,981	3,780,113	0.0227	0.9773	87.96
36.5	152,377,064	2,329,653	0.0153	0.9847	85.96
37.5	141,565,267	1,954,652	0.0138	0.9862	84.64
38.5	128,105,393	2,779,586	0.0217	0.9783	83.47

AMEREN MISSOURI

ACCOUNT 364 POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1989-2018		
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	115,487,814	2,518,654	0.0218	0.9782	81.66
40.5	105,744,296	4,564,008	0.0432	0.9568	79.88
41.5	94,289,329	4,001,419	0.0424	0.9576	76.43
42.5	84,071,883	2,220,672	0.0264	0.9736	73.19
43.5	76,856,883	2,849,987	0.0371	0.9629	71.26
44.5	69,035,389	2,498,790	0.0362	0.9638	68.61
45.5	61,980,688	2,682,337	0.0433	0.9567	66.13
46.5	53,627,039	3,029,039	0.0565	0.9435	63.27
47.5	46,350,727	1,661,077	0.0358	0.9642	59.70
48.5	40,204,526	1,095,270	0.0272	0.9728	57.56
49.5	33,574,621	1,134,100	0.0338	0.9662	55.99
50.5	29,670,362	730,894	0.0246	0.9754	54.10
51.5	26,224,668	485,473	0.0185	0.9815	52.76
52.5	23,799,065	464,659	0.0195	0.9805	51.79
53.5	20,184,047	342,348	0.0170	0.9830	50.78
54.5	16,439,976	262,865	0.0160	0.9840	49.92
55.5	13,328,438	228,625	0.0172	0.9828	49.12
56.5	10,589,282	198,137	0.0187	0.9813	48.27
57.5	8,370,135	198,781	0.0237	0.9763	47.37
58.5	6,266,053	108,785	0.0174	0.9826	46.25
59.5	4,483,715	73,331	0.0164	0.9836	45.44
60.5	3,095,880	45,686	0.0148	0.9852	44.70
61.5	2,326,911	32,600	0.0140	0.9860	44.04
62.5	1,739,381	8,061	0.0046	0.9954	43.42
63.5	1,473,995	9,537	0.0065	0.9935	43.22
64.5	1,426,887	1,422	0.0010	0.9990	42.94
65.5	1,386,269	1,248	0.0009	0.9991	42.90
66.5	1,329,467	27,366	0.0206	0.9794	42.86
67.5	653,370	3,188	0.0049	0.9951	41.98
68.5	420,115	1,187	0.0028	0.9972	41.77
69.5	386,855	2,509	0.0065	0.9935	41.66
70.5	329,297	29,718	0.0902	0.9098	41.39
71.5	245,471	2,301	0.0094	0.9906	37.65
72.5	216,695	450	0.0021	0.9979	37.30
73.5	204,234	238	0.0012	0.9988	37.22
74.5	169,011	51	0.0003	0.9997	37.18
75.5	215,740	26,293	0.1219	0.8781	37.17
76.5	201,963	4,784	0.0237	0.9763	32.64
77.5	192,037	92	0.0005	0.9995	31.86
78.5	184,659		0.0000	1.0000	31.85

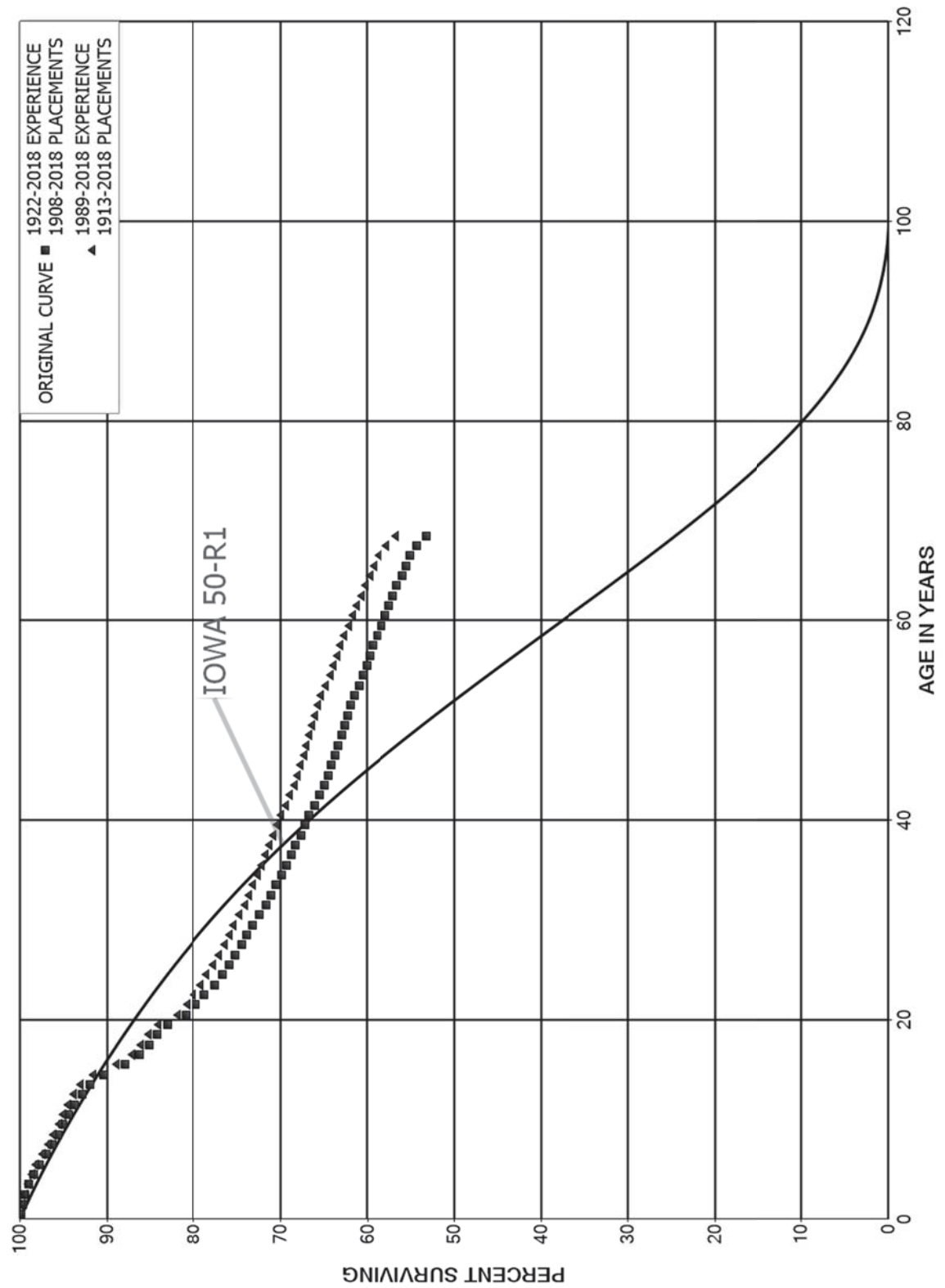
AMEREN MISSOURI

ACCOUNT 364 POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1989-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	175,638	39	0.0002	0.9998	31.85	
80.5	161,145	22	0.0001	0.9999	31.84	
81.5	88,474	418	0.0047	0.9953	31.84	
82.5	84,010		0.0000	1.0000	31.69	
83.5	83,470		0.0000	1.0000	31.69	
84.5	80,144	16	0.0002	0.9998	31.69	
85.5	77,869		0.0000	1.0000	31.68	
86.5	77,814		0.0000	1.0000	31.68	
87.5	75,362		0.0000	1.0000	31.68	
88.5	69,975		0.0000	1.0000	31.68	
89.5	69,975		0.0000	1.0000	31.68	
90.5	69,600		0.0000	1.0000	31.68	
91.5	69,600		0.0000	1.0000	31.68	
92.5	69,600		0.0000	1.0000	31.68	
93.5	57,248		0.0000	1.0000	31.68	
94.5	57,210	279	0.0049	0.9951	31.68	
95.5	56,931		0.0000	1.0000	31.53	
96.5	56,931		0.0000	1.0000	31.53	
97.5	56,931		0.0000	1.0000	31.53	
98.5	56,931		0.0000	1.0000	31.53	
99.5	56,931		0.0000	1.0000	31.53	
100.5	56,931		0.0000	1.0000	31.53	
101.5	56,931		0.0000	1.0000	31.53	
102.5	56,931		0.0000	1.0000	31.53	
103.5	56,651		0.0000	1.0000	31.53	
104.5	56,651		0.0000	1.0000	31.53	
105.5					31.53	

AMEREN MISSOURI
 ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1908-2018

EXPERIENCE BAND 1922-2018

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	1,548,016,108	1,948,036	0.0013	0.9987	100.00
0.5	1,498,422,486	3,322,824	0.0022	0.9978	99.87
1.5	1,444,553,870	4,494,274	0.0031	0.9969	99.65
2.5	1,390,041,847	5,704,442	0.0041	0.9959	99.34
3.5	1,339,651,520	6,988,807	0.0052	0.9948	98.93
4.5	1,289,000,292	8,520,174	0.0066	0.9934	98.42
5.5	1,229,052,270	10,215,368	0.0083	0.9917	97.77
6.5	1,176,970,201	8,342,729	0.0071	0.9929	96.96
7.5	1,115,151,799	7,550,418	0.0068	0.9932	96.27
8.5	1,054,693,294	6,471,889	0.0061	0.9939	95.62
9.5	974,325,705	6,150,546	0.0063	0.9937	95.03
10.5	881,072,492	6,565,192	0.0075	0.9925	94.43
11.5	843,889,835	7,618,692	0.0090	0.9910	93.73
12.5	779,900,983	8,262,285	0.0106	0.9894	92.88
13.5	740,605,258	11,981,170	0.0162	0.9838	91.90
14.5	700,212,953	19,043,009	0.0272	0.9728	90.41
15.5	652,186,871	12,118,443	0.0186	0.9814	87.95
16.5	615,785,010	7,986,490	0.0130	0.9870	86.32
17.5	582,609,811	6,329,228	0.0109	0.9891	85.20
18.5	550,415,737	8,212,265	0.0149	0.9851	84.27
19.5	524,851,705	13,071,043	0.0249	0.9751	83.01
20.5	492,989,498	7,305,918	0.0148	0.9852	80.95
21.5	459,294,668	6,120,611	0.0133	0.9867	79.75
22.5	431,927,932	6,677,677	0.0155	0.9845	78.68
23.5	402,150,028	4,353,978	0.0108	0.9892	77.47
24.5	379,438,340	3,982,564	0.0105	0.9895	76.63
25.5	359,671,193	3,331,501	0.0093	0.9907	75.82
26.5	335,080,422	3,140,599	0.0094	0.9906	75.12
27.5	315,508,843	2,542,484	0.0081	0.9919	74.42
28.5	296,559,439	2,408,985	0.0081	0.9919	73.82
29.5	275,366,498	3,010,122	0.0109	0.9891	73.22
30.5	254,442,142	2,805,310	0.0110	0.9890	72.42
31.5	236,804,933	2,015,134	0.0085	0.9915	71.62
32.5	219,608,421	1,678,251	0.0076	0.9924	71.01
33.5	206,501,941	1,744,987	0.0085	0.9915	70.47
34.5	194,013,020	1,670,168	0.0086	0.9914	69.87
35.5	181,678,742	1,378,448	0.0076	0.9924	69.27
36.5	170,481,845	1,236,904	0.0073	0.9927	68.75
37.5	160,127,288	1,372,120	0.0086	0.9914	68.25
38.5	148,414,630	980,187	0.0066	0.9934	67.66

AMEREN MISSOURI

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1922-2018		
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	138,811,786	1,103,102	0.0079	0.9921	67.22
40.5	129,534,500	1,244,403	0.0096	0.9904	66.68
41.5	121,462,953	1,041,743	0.0086	0.9914	66.04
42.5	113,476,621	962,832	0.0085	0.9915	65.47
43.5	106,732,316	620,452	0.0058	0.9942	64.92
44.5	98,786,809	620,723	0.0063	0.9937	64.54
45.5	91,238,081	609,431	0.0067	0.9933	64.14
46.5	84,687,823	431,590	0.0051	0.9949	63.71
47.5	78,372,991	470,906	0.0060	0.9940	63.38
48.5	72,502,352	390,823	0.0054	0.9946	63.00
49.5	66,277,212	366,401	0.0055	0.9945	62.66
50.5	60,432,568	338,710	0.0056	0.9944	62.32
51.5	55,585,115	373,501	0.0067	0.9933	61.97
52.5	49,913,901	450,340	0.0090	0.9910	61.55
53.5	45,000,942	354,567	0.0079	0.9921	60.99
54.5	41,293,940	278,547	0.0067	0.9933	60.51
55.5	38,636,785	252,000	0.0065	0.9935	60.11
56.5	35,602,452	216,872	0.0061	0.9939	59.71
57.5	32,563,618	252,511	0.0078	0.9922	59.35
58.5	29,658,061	254,923	0.0086	0.9914	58.89
59.5	26,604,280	207,668	0.0078	0.9922	58.38
60.5	23,657,861	178,417	0.0075	0.9925	57.93
61.5	20,471,188	166,016	0.0081	0.9919	57.49
62.5	16,661,148	131,948	0.0079	0.9921	57.02
63.5	13,237,700	140,500	0.0106	0.9894	56.57
64.5	11,138,268	82,281	0.0074	0.9926	55.97
65.5	9,485,162	76,132	0.0080	0.9920	55.56
66.5	7,958,634	127,419	0.0160	0.9840	55.11
67.5	6,107,086	119,553	0.0196	0.9804	54.23
68.5	4,736,476	47,940	0.0101	0.9899	53.17
69.5	3,686,880	109,081	0.0296	0.9704	52.63
70.5	2,698,885	26,916	0.0100	0.9900	51.07
71.5	2,229,111	20,987	0.0094	0.9906	50.56
72.5	1,946,755	85,987	0.0442	0.9558	50.09
73.5	1,816,402	21,091	0.0116	0.9884	47.88
74.5	1,662,541	68,447	0.0412	0.9588	47.32
75.5	1,528,026	14,397	0.0094	0.9906	45.37
76.5	1,309,554	7,665	0.0059	0.9941	44.94
77.5	1,123,741	5,083	0.0045	0.9955	44.68
78.5	905,091	5,796	0.0064	0.9936	44.48

AMEREN MISSOURI

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1922-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	784,956	3,516	0.0045	0.9955	44.19	
80.5	520,311	3,023	0.0058	0.9942	44.00	
81.5	210,025	2,067	0.0098	0.9902	43.74	
82.5	157,922	54,753	0.3467	0.6533	43.31	
83.5	89,467	460	0.0051	0.9949	28.29	
84.5	78,078	1,271	0.0163	0.9837	28.15	
85.5	71,973	1,740	0.0242	0.9758	27.69	
86.5	58,173	842	0.0145	0.9855	27.02	
87.5	31,095	157	0.0051	0.9949	26.63	
88.5	30,603	44	0.0014	0.9986	26.50	
89.5	29,772	94	0.0032	0.9968	26.46	
90.5	28,907	744	0.0257	0.9743	26.37	
91.5	26,166	300	0.0114	0.9886	25.70	
92.5	24,020	61	0.0025	0.9975	25.40	
93.5	17,892	126	0.0070	0.9930	25.34	
94.5	17,627	265	0.0150	0.9850	25.16	
95.5	13,516	40	0.0030	0.9970	24.78	
96.5	12,235	1	0.0001	0.9999	24.71	
97.5	12,214	222	0.0182	0.9818	24.71	
98.5	11,595	443	0.0382	0.9618	24.26	
99.5	2,632	61	0.0230	0.9770	23.33	
100.5	1,433		0.0000	1.0000	22.79	
101.5	1,433		0.0000	1.0000	22.79	
102.5	1,433		0.0000	1.0000	22.79	
103.5	1,433		0.0000	1.0000	22.79	
104.5	1,433		0.0000	1.0000	22.79	
105.5					22.79	

AMEREN MISSOURI

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2018

EXPERIENCE BAND 1989-2018

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	1,161,200,097	1,788,619	0.0015	0.9985	100.00
0.5	1,135,893,324	2,809,984	0.0025	0.9975	99.85
1.5	1,102,554,689	3,242,851	0.0029	0.9971	99.60
2.5	1,070,182,229	4,072,775	0.0038	0.9962	99.31
3.5	1,039,457,359	4,272,116	0.0041	0.9959	98.93
4.5	1,006,151,991	5,147,221	0.0051	0.9949	98.52
5.5	963,663,186	6,678,824	0.0069	0.9931	98.02
6.5	927,441,780	6,415,597	0.0069	0.9931	97.34
7.5	879,395,507	5,855,438	0.0067	0.9933	96.66
8.5	833,651,682	5,034,255	0.0060	0.9940	96.02
9.5	765,698,592	4,145,242	0.0054	0.9946	95.44
10.5	684,431,402	3,703,122	0.0054	0.9946	94.92
11.5	658,749,867	4,500,734	0.0068	0.9932	94.41
12.5	606,572,065	5,019,413	0.0083	0.9917	93.77
13.5	578,080,935	9,128,009	0.0158	0.9842	92.99
14.5	549,583,388	16,387,057	0.0298	0.9702	91.52
15.5	512,580,893	9,691,764	0.0189	0.9811	88.79
16.5	486,336,001	5,864,214	0.0121	0.9879	87.11
17.5	462,582,274	4,555,184	0.0098	0.9902	86.06
18.5	439,074,819	6,010,880	0.0137	0.9863	85.22
19.5	423,089,089	11,273,491	0.0266	0.9734	84.05
20.5	399,880,404	5,358,743	0.0134	0.9866	81.81
21.5	373,935,111	3,767,876	0.0101	0.9899	80.71
22.5	355,708,880	3,520,051	0.0099	0.9901	79.90
23.5	334,890,832	3,016,222	0.0090	0.9910	79.11
24.5	318,093,143	3,043,492	0.0096	0.9904	78.40
25.5	302,820,296	2,557,634	0.0084	0.9916	77.65
26.5	282,753,681	2,522,547	0.0089	0.9911	76.99
27.5	267,294,660	1,883,867	0.0070	0.9930	76.30
28.5	252,670,270	1,669,032	0.0066	0.9934	75.77
29.5	235,802,663	2,080,961	0.0088	0.9912	75.27
30.5	219,208,422	1,861,971	0.0085	0.9915	74.60
31.5	206,258,967	1,323,108	0.0064	0.9936	73.97
32.5	193,925,843	1,161,529	0.0060	0.9940	73.49
33.5	185,076,659	1,306,827	0.0071	0.9929	73.05
34.5	175,411,818	1,160,302	0.0066	0.9934	72.54
35.5	165,611,030	1,000,976	0.0060	0.9940	72.06
36.5	156,613,130	930,158	0.0059	0.9941	71.62
37.5	148,735,973	1,030,417	0.0069	0.9931	71.20
38.5	139,054,035	757,885	0.0055	0.9945	70.70

AMEREN MISSOURI

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1989-2018		
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	131,089,822	850,125	0.0065	0.9935	70.32
40.5	123,355,292	980,540	0.0079	0.9921	69.86
41.5	116,487,307	843,081	0.0072	0.9928	69.31
42.5	109,053,413	793,611	0.0073	0.9927	68.81
43.5	102,619,790	529,951	0.0052	0.9948	68.30
44.5	94,921,481	517,362	0.0055	0.9945	67.95
45.5	87,573,190	498,854	0.0057	0.9943	67.58
46.5	81,357,623	324,334	0.0040	0.9960	67.20
47.5	75,483,884	382,042	0.0051	0.9949	66.93
48.5	70,118,793	303,473	0.0043	0.9957	66.59
49.5	64,209,629	315,597	0.0049	0.9951	66.30
50.5	58,804,111	294,909	0.0050	0.9950	65.98
51.5	54,510,373	333,652	0.0061	0.9939	65.64
52.5	49,058,494	412,575	0.0084	0.9916	65.24
53.5	44,288,462	329,348	0.0074	0.9926	64.69
54.5	40,713,673	251,681	0.0062	0.9938	64.21
55.5	38,155,301	238,145	0.0062	0.9938	63.82
56.5	35,245,909	204,039	0.0058	0.9942	63.42
57.5	32,340,815	245,200	0.0076	0.9924	63.05
58.5	29,515,548	247,009	0.0084	0.9916	62.57
59.5	26,485,211	199,630	0.0075	0.9925	62.05
60.5	23,594,608	170,697	0.0072	0.9928	61.58
61.5	20,418,181	162,278	0.0079	0.9921	61.14
62.5	16,613,961	121,311	0.0073	0.9927	60.65
63.5	13,213,424	140,500	0.0106	0.9894	60.21
64.5	11,114,162	82,281	0.0074	0.9926	59.57
65.5	9,465,787	76,132	0.0080	0.9920	59.13
66.5	7,940,980	127,419	0.0160	0.9840	58.65
67.5	6,089,465	119,553	0.0196	0.9804	57.71
68.5	4,719,318	47,940	0.0102	0.9898	56.58
69.5	3,679,779	109,081	0.0296	0.9704	56.00
70.5	2,696,821	26,916	0.0100	0.9900	54.34
71.5	2,227,155	20,987	0.0094	0.9906	53.80
72.5	1,945,247	85,987	0.0442	0.9558	53.29
73.5	1,814,968	21,091	0.0116	0.9884	50.94
74.5	1,661,107	68,447	0.0412	0.9588	50.34
75.5	1,528,026	14,397	0.0094	0.9906	48.27
76.5	1,309,554	7,665	0.0059	0.9941	47.82
77.5	1,123,741	5,083	0.0045	0.9955	47.54
78.5	905,091	5,796	0.0064	0.9936	47.32

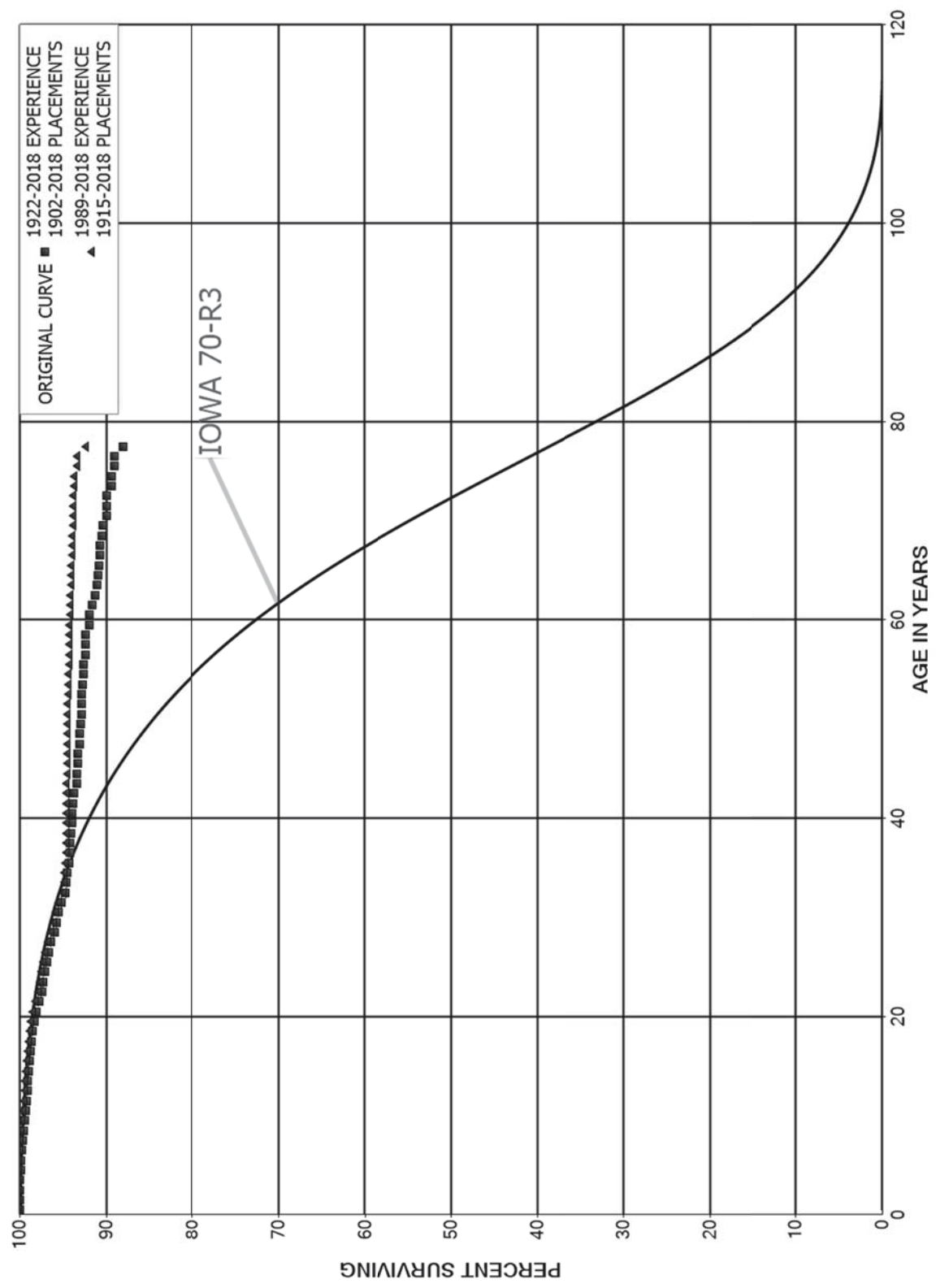
AMEREN MISSOURI

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2018			EXPERIENCE BAND 1989-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	784,956	3,516	0.0045	0.9955	47.02	
80.5	520,311	3,023	0.0058	0.9942	46.81	
81.5	210,025	2,067	0.0098	0.9902	46.54	
82.5	157,922	54,753	0.3467	0.6533	46.08	
83.5	89,467	460	0.0051	0.9949	30.10	
84.5	78,078	1,271	0.0163	0.9837	29.95	
85.5	71,973	1,740	0.0242	0.9758	29.46	
86.5	58,173	842	0.0145	0.9855	28.75	
87.5	31,095	157	0.0051	0.9949	28.33	
88.5	30,603	44	0.0014	0.9986	28.19	
89.5	29,772	94	0.0032	0.9968	28.15	
90.5	28,907	744	0.0257	0.9743	28.06	
91.5	26,166	300	0.0114	0.9886	27.34	
92.5	24,020	61	0.0025	0.9975	27.02	
93.5	17,892	126	0.0070	0.9930	26.96	
94.5	17,627	265	0.0150	0.9850	26.77	
95.5	13,516	40	0.0030	0.9970	26.36	
96.5	12,235	1	0.0001	0.9999	26.29	
97.5	12,214	222	0.0182	0.9818	26.28	
98.5	11,595	443	0.0382	0.9618	25.81	
99.5	2,632	61	0.0230	0.9770	24.82	
100.5	1,433		0.0000	1.0000	24.25	
101.5	1,433		0.0000	1.0000	24.25	
102.5	1,433		0.0000	1.0000	24.25	
103.5	1,433		0.0000	1.0000	24.25	
104.5	1,433		0.0000	1.0000	24.25	
105.5					24.25	

AMEREN MISSOURI
 ACCOUNT 366 UNDERGROUND CONDUIT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 366 UNDERGROUND CONDUIT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1902-2018

EXPERIENCE BAND 1922-2018

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	494,651,006	16,353	0.0000	1.0000	100.00
0.5	463,726,755	103,255	0.0002	0.9998	100.00
1.5	435,095,732	104,320	0.0002	0.9998	99.97
2.5	396,888,590	203,110	0.0005	0.9995	99.95
3.5	367,831,888	218,073	0.0006	0.9994	99.90
4.5	329,375,858	137,680	0.0004	0.9996	99.84
5.5	310,812,812	214,932	0.0007	0.9993	99.80
6.5	294,326,771	232,043	0.0008	0.9992	99.73
7.5	280,514,843	279,435	0.0010	0.9990	99.65
8.5	268,316,582	363,224	0.0014	0.9986	99.55
9.5	232,399,618	259,711	0.0011	0.9989	99.42
10.5	195,816,235	240,738	0.0012	0.9988	99.31
11.5	186,416,103	160,464	0.0009	0.9991	99.18
12.5	175,456,796	143,959	0.0008	0.9992	99.10
13.5	156,514,138	193,060	0.0012	0.9988	99.02
14.5	146,100,359	161,724	0.0011	0.9989	98.89
15.5	136,824,466	137,846	0.0010	0.9990	98.79
16.5	131,118,093	141,240	0.0011	0.9989	98.69
17.5	124,971,438	142,149	0.0011	0.9989	98.58
18.5	118,477,121	172,835	0.0015	0.9985	98.47
19.5	113,591,149	277,706	0.0024	0.9976	98.32
20.5	106,452,487	383,926	0.0036	0.9964	98.08
21.5	95,735,833	283,562	0.0030	0.9970	97.73
22.5	90,476,721	176,536	0.0020	0.9980	97.44
23.5	83,127,271	159,923	0.0019	0.9981	97.25
24.5	79,225,481	155,043	0.0020	0.9980	97.06
25.5	74,493,874	166,865	0.0022	0.9978	96.87
26.5	68,354,128	213,258	0.0031	0.9969	96.66
27.5	64,363,769	233,129	0.0036	0.9964	96.35
28.5	59,879,793	177,932	0.0030	0.9970	96.01
29.5	56,118,503	156,626	0.0028	0.9972	95.72
30.5	50,390,006	172,961	0.0034	0.9966	95.45
31.5	47,795,882	216,117	0.0045	0.9955	95.13
32.5	42,788,713	38,873	0.0009	0.9991	94.70
33.5	40,724,930	57,135	0.0014	0.9986	94.61
34.5	36,748,020	57,349	0.0016	0.9984	94.48
35.5	36,274,566	46,651	0.0013	0.9987	94.33
36.5	35,345,050	30,702	0.0009	0.9991	94.21
37.5	34,437,450	29,926	0.0009	0.9991	94.13
38.5	33,770,213	16,406	0.0005	0.9995	94.04

AMEREN MISSOURI

ACCOUNT 366 UNDERGROUND CONDUIT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2018			EXPERIENCE BAND 1922-2018		
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	33,145,636	36,480	0.0011	0.9989	94.00
40.5	32,534,859	33,269	0.0010	0.9990	93.89
41.5	31,212,492	35,657	0.0011	0.9989	93.80
42.5	30,602,119	94,496	0.0031	0.9969	93.69
43.5	29,535,572	11,929	0.0004	0.9996	93.40
44.5	27,427,523	21,942	0.0008	0.9992	93.36
45.5	26,917,242	12,344	0.0005	0.9995	93.29
46.5	25,883,982	47,678	0.0018	0.9982	93.25
47.5	24,830,399	11,858	0.0005	0.9995	93.08
48.5	23,469,455	13,980	0.0006	0.9994	93.03
49.5	22,567,535	23,251	0.0010	0.9990	92.98
50.5	20,490,020	3,077	0.0002	0.9998	92.88
51.5	19,283,830	3,540	0.0002	0.9998	92.87
52.5	18,286,553	31,078	0.0017	0.9983	92.85
53.5	16,641,749	6,607	0.0004	0.9996	92.69
54.5	15,228,646	10,979	0.0007	0.9993	92.65
55.5	14,195,049	23,948	0.0017	0.9983	92.59
56.5	13,195,617	3,460	0.0003	0.9997	92.43
57.5	12,396,120	3,813	0.0003	0.9997	92.41
58.5	11,539,649	48,550	0.0042	0.9958	92.38
59.5	10,806,324	4,585	0.0004	0.9996	91.99
60.5	10,056,566	31,437	0.0031	0.9969	91.95
61.5	9,467,744	37,031	0.0039	0.9961	91.66
62.5	8,672,704	26,810	0.0031	0.9969	91.30
63.5	8,206,806	4,038	0.0005	0.9995	91.02
64.5	7,939,442	12,063	0.0015	0.9985	90.98
65.5	7,799,632	11,252	0.0014	0.9986	90.84
66.5	7,552,094	2,533	0.0003	0.9997	90.71
67.5	7,115,379	15,500	0.0022	0.9978	90.68
68.5	6,906,484	6,125	0.0009	0.9991	90.48
69.5	6,540,340	31,833	0.0049	0.9951	90.40
70.5	6,260,735	953	0.0002	0.9998	89.96
71.5	5,909,637	3,185	0.0005	0.9995	89.95
72.5	5,822,129	33,448	0.0057	0.9943	89.90
73.5	5,758,627	794	0.0001	0.9999	89.38
74.5	5,719,672	16,984	0.0030	0.9970	89.37
75.5	5,660,174	5,186	0.0009	0.9991	89.10
76.5	5,450,997	56,366	0.0103	0.9897	89.02
77.5	5,037,231	1,676	0.0003	0.9997	88.10
78.5	4,917,010	1,593	0.0003	0.9997	88.07

AMEREN MISSOURI

ACCOUNT 366 UNDERGROUND CONDUIT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2018			EXPERIENCE BAND 1922-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	4,697,571	6,979	0.0015	0.9985	88.04	
80.5	4,576,089	8,224	0.0018	0.9982	87.91	
81.5	4,302,837	15,524	0.0036	0.9964	87.76	
82.5	4,213,131	2,869	0.0007	0.9993	87.44	
83.5	4,183,317	3,936	0.0009	0.9991	87.38	
84.5	4,163,436	3,154	0.0008	0.9992	87.30	
85.5	4,127,012	6,938	0.0017	0.9983	87.23	
86.5	4,076,843	12,906	0.0032	0.9968	87.08	
87.5	3,865,295	1,551	0.0004	0.9996	86.81	
88.5	3,708,629	1,144	0.0003	0.9997	86.77	
89.5	3,139,457	1,235	0.0004	0.9996	86.75	
90.5	2,718,885	7,546	0.0028	0.9972	86.71	
91.5	2,575,508	2,920	0.0011	0.9989	86.47	
92.5	2,532,557	1,394	0.0006	0.9994	86.37	
93.5	2,488,754	2,202	0.0009	0.9991	86.33	
94.5	2,475,940	2,909	0.0012	0.9988	86.25	
95.5	2,465,896	586	0.0002	0.9998	86.15	
96.5	2,459,971	1,557	0.0006	0.9994	86.13	
97.5	2,449,208	1,218	0.0005	0.9995	86.07	
98.5	2,441,010	6,770	0.0028	0.9972	86.03	
99.5	2,432,553	1,323	0.0005	0.9995	85.79	
100.5	2,429,177	1,428	0.0006	0.9994	85.75	
101.5	2,307,774	3,175	0.0014	0.9986	85.70	
102.5	2,215,363	1,205	0.0005	0.9995	85.58	
103.5					85.53	

AMEREN MISSOURI

ACCOUNT 366 UNDERGROUND CONDUIT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1915-2018			EXPERIENCE BAND 1989-2018			
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	437,245,511	2,584	0.0000	1.0000	100.00	
0.5	411,999,902	45,628	0.0001	0.9999	100.00	
1.5	385,840,391	51,804	0.0001	0.9999	99.99	
2.5	352,544,886	107,900	0.0003	0.9997	99.97	
3.5	325,639,130	108,924	0.0003	0.9997	99.94	
4.5	291,236,638	51,520	0.0002	0.9998	99.91	
5.5	274,638,930	67,215	0.0002	0.9998	99.89	
6.5	257,548,502	174,148	0.0007	0.9993	99.87	
7.5	244,693,593	243,811	0.0010	0.9990	99.80	
8.5	233,185,916	303,689	0.0013	0.9987	99.70	
9.5	197,939,150	198,364	0.0010	0.9990	99.57	
10.5	161,995,214	192,478	0.0012	0.9988	99.47	
11.5	153,937,644	98,604	0.0006	0.9994	99.35	
12.5	143,625,029	66,166	0.0005	0.9995	99.29	
13.5	125,737,169	149,058	0.0012	0.9988	99.24	
14.5	117,485,066	126,232	0.0011	0.9989	99.13	
15.5	108,890,554	105,440	0.0010	0.9990	99.02	
16.5	104,306,836	88,490	0.0008	0.9992	98.92	
17.5	99,226,437	98,322	0.0010	0.9990	98.84	
18.5	93,922,015	126,694	0.0013	0.9987	98.74	
19.5	89,932,458	214,660	0.0024	0.9976	98.61	
20.5	84,916,685	309,763	0.0036	0.9964	98.37	
21.5	75,480,193	251,846	0.0033	0.9967	98.02	
22.5	71,249,323	117,205	0.0016	0.9984	97.69	
23.5	65,578,726	107,928	0.0016	0.9984	97.53	
24.5	63,145,594	131,721	0.0021	0.9979	97.37	
25.5	59,484,267	121,687	0.0020	0.9980	97.16	
26.5	54,367,625	183,587	0.0034	0.9966	96.97	
27.5	51,204,833	187,376	0.0037	0.9963	96.64	
28.5	47,621,383	145,410	0.0031	0.9969	96.28	
29.5	44,579,650	135,970	0.0031	0.9969	95.99	
30.5	39,619,073	146,933	0.0037	0.9963	95.70	
31.5	37,634,234	195,864	0.0052	0.9948	95.34	
32.5	33,412,904	31,671	0.0009	0.9991	94.85	
33.5	31,815,895	26,639	0.0008	0.9992	94.76	
34.5	28,134,274	33,393	0.0012	0.9988	94.68	
35.5	27,815,302	4,027	0.0001	0.9999	94.56	
36.5	27,165,929	7,392	0.0003	0.9997	94.55	
37.5	26,718,169	4,251	0.0002	0.9998	94.53	
38.5	26,271,158	2,594	0.0001	0.9999	94.51	

AMEREN MISSOURI

ACCOUNT 366 UNDERGROUND CONDUIT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1915-2018			EXPERIENCE BAND 1989-2018			
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	26,022,414	2,381	0.0001	0.9999	94.50	
40.5	25,695,103	3,931	0.0002	0.9998	94.49	
41.5	24,754,260	3,024	0.0001	0.9999	94.48	
42.5	24,261,658	3,410	0.0001	0.9999	94.47	
43.5	23,316,928	2,588	0.0001	0.9999	94.45	
44.5	21,256,765	2,537	0.0001	0.9999	94.44	
45.5	20,808,721	2,516	0.0001	0.9999	94.43	
46.5	19,990,291	2,771	0.0001	0.9999	94.42	
47.5	19,341,486	2,154	0.0001	0.9999	94.41	
48.5	18,110,110	2,623	0.0001	0.9999	94.40	
49.5	17,439,845	2,408	0.0001	0.9999	94.38	
50.5	15,498,641	2,354	0.0002	0.9998	94.37	
51.5	14,565,690	3,168	0.0002	0.9998	94.36	
52.5	13,646,420	6,858	0.0005	0.9995	94.33	
53.5	12,055,553	3,704	0.0003	0.9997	94.29	
54.5	10,661,379	3,913	0.0004	0.9996	94.26	
55.5	9,669,976	1,537	0.0002	0.9998	94.22	
56.5	8,747,921	2,858	0.0003	0.9997	94.21	
57.5	8,149,206	2,162	0.0003	0.9997	94.18	
58.5	7,451,361	1,996	0.0003	0.9997	94.15	
59.5	7,338,665	1,918	0.0003	0.9997	94.13	
60.5	7,015,999	2,583	0.0004	0.9996	94.10	
61.5	6,593,867	2,064	0.0003	0.9997	94.07	
62.5	5,875,780	1,950	0.0003	0.9997	94.04	
63.5	5,478,749	1,395	0.0003	0.9997	94.01	
64.5	5,225,355	3,061	0.0006	0.9994	93.98	
65.5	5,102,461	2,568	0.0005	0.9995	93.93	
66.5	4,869,618	1,713	0.0004	0.9996	93.88	
67.5	4,444,478	1,649	0.0004	0.9996	93.85	
68.5	4,256,524	2,201	0.0005	0.9995	93.81	
69.5	3,896,055	1,426	0.0004	0.9996	93.77	
70.5	3,649,087	953	0.0003	0.9997	93.73	
71.5	3,420,381	1,033	0.0003	0.9997	93.71	
72.5	3,454,856	1,873	0.0005	0.9995	93.68	
73.5	5,758,627	794	0.0001	0.9999	93.63	
74.5	5,719,672	16,984	0.0030	0.9970	93.61	
75.5	5,660,174	5,186	0.0009	0.9991	93.34	
76.5	5,450,997	56,366	0.0103	0.9897	93.25	
77.5	5,037,231	1,676	0.0003	0.9997	92.29	
78.5	4,917,010	1,593	0.0003	0.9997	92.26	

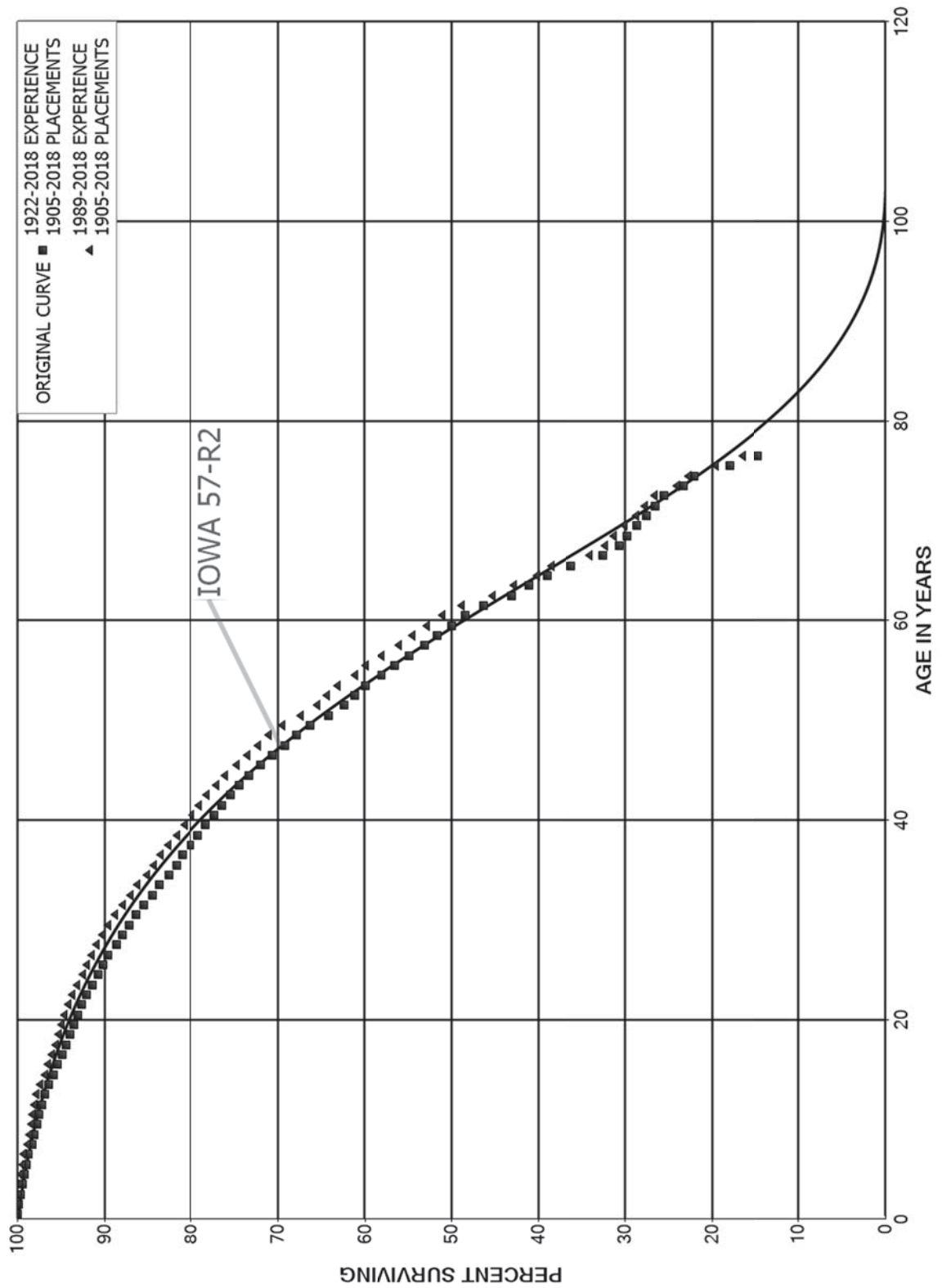
AMEREN MISSOURI

ACCOUNT 366 UNDERGROUND CONDUIT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1915-2018			EXPERIENCE BAND 1989-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	4,697,571	6,979	0.0015	0.9985	92.23	
80.5	4,576,089	8,224	0.0018	0.9982	92.09	
81.5	4,302,837	15,524	0.0036	0.9964	91.92	
82.5	4,213,131	2,869	0.0007	0.9993	91.59	
83.5	4,183,317	3,936	0.0009	0.9991	91.53	
84.5	4,163,436	3,154	0.0008	0.9992	91.44	
85.5	4,127,012	6,938	0.0017	0.9983	91.37	
86.5	4,076,843	12,906	0.0032	0.9968	91.22	
87.5	3,865,295	1,551	0.0004	0.9996	90.93	
88.5	3,708,629	1,144	0.0003	0.9997	90.90	
89.5	3,139,457	1,235	0.0004	0.9996	90.87	
90.5	2,718,885	7,546	0.0028	0.9972	90.83	
91.5	2,575,508	2,920	0.0011	0.9989	90.58	
92.5	2,532,557	1,394	0.0006	0.9994	90.48	
93.5	2,488,754	2,202	0.0009	0.9991	90.43	
94.5	2,475,940	2,909	0.0012	0.9988	90.35	
95.5	2,465,896	586	0.0002	0.9998	90.24	
96.5	2,459,971	1,557	0.0006	0.9994	90.22	
97.5	2,449,208	1,218	0.0005	0.9995	90.16	
98.5	2,441,010	6,770	0.0028	0.9972	90.12	
99.5	2,432,553	1,323	0.0005	0.9995	89.87	
100.5	2,429,177	1,428	0.0006	0.9994	89.82	
101.5	2,307,774	3,175	0.0014	0.9986	89.77	
102.5	2,215,363	1,205	0.0005	0.9995	89.64	
103.5					89.59	

AMEREN MISSOURI
 ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1905-2018

EXPERIENCE BAND 1922-2018

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	898,879,409	169,513	0.0002	0.9998	100.00
0.5	854,223,449	1,429,002	0.0017	0.9983	99.98
1.5	812,022,057	1,758,141	0.0022	0.9978	99.81
2.5	773,087,686	1,704,490	0.0022	0.9978	99.60
3.5	742,564,726	1,244,941	0.0017	0.9983	99.38
4.5	706,718,264	1,607,412	0.0023	0.9977	99.21
5.5	683,104,857	1,437,608	0.0021	0.9979	98.99
6.5	652,648,744	3,213,668	0.0049	0.9951	98.78
7.5	624,058,676	1,603,030	0.0026	0.9974	98.29
8.5	602,469,679	1,594,990	0.0026	0.9974	98.04
9.5	561,249,912	1,555,356	0.0028	0.9972	97.78
10.5	514,330,691	1,559,467	0.0030	0.9970	97.51
11.5	499,148,262	1,667,278	0.0033	0.9967	97.21
12.5	471,358,801	2,240,663	0.0048	0.9952	96.89
13.5	446,256,894	2,493,741	0.0056	0.9944	96.43
14.5	427,892,573	2,230,103	0.0052	0.9948	95.89
15.5	408,782,085	2,251,658	0.0055	0.9945	95.39
16.5	394,349,484	1,991,499	0.0051	0.9949	94.86
17.5	378,450,200	1,761,408	0.0047	0.9953	94.38
18.5	361,547,312	1,521,088	0.0042	0.9958	93.94
19.5	344,112,206	1,728,453	0.0050	0.9950	93.55
20.5	325,122,674	1,669,754	0.0051	0.9949	93.08
21.5	301,196,574	1,794,575	0.0060	0.9940	92.60
22.5	281,040,488	1,855,322	0.0066	0.9934	92.05
23.5	261,742,792	1,914,860	0.0073	0.9927	91.44
24.5	241,958,648	1,551,180	0.0064	0.9936	90.77
25.5	224,920,675	1,519,814	0.0068	0.9932	90.19
26.5	209,434,299	2,141,202	0.0102	0.9898	89.58
27.5	195,307,765	1,506,522	0.0077	0.9923	88.67
28.5	180,548,629	1,582,851	0.0088	0.9912	87.98
29.5	164,871,975	1,531,648	0.0093	0.9907	87.21
30.5	149,771,761	1,532,488	0.0102	0.9898	86.40
31.5	136,119,056	1,534,508	0.0113	0.9887	85.52
32.5	123,313,397	1,268,192	0.0103	0.9897	84.55
33.5	112,515,675	1,431,068	0.0127	0.9873	83.68
34.5	104,882,020	1,071,318	0.0102	0.9898	82.62
35.5	97,829,647	884,418	0.0090	0.9910	81.77
36.5	91,609,941	1,035,332	0.0113	0.9887	81.04
37.5	84,709,334	1,036,664	0.0122	0.9878	80.12
38.5	80,600,419	924,022	0.0115	0.9885	79.14

AMEREN MISSOURI

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2018			EXPERIENCE BAND 1922-2018		
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	71,689,809	870,961	0.0121	0.9879	78.23
40.5	63,357,091	737,621	0.0116	0.9884	77.28
41.5	56,356,854	715,848	0.0127	0.9873	76.38
42.5	53,256,219	745,403	0.0140	0.9860	75.41
43.5	44,250,999	631,599	0.0143	0.9857	74.36
44.5	40,432,742	714,238	0.0177	0.9823	73.29
45.5	36,039,010	676,573	0.0188	0.9812	72.00
46.5	32,113,730	676,901	0.0211	0.9789	70.65
47.5	28,800,179	546,158	0.0190	0.9810	69.16
48.5	26,413,557	627,564	0.0238	0.9762	67.85
49.5	24,405,990	759,536	0.0311	0.9689	66.24
50.5	21,569,490	601,088	0.0279	0.9721	64.17
51.5	19,711,267	382,977	0.0194	0.9806	62.39
52.5	18,166,512	375,001	0.0206	0.9794	61.17
53.5	16,498,956	521,304	0.0316	0.9684	59.91
54.5	14,795,048	373,365	0.0252	0.9748	58.02
55.5	13,489,858	403,495	0.0299	0.9701	56.55
56.5	12,341,797	400,331	0.0324	0.9676	54.86
57.5	11,212,773	317,441	0.0283	0.9717	53.08
58.5	10,110,868	325,381	0.0322	0.9678	51.58
59.5	9,217,913	290,888	0.0316	0.9684	49.92
60.5	8,319,298	356,865	0.0429	0.9571	48.34
61.5	7,111,905	484,828	0.0682	0.9318	46.27
62.5	5,650,264	265,936	0.0471	0.9529	43.12
63.5	4,968,183	259,266	0.0522	0.9478	41.09
64.5	4,529,325	319,951	0.0706	0.9294	38.94
65.5	3,916,846	401,119	0.1024	0.8976	36.19
66.5	3,495,897	197,129	0.0564	0.9436	32.49
67.5	3,108,800	96,985	0.0312	0.9688	30.65
68.5	2,747,610	97,710	0.0356	0.9644	29.70
69.5	2,531,935	99,180	0.0392	0.9608	28.64
70.5	2,287,022	86,413	0.0378	0.9622	27.52
71.5	1,936,185	72,246	0.0373	0.9627	26.48
72.5	1,802,060	159,605	0.0886	0.9114	25.49
73.5	1,710,207	89,724	0.0525	0.9475	23.23
74.5	1,569,525	292,696	0.1865	0.8135	22.02
75.5	1,348,657	245,157	0.1818	0.8182	17.91
76.5	1,092,930	25,545	0.0234	0.9766	14.65
77.5	973,019	45,596	0.0469	0.9531	14.31
78.5	788,428	23,440	0.0297	0.9703	13.64

AMEREN MISSOURI

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2018			EXPERIENCE BAND 1922-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	672,471	34,950	0.0520	0.9480	13.24	
80.5	608,957	26,733	0.0439	0.9561	12.55	
81.5	501,011	24,202	0.0483	0.9517	12.00	
82.5	461,181	25,858	0.0561	0.9439	11.42	
83.5	426,750	29,435	0.0690	0.9310	10.78	
84.5	391,538	6,845	0.0175	0.9825	10.03	
85.5	366,041	12,346	0.0337	0.9663	9.86	
86.5	327,041	1,906	0.0058	0.9942	9.53	
87.5	303,149	1,446	0.0048	0.9952	9.47	
88.5	193,024	2,865	0.0148	0.9852	9.42	
89.5	170,172	2,564	0.0151	0.9849	9.29	
90.5	145,896	1,393	0.0095	0.9905	9.15	
91.5	129,443	1,220	0.0094	0.9906	9.06	
92.5	114,257	1,685	0.0147	0.9853	8.97	
93.5	86,041	1,198	0.0139	0.9861	8.84	
94.5	78,033	766	0.0098	0.9902	8.72	
95.5	72,642	564	0.0078	0.9922	8.63	
96.5	71,213	1,270	0.0178	0.9822	8.56	
97.5	69,247	269	0.0039	0.9961	8.41	
98.5	64,610	658	0.0102	0.9898	8.38	
99.5	62,693		0.0000	1.0000	8.29	
100.5	62,408	314	0.0050	0.9950	8.29	
101.5	23,739		0.0000	1.0000	8.25	
102.5	23,739		0.0000	1.0000	8.25	
103.5					8.25	

AMEREN MISSOURI

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1905-2018

EXPERIENCE BAND 1989-2018

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	710,108,742	53,297	0.0001	0.9999	100.00
0.5	680,299,144	873,514	0.0013	0.9987	99.99
1.5	651,539,305	849,493	0.0013	0.9987	99.86
2.5	625,911,011	887,530	0.0014	0.9986	99.73
3.5	606,867,335	734,089	0.0012	0.9988	99.59
4.5	578,210,458	910,147	0.0016	0.9984	99.47
5.5	561,722,998	872,623	0.0016	0.9984	99.32
6.5	536,839,291	2,409,630	0.0045	0.9955	99.16
7.5	515,787,700	1,052,994	0.0020	0.9980	98.72
8.5	498,511,626	972,448	0.0020	0.9980	98.51
9.5	467,080,321	899,699	0.0019	0.9981	98.32
10.5	429,451,993	968,460	0.0023	0.9977	98.13
11.5	422,303,900	1,008,968	0.0024	0.9976	97.91
12.5	398,374,029	1,659,567	0.0042	0.9958	97.68
13.5	384,031,072	1,942,046	0.0051	0.9949	97.27
14.5	370,654,143	1,619,936	0.0044	0.9956	96.78
15.5	356,719,702	1,621,432	0.0045	0.9955	96.36
16.5	346,322,013	1,457,542	0.0042	0.9958	95.92
17.5	334,721,833	1,254,403	0.0037	0.9963	95.51
18.5	321,539,907	1,000,408	0.0031	0.9969	95.16
19.5	307,122,248	1,174,152	0.0038	0.9962	94.86
20.5	291,811,986	1,248,759	0.0043	0.9957	94.50
21.5	270,255,784	1,417,054	0.0052	0.9948	94.09
22.5	252,162,070	1,479,733	0.0059	0.9941	93.60
23.5	234,979,937	1,644,114	0.0070	0.9930	93.05
24.5	217,051,898	1,158,544	0.0053	0.9947	92.40
25.5	201,735,655	1,075,996	0.0053	0.9947	91.91
26.5	187,817,367	1,302,196	0.0069	0.9931	91.42
27.5	175,666,685	1,229,540	0.0070	0.9930	90.78
28.5	162,327,055	1,241,173	0.0076	0.9924	90.15
29.5	147,863,931	1,244,275	0.0084	0.9916	89.46
30.5	134,059,217	1,302,101	0.0097	0.9903	88.70
31.5	121,934,551	1,179,519	0.0097	0.9903	87.84
32.5	111,176,919	1,067,482	0.0096	0.9904	86.99
33.5	101,364,390	1,288,627	0.0127	0.9873	86.16
34.5	94,397,839	918,590	0.0097	0.9903	85.06
35.5	88,033,964	773,428	0.0088	0.9912	84.24
36.5	82,394,491	905,413	0.0110	0.9890	83.50
37.5	76,025,788	883,971	0.0116	0.9884	82.58
38.5	72,748,311	800,253	0.0110	0.9890	81.62

AMEREN MISSOURI

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2018			EXPERIENCE BAND 1989-2018		
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	64,493,322	722,232	0.0112	0.9888	80.72
40.5	56,872,732	625,663	0.0110	0.9890	79.82
41.5	50,656,057	578,232	0.0114	0.9886	78.94
42.5	47,809,823	638,387	0.0134	0.9866	78.04
43.5	38,952,287	522,893	0.0134	0.9866	76.99
44.5	35,354,124	612,214	0.0173	0.9827	75.96
45.5	31,117,821	527,535	0.0170	0.9830	74.65
46.5	27,613,079	436,537	0.0158	0.9842	73.38
47.5	24,903,193	441,709	0.0177	0.9823	72.22
48.5	22,858,119	502,177	0.0220	0.9780	70.94
49.5	21,172,042	650,244	0.0307	0.9693	69.38
50.5	18,531,099	509,806	0.0275	0.9725	67.25
51.5	17,057,804	299,625	0.0176	0.9824	65.40
52.5	15,671,440	284,141	0.0181	0.9819	64.25
53.5	14,145,364	448,641	0.0317	0.9683	63.09
54.5	12,546,726	253,972	0.0202	0.9798	61.09
55.5	11,394,096	361,406	0.0317	0.9683	59.85
56.5	10,365,503	349,933	0.0338	0.9662	57.95
57.5	9,474,931	276,131	0.0291	0.9709	55.99
58.5	8,656,058	262,072	0.0303	0.9697	54.36
59.5	7,930,570	258,147	0.0326	0.9674	52.72
60.5	7,148,965	311,291	0.0435	0.9565	51.00
61.5	6,053,650	452,941	0.0748	0.9252	48.78
62.5	4,702,187	249,557	0.0531	0.9469	45.13
63.5	4,154,085	257,768	0.0621	0.9379	42.73
64.5	3,772,052	157,277	0.0417	0.9583	40.08
65.5	3,368,473	388,803	0.1154	0.8846	38.41
66.5	2,982,181	160,576	0.0538	0.9462	33.98
67.5	2,649,604	81,177	0.0306	0.9694	32.15
68.5	2,320,896	89,644	0.0386	0.9614	31.16
69.5	2,142,212	92,530	0.0432	0.9568	29.96
70.5	1,910,078	69,996	0.0366	0.9634	28.67
71.5	1,671,707	64,903	0.0388	0.9612	27.62
72.5	1,547,708	154,323	0.0997	0.9003	26.54
73.5	1,554,635	85,763	0.0552	0.9448	23.90
74.5	1,417,914	192,491	0.1358	0.8642	22.58
75.5	1,297,251	205,140	0.1581	0.8419	19.51
76.5	1,081,541	25,545	0.0236	0.9764	16.43
77.5	961,630	44,121	0.0459	0.9541	16.04
78.5	778,514	23,440	0.0301	0.9699	15.30

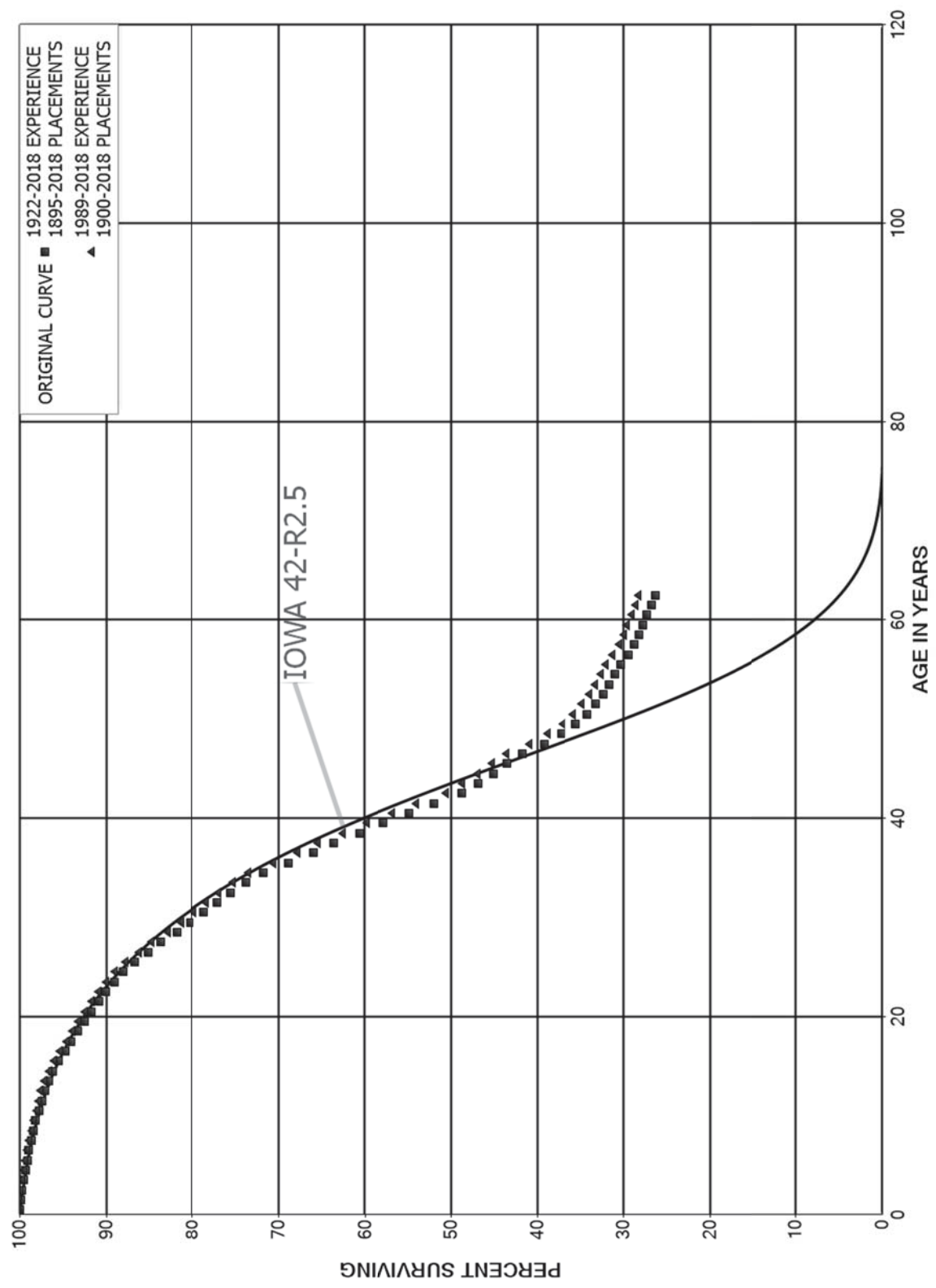
AMEREN MISSOURI

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2018			EXPERIENCE BAND 1989-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	662,557	27,404	0.0414	0.9586	14.84
80.5	606,589	24,977	0.0412	0.9588	14.23
81.5	500,399	24,202	0.0484	0.9516	13.64
82.5	460,569	25,858	0.0561	0.9439	12.98
83.5	426,750	29,435	0.0690	0.9310	12.25
84.5	391,538	6,845	0.0175	0.9825	11.41
85.5	366,041	12,346	0.0337	0.9663	11.21
86.5	327,041	1,906	0.0058	0.9942	10.83
87.5	303,149	1,446	0.0048	0.9952	10.77
88.5	193,024	2,865	0.0148	0.9852	10.72
89.5	170,172	2,564	0.0151	0.9849	10.56
90.5	145,896	1,393	0.0095	0.9905	10.40
91.5	129,443	1,220	0.0094	0.9906	10.30
92.5	114,257	1,685	0.0147	0.9853	10.20
93.5	86,041	1,198	0.0139	0.9861	10.05
94.5	78,033	766	0.0098	0.9902	9.91
95.5	72,642	564	0.0078	0.9922	9.81
96.5	71,213	1,270	0.0178	0.9822	9.74
97.5	69,247	269	0.0039	0.9961	9.56
98.5	64,610	658	0.0102	0.9898	9.53
99.5	62,693		0.0000	1.0000	9.43
100.5	62,408	314	0.0050	0.9950	9.43
101.5	23,739		0.0000	1.0000	9.38
102.5	23,739		0.0000	1.0000	9.38
103.5					9.38

AMEREN MISSOURI
 ACCOUNT 368 LINE TRANSFORMERS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 368 LINE TRANSFORMERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1895-2018

EXPERIENCE BAND 1922-2018

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	629,882,545	216,229	0.0003	0.9997	100.00
0.5	605,433,955	527,507	0.0009	0.9991	99.97
1.5	588,344,351	900,014	0.0015	0.9985	99.88
2.5	573,006,904	1,207,288	0.0021	0.9979	99.73
3.5	554,382,171	1,153,151	0.0021	0.9979	99.52
4.5	537,322,533	1,021,324	0.0019	0.9981	99.31
5.5	519,310,452	1,022,399	0.0020	0.9980	99.12
6.5	503,193,382	1,480,514	0.0029	0.9971	98.92
7.5	486,953,871	1,328,959	0.0027	0.9973	98.63
8.5	475,755,642	1,154,605	0.0024	0.9976	98.36
9.5	460,165,294	1,687,956	0.0037	0.9963	98.13
10.5	434,631,940	1,411,309	0.0032	0.9968	97.77
11.5	413,274,822	1,457,298	0.0035	0.9965	97.45
12.5	395,700,715	1,875,387	0.0047	0.9953	97.10
13.5	380,253,877	2,058,584	0.0054	0.9946	96.64
14.5	367,068,950	2,466,967	0.0067	0.9933	96.12
15.5	352,791,268	2,578,211	0.0073	0.9927	95.48
16.5	341,471,602	2,684,274	0.0079	0.9921	94.78
17.5	325,886,838	2,658,126	0.0082	0.9918	94.03
18.5	311,305,138	2,593,225	0.0083	0.9917	93.27
19.5	298,870,325	2,538,351	0.0085	0.9915	92.49
20.5	286,323,627	2,564,182	0.0090	0.9910	91.70
21.5	269,066,312	2,478,230	0.0092	0.9908	90.88
22.5	253,359,712	2,789,399	0.0110	0.9890	90.04
23.5	239,922,777	2,798,467	0.0117	0.9883	89.05
24.5	227,430,073	3,297,137	0.0145	0.9855	88.01
25.5	215,076,738	3,789,759	0.0176	0.9824	86.74
26.5	203,037,629	3,620,460	0.0178	0.9822	85.21
27.5	191,715,585	4,161,340	0.0217	0.9783	83.69
28.5	179,875,634	3,576,709	0.0199	0.9801	81.87
29.5	168,880,318	3,379,584	0.0200	0.9800	80.25
30.5	158,775,880	3,138,063	0.0198	0.9802	78.64
31.5	148,534,633	3,043,767	0.0205	0.9795	77.09
32.5	137,619,781	3,318,392	0.0241	0.9759	75.51
33.5	127,214,762	3,319,174	0.0261	0.9739	73.69
34.5	114,731,737	4,761,300	0.0415	0.9585	71.76
35.5	106,334,621	4,369,342	0.0411	0.9589	68.79
36.5	97,662,269	3,550,787	0.0364	0.9636	65.96
37.5	90,116,850	4,120,547	0.0457	0.9543	63.56
38.5	82,151,118	3,830,592	0.0466	0.9534	60.65

AMEREN MISSOURI

ACCOUNT 368 LINE TRANSFORMERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1895-2018			EXPERIENCE BAND 1922-2018		
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	73,322,161	3,793,652	0.0517	0.9483	57.83
40.5	64,534,471	3,351,611	0.0519	0.9481	54.83
41.5	57,185,269	3,597,256	0.0629	0.9371	51.99
42.5	50,652,810	1,949,788	0.0385	0.9615	48.72
43.5	46,807,337	1,721,770	0.0368	0.9632	46.84
44.5	41,808,979	1,479,628	0.0354	0.9646	45.12
45.5	37,471,961	1,507,267	0.0402	0.9598	43.52
46.5	33,533,250	2,076,024	0.0619	0.9381	41.77
47.5	28,810,975	1,452,614	0.0504	0.9496	39.18
48.5	25,240,294	1,151,994	0.0456	0.9544	37.21
49.5	22,051,415	802,013	0.0364	0.9636	35.51
50.5	19,251,792	574,274	0.0298	0.9702	34.22
51.5	16,039,135	420,950	0.0262	0.9738	33.20
52.5	13,849,845	299,797	0.0216	0.9784	32.33
53.5	12,627,886	265,235	0.0210	0.9790	31.63
54.5	11,248,251	246,464	0.0219	0.9781	30.96
55.5	10,303,086	291,692	0.0283	0.9717	30.28
56.5	9,437,422	233,650	0.0248	0.9752	29.43
57.5	8,777,317	165,775	0.0189	0.9811	28.70
58.5	7,966,492	121,529	0.0153	0.9847	28.16
59.5	7,369,736	131,997	0.0179	0.9821	27.73
60.5	6,791,373	125,089	0.0184	0.9816	27.23
61.5	5,855,723	90,934	0.0155	0.9845	26.73
62.5	4,565,384	49,039	0.0107	0.9893	26.31
63.5	3,117,203	28,219	0.0091	0.9909	26.03
64.5	2,648,997	30,609	0.0116	0.9884	25.80
65.5	2,315,982	41,846	0.0181	0.9819	25.50
66.5	2,167,735	44,352	0.0205	0.9795	25.04
67.5	2,082,890	26,948	0.0129	0.9871	24.52
68.5	2,023,298	67,522	0.0334	0.9666	24.21
69.5	1,937,890	31,837	0.0164	0.9836	23.40
70.5	1,594,088	26,393	0.0166	0.9834	23.02
71.5	1,476,965	28,367	0.0192	0.9808	22.63
72.5	1,412,347	14,732	0.0104	0.9896	22.20
73.5	1,385,505	11,282	0.0081	0.9919	21.97
74.5	1,363,899	8,544	0.0063	0.9937	21.79
75.5	1,355,359	9,815	0.0072	0.9928	21.65
76.5	1,332,256	10,460	0.0079	0.9921	21.50
77.5	1,306,235	18,275	0.0140	0.9860	21.33
78.5	685,523	25,039	0.0365	0.9635	21.03

AMEREN MISSOURI

ACCOUNT 368 LINE TRANSFORMERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1895-2018			EXPERIENCE BAND 1922-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	234,373	3,981	0.0170	0.9830	20.26	
80.5	218,580	5,428	0.0248	0.9752	19.92	
81.5	186,010	3,893	0.0209	0.9791	19.42	
82.5	168,855	5,515	0.0327	0.9673	19.02	
83.5	169,163	4,277	0.0253	0.9747	18.39	
84.5	161,540	849	0.0053	0.9947	17.93	
85.5	156,516	141	0.0009	0.9991	17.83	
86.5	148,782	868	0.0058	0.9942	17.82	
87.5	145,512		0.0000	1.0000	17.71	
88.5	141,136		0.0000	1.0000	17.71	
89.5	124,856	1,051	0.0084	0.9916	17.71	
90.5	97,147	187	0.0019	0.9981	17.57	
91.5	91,634		0.0000	1.0000	17.53	
92.5	82,659	1,151	0.0139	0.9861	17.53	
93.5	55,305	401	0.0072	0.9928	17.29	
94.5	54,277	291	0.0054	0.9946	17.16	
95.5	72,825	24,602	0.3378	0.6622	17.07	
96.5	47,138		0.0000	1.0000	11.30	
97.5	45,784	92	0.0020	0.9980	11.30	
98.5	36,731		0.0000	1.0000	11.28	
99.5	31,921		0.0000	1.0000	11.28	
100.5	24,547	64	0.0026	0.9974	11.28	
101.5	24,176	211	0.0087	0.9913	11.25	
102.5	21,140		0.0000	1.0000	11.15	
103.5	19,398		0.0000	1.0000	11.15	
104.5	16,733		0.0000	1.0000	11.15	
105.5	9,924		0.0000	1.0000	11.15	
106.5	8,173		0.0000	1.0000	11.15	
107.5	7,678		0.0000	1.0000	11.15	
108.5	7,407		0.0000	1.0000	11.15	
109.5	4,749		0.0000	1.0000	11.15	
110.5	4,428		0.0000	1.0000	11.15	
111.5	4,086		0.0000	1.0000	11.15	
112.5	2,797		0.0000	1.0000	11.15	
113.5	1,890		0.0000	1.0000	11.15	
114.5	1,239		0.0000	1.0000	11.15	
115.5	699		0.0000	1.0000	11.15	
116.5	395		0.0000	1.0000	11.15	
117.5	215		0.0000	1.0000	11.15	
118.5					11.15	

AMEREN MISSOURI

ACCOUNT 368 LINE TRANSFORMERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1900-2018

EXPERIENCE BAND 1989-2018

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	418,343,732	26,122	0.0001	0.9999	100.00
0.5	402,606,639	194,478	0.0005	0.9995	99.99
1.5	395,133,530	449,878	0.0011	0.9989	99.95
2.5	391,511,669	810,083	0.0021	0.9979	99.83
3.5	383,220,618	790,402	0.0021	0.9979	99.63
4.5	378,775,330	663,755	0.0018	0.9982	99.42
5.5	366,045,301	589,383	0.0016	0.9984	99.25
6.5	356,005,215	1,078,745	0.0030	0.9970	99.09
7.5	345,767,141	879,337	0.0025	0.9975	98.79
8.5	340,282,553	682,421	0.0020	0.9980	98.53
9.5	334,240,207	1,121,058	0.0034	0.9966	98.34
10.5	318,426,534	889,642	0.0028	0.9972	98.01
11.5	304,479,471	814,944	0.0027	0.9973	97.73
12.5	293,556,198	1,293,979	0.0044	0.9956	97.47
13.5	282,190,063	1,402,731	0.0050	0.9950	97.04
14.5	276,094,344	1,724,576	0.0062	0.9938	96.56
15.5	268,375,388	1,937,599	0.0072	0.9928	95.96
16.5	262,351,806	1,959,740	0.0075	0.9925	95.26
17.5	252,663,308	1,872,454	0.0074	0.9926	94.55
18.5	244,020,767	1,885,799	0.0077	0.9923	93.85
19.5	237,207,647	1,818,896	0.0077	0.9923	93.13
20.5	229,670,960	1,887,218	0.0082	0.9918	92.41
21.5	217,733,564	1,820,597	0.0084	0.9916	91.65
22.5	206,907,909	2,108,086	0.0102	0.9898	90.89
23.5	196,972,979	2,189,609	0.0111	0.9889	89.96
24.5	187,959,766	2,496,557	0.0133	0.9867	88.96
25.5	178,617,319	3,168,937	0.0177	0.9823	87.78
26.5	169,395,292	2,955,887	0.0174	0.9826	86.22
27.5	160,728,428	3,514,364	0.0219	0.9781	84.72
28.5	151,927,951	2,865,639	0.0189	0.9811	82.86
29.5	143,656,366	2,699,453	0.0188	0.9812	81.30
30.5	135,528,809	2,481,236	0.0183	0.9817	79.77
31.5	128,603,106	2,370,642	0.0184	0.9816	78.31
32.5	121,466,407	2,620,700	0.0216	0.9784	76.87
33.5	115,394,635	2,754,848	0.0239	0.9761	75.21
34.5	104,992,992	4,142,669	0.0395	0.9605	73.42
35.5	97,930,138	3,852,965	0.0393	0.9607	70.52
36.5	90,300,823	3,070,785	0.0340	0.9660	67.74
37.5	83,637,008	3,737,318	0.0447	0.9553	65.44
38.5	76,238,248	3,430,878	0.0450	0.9550	62.52

AMEREN MISSOURI

ACCOUNT 368 LINE TRANSFORMERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2018			EXPERIENCE BAND 1989-2018		
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	68,020,458	3,343,393	0.0492	0.9508	59.70
40.5	60,150,961	3,030,805	0.0504	0.9496	56.77
41.5	53,367,866	3,402,783	0.0638	0.9362	53.91
42.5	47,165,982	1,783,520	0.0378	0.9622	50.47
43.5	43,544,749	1,556,803	0.0358	0.9642	48.56
44.5	38,737,721	1,323,619	0.0342	0.9658	46.83
45.5	34,566,088	1,291,788	0.0374	0.9626	45.23
46.5	30,861,054	1,907,158	0.0618	0.9382	43.54
47.5	26,373,940	1,357,389	0.0515	0.9485	40.85
48.5	23,669,696	1,068,949	0.0452	0.9548	38.74
49.5	21,082,985	745,746	0.0354	0.9646	36.99
50.5	18,371,900	516,377	0.0281	0.9719	35.69
51.5	15,294,628	381,124	0.0249	0.9751	34.68
52.5	13,179,263	260,828	0.0198	0.9802	33.82
53.5	12,002,972	221,453	0.0184	0.9816	33.15
54.5	10,682,488	200,872	0.0188	0.9812	32.54
55.5	9,791,770	245,631	0.0251	0.9749	31.93
56.5	8,983,421	210,283	0.0234	0.9766	31.12
57.5	8,352,664	146,400	0.0175	0.9825	30.40
58.5	7,583,224	96,886	0.0128	0.9872	29.86
59.5	7,046,144	114,459	0.0162	0.9838	29.48
60.5	6,528,024	106,477	0.0163	0.9837	29.00
61.5	5,625,019	76,823	0.0137	0.9863	28.53
62.5	4,368,243	40,484	0.0093	0.9907	28.14
63.5	2,962,919	17,383	0.0059	0.9941	27.88
64.5	2,510,295	22,984	0.0092	0.9908	27.72
65.5	2,192,852	37,350	0.0170	0.9830	27.46
66.5	2,052,858	40,331	0.0196	0.9804	26.99
67.5	1,975,431	22,569	0.0114	0.9886	26.46
68.5	1,937,997	62,040	0.0320	0.9680	26.16
69.5	1,865,542	28,120	0.0151	0.9849	25.32
70.5	1,536,290	24,442	0.0159	0.9841	24.94
71.5	1,422,890	24,257	0.0170	0.9830	24.55
72.5	1,371,373	13,232	0.0096	0.9904	24.13
73.5	1,349,893	9,631	0.0071	0.9929	23.89
74.5	1,334,996	7,346	0.0055	0.9945	23.72
75.5	1,339,940	8,403	0.0063	0.9937	23.59
76.5	1,320,403	10,051	0.0076	0.9924	23.45
77.5	1,295,723	17,961	0.0139	0.9861	23.27
78.5	675,595	24,794	0.0367	0.9633	22.94

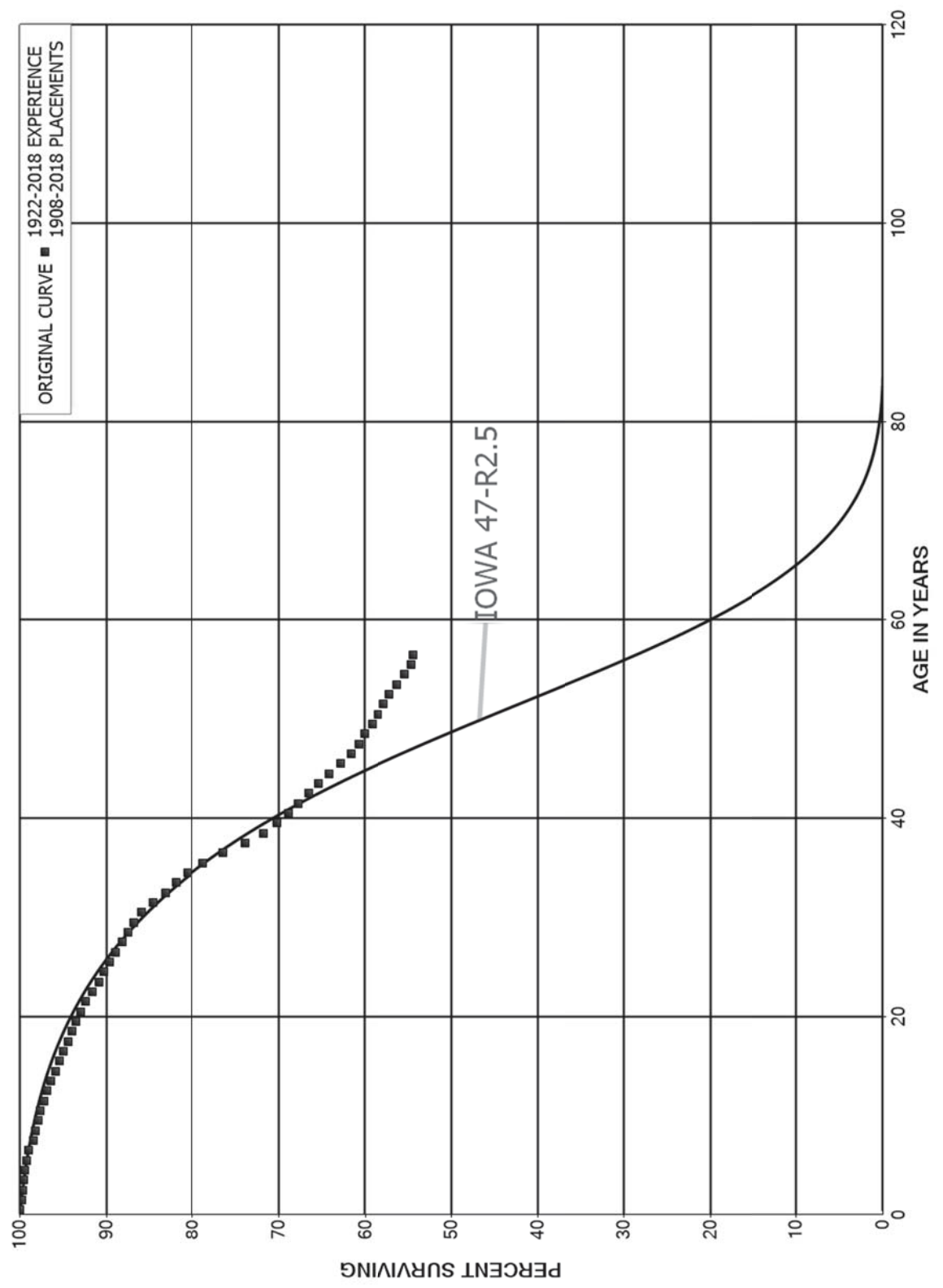
AMEREN MISSOURI

ACCOUNT 368 LINE TRANSFORMERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2018			EXPERIENCE BAND 1989-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	227,870	3,916	0.0172	0.9828	22.10	
80.5	212,463	5,428	0.0255	0.9745	21.72	
81.5	180,235	3,385	0.0188	0.9812	21.17	
82.5	165,302	5,260	0.0318	0.9682	20.77	
83.5	166,772	4,213	0.0253	0.9747	20.11	
84.5	159,864	849	0.0053	0.9947	19.60	
85.5	155,567	141	0.0009	0.9991	19.50	
86.5	148,136	868	0.0059	0.9941	19.48	
87.5	145,109		0.0000	1.0000	19.36	
88.5	141,136		0.0000	1.0000	19.36	
89.5	124,856	1,051	0.0084	0.9916	19.36	
90.5	97,147	187	0.0019	0.9981	19.20	
91.5	91,634		0.0000	1.0000	19.16	
92.5	82,659	1,151	0.0139	0.9861	19.16	
93.5	55,305	401	0.0072	0.9928	18.90	
94.5	54,277	291	0.0054	0.9946	18.76	
95.5	72,825	24,602	0.3378	0.6622	18.66	
96.5	47,138		0.0000	1.0000	12.36	
97.5	45,784	92	0.0020	0.9980	12.36	
98.5	36,731		0.0000	1.0000	12.33	
99.5	31,921		0.0000	1.0000	12.33	
100.5	24,547	64	0.0026	0.9974	12.33	
101.5	24,176	211	0.0087	0.9913	12.30	
102.5	21,140		0.0000	1.0000	12.19	
103.5	19,398		0.0000	1.0000	12.19	
104.5	16,733		0.0000	1.0000	12.19	
105.5	9,924		0.0000	1.0000	12.19	
106.5	8,173		0.0000	1.0000	12.19	
107.5	7,678		0.0000	1.0000	12.19	
108.5	7,407		0.0000	1.0000	12.19	
109.5	4,749		0.0000	1.0000	12.19	
110.5	4,428		0.0000	1.0000	12.19	
111.5	4,086		0.0000	1.0000	12.19	
112.5	2,797		0.0000	1.0000	12.19	
113.5	1,890		0.0000	1.0000	12.19	
114.5	1,239		0.0000	1.0000	12.19	
115.5	699		0.0000	1.0000	12.19	
116.5	395		0.0000	1.0000	12.19	
117.5	215		0.0000	1.0000	12.19	
118.5					12.19	

AMEREN MISSOURI
 ACCOUNT 369.1 OVERHEAD SERVICES
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 369.1 OVERHEAD SERVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1908-2018

EXPERIENCE BAND 1922-2018

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	228,173,935	213,445	0.0009	0.9991	100.00
0.5	222,849,406	283,003	0.0013	0.9987	99.91
1.5	217,938,208	272,769	0.0013	0.9987	99.78
2.5	211,860,711	248,834	0.0012	0.9988	99.65
3.5	207,214,712	335,416	0.0016	0.9984	99.54
4.5	203,167,035	320,291	0.0016	0.9984	99.38
5.5	196,203,140	518,874	0.0026	0.9974	99.22
6.5	193,331,585	1,001,069	0.0052	0.9948	98.96
7.5	184,883,198	568,633	0.0031	0.9969	98.45
8.5	180,446,427	475,829	0.0026	0.9974	98.14
9.5	173,083,932	484,095	0.0028	0.9972	97.88
10.5	164,103,931	692,256	0.0042	0.9958	97.61
11.5	155,502,516	552,771	0.0036	0.9964	97.20
12.5	141,537,343	694,486	0.0049	0.9951	96.85
13.5	136,687,154	712,430	0.0052	0.9948	96.38
14.5	132,131,660	638,791	0.0048	0.9952	95.87
15.5	127,459,837	598,049	0.0047	0.9953	95.41
16.5	123,903,788	690,289	0.0056	0.9944	94.96
17.5	119,538,992	583,903	0.0049	0.9951	94.43
18.5	115,719,166	631,010	0.0055	0.9945	93.97
19.5	111,575,841	639,937	0.0057	0.9943	93.46
20.5	107,043,237	661,355	0.0062	0.9938	92.92
21.5	101,178,202	766,986	0.0076	0.9924	92.35
22.5	96,083,097	810,163	0.0084	0.9916	91.65
23.5	90,485,963	603,849	0.0067	0.9933	90.88
24.5	88,753,052	601,666	0.0068	0.9932	90.27
25.5	83,627,488	628,634	0.0075	0.9925	89.66
26.5	79,531,608	680,572	0.0086	0.9914	88.99
27.5	75,000,644	633,580	0.0084	0.9916	88.22
28.5	70,278,438	540,193	0.0077	0.9923	87.48
29.5	65,702,205	619,234	0.0094	0.9906	86.81
30.5	61,102,100	989,067	0.0162	0.9838	85.99
31.5	56,146,771	926,189	0.0165	0.9835	84.60
32.5	51,668,323	785,233	0.0152	0.9848	83.20
33.5	46,893,320	772,591	0.0165	0.9835	81.94
34.5	42,744,070	998,075	0.0234	0.9766	80.59
35.5	38,853,938	1,115,857	0.0287	0.9713	78.70
36.5	35,006,212	1,211,011	0.0346	0.9654	76.44
37.5	31,109,227	889,601	0.0286	0.9714	73.80
38.5	27,567,821	576,753	0.0209	0.9791	71.69

AMEREN MISSOURI

ACCOUNT 369.1 OVERHEAD SERVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1922-2018		
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	24,732,648	463,347	0.0187	0.9813	70.19
40.5	22,169,745	381,535	0.0172	0.9828	68.87
41.5	20,034,670	335,308	0.0167	0.9833	67.69
42.5	17,738,680	309,890	0.0175	0.9825	66.56
43.5	15,508,831	283,350	0.0183	0.9817	65.39
44.5	13,659,882	283,131	0.0207	0.9793	64.20
45.5	11,607,311	233,763	0.0201	0.9799	62.87
46.5	9,930,061	140,664	0.0142	0.9858	61.60
47.5	8,280,033	93,708	0.0113	0.9887	60.73
48.5	7,254,865	105,328	0.0145	0.9855	60.04
49.5	6,236,050	74,284	0.0119	0.9881	59.17
50.5	5,236,051	60,370	0.0115	0.9885	58.47
51.5	4,405,992	45,133	0.0102	0.9898	57.79
52.5	3,498,510	57,169	0.0163	0.9837	57.20
53.5	2,881,420	44,162	0.0153	0.9847	56.26
54.5	2,781,456	37,029	0.0133	0.9867	55.40
55.5	2,698,984	13,628	0.0050	0.9950	54.67
56.5	2,608,388	3,633	0.0014	0.9986	54.39
57.5	2,539,639	2,251	0.0009	0.9991	54.31
58.5	2,393,845	1,362	0.0006	0.9994	54.27
59.5	2,326,373	1,486	0.0006	0.9994	54.23
60.5	2,244,178	1,443	0.0006	0.9994	54.20
61.5	2,191,968	1,339	0.0006	0.9994	54.16
62.5	2,123,375	1,294	0.0006	0.9994	54.13
63.5	2,047,139	1,205	0.0006	0.9994	54.10
64.5	1,820,821	708	0.0004	0.9996	54.07
65.5	1,617,780	933	0.0006	0.9994	54.05
66.5	1,394,237	38	0.0000	1.0000	54.01
67.5	1,251,023	45	0.0000	1.0000	54.01
68.5	1,148,264	54	0.0000	1.0000	54.01
69.5	1,052,520	412	0.0004	0.9996	54.01
70.5	950,891	45	0.0000	1.0000	53.99
71.5	843,727	61	0.0001	0.9999	53.99
72.5	800,699	74	0.0001	0.9999	53.98
73.5	757,841	47	0.0001	0.9999	53.98
74.5	705,141	147	0.0002	0.9998	53.97
75.5	628,327	339	0.0005	0.9995	53.96
76.5	549,959	118	0.0002	0.9998	53.93
77.5	430,469	102	0.0002	0.9998	53.92
78.5	320,470	117	0.0004	0.9996	53.91

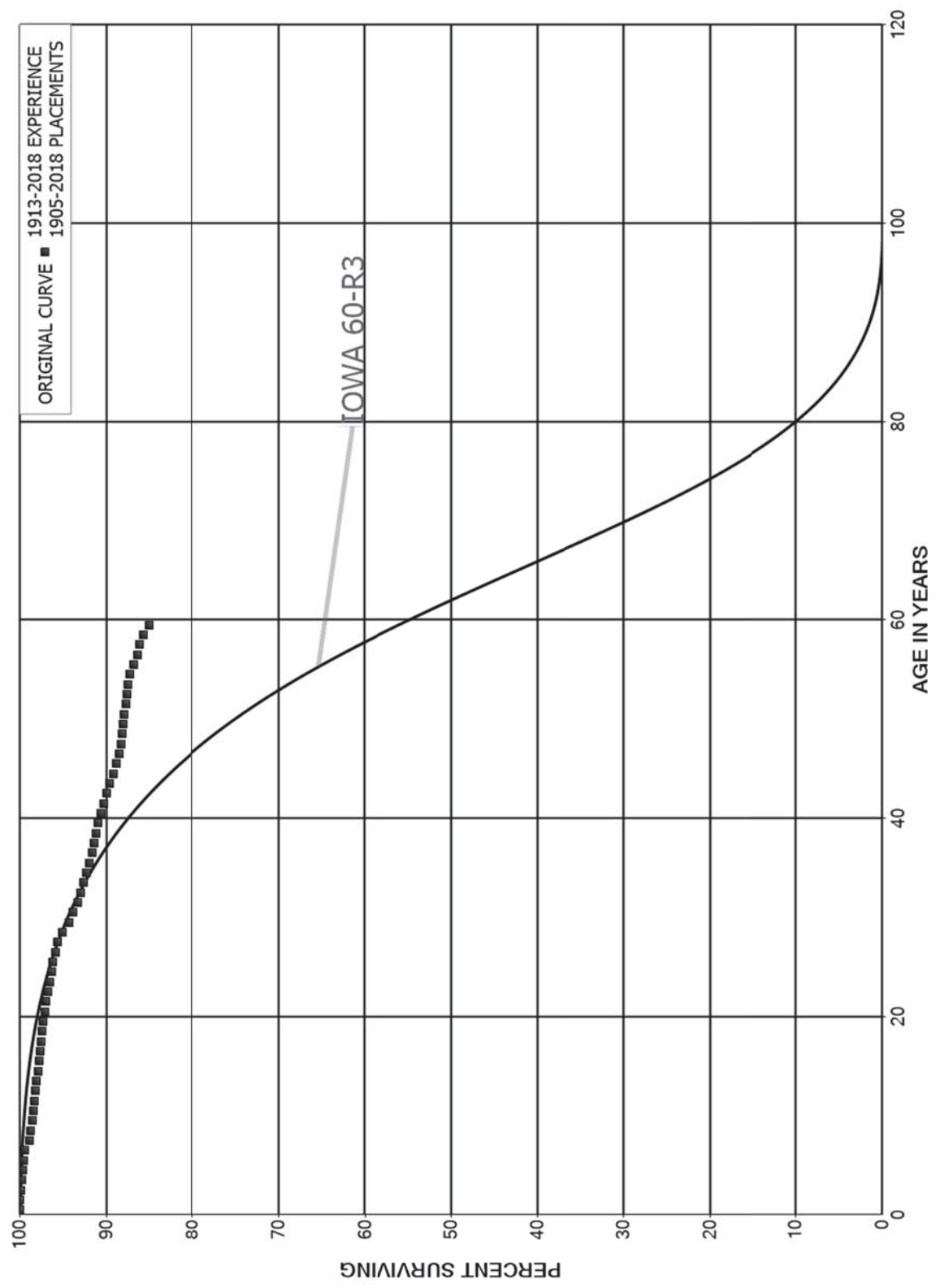
AMEREN MISSOURI

ACCOUNT 369.1 OVERHEAD SERVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1922-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	272,888	46	0.0002	0.9998	53.89	
80.5	256,141	27	0.0001	0.9999	53.88	
81.5	194,816	49	0.0003	0.9997	53.87	
82.5	182,363	7	0.0000	1.0000	53.86	
83.5	169,829	12	0.0001	0.9999	53.86	
84.5	157,492	5	0.0000	1.0000	53.85	
85.5	145,859	1	0.0000	1.0000	53.85	
86.5	130,237	1	0.0000	1.0000	53.85	
87.5	100,384	1	0.0000	1.0000	53.85	
88.5	61,758	3	0.0000	1.0000	53.85	
89.5	30,971	0	0.0000	1.0000	53.85	
90.5	26,498		0.0000	1.0000	53.85	
91.5	22,598		0.0000	1.0000	53.85	
92.5	19,727		0.0000	1.0000	53.85	
93.5	3,215		0.0000	1.0000	53.85	
94.5	3,084		0.0000	1.0000	53.85	
95.5	1,011		0.0000	1.0000	53.85	
96.5	727		0.0000	1.0000	53.85	
97.5	527		0.0000	1.0000	53.85	
98.5	330		0.0000	1.0000	53.85	
99.5					53.85	

AMEREN MISSOURI
 ACCOUNT 369.2 UNDERGROUND SERVICES
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 369.2 UNDERGROUND SERVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1905-2018

EXPERIENCE BAND 1913-2018

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	179,386,994	24,174	0.0001	0.9999	100.00
0.5	177,851,637	159,757	0.0009	0.9991	99.99
1.5	173,463,342	122,068	0.0007	0.9993	99.90
2.5	167,654,967	179,312	0.0011	0.9989	99.83
3.5	162,457,516	152,043	0.0009	0.9991	99.72
4.5	157,593,546	197,918	0.0013	0.9987	99.63
5.5	153,172,379	158,403	0.0010	0.9990	99.50
6.5	148,760,980	816,651	0.0055	0.9945	99.40
7.5	146,569,367	174,857	0.0012	0.9988	98.85
8.5	142,475,932	317,420	0.0022	0.9978	98.73
9.5	138,100,137	202,853	0.0015	0.9985	98.51
10.5	131,061,454	139,142	0.0011	0.9989	98.37
11.5	128,572,779	184,717	0.0014	0.9986	98.27
12.5	122,239,996	129,634	0.0011	0.9989	98.12
13.5	117,749,909	188,821	0.0016	0.9984	98.02
14.5	112,414,055	127,772	0.0011	0.9989	97.86
15.5	107,448,695	134,739	0.0013	0.9987	97.75
16.5	103,556,165	135,529	0.0013	0.9987	97.63
17.5	100,553,281	115,304	0.0011	0.9989	97.50
18.5	97,200,485	139,989	0.0014	0.9986	97.39
19.5	93,062,100	144,135	0.0015	0.9985	97.25
20.5	90,268,708	176,455	0.0020	0.9980	97.10
21.5	86,295,784	191,320	0.0022	0.9978	96.91
22.5	81,764,488	150,054	0.0018	0.9982	96.69
23.5	77,392,661	173,991	0.0022	0.9978	96.52
24.5	72,580,137	135,237	0.0019	0.9981	96.30
25.5	68,657,259	181,092	0.0026	0.9974	96.12
26.5	64,692,850	202,032	0.0031	0.9969	95.87
27.5	61,640,991	341,344	0.0055	0.9945	95.57
28.5	58,651,769	497,364	0.0085	0.9915	95.04
29.5	56,374,200	255,066	0.0045	0.9955	94.23
30.5	54,205,109	299,413	0.0055	0.9945	93.81
31.5	52,009,846	208,231	0.0040	0.9960	93.29
32.5	48,613,013	157,730	0.0032	0.9968	92.91
33.5	45,788,016	173,593	0.0038	0.9962	92.61
34.5	42,077,600	145,627	0.0035	0.9965	92.26
35.5	37,637,571	112,019	0.0030	0.9970	91.94
36.5	35,404,165	97,361	0.0027	0.9973	91.67
37.5	32,692,296	95,539	0.0029	0.9971	91.42
38.5	29,816,957	83,876	0.0028	0.9972	91.15

AMEREN MISSOURI

ACCOUNT 369.2 UNDERGROUND SERVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2018			EXPERIENCE BAND 1913-2018			
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	25,874,378	79,924	0.0031	0.9969	90.89	
40.5	21,432,542	73,168	0.0034	0.9966	90.61	
41.5	17,955,506	68,322	0.0038	0.9962	90.30	
42.5	15,237,861	64,246	0.0042	0.9958	89.96	
43.5	13,107,526	55,830	0.0043	0.9957	89.58	
44.5	10,767,959	48,762	0.0045	0.9955	89.20	
45.5	8,462,715	23,494	0.0028	0.9972	88.79	
46.5	6,774,888	20,655	0.0030	0.9970	88.55	
47.5	5,510,004	8,631	0.0016	0.9984	88.28	
48.5	4,977,781	5,281	0.0011	0.9989	88.14	
49.5	4,392,619	6,967	0.0016	0.9984	88.05	
50.5	3,703,806	6,098	0.0016	0.9984	87.91	
51.5	3,274,941	3,575	0.0011	0.9989	87.76	
52.5	2,596,276	3,309	0.0013	0.9987	87.67	
53.5	1,843,677	6,773	0.0037	0.9963	87.55	
54.5	1,535,201	7,074	0.0046	0.9954	87.23	
55.5	1,372,824	6,171	0.0045	0.9955	86.83	
56.5	1,272,569	4,286	0.0034	0.9966	86.44	
57.5	1,183,996	6,191	0.0052	0.9948	86.15	
58.5	1,101,138	7,946	0.0072	0.9928	85.70	
59.5	1,010,993	7,243	0.0072	0.9928	85.08	
60.5	934,218	7,707	0.0082	0.9918	84.47	
61.5	846,857	6,220	0.0073	0.9927	83.77	
62.5	782,706	2,929	0.0037	0.9963	83.16	
63.5	678,846	4,257	0.0063	0.9937	82.85	
64.5	622,446	1,771	0.0028	0.9972	82.33	
65.5	578,690	2,621	0.0045	0.9955	82.09	
66.5	531,830	2,951	0.0055	0.9945	81.72	
67.5	498,995	617	0.0012	0.9988	81.27	
68.5	467,265	1,910	0.0041	0.9959	81.17	
69.5	428,399	1,336	0.0031	0.9969	80.84	
70.5	392,839	3,925	0.0100	0.9900	80.58	
71.5	360,286	2,089	0.0058	0.9942	79.78	
72.5	332,641	1,675	0.0050	0.9950	79.32	
73.5	317,008	607	0.0019	0.9981	78.92	
74.5	309,940	5,224	0.0169	0.9831	78.77	
75.5	299,678	326	0.0011	0.9989	77.44	
76.5	286,372	1,283	0.0045	0.9955	77.35	
77.5	269,879	227	0.0008	0.9992	77.01	
78.5	247,700	208	0.0008	0.9992	76.94	

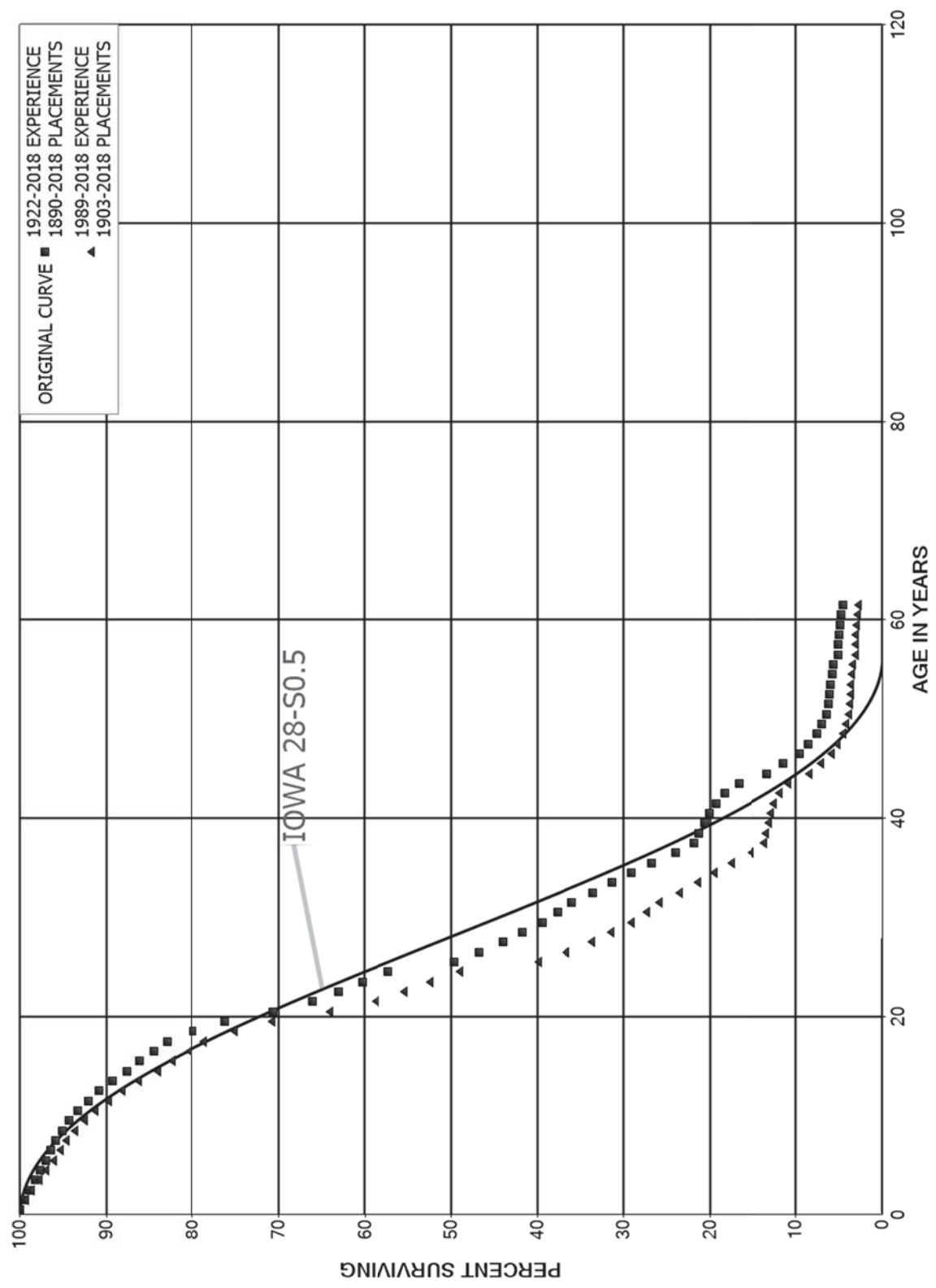
AMEREN MISSOURI

ACCOUNT 369.2 UNDERGROUND SERVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2018			EXPERIENCE BAND 1913-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	232,105	195	0.0008	0.9992	76.88	
80.5	225,265	1,070	0.0047	0.9953	76.81	
81.5	205,241	21	0.0001	0.9999	76.45	
82.5	190,257	109	0.0006	0.9994	76.44	
83.5	182,722	427	0.0023	0.9977	76.40	
84.5	174,909	1,071	0.0061	0.9939	76.22	
85.5	164,353	306	0.0019	0.9981	75.75	
86.5	156,707	197	0.0013	0.9987	75.61	
87.5	141,901	1,273	0.0090	0.9910	75.52	
88.5	120,635	594	0.0049	0.9951	74.84	
89.5	99,305	59	0.0006	0.9994	74.47	
90.5	76,821	2	0.0000	1.0000	74.43	
91.5	66,290	14	0.0002	0.9998	74.42	
92.5	53,952		0.0000	1.0000	74.41	
93.5	43,983		0.0000	1.0000	74.41	
94.5	41,695		0.0000	1.0000	74.41	
95.5	39,130		0.0000	1.0000	74.41	
96.5	37,524		0.0000	1.0000	74.41	
97.5	33,983		0.0000	1.0000	74.41	
98.5	30,074		0.0000	1.0000	74.41	
99.5	27,742		0.0000	1.0000	74.41	
100.5	25,700		0.0000	1.0000	74.41	
101.5	17,816		0.0000	1.0000	74.41	
102.5	15,792		0.0000	1.0000	74.41	
103.5	469		0.0000	1.0000	74.41	
104.5	469		0.0000	1.0000	74.41	
105.5	469		0.0000	1.0000	74.41	
106.5	469		0.0000	1.0000	74.41	
107.5					74.41	

AMEREN MISSOURI
 ACCOUNT 370 METERS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 370 METERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1890-2018

EXPERIENCE BAND 1922-2018

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	212,734,693	72,046	0.0003	0.9997	100.00
0.5	209,909,288	1,154,826	0.0055	0.9945	99.97
1.5	202,723,581	1,239,733	0.0061	0.9939	99.42
2.5	200,623,122	1,214,280	0.0061	0.9939	98.81
3.5	197,255,536	1,161,496	0.0059	0.9941	98.21
4.5	193,749,818	1,255,784	0.0065	0.9935	97.63
5.5	191,374,030	1,173,623	0.0061	0.9939	97.00
6.5	188,130,244	1,077,529	0.0057	0.9943	96.40
7.5	184,844,941	1,433,192	0.0078	0.9922	95.85
8.5	179,695,322	1,657,121	0.0092	0.9908	95.11
9.5	172,533,233	1,689,977	0.0098	0.9902	94.23
10.5	169,088,573	2,221,502	0.0131	0.9869	93.31
11.5	164,364,552	2,260,001	0.0137	0.9863	92.08
12.5	158,669,317	2,605,262	0.0164	0.9836	90.82
13.5	153,910,488	2,957,147	0.0192	0.9808	89.33
14.5	148,988,352	2,380,574	0.0160	0.9840	87.61
15.5	145,156,524	2,919,925	0.0201	0.9799	86.21
16.5	131,218,331	2,407,850	0.0183	0.9817	84.48
17.5	128,692,259	4,656,251	0.0362	0.9638	82.93
18.5	118,420,032	5,517,861	0.0466	0.9534	79.92
19.5	108,186,604	7,942,135	0.0734	0.9266	76.20
20.5	95,315,829	6,196,958	0.0650	0.9350	70.61
21.5	83,556,383	3,731,030	0.0447	0.9553	66.02
22.5	74,961,342	3,308,971	0.0441	0.9559	63.07
23.5	68,456,037	3,448,553	0.0504	0.9496	60.28
24.5	62,447,875	8,318,939	0.1332	0.8668	57.25
25.5	52,034,365	3,088,370	0.0594	0.9406	49.62
26.5	46,792,312	2,758,775	0.0590	0.9410	46.68
27.5	42,374,071	2,112,744	0.0499	0.9501	43.92
28.5	38,461,151	2,115,843	0.0550	0.9450	41.73
29.5	34,776,299	1,618,506	0.0465	0.9535	39.44
30.5	31,628,926	1,357,602	0.0429	0.9571	37.60
31.5	28,672,356	1,972,738	0.0688	0.9312	35.99
32.5	24,903,195	1,657,812	0.0666	0.9334	33.51
33.5	21,545,774	1,513,629	0.0703	0.9297	31.28
34.5	19,804,916	1,577,682	0.0797	0.9203	29.08
35.5	18,030,873	1,873,626	0.1039	0.8961	26.77
36.5	16,008,402	1,417,988	0.0886	0.9114	23.99
37.5	14,401,189	391,416	0.0272	0.9728	21.86
38.5	13,795,296	393,916	0.0286	0.9714	21.27

AMEREN MISSOURI

ACCOUNT 370 METERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1890-2018			EXPERIENCE BAND 1922-2018		
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	13,225,228	412,169	0.0312	0.9688	20.66
40.5	12,619,310	443,041	0.0351	0.9649	20.02
41.5	12,035,985	636,327	0.0529	0.9471	19.31
42.5	11,201,237	995,748	0.0889	0.9111	18.29
43.5	10,057,925	2,056,091	0.2044	0.7956	16.67
44.5	7,952,773	1,143,752	0.1438	0.8562	13.26
45.5	6,632,803	1,057,156	0.1594	0.8406	11.35
46.5	5,323,766	607,927	0.1142	0.8858	9.54
47.5	4,709,012	543,754	0.1155	0.8845	8.45
48.5	4,012,794	279,183	0.0696	0.9304	7.48
49.5	3,566,754	300,173	0.0842	0.9158	6.96
50.5	3,205,493	111,184	0.0347	0.9653	6.37
51.5	2,950,814	52,827	0.0179	0.9821	6.15
52.5	2,762,289	42,440	0.0154	0.9846	6.04
53.5	2,587,651	100,093	0.0387	0.9613	5.95
54.5	2,395,552	48,024	0.0200	0.9800	5.72
55.5	2,236,664	193,438	0.0865	0.9135	5.60
56.5	2,055,213	30,940	0.0151	0.9849	5.12
57.5	1,929,311	20,372	0.0106	0.9894	5.04
58.5	1,835,775	58,268	0.0317	0.9683	4.99
59.5	1,639,600	44,799	0.0273	0.9727	4.83
60.5	1,335,025	43,507	0.0326	0.9674	4.70
61.5	1,295,075	98,056	0.0757	0.9243	4.54
62.5	1,093,322	56,354	0.0515	0.9485	4.20
63.5	979,817	47,174	0.0481	0.9519	3.98
64.5	862,696	72,846	0.0844	0.9156	3.79
65.5	722,753	33,064	0.0457	0.9543	3.47
66.5	630,214	14,212	0.0226	0.9774	3.31
67.5	579,840	12,879	0.0222	0.9778	3.24
68.5	529,085	13,919	0.0263	0.9737	3.17
69.5	468,150	9,157	0.0196	0.9804	3.08
70.5	414,777	6,330	0.0153	0.9847	3.02
71.5	359,244	6,215	0.0173	0.9827	2.98
72.5	320,955	11,584	0.0361	0.9639	2.93
73.5	302,563	13,418	0.0443	0.9557	2.82
74.5	267,518	9,105	0.0340	0.9660	2.69
75.5	251,540	6,186	0.0246	0.9754	2.60
76.5	233,913	4,700	0.0201	0.9799	2.54
77.5	156,749	17,198	0.1097	0.8903	2.49
78.5	116,142	2,315	0.0199	0.9801	2.21

AMEREN MISSOURI

ACCOUNT 370 METERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1890-2018			EXPERIENCE BAND 1922-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	101,275	1,609	0.0159	0.9841	2.17
80.5	84,171	6,547	0.0778	0.9222	2.14
81.5	54,727	1,976	0.0361	0.9639	1.97
82.5	197,872	150,807	0.7621	0.2379	1.90
83.5	192,425	149,556	0.7772	0.2228	0.45
84.5	187,959	151,271	0.8048	0.1952	0.10
85.5	183,880	149,442	0.8127	0.1873	0.02
86.5	180,626	150,541	0.8334	0.1666	0.00
87.5	26,806	3,807	0.1420	0.8580	0.00
88.5	19,074	2,951	0.1547	0.8453	0.00
89.5	15,190	392	0.0258	0.9742	0.00
90.5	12,707	401	0.0315	0.9685	0.00
91.5	10,326	384	0.0372	0.9628	0.00
92.5	9,526	336	0.0353	0.9647	0.00
93.5	6,303	768	0.1219	0.8781	0.00
94.5	4,630	295	0.0637	0.9363	0.00
95.5	3,539	241	0.0680	0.9320	0.00
96.5	3,298	280	0.0848	0.9152	0.00
97.5	698	67	0.0961	0.9039	0.00
98.5	192		0.0000	1.0000	0.00
99.5	23		0.0000	1.0000	0.00
100.5	23		0.0000	1.0000	0.00
101.5	23		0.0000	1.0000	0.00
102.5	23		0.0000	1.0000	0.00
103.5	23		0.0000	1.0000	0.00
104.5	23		0.0000	1.0000	0.00
105.5					0.00

AMEREN MISSOURI

ACCOUNT 370 METERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1903-2018

EXPERIENCE BAND 1989-2018

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	127,267,159	25,824	0.0002	0.9998	100.00
0.5	127,266,474	1,045,129	0.0082	0.9918	99.98
1.5	123,340,781	867,847	0.0070	0.9930	99.16
2.5	126,030,221	1,048,427	0.0083	0.9917	98.46
3.5	126,504,282	1,042,694	0.0082	0.9918	97.64
4.5	127,093,231	1,140,136	0.0090	0.9910	96.84
5.5	128,354,152	1,037,908	0.0081	0.9919	95.97
6.5	127,108,762	946,486	0.0074	0.9926	95.19
7.5	126,580,397	1,299,513	0.0103	0.9897	94.48
8.5	123,989,183	1,537,356	0.0124	0.9876	93.51
9.5	119,733,629	1,555,763	0.0130	0.9870	92.35
10.5	119,328,086	2,049,271	0.0172	0.9828	91.15
11.5	116,480,227	2,050,414	0.0176	0.9824	89.59
12.5	112,682,718	2,394,984	0.0213	0.9787	88.01
13.5	109,800,757	2,777,526	0.0253	0.9747	86.14
14.5	111,087,375	2,186,063	0.0197	0.9803	83.96
15.5	109,319,308	2,705,002	0.0247	0.9753	82.31
16.5	97,557,241	2,174,985	0.0223	0.9777	80.27
17.5	97,042,287	4,347,632	0.0448	0.9552	78.48
18.5	88,149,648	5,097,141	0.0578	0.9422	74.97
19.5	79,682,367	7,471,737	0.0938	0.9062	70.63
20.5	68,444,755	5,721,936	0.0836	0.9164	64.01
21.5	58,237,661	3,304,370	0.0567	0.9433	58.66
22.5	51,268,295	2,846,759	0.0555	0.9445	55.33
23.5	46,556,807	3,043,510	0.0654	0.9346	52.26
24.5	42,136,679	7,898,668	0.1875	0.8125	48.84
25.5	33,463,002	2,724,721	0.0814	0.9186	39.69
26.5	29,933,878	2,440,814	0.0815	0.9185	36.45
27.5	27,312,828	1,818,762	0.0666	0.9334	33.48
28.5	25,144,151	1,853,627	0.0737	0.9263	31.25
29.5	23,000,243	1,377,119	0.0599	0.9401	28.95
30.5	20,711,299	1,132,218	0.0547	0.9453	27.22
31.5	18,949,906	1,734,975	0.0916	0.9084	25.73
32.5	16,366,097	1,423,156	0.0870	0.9130	23.37
33.5	14,091,796	1,280,430	0.0909	0.9091	21.34
34.5	13,528,222	1,370,861	0.1013	0.8987	19.40
35.5	12,486,092	1,664,062	0.1333	0.8667	17.43
36.5	11,226,224	1,212,143	0.1080	0.8920	15.11
37.5	10,279,842	181,118	0.0176	0.9824	13.48
38.5	10,282,792	197,224	0.0192	0.9808	13.24

AMEREN MISSOURI

ACCOUNT 370 METERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1903-2018			EXPERIENCE BAND 1989-2018		
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	10,348,978	225,916	0.0218	0.9782	12.99
40.5	10,416,837	277,194	0.0266	0.9734	12.70
41.5	10,285,272	504,806	0.0491	0.9509	12.37
42.5	9,720,107	890,093	0.0916	0.9084	11.76
43.5	8,763,429	1,972,779	0.2251	0.7749	10.68
44.5	6,782,479	1,066,728	0.1573	0.8427	8.28
45.5	5,566,543	975,133	0.1752	0.8248	6.98
46.5	4,433,811	546,018	0.1231	0.8769	5.75
47.5	4,061,380	511,710	0.1260	0.8740	5.05
48.5	3,514,557	260,228	0.0740	0.9260	4.41
49.5	3,146,630	282,834	0.0899	0.9101	4.08
50.5	2,858,080	98,931	0.0346	0.9654	3.72
51.5	2,720,290	43,096	0.0158	0.9842	3.59
52.5	2,556,288	33,826	0.0132	0.9868	3.53
53.5	2,398,641	91,777	0.0383	0.9617	3.48
54.5	2,225,865	42,896	0.0193	0.9807	3.35
55.5	2,077,771	187,038	0.0900	0.9100	3.29
56.5	1,912,751	26,232	0.0137	0.9863	2.99
57.5	1,800,465	17,285	0.0096	0.9904	2.95
58.5	1,722,078	57,168	0.0332	0.9668	2.92
59.5	1,537,675	43,566	0.0283	0.9717	2.82
60.5	1,242,268	42,860	0.0345	0.9655	2.74
61.5	1,210,826	97,086	0.0802	0.9198	2.65
62.5	1,016,531	55,381	0.0545	0.9455	2.44
63.5	912,402	46,925	0.0514	0.9486	2.30
64.5	803,482	72,213	0.0899	0.9101	2.19
65.5	670,794	32,622	0.0486	0.9514	1.99
66.5	580,294	13,711	0.0236	0.9764	1.89
67.5	538,265	12,446	0.0231	0.9769	1.85
68.5	499,223	13,663	0.0274	0.9726	1.80
69.5	441,222	8,914	0.0202	0.9798	1.76
70.5	389,386	6,206	0.0159	0.9841	1.72
71.5	338,663	6,127	0.0181	0.9819	1.69
72.5	303,373	11,511	0.0379	0.9621	1.66
73.5	285,460	13,203	0.0463	0.9537	1.60
74.5	251,400	9,105	0.0362	0.9638	1.53
75.5	239,868	6,060	0.0253	0.9747	1.47
76.5	223,993	4,633	0.0207	0.9793	1.43
77.5	148,392	16,875	0.1137	0.8863	1.40
78.5	108,759	2,315	0.0213	0.9787	1.24

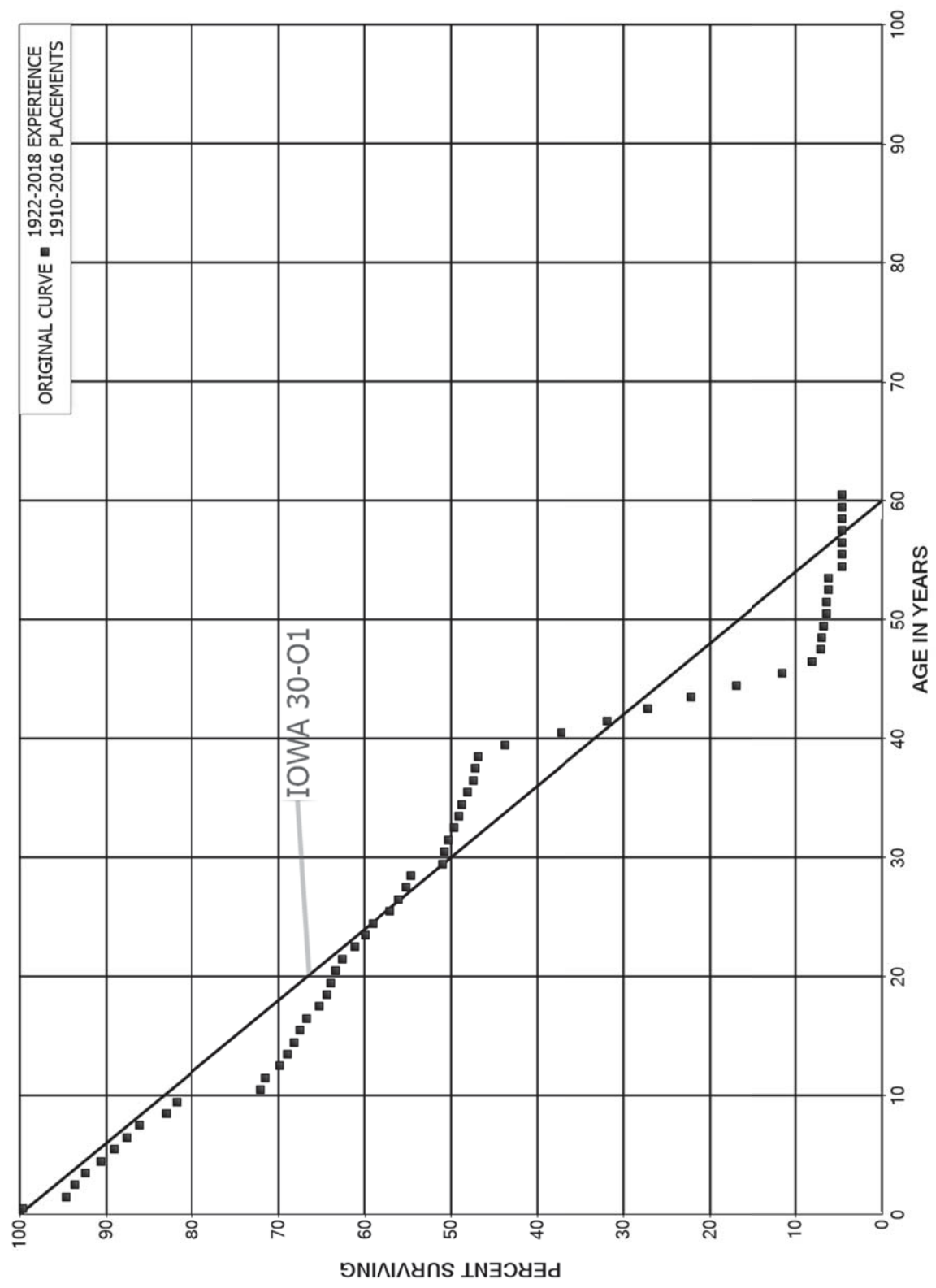
AMEREN MISSOURI

ACCOUNT 370 METERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1903-2018			EXPERIENCE BAND 1989-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	95,167	1,609	0.0169	0.9831	1.22	
80.5	78,413	6,547	0.0835	0.9165	1.20	
81.5	49,645	1,976	0.0398	0.9602	1.10	
82.5	195,732	150,807	0.7705	0.2295	1.05	
83.5	192,191	149,556	0.7782	0.2218	0.24	
84.5	187,725	151,271	0.8058	0.1942	0.05	
85.5	183,880	149,442	0.8127	0.1873	0.01	
86.5	180,626	150,541	0.8334	0.1666	0.00	
87.5	26,806	3,807	0.1420	0.8580	0.00	
88.5	19,074	2,951	0.1547	0.8453	0.00	
89.5	15,190	392	0.0258	0.9742	0.00	
90.5	12,707	401	0.0315	0.9685	0.00	
91.5	10,326	384	0.0372	0.9628	0.00	
92.5	9,526	336	0.0353	0.9647	0.00	
93.5	6,303	768	0.1219	0.8781	0.00	
94.5	4,630	295	0.0637	0.9363	0.00	
95.5	3,539	241	0.0680	0.9320	0.00	
96.5	3,298	280	0.0848	0.9152	0.00	
97.5	698	67	0.0961	0.9039	0.00	
98.5	192		0.0000	1.0000	0.00	
99.5	23		0.0000	1.0000	0.00	
100.5	23		0.0000	1.0000	0.00	
101.5	23		0.0000	1.0000	0.00	
102.5	23		0.0000	1.0000	0.00	
103.5	23		0.0000	1.0000	0.00	
104.5	23		0.0000	1.0000	0.00	
105.5					0.00	

AMEREN MISSOURI
 ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1910-2016			EXPERIENCE BAND 1922-2018			
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	1,768,392	6,264	0.0035	0.9965	100.00	
0.5	1,762,590	88,810	0.0504	0.9496	99.65	
1.5	1,674,128	18,018	0.0108	0.9892	94.63	
2.5	1,656,110	21,428	0.0129	0.9871	93.61	
3.5	1,634,682	32,438	0.0198	0.9802	92.40	
4.5	1,602,244	27,407	0.0171	0.9829	90.56	
5.5	1,574,837	25,492	0.0162	0.9838	89.01	
6.5	1,549,994	24,252	0.0156	0.9844	87.57	
7.5	1,525,742	54,899	0.0360	0.9640	86.20	
8.5	1,482,654	23,042	0.0155	0.9845	83.10	
9.5	1,459,612	173,133	0.1186	0.8814	81.81	
10.5	1,286,895	11,602	0.0090	0.9910	72.10	
11.5	1,275,801	29,063	0.0228	0.9772	71.45	
12.5	1,246,738	15,669	0.0126	0.9874	69.83	
13.5	1,231,069	14,534	0.0118	0.9882	68.95	
14.5	1,216,535	11,143	0.0092	0.9908	68.14	
15.5	1,205,392	13,308	0.0110	0.9890	67.51	
16.5	1,192,084	26,488	0.0222	0.9778	66.77	
17.5	1,165,596	15,626	0.0134	0.9866	65.28	
18.5	1,149,970	7,744	0.0067	0.9933	64.41	
19.5	1,142,226	10,560	0.0092	0.9908	63.97	
20.5	1,131,666	14,547	0.0129	0.9871	63.38	
21.5	1,103,700	23,814	0.0216	0.9784	62.57	
22.5	1,079,886	22,417	0.0208	0.9792	61.22	
23.5	1,057,469	15,815	0.0150	0.9850	59.95	
24.5	1,041,654	35,572	0.0341	0.9659	59.05	
25.5	1,006,082	17,974	0.0179	0.9821	57.03	
26.5	988,108	14,249	0.0144	0.9856	56.01	
27.5	973,859	11,405	0.0117	0.9883	55.21	
28.5	962,454	62,787	0.0652	0.9348	54.56	
29.5	899,667	4,814	0.0054	0.9946	51.00	
30.5	894,853	8,279	0.0093	0.9907	50.73	
31.5	886,574	12,224	0.0138	0.9862	50.26	
32.5	874,350	9,192	0.0105	0.9895	49.57	
33.5	864,439	5,943	0.0069	0.9931	49.04	
34.5	794,682	10,159	0.0128	0.9872	48.71	
35.5	784,523	12,100	0.0154	0.9846	48.08	
36.5	772,423	3,477	0.0045	0.9955	47.34	
37.5	768,946	5,220	0.0068	0.9932	47.13	
38.5	763,726	49,846	0.0653	0.9347	46.81	

AMEREN MISSOURI

ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2016			EXPERIENCE BAND 1922-2018		
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	713,880	106,479	0.1492	0.8508	43.76
40.5	607,401	88,699	0.1460	0.8540	37.23
41.5	518,654	76,161	0.1468	0.8532	31.79
42.5	439,178	80,435	0.1831	0.8169	27.12
43.5	358,743	84,253	0.2349	0.7651	22.16
44.5	274,490	88,884	0.3238	0.6762	16.95
45.5	183,453	54,957	0.2996	0.7004	11.46
46.5	128,496	15,177	0.1181	0.8819	8.03
47.5	107,738	1,832	0.0170	0.9830	7.08
48.5	99,620	3,779	0.0379	0.9621	6.96
49.5	87,974	4,561	0.0518	0.9482	6.70
50.5	71,056		0.0000	1.0000	6.35
51.5	65,924	1,320	0.0200	0.9800	6.35
52.5	62,067		0.0000	1.0000	6.22
53.5	56,903	14,243	0.2503	0.7497	6.22
54.5	40,145		0.0000	1.0000	4.66
55.5	23,093		0.0000	1.0000	4.66
56.5	19,010		0.0000	1.0000	4.66
57.5	18,310		0.0000	1.0000	4.66
58.5	17,562		0.0000	1.0000	4.66
59.5	15,281		0.0000	1.0000	4.66
60.5	15,007	713	0.0475	0.9525	4.66
61.5	9,332	1,493	0.1600	0.8400	4.44
62.5	7,515		0.0000	1.0000	3.73
63.5	7,515		0.0000	1.0000	3.73
64.5	6,819		0.0000	1.0000	3.73
65.5	5,843		0.0000	1.0000	3.73
66.5	5,843		0.0000	1.0000	3.73
67.5	5,843	3,915	0.6700	0.3300	3.73
68.5	1,196		0.0000	1.0000	1.23
69.5	1,196		0.0000	1.0000	1.23
70.5	1,196	318	0.2658	0.7342	1.23
71.5	878		0.0000	1.0000	0.90
72.5	14		0.0000	1.0000	0.90
73.5	14		0.0000	1.0000	0.90
74.5	14		0.0000	1.0000	0.90
75.5	14		0.0000	1.0000	0.90
76.5	14		0.0000	1.0000	0.90
77.5	14		0.0000	1.0000	0.90
78.5	14		0.0000	1.0000	0.90

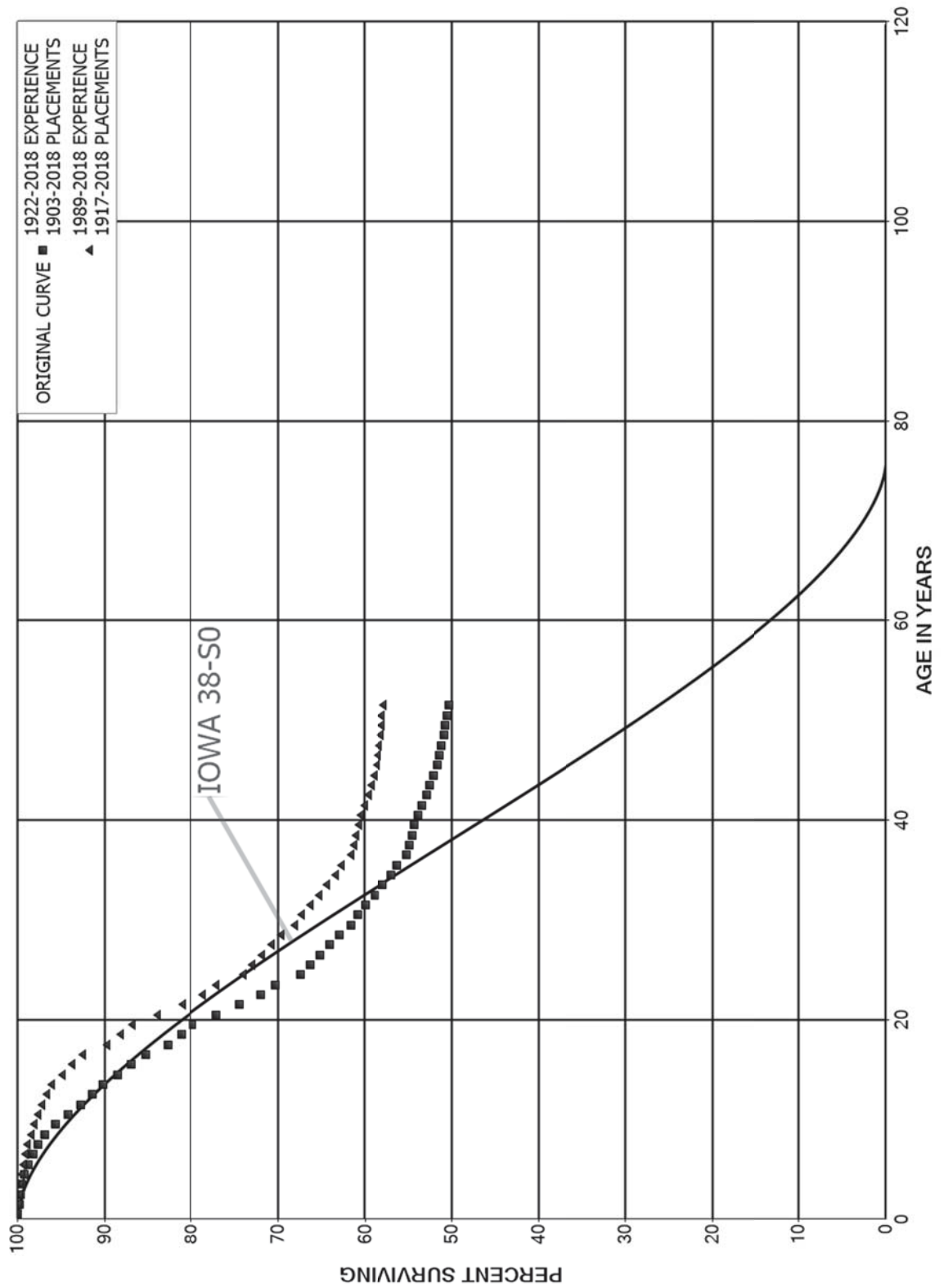
AMEREN MISSOURI

ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2016			EXPERIENCE BAND 1922-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	14		0.0000	1.0000	0.90
80.5	14		0.0000	1.0000	0.90
81.5					0.90

AMEREN MISSOURI
 ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1903-2018

EXPERIENCE BAND 1922-2018

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	205,302,364	94,273	0.0005	0.9995	100.00
0.5	191,737,702	343,400	0.0018	0.9982	99.95
1.5	175,743,792	197,168	0.0011	0.9989	99.78
2.5	165,082,389	248,807	0.0015	0.9985	99.66
3.5	159,253,304	550,639	0.0035	0.9965	99.51
4.5	155,628,363	781,429	0.0050	0.9950	99.17
5.5	151,888,714	751,698	0.0049	0.9951	98.67
6.5	148,474,933	881,363	0.0059	0.9941	98.18
7.5	144,139,768	1,208,067	0.0084	0.9916	97.60
8.5	139,880,699	1,643,360	0.0117	0.9883	96.78
9.5	133,695,598	2,032,483	0.0152	0.9848	95.64
10.5	125,764,453	1,948,204	0.0155	0.9845	94.19
11.5	121,968,309	1,751,931	0.0144	0.9856	92.73
12.5	115,826,984	1,578,021	0.0136	0.9864	91.40
13.5	110,905,551	1,979,958	0.0179	0.9821	90.15
14.5	106,087,357	1,938,007	0.0183	0.9817	88.54
15.5	101,042,978	1,851,362	0.0183	0.9817	86.93
16.5	95,883,461	2,912,727	0.0304	0.9696	85.33
17.5	90,160,350	1,711,580	0.0190	0.9810	82.74
18.5	85,197,302	1,403,028	0.0165	0.9835	81.17
19.5	80,149,805	2,809,104	0.0350	0.9650	79.83
20.5	73,410,811	2,560,337	0.0349	0.9651	77.04
21.5	66,617,802	2,116,846	0.0318	0.9682	74.35
22.5	60,940,526	1,469,600	0.0241	0.9759	71.99
23.5	55,709,240	2,249,808	0.0404	0.9596	70.25
24.5	51,298,669	831,311	0.0162	0.9838	67.41
25.5	47,961,038	822,415	0.0171	0.9829	66.32
26.5	44,641,867	743,716	0.0167	0.9833	65.18
27.5	42,013,436	723,100	0.0172	0.9828	64.10
28.5	38,776,806	833,704	0.0215	0.9785	63.00
29.5	35,452,069	483,747	0.0136	0.9864	61.64
30.5	32,812,863	476,322	0.0145	0.9855	60.80
31.5	30,134,487	538,232	0.0179	0.9821	59.92
32.5	27,573,597	439,224	0.0159	0.9841	58.85
33.5	24,951,113	415,578	0.0167	0.9833	57.91
34.5	22,376,120	271,845	0.0121	0.9879	56.95
35.5	19,919,746	363,167	0.0182	0.9818	56.25
36.5	17,701,356	114,724	0.0065	0.9935	55.23
37.5	15,846,988	91,403	0.0058	0.9942	54.87
38.5	14,225,477	82,191	0.0058	0.9942	54.55

AMEREN MISSOURI

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1903-2018			EXPERIENCE BAND 1922-2018		
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	12,685,777	93,359	0.0074	0.9926	54.24
40.5	11,394,615	89,903	0.0079	0.9921	53.84
41.5	10,439,508	109,167	0.0105	0.9895	53.41
42.5	9,350,555	65,559	0.0070	0.9930	52.86
43.5	8,239,117	64,341	0.0078	0.9922	52.49
44.5	6,947,321	55,582	0.0080	0.9920	52.08
45.5	5,724,834	27,927	0.0049	0.9951	51.66
46.5	4,541,504	23,710	0.0052	0.9948	51.41
47.5	3,574,919	18,432	0.0052	0.9948	51.14
48.5	2,762,889	10,951	0.0040	0.9960	50.87
49.5	2,308,674	8,851	0.0038	0.9962	50.67
50.5	1,895,001	7,969	0.0042	0.9958	50.48
51.5	1,511,049	4,616	0.0031	0.9969	50.27
52.5	1,244,090	4,768	0.0038	0.9962	50.11
53.5	1,025,077	4,903	0.0048	0.9952	49.92
54.5	927,499	4,606	0.0050	0.9950	49.68
55.5	808,707	4,116	0.0051	0.9949	49.44
56.5	689,619	1,269	0.0018	0.9982	49.18
57.5	660,831	3,450	0.0052	0.9948	49.09
58.5	645,941	2,632	0.0041	0.9959	48.84
59.5	612,722	6,607	0.0108	0.9892	48.64
60.5	576,343	3,619	0.0063	0.9937	48.11
61.5	554,927	548	0.0010	0.9990	47.81
62.5	542,623	275	0.0005	0.9995	47.76
63.5	502,047	3,317	0.0066	0.9934	47.74
64.5	413,707	3,395	0.0082	0.9918	47.42
65.5	288,030	1,813	0.0063	0.9937	47.04
66.5	222,434	11,253	0.0506	0.9494	46.74
67.5	136,433	2,979	0.0218	0.9782	44.37
68.5	98,871	4,965	0.0502	0.9498	43.41
69.5	90,249	17,561	0.1946	0.8054	41.23
70.5	84,726	14,308	0.1689	0.8311	33.20
71.5	82,855	19,400	0.2341	0.7659	27.60
72.5	71,923	7,864	0.1093	0.8907	21.14
73.5	63,789	1,518	0.0238	0.9762	18.82
74.5	61,902	12,624	0.2039	0.7961	18.38
75.5	49,277	3,481	0.0706	0.9294	14.63
76.5	45,796	1,976	0.0432	0.9568	13.60
77.5	43,806	142	0.0032	0.9968	13.01
78.5	39,879	3,932	0.0986	0.9014	12.97

AMEREN MISSOURI

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1903-2018			EXPERIENCE BAND 1922-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	66,815	35,109	0.5255	0.4745	11.69
80.5	30,899	1,991	0.0644	0.9356	5.55
81.5	28,256	1,813	0.0642	0.9358	5.19
82.5	26,308	1,958	0.0744	0.9256	4.86
83.5	24,337	1,170	0.0481	0.9519	4.49
84.5	17,830	1,658	0.0930	0.9070	4.28
85.5	16,159	1,810	0.1120	0.8880	3.88
86.5	14,349	2,084	0.1453	0.8547	3.45
87.5	12,265	2,211	0.1803	0.8197	2.95
88.5	9,997	2,231	0.2232	0.7768	2.41
89.5	7,528	2,701	0.3588	0.6412	1.88
90.5	4,788	2,289	0.4781	0.5219	1.20
91.5	2,197	1,345	0.6123	0.3877	0.63
92.5	283	104	0.3688	0.6312	0.24
93.5	145		0.0000	1.0000	0.15
94.5	145		0.0000	1.0000	0.15
95.5					0.15

AMEREN MISSOURI

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1917-2018

EXPERIENCE BAND 1989-2018

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	143,178,977	91,009	0.0006	0.9994	100.00
0.5	132,315,296	324,995	0.0025	0.9975	99.94
1.5	119,063,768	91,483	0.0008	0.9992	99.69
2.5	111,053,250	117,995	0.0011	0.9989	99.61
3.5	108,086,389	168,423	0.0016	0.9984	99.51
4.5	107,340,028	211,706	0.0020	0.9980	99.35
5.5	106,754,072	255,296	0.0024	0.9976	99.16
6.5	106,234,166	262,019	0.0025	0.9975	98.92
7.5	105,444,949	391,965	0.0037	0.9963	98.68
8.5	104,577,313	408,205	0.0039	0.9961	98.31
9.5	102,262,174	405,503	0.0040	0.9960	97.93
10.5	98,159,423	491,381	0.0050	0.9950	97.54
11.5	97,655,687	549,598	0.0056	0.9944	97.05
12.5	94,598,487	537,924	0.0057	0.9943	96.50
13.5	92,377,196	1,206,416	0.0131	0.9869	95.95
14.5	90,150,097	1,034,862	0.0115	0.9885	94.70
15.5	87,816,750	1,161,117	0.0132	0.9868	93.61
16.5	85,218,851	2,525,787	0.0296	0.9704	92.38
17.5	81,335,138	1,393,257	0.0171	0.9829	89.64
18.5	78,017,434	1,194,679	0.0153	0.9847	88.10
19.5	74,066,484	2,505,034	0.0338	0.9662	86.75
20.5	68,309,402	2,352,287	0.0344	0.9656	83.82
21.5	62,275,718	1,846,255	0.0296	0.9704	80.93
22.5	57,311,646	1,170,787	0.0204	0.9796	78.53
23.5	52,731,904	2,084,109	0.0395	0.9605	76.93
24.5	48,733,804	701,639	0.0144	0.9856	73.89
25.5	45,763,403	687,276	0.0150	0.9850	72.83
26.5	42,728,959	651,461	0.0152	0.9848	71.73
27.5	40,334,798	655,167	0.0162	0.9838	70.64
28.5	37,247,032	798,643	0.0214	0.9786	69.49
29.5	33,997,390	429,632	0.0126	0.9874	68.00
30.5	31,452,638	427,220	0.0136	0.9864	67.14
31.5	28,851,373	470,813	0.0163	0.9837	66.23
32.5	26,383,995	367,658	0.0139	0.9861	65.15
33.5	23,887,876	350,011	0.0147	0.9853	64.24
34.5	21,478,171	229,745	0.0107	0.9893	63.30
35.5	19,220,911	334,817	0.0174	0.9826	62.62
36.5	17,100,202	89,542	0.0052	0.9948	61.53
37.5	15,364,538	67,463	0.0044	0.9956	61.21
38.5	13,808,982	64,688	0.0047	0.9953	60.94

AMEREN MISSOURI

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1917-2018			EXPERIENCE BAND 1989-2018			
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	12,340,164	63,326	0.0051	0.9949	60.66	
40.5	11,081,478	63,887	0.0058	0.9942	60.34	
41.5	10,153,928	74,402	0.0073	0.9927	60.00	
42.5	9,105,365	50,040	0.0055	0.9945	59.56	
43.5	8,012,300	52,503	0.0066	0.9934	59.23	
44.5	6,733,490	42,266	0.0063	0.9937	58.84	
45.5	5,525,532	10,884	0.0020	0.9980	58.47	
46.5	4,366,465	9,286	0.0021	0.9979	58.36	
47.5	3,423,092	10,197	0.0030	0.9970	58.23	
48.5	2,623,163	3,037	0.0012	0.9988	58.06	
49.5	2,177,928	3,573	0.0016	0.9984	57.99	
50.5	1,770,991	5,405	0.0031	0.9969	57.90	
51.5	1,393,724	3,204	0.0023	0.9977	57.72	
52.5	1,130,567	4,448	0.0039	0.9961	57.59	
53.5	913,308	3,381	0.0037	0.9963	57.36	
54.5	824,239	2,212	0.0027	0.9973	57.15	
55.5	710,371	3,285	0.0046	0.9954	56.99	
56.5	596,252	1,077	0.0018	0.9982	56.73	
57.5	570,991	3,035	0.0053	0.9947	56.63	
58.5	557,446	2,162	0.0039	0.9961	56.33	
59.5	533,393	5,693	0.0107	0.9893	56.11	
60.5	501,794	3,600	0.0072	0.9928	55.51	
61.5	491,458	432	0.0009	0.9991	55.11	
62.5	487,170	167	0.0003	0.9997	55.06	
63.5	473,619	2,373	0.0050	0.9950	55.04	
64.5	392,371	2,521	0.0064	0.9936	54.77	
65.5	274,930	1,813	0.0066	0.9934	54.42	
66.5	211,519	8,018	0.0379	0.9621	54.06	
67.5	129,527	2,926	0.0226	0.9774	52.01	
68.5	92,563	4,935	0.0533	0.9467	50.83	
69.5	83,971	17,561	0.2091	0.7909	48.12	
70.5	78,448	14,308	0.1824	0.8176	38.06	
71.5	82,855	19,400	0.2341	0.7659	31.12	
72.5	71,923	7,864	0.1093	0.8907	23.83	
73.5	63,789	1,518	0.0238	0.9762	21.23	
74.5	61,902	12,624	0.2039	0.7961	20.72	
75.5	49,277	3,481	0.0706	0.9294	16.50	
76.5	45,796	1,976	0.0432	0.9568	15.33	
77.5	43,806	142	0.0032	0.9968	14.67	
78.5	39,879	3,932	0.0986	0.9014	14.62	

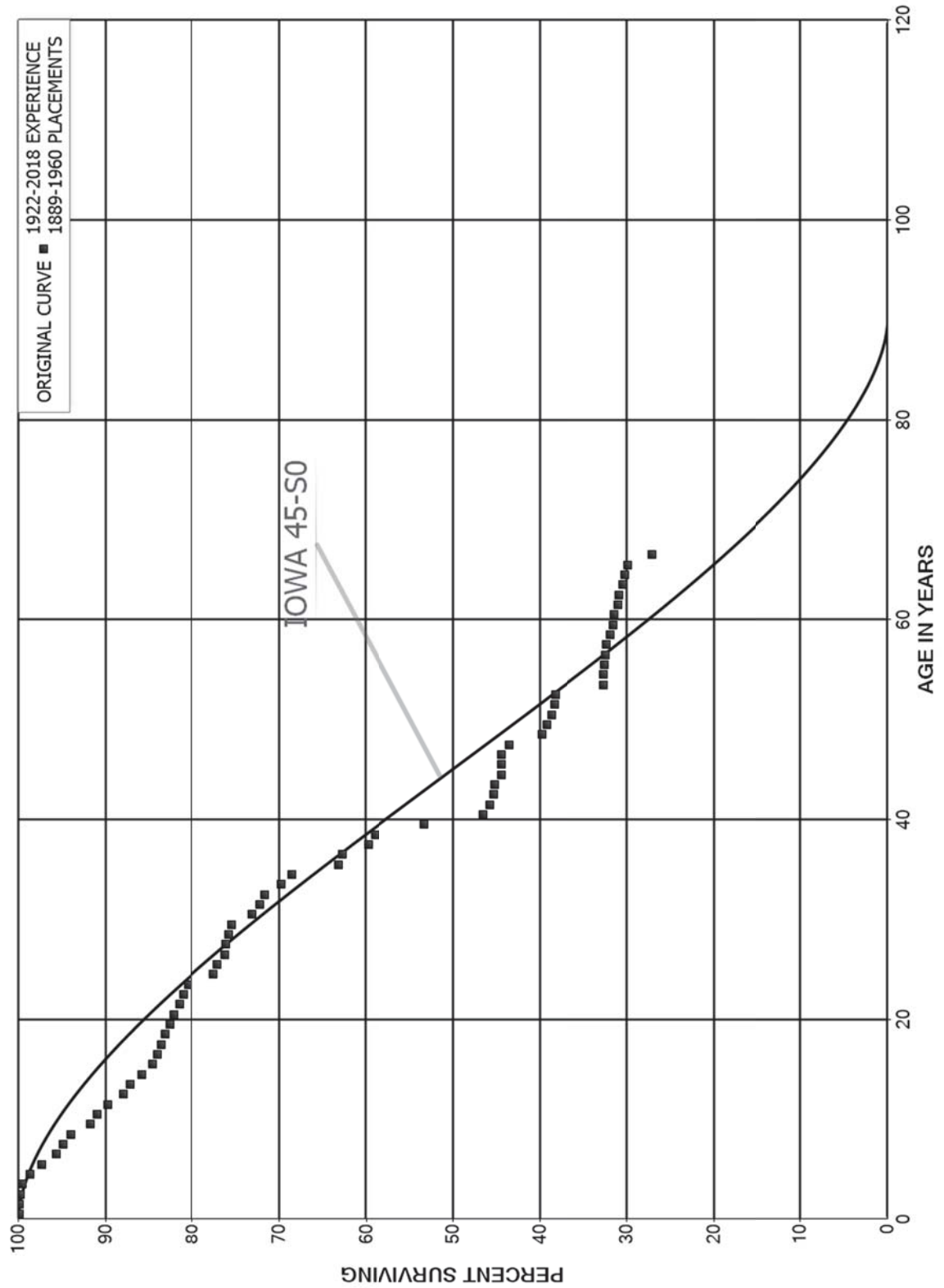
AMEREN MISSOURI

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1917-2018			EXPERIENCE BAND 1989-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	66,815	35,109	0.5255	0.4745	13.18	
80.5	30,899	1,991	0.0644	0.9356	6.25	
81.5	28,256	1,813	0.0642	0.9358	5.85	
82.5	26,308	1,958	0.0744	0.9256	5.48	
83.5	24,337	1,170	0.0481	0.9519	5.07	
84.5	17,830	1,658	0.0930	0.9070	4.82	
85.5	16,159	1,810	0.1120	0.8880	4.38	
86.5	14,349	2,084	0.1453	0.8547	3.89	
87.5	12,265	2,211	0.1803	0.8197	3.32	
88.5	9,997	2,231	0.2232	0.7768	2.72	
89.5	7,528	2,701	0.3588	0.6412	2.11	
90.5	4,788	2,289	0.4781	0.5219	1.36	
91.5	2,197	1,345	0.6123	0.3877	0.71	
92.5	283	104	0.3688	0.6312	0.27	
93.5	145		0.0000	1.0000	0.17	
94.5	145		0.0000	1.0000	0.17	
95.5					0.17	

AMEREN MISSOURI
 ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1889-1960

EXPERIENCE BAND 1922-2018

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	14,208,453	21,566	0.0015	0.9985	100.00
0.5	14,189,864	6,596	0.0005	0.9995	99.85
1.5	14,196,672	9,802	0.0007	0.9993	99.80
2.5	14,196,938	29,325	0.0021	0.9979	99.73
3.5	14,167,716	137,443	0.0097	0.9903	99.53
4.5	14,130,090	181,611	0.0129	0.9871	98.56
5.5	13,949,541	243,984	0.0175	0.9825	97.29
6.5	13,741,766	108,201	0.0079	0.9921	95.59
7.5	13,633,565	122,743	0.0090	0.9910	94.84
8.5	14,362,152	342,489	0.0238	0.9762	93.99
9.5	14,020,301	113,137	0.0081	0.9919	91.75
10.5	13,907,493	195,708	0.0141	0.9859	91.00
11.5	13,714,770	269,124	0.0196	0.9804	89.72
12.5	13,445,934	128,657	0.0096	0.9904	87.96
13.5	13,317,277	195,170	0.0147	0.9853	87.12
14.5	13,122,685	192,133	0.0146	0.9854	85.84
15.5	12,930,552	78,393	0.0061	0.9939	84.59
16.5	12,852,159	75,800	0.0059	0.9941	84.08
17.5	12,777,777	65,039	0.0051	0.9949	83.58
18.5	12,712,738	74,930	0.0059	0.9941	83.15
19.5	12,637,808	78,281	0.0062	0.9938	82.66
20.5	12,559,527	100,400	0.0080	0.9920	82.15
21.5	12,534,333	68,540	0.0055	0.9945	81.50
22.5	12,608,462	85,160	0.0068	0.9932	81.05
23.5	12,523,302	462,116	0.0369	0.9631	80.50
24.5	12,061,186	80,097	0.0066	0.9934	77.53
25.5	11,981,089	126,117	0.0105	0.9895	77.02
26.5	11,854,972	26,600	0.0022	0.9978	76.21
27.5	11,828,372	45,024	0.0038	0.9962	76.03
28.5	11,783,348	51,829	0.0044	0.9956	75.75
29.5	11,731,519	367,695	0.0313	0.9687	75.41
30.5	11,363,824	130,585	0.0115	0.9885	73.05
31.5	11,233,239	99,410	0.0088	0.9912	72.21
32.5	11,136,731	287,823	0.0258	0.9742	71.57
33.5	10,848,908	193,596	0.0178	0.9822	69.72
34.5	10,655,312	831,011	0.0780	0.9220	68.48
35.5	9,824,301	71,474	0.0073	0.9927	63.14
36.5	9,752,827	455,018	0.0467	0.9533	62.68
37.5	9,297,809	122,784	0.0132	0.9868	59.75
38.5	9,175,025	878,449	0.0957	0.9043	58.96

AMEREN MISSOURI

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1889-1960			EXPERIENCE BAND 1922-2018		
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	8,296,576	1,060,686	0.1278	0.8722	53.32
40.5	7,235,890	112,422	0.0155	0.9845	46.50
41.5	7,153,017	84,494	0.0118	0.9882	45.78
42.5	7,052,836	11,821	0.0017	0.9983	45.24
43.5	6,971,894	113,859	0.0163	0.9837	45.16
44.5	6,930,314	5,133	0.0007	0.9993	44.42
45.5	6,925,182	4,902	0.0007	0.9993	44.39
46.5	6,997,064	141,464	0.0202	0.9798	44.36
47.5	6,778,815	580,665	0.0857	0.9143	43.46
48.5	6,196,988	80,884	0.0131	0.9869	39.74
49.5	6,116,037	87,035	0.0142	0.9858	39.22
50.5	6,025,603	61,835	0.0103	0.9897	38.66
51.5	5,958,985	13,861	0.0023	0.9977	38.27
52.5	5,945,124	859,316	0.1445	0.8555	38.18
53.5	5,085,808	4,768	0.0009	0.9991	32.66
54.5	5,081,040	26,280	0.0052	0.9948	32.63
55.5	5,054,760	9,182	0.0018	0.9982	32.46
56.5	5,044,958	14,331	0.0028	0.9972	32.40
57.5	5,029,631	76,555	0.0152	0.9848	32.31
58.5	4,862,440	52,145	0.0107	0.9893	31.82
59.5	4,469,714	7,969	0.0018	0.9982	31.48
60.5	3,997,680	61,434	0.0154	0.9846	31.42
61.5	3,799,767	10,560	0.0028	0.9972	30.94
62.5	2,802,082	44,435	0.0159	0.9841	30.85
63.5	2,837,684	17,453	0.0062	0.9938	30.36
64.5	2,654,995	26,347	0.0099	0.9901	30.18
65.5	2,625,828	249,249	0.0949	0.9051	29.88
66.5	857,243		0.0000	1.0000	27.04
67.5	854,332	3,927	0.0046	0.9954	27.04
68.5	826,344		0.0000	1.0000	26.92
69.5	819,245	1,654	0.0020	0.9980	26.92
70.5	790,261	1,066	0.0013	0.9987	26.86
71.5	797,530		0.0000	1.0000	26.83
72.5	807,082	167,523	0.2076	0.7924	26.83
73.5	637,524	125,034	0.1961	0.8039	21.26
74.5	508,381	5,486	0.0108	0.9892	17.09
75.5	493,650		0.0000	1.0000	16.90
76.5	487,718		0.0000	1.0000	16.90
77.5	482,004		0.0000	1.0000	16.90
78.5	467,491	241	0.0005	0.9995	16.90

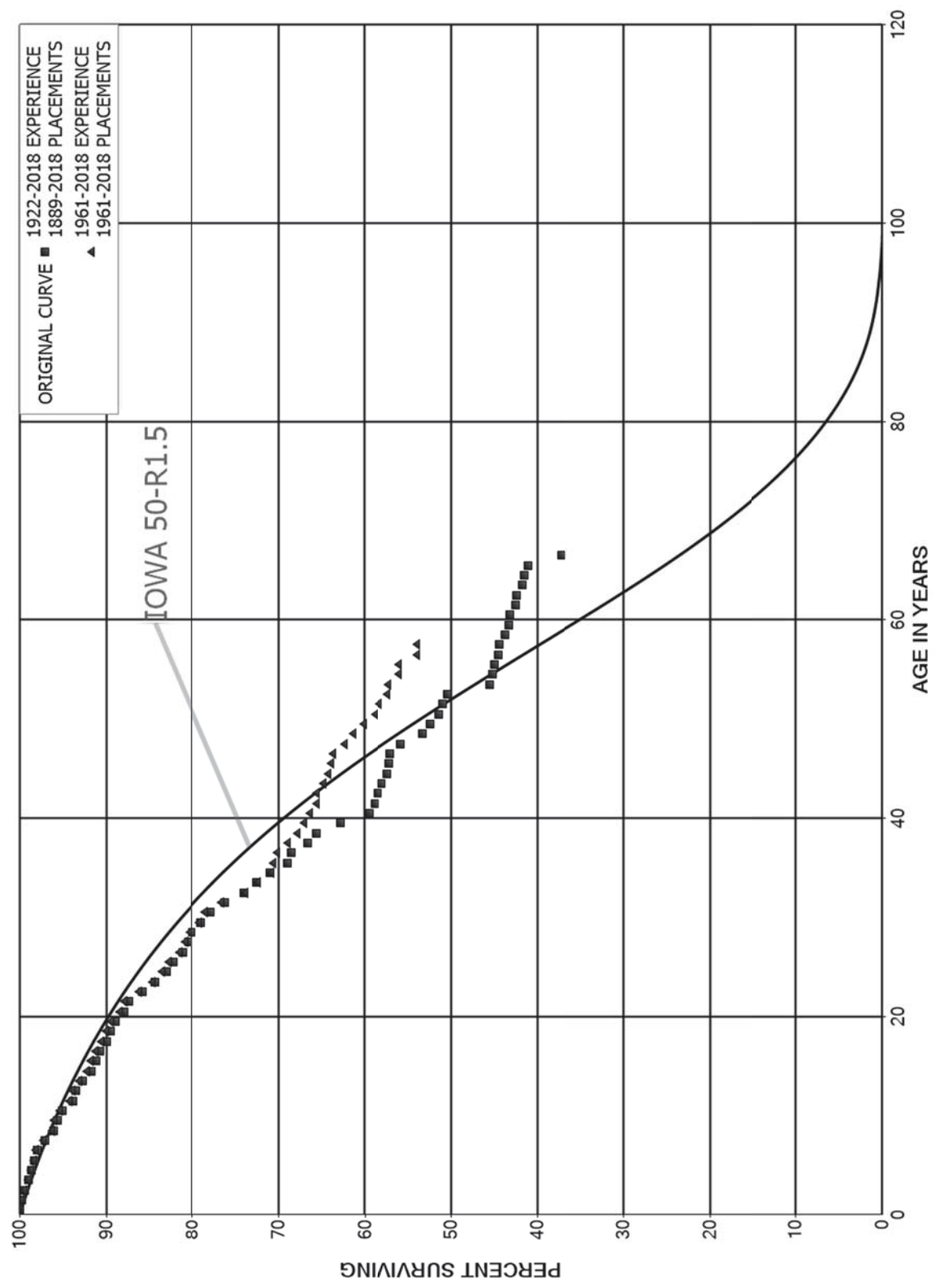
AMEREN MISSOURI

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1889-1960			EXPERIENCE BAND 1922-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	465,370	718	0.0015	0.9985	16.90	
80.5	462,058	68,012	0.1472	0.8528	16.87	
81.5	357,895	20,110	0.0562	0.9438	14.39	
82.5	336,326		0.0000	1.0000	13.58	
83.5	334,529	3,339	0.0100	0.9900	13.58	
84.5	331,190		0.0000	1.0000	13.44	
85.5	330,884		0.0000	1.0000	13.44	
86.5	330,611		0.0000	1.0000	13.44	
87.5	326,506		0.0000	1.0000	13.44	
88.5	123,277		0.0000	1.0000	13.44	
89.5	106,491		0.0000	1.0000	13.44	
90.5	106,491		0.0000	1.0000	13.44	
91.5	106,491		0.0000	1.0000	13.44	
92.5	106,491		0.0000	1.0000	13.44	
93.5	106,491		0.0000	1.0000	13.44	
94.5	105,322		0.0000	1.0000	13.44	
95.5	105,322		0.0000	1.0000	13.44	
96.5	105,322		0.0000	1.0000	13.44	
97.5	104,800	11,073	0.1057	0.8943	13.44	
98.5	93,727		0.0000	1.0000	12.02	
99.5	93,727		0.0000	1.0000	12.02	
100.5	93,727		0.0000	1.0000	12.02	
101.5	5,620		0.0000	1.0000	12.02	
102.5	5,620		0.0000	1.0000	12.02	
103.5	5,620		0.0000	1.0000	12.02	
104.5	5,620		0.0000	1.0000	12.02	
105.5	2,985		0.0000	1.0000	12.02	
106.5	2,985		0.0000	1.0000	12.02	
107.5	2,985		0.0000	1.0000	12.02	
108.5					12.02	

AMEREN MISSOURI
 ACCOUNT 390 STRUCTURES AND IMPROVEMENTS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1889-2018

EXPERIENCE BAND 1922-2018

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	327,198,383	31,258	0.0001	0.9999	100.00
0.5	312,550,261	970,668	0.0031	0.9969	99.99
1.5	295,814,934	805,278	0.0027	0.9973	99.68
2.5	278,005,184	1,254,218	0.0045	0.9955	99.41
3.5	271,711,978	1,097,227	0.0040	0.9960	98.96
4.5	254,420,264	734,549	0.0029	0.9971	98.56
5.5	250,590,322	981,919	0.0039	0.9961	98.28
6.5	246,150,195	2,148,240	0.0087	0.9913	97.89
7.5	235,082,388	2,280,462	0.0097	0.9903	97.04
8.5	224,935,716	1,065,047	0.0047	0.9953	96.10
9.5	211,454,732	1,387,346	0.0066	0.9934	95.64
10.5	200,238,309	2,372,064	0.0118	0.9882	95.01
11.5	189,967,622	856,623	0.0045	0.9955	93.89
12.5	183,742,310	1,486,879	0.0081	0.9919	93.46
13.5	168,685,740	1,709,571	0.0101	0.9899	92.71
14.5	164,928,087	969,766	0.0059	0.9941	91.77
15.5	162,212,648	984,863	0.0061	0.9939	91.23
16.5	159,198,094	1,204,974	0.0076	0.9924	90.67
17.5	156,005,396	831,868	0.0053	0.9947	89.99
18.5	154,750,904	985,947	0.0064	0.9936	89.51
19.5	153,472,038	1,740,242	0.0113	0.9887	88.94
20.5	151,091,226	979,551	0.0065	0.9935	87.93
21.5	148,626,038	2,621,022	0.0176	0.9824	87.36
22.5	142,155,955	2,373,868	0.0167	0.9833	85.82
23.5	136,381,016	2,057,311	0.0151	0.9849	84.39
24.5	130,695,512	1,271,824	0.0097	0.9903	83.11
25.5	121,969,672	1,715,099	0.0141	0.9859	82.30
26.5	96,583,427	729,181	0.0075	0.9925	81.15
27.5	91,312,353	568,561	0.0062	0.9938	80.53
28.5	77,249,776	1,045,138	0.0135	0.9865	80.03
29.5	45,945,643	642,816	0.0140	0.9860	78.95
30.5	44,375,189	937,270	0.0211	0.9789	77.85
31.5	38,487,009	1,108,860	0.0288	0.9712	76.20
32.5	36,834,258	761,156	0.0207	0.9793	74.01
33.5	33,510,099	690,377	0.0206	0.9794	72.48
34.5	31,751,802	891,890	0.0281	0.9719	70.98
35.5	29,178,138	208,982	0.0072	0.9928	68.99
36.5	28,459,895	765,762	0.0269	0.9731	68.50
37.5	25,971,771	404,591	0.0156	0.9844	66.65
38.5	25,414,959	1,058,298	0.0416	0.9584	65.61

AMEREN MISSOURI

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1889-2018			EXPERIENCE BAND 1922-2018		
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	22,705,146	1,210,637	0.0533	0.9467	62.88
40.5	20,652,183	255,786	0.0124	0.9876	59.53
41.5	19,251,736	98,710	0.0051	0.9949	58.79
42.5	18,709,938	135,338	0.0072	0.9928	58.49
43.5	17,944,264	221,818	0.0124	0.9876	58.07
44.5	17,678,721	59,533	0.0034	0.9966	57.35
45.5	17,229,878	43,547	0.0025	0.9975	57.16
46.5	17,059,563	342,168	0.0201	0.9799	57.01
47.5	15,851,358	723,305	0.0456	0.9544	55.87
48.5	14,870,090	256,292	0.0172	0.9828	53.32
49.5	13,441,753	248,800	0.0185	0.9815	52.40
50.5	13,115,688	122,786	0.0094	0.9906	51.43
51.5	12,522,545	122,601	0.0098	0.9902	50.95
52.5	8,800,057	867,407	0.0986	0.9014	50.45
53.5	7,634,076	58,899	0.0077	0.9923	45.48
54.5	6,444,285	26,280	0.0041	0.9959	45.13
55.5	6,304,879	56,352	0.0089	0.9911	44.94
56.5	5,061,565	14,331	0.0028	0.9972	44.54
57.5	5,029,631	76,555	0.0152	0.9848	44.41
58.5	4,862,440	52,145	0.0107	0.9893	43.74
59.5	4,469,714	7,969	0.0018	0.9982	43.27
60.5	3,997,680	61,434	0.0154	0.9846	43.19
61.5	3,799,767	10,560	0.0028	0.9972	42.53
62.5	2,802,082	44,435	0.0159	0.9841	42.41
63.5	2,837,684	17,453	0.0062	0.9938	41.74
64.5	2,654,995	26,347	0.0099	0.9901	41.48
65.5	2,625,828	249,249	0.0949	0.9051	41.07
66.5	857,243		0.0000	1.0000	37.17
67.5	854,332	3,927	0.0046	0.9954	37.17
68.5	826,344		0.0000	1.0000	37.00
69.5	819,245	1,654	0.0020	0.9980	37.00
70.5	790,261	1,066	0.0013	0.9987	36.93
71.5	797,530		0.0000	1.0000	36.88
72.5	807,082	167,523	0.2076	0.7924	36.88
73.5	637,524	125,034	0.1961	0.8039	29.22
74.5	508,381	5,486	0.0108	0.9892	23.49
75.5	493,650		0.0000	1.0000	23.24
76.5	487,718		0.0000	1.0000	23.24
77.5	482,004		0.0000	1.0000	23.24
78.5	467,491	241	0.0005	0.9995	23.24

AMEREN MISSOURI

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1889-2018			EXPERIENCE BAND 1922-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	465,370	718	0.0015	0.9985	23.22	
80.5	462,058	68,012	0.1472	0.8528	23.19	
81.5	357,895	20,110	0.0562	0.9438	19.78	
82.5	336,326		0.0000	1.0000	18.66	
83.5	334,529	3,339	0.0100	0.9900	18.66	
84.5	331,190		0.0000	1.0000	18.48	
85.5	330,884		0.0000	1.0000	18.48	
86.5	330,611		0.0000	1.0000	18.48	
87.5	326,506		0.0000	1.0000	18.48	
88.5	123,277		0.0000	1.0000	18.48	
89.5	106,491		0.0000	1.0000	18.48	
90.5	106,491		0.0000	1.0000	18.48	
91.5	106,491		0.0000	1.0000	18.48	
92.5	106,491		0.0000	1.0000	18.48	
93.5	106,491		0.0000	1.0000	18.48	
94.5	105,322		0.0000	1.0000	18.48	
95.5	105,322		0.0000	1.0000	18.48	
96.5	105,322		0.0000	1.0000	18.48	
97.5	104,800	11,073	0.1057	0.8943	18.48	
98.5	93,727		0.0000	1.0000	16.53	
99.5	93,727		0.0000	1.0000	16.53	
100.5	93,727		0.0000	1.0000	16.53	
101.5	5,620		0.0000	1.0000	16.53	
102.5	5,620		0.0000	1.0000	16.53	
103.5	5,620		0.0000	1.0000	16.53	
104.5	5,620		0.0000	1.0000	16.53	
105.5	2,985		0.0000	1.0000	16.53	
106.5	2,985		0.0000	1.0000	16.53	
107.5	2,985		0.0000	1.0000	16.53	
108.5					16.53	

AMEREN MISSOURI

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1961-2018

EXPERIENCE BAND 1961-2018

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	312,989,930	9,692	0.0000	1.0000	100.00
0.5	298,360,397	964,072	0.0032	0.9968	100.00
1.5	281,618,262	795,476	0.0028	0.9972	99.67
2.5	263,808,246	1,224,893	0.0046	0.9954	99.39
3.5	257,544,262	959,784	0.0037	0.9963	98.93
4.5	240,290,173	552,938	0.0023	0.9977	98.56
5.5	236,640,781	737,935	0.0031	0.9969	98.34
6.5	232,408,429	2,040,039	0.0088	0.9912	98.03
7.5	221,448,823	2,157,719	0.0097	0.9903	97.17
8.5	210,573,564	722,558	0.0034	0.9966	96.22
9.5	197,434,431	1,274,209	0.0065	0.9935	95.89
10.5	186,330,816	2,176,356	0.0117	0.9883	95.27
11.5	176,252,853	587,499	0.0033	0.9967	94.16
12.5	170,296,377	1,358,222	0.0080	0.9920	93.85
13.5	155,368,464	1,514,401	0.0097	0.9903	93.10
14.5	151,805,403	777,633	0.0051	0.9949	92.19
15.5	149,282,096	906,470	0.0061	0.9939	91.72
16.5	146,345,935	1,129,174	0.0077	0.9923	91.16
17.5	143,227,620	766,829	0.0054	0.9946	90.46
18.5	142,038,166	911,017	0.0064	0.9936	89.97
19.5	140,834,230	1,661,961	0.0118	0.9882	89.40
20.5	138,531,699	879,151	0.0063	0.9937	88.34
21.5	136,091,705	2,552,482	0.0188	0.9812	87.78
22.5	129,547,493	2,288,708	0.0177	0.9823	86.13
23.5	123,857,714	1,595,195	0.0129	0.9871	84.61
24.5	118,634,326	1,191,727	0.0100	0.9900	83.52
25.5	109,988,584	1,588,982	0.0144	0.9856	82.68
26.5	84,728,455	702,581	0.0083	0.9917	81.49
27.5	79,483,982	523,537	0.0066	0.9934	80.81
28.5	65,466,428	993,309	0.0152	0.9848	80.28
29.5	34,214,124	275,121	0.0080	0.9920	79.06
30.5	33,011,365	806,685	0.0244	0.9756	78.43
31.5	27,253,771	1,009,450	0.0370	0.9630	76.51
32.5	25,697,527	473,333	0.0184	0.9816	73.68
33.5	22,661,191	496,781	0.0219	0.9781	72.32
34.5	21,096,490	60,879	0.0029	0.9971	70.73
35.5	19,353,837	137,508	0.0071	0.9929	70.53
36.5	18,707,068	310,744	0.0166	0.9834	70.03
37.5	16,673,962	281,807	0.0169	0.9831	68.87
38.5	16,239,934	179,849	0.0111	0.9889	67.70

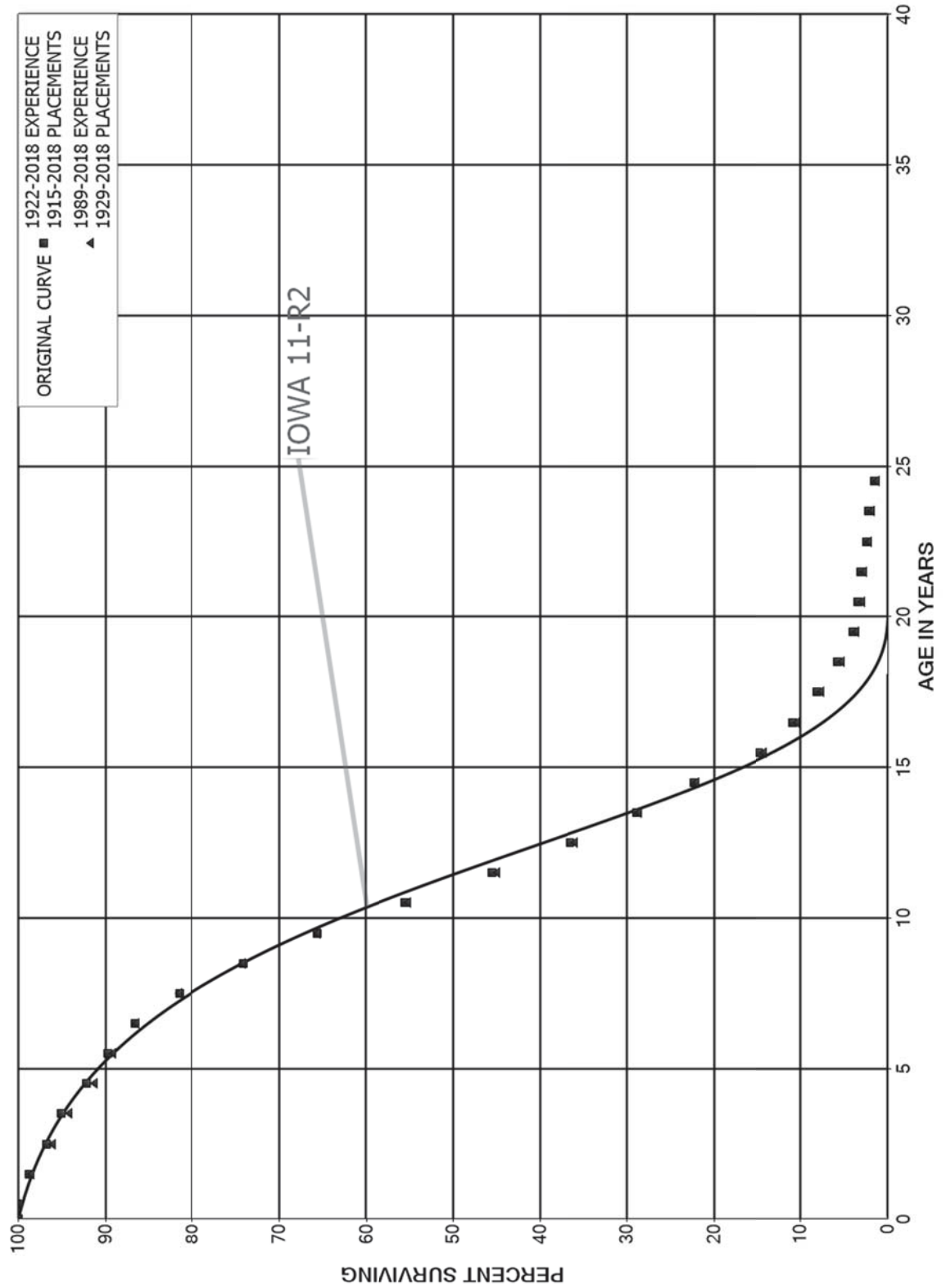
AMEREN MISSOURI

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1961-2018			EXPERIENCE BAND 1961-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	14,408,570	149,951	0.0104	0.9896	66.95
40.5	13,416,293	143,364	0.0107	0.9893	66.26
41.5	12,098,719	14,216	0.0012	0.9988	65.55
42.5	11,657,102	123,517	0.0106	0.9894	65.47
43.5	10,972,370	107,959	0.0098	0.9902	64.78
44.5	10,748,407	54,400	0.0051	0.9949	64.14
45.5	10,304,697	38,644	0.0038	0.9962	63.81
46.5	10,062,499	200,704	0.0199	0.9801	63.58
47.5	9,072,543	142,640	0.0157	0.9843	62.31
48.5	8,673,101	175,408	0.0202	0.9798	61.33
49.5	7,325,717	161,765	0.0221	0.9779	60.09
50.5	7,090,085	60,951	0.0086	0.9914	58.76
51.5	6,563,560	108,740	0.0166	0.9834	58.26
52.5	2,854,933	8,091	0.0028	0.9972	57.29
53.5	2,548,268	54,130	0.0212	0.9788	57.13
54.5	1,363,245		0.0000	1.0000	55.91
55.5	1,250,120	47,170	0.0377	0.9623	55.91
56.5	16,607		0.0000	1.0000	53.80
57.5					53.80

AMEREN MISSOURI
 ACCOUNT 392 TRANSPORTATION EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 392 TRANSPORTATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1915-2018

EXPERIENCE BAND 1922-2018

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	370,176,545	16,185	0.0000	1.0000	100.00
0.5	360,631,401	4,475,536	0.0124	0.9876	100.00
1.5	340,502,984	6,846,705	0.0201	0.9799	98.75
2.5	321,720,658	5,763,022	0.0179	0.9821	96.77
3.5	303,414,857	9,036,307	0.0298	0.9702	95.04
4.5	283,504,044	7,713,292	0.0272	0.9728	92.21
5.5	264,326,688	9,042,176	0.0342	0.9658	89.70
6.5	241,388,617	14,176,075	0.0587	0.9413	86.63
7.5	209,647,885	19,285,099	0.0920	0.9080	81.54
8.5	176,516,953	20,207,589	0.1145	0.8855	74.04
9.5	148,218,080	22,695,326	0.1531	0.8469	65.56
10.5	121,560,561	21,982,936	0.1808	0.8192	55.52
11.5	91,501,471	18,014,135	0.1969	0.8031	45.48
12.5	70,936,658	15,002,052	0.2115	0.7885	36.53
13.5	55,937,251	12,594,634	0.2252	0.7748	28.80
14.5	42,749,846	14,590,351	0.3413	0.6587	22.32
15.5	28,307,676	7,401,332	0.2615	0.7385	14.70
16.5	19,646,537	5,096,301	0.2594	0.7406	10.86
17.5	14,352,637	4,048,978	0.2821	0.7179	8.04
18.5	10,734,711	3,284,068	0.3059	0.6941	5.77
19.5	7,426,015	1,222,510	0.1646	0.8354	4.01
20.5	6,192,879	534,345	0.0863	0.9137	3.35
21.5	5,662,996	1,152,414	0.2035	0.7965	3.06
22.5	4,461,449	494,257	0.1108	0.8892	2.44
23.5	3,584,475	1,080,442	0.3014	0.6986	2.17
24.5	2,444,638	264,197	0.1081	0.8919	1.51
25.5	2,171,236	137,724	0.0634	0.9366	1.35
26.5	1,849,082	349,755	0.1892	0.8108	1.26
27.5	1,272,665	196,299	0.1542	0.8458	1.02
28.5	1,048,377	93,339	0.0890	0.9110	0.87
29.5	940,042	166,738	0.1774	0.8226	0.79
30.5	734,628	100,091	0.1362	0.8638	0.65
31.5	605,948	51,673	0.0853	0.9147	0.56
32.5	484,123	73,929	0.1527	0.8473	0.51
33.5	417,487	52,918	0.1268	0.8732	0.43
34.5	393,795	76,178	0.1934	0.8066	0.38
35.5	317,618	37,557	0.1182	0.8818	0.31
36.5	284,038	37,001	0.1303	0.8697	0.27
37.5	261,351	37,489	0.1434	0.8566	0.23
38.5	167,696	19,649	0.1172	0.8828	0.20

AMEREN MISSOURI

ACCOUNT 392 TRANSPORTATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1915-2018			EXPERIENCE BAND 1922-2018			
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	129,207	9,678	0.0749	0.9251	0.18	
40.5	119,529	11,951	0.1000	0.9000	0.16	
41.5	101,698	8,542	0.0840	0.9160	0.15	
42.5	104,655	26,543	0.2536	0.7464	0.14	
43.5	72,232	14,259	0.1974	0.8026	0.10	
44.5	59,882	12,524	0.2091	0.7909	0.08	
45.5	47,358	15,490	0.3271	0.6729	0.06	
46.5	33,777	4,432	0.1312	0.8688	0.04	
47.5	29,345	5,069	0.1727	0.8273	0.04	
48.5	24,276	155	0.0064	0.9936	0.03	
49.5	24,121	1,038	0.0430	0.9570	0.03	
50.5	23,083	3,294	0.1427	0.8573	0.03	
51.5	19,789	3,276	0.1656	0.8344	0.03	
52.5	16,513	6,580	0.3985	0.6015	0.02	
53.5	11,839	1,177	0.0994	0.9006	0.01	
54.5	10,662	643	0.0603	0.9397	0.01	
55.5	10,019	1,809	0.1806	0.8194	0.01	
56.5	8,210	1,837	0.2238	0.7762	0.01	
57.5	18,542		0.0000	1.0000	0.01	
58.5	18,542	2,582	0.1393	0.8607	0.01	
59.5	15,960	63	0.0039	0.9961	0.01	
60.5	15,897	1,177	0.0740	0.9260	0.01	
61.5	14,720		0.0000	1.0000	0.01	
62.5	14,720	13,037	0.8857	0.1143	0.01	
63.5	1,683		0.0000	1.0000	0.00	
64.5	1,683		0.0000	1.0000	0.00	
65.5	1,683		0.0000	1.0000	0.00	
66.5	1,683		0.0000	1.0000	0.00	
67.5	1,683		0.0000	1.0000	0.00	
68.5	1,683		0.0000	1.0000	0.00	
69.5	1,683		0.0000	1.0000	0.00	
70.5	1,683		0.0000	1.0000	0.00	
71.5	1,683		0.0000	1.0000	0.00	
72.5	1,683		0.0000	1.0000	0.00	
73.5	1,683		0.0000	1.0000	0.00	
74.5	1,683		0.0000	1.0000	0.00	
75.5	1,683		0.0000	1.0000	0.00	
76.5	1,683		0.0000	1.0000	0.00	
77.5	1,683		0.0000	1.0000	0.00	
78.5	1,683		0.0000	1.0000	0.00	

AMEREN MISSOURI

ACCOUNT 392 TRANSPORTATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1915-2018			EXPERIENCE BAND 1922-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,683		0.0000	1.0000	0.00
80.5	1,683		0.0000	1.0000	0.00
81.5	1,683		0.0000	1.0000	0.00
82.5	1,683		0.0000	1.0000	0.00
83.5	1,683		0.0000	1.0000	0.00
84.5	1,683		0.0000	1.0000	0.00
85.5	1,683		0.0000	1.0000	0.00
86.5	1,683		0.0000	1.0000	0.00
87.5	1,683		0.0000	1.0000	0.00
88.5	1,683		0.0000	1.0000	0.00
89.5					0.00

AMEREN MISSOURI

ACCOUNT 392 TRANSPORTATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1929-2018

EXPERIENCE BAND 1989-2018

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	276,851,839		0.0000	1.0000	100.00
0.5	278,802,833	4,388,347	0.0157	0.9843	100.00
1.5	270,426,651	6,676,403	0.0247	0.9753	98.43
2.5	258,897,658	5,147,393	0.0199	0.9801	96.00
3.5	250,854,548	7,706,263	0.0307	0.9693	94.09
4.5	239,107,577	5,707,067	0.0239	0.9761	91.20
5.5	227,845,946	6,669,294	0.0293	0.9707	89.02
6.5	213,188,628	12,111,237	0.0568	0.9432	86.41
7.5	188,819,383	17,248,832	0.0914	0.9086	81.51
8.5	159,419,330	18,390,624	0.1154	0.8846	74.06
9.5	134,877,291	21,419,180	0.1588	0.8412	65.52
10.5	110,517,634	20,679,626	0.1871	0.8129	55.11
11.5	81,942,845	16,324,970	0.1992	0.8008	44.80
12.5	63,565,990	13,091,399	0.2059	0.7941	35.87
13.5	50,903,183	11,707,090	0.2300	0.7700	28.49
14.5	39,036,081	14,052,507	0.3600	0.6400	21.93
15.5	25,328,473	6,783,776	0.2678	0.7322	14.04
16.5	17,465,616	4,704,891	0.2694	0.7306	10.28
17.5	12,678,308	3,897,472	0.3074	0.6926	7.51
18.5	9,436,916	3,163,331	0.3352	0.6648	5.20
19.5	6,333,294	1,085,924	0.1715	0.8285	3.46
20.5	5,368,476	492,218	0.0917	0.9083	2.86
21.5	4,918,368	1,111,112	0.2259	0.7741	2.60
22.5	3,829,400	481,164	0.1256	0.8744	2.01
23.5	3,068,537	1,060,484	0.3456	0.6544	1.76
24.5	1,995,594	255,895	0.1282	0.8718	1.15
25.5	1,746,389	126,472	0.0724	0.9276	1.00
26.5	1,464,524	334,255	0.2282	0.7718	0.93
27.5	911,896	172,703	0.1894	0.8106	0.72
28.5	771,591	83,943	0.1088	0.8912	0.58
29.5	733,857	147,582	0.2011	0.7989	0.52
30.5	574,897	98,090	0.1706	0.8294	0.42
31.5	462,447	47,886	0.1035	0.8965	0.34
32.5	364,344	72,622	0.1993	0.8007	0.31
33.5	308,423	51,389	0.1666	0.8334	0.25
34.5	296,101	73,890	0.2495	0.7505	0.21
35.5	225,281	36,069	0.1601	0.8399	0.15
36.5	197,183	34,437	0.1746	0.8254	0.13
37.5	179,597	32,210	0.1793	0.8207	0.11
38.5	97,100	18,302	0.1885	0.8115	0.09

AMEREN MISSOURI

ACCOUNT 392 TRANSPORTATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1929-2018			EXPERIENCE BAND 1989-2018			
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	80,058	9,034	0.1128	0.8872	0.07	
40.5	80,862	6,699	0.0828	0.9172	0.06	
41.5	80,482	8,542	0.1061	0.8939	0.06	
42.5	95,309	26,543	0.2785	0.7215	0.05	
43.5	63,064	14,259	0.2261	0.7739	0.04	
44.5	50,714	12,524	0.2470	0.7530	0.03	
45.5	38,190	15,490	0.4056	0.5944	0.02	
46.5	25,356	4,432	0.1748	0.8252	0.01	
47.5	24,218	5,069	0.2093	0.7907	0.01	
48.5	19,149	155	0.0081	0.9919	0.01	
49.5	19,153	906	0.0473	0.9527	0.01	
50.5	18,247	3,294	0.1805	0.8195	0.01	
51.5	16,006	3,276	0.2047	0.7953	0.01	
52.5	12,729	6,580	0.5169	0.4831	0.01	
53.5	8,056	1,177	0.1461	0.8539	0.00	
54.5	6,879	643	0.0935	0.9065	0.00	
55.5	6,236	1,809	0.2901	0.7099	0.00	
56.5	4,427	958	0.2165	0.7835	0.00	
57.5	15,638		0.0000	1.0000	0.00	
58.5	15,638	2,291	0.1465	0.8535	0.00	
59.5	15,960	63	0.0039	0.9961	0.00	
60.5	15,897	1,177	0.0740	0.9260	0.00	
61.5	14,720		0.0000	1.0000	0.00	
62.5	14,720	13,037	0.8857	0.1143	0.00	
63.5	1,683		0.0000	1.0000	0.00	
64.5	1,683		0.0000	1.0000	0.00	
65.5	1,683		0.0000	1.0000	0.00	
66.5	1,683		0.0000	1.0000	0.00	
67.5	1,683		0.0000	1.0000	0.00	
68.5	1,683		0.0000	1.0000	0.00	
69.5	1,683		0.0000	1.0000	0.00	
70.5	1,683		0.0000	1.0000	0.00	
71.5	1,683		0.0000	1.0000	0.00	
72.5	1,683		0.0000	1.0000	0.00	
73.5	1,683		0.0000	1.0000	0.00	
74.5	1,683		0.0000	1.0000	0.00	
75.5	1,683		0.0000	1.0000	0.00	
76.5	1,683		0.0000	1.0000	0.00	
77.5	1,683		0.0000	1.0000	0.00	
78.5	1,683		0.0000	1.0000	0.00	

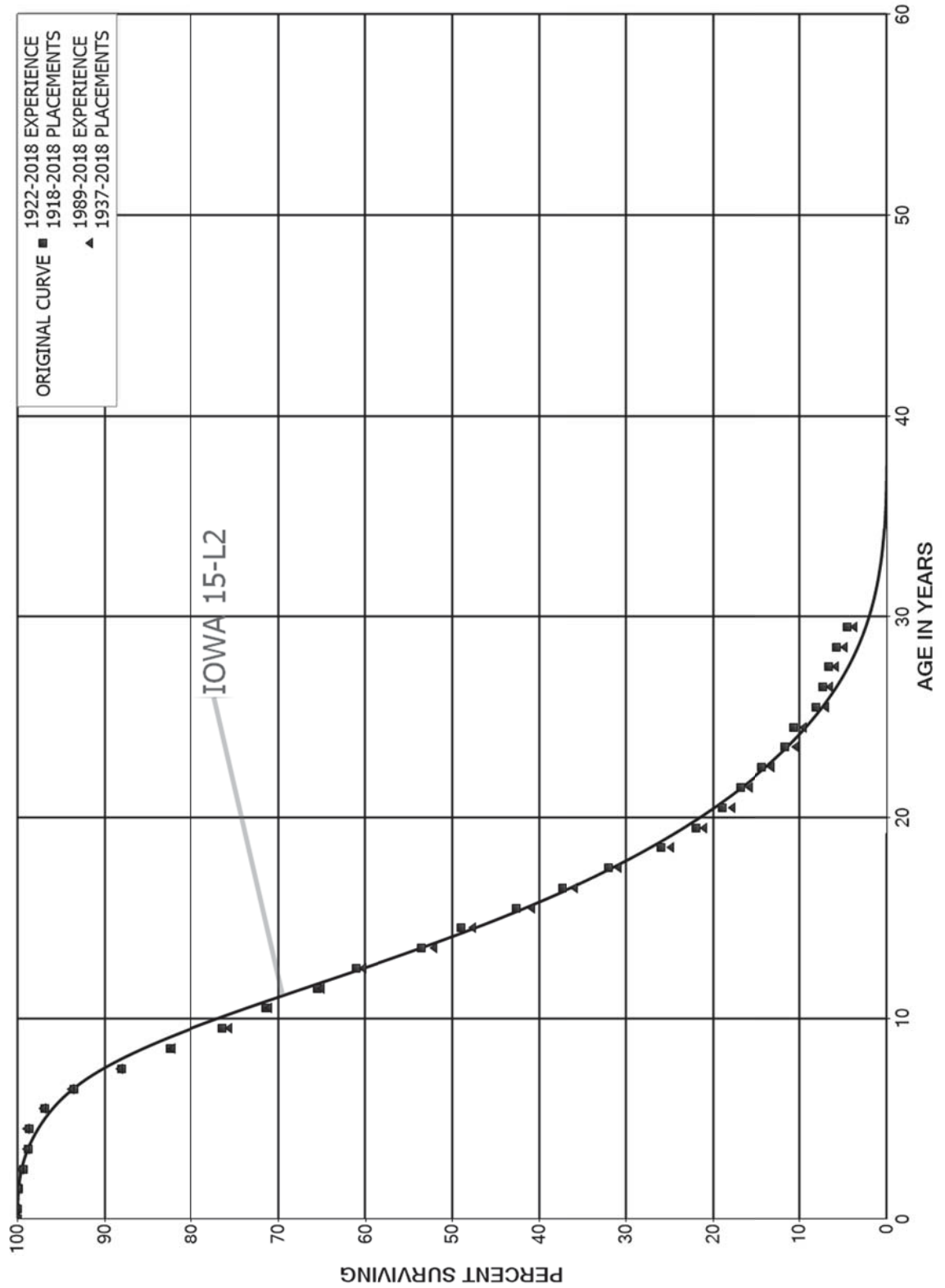
AMEREN MISSOURI

ACCOUNT 392 TRANSPORTATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1929-2018			EXPERIENCE BAND 1989-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,683		0.0000	1.0000	0.00
80.5	1,683		0.0000	1.0000	0.00
81.5	1,683		0.0000	1.0000	0.00
82.5	1,683		0.0000	1.0000	0.00
83.5	1,683		0.0000	1.0000	0.00
84.5	1,683		0.0000	1.0000	0.00
85.5	1,683		0.0000	1.0000	0.00
86.5	1,683		0.0000	1.0000	0.00
87.5	1,683		0.0000	1.0000	0.00
88.5	1,683		0.0000	1.0000	0.00
89.5					0.00

AMEREN MISSOURI
 ACCOUNT 396 POWER OPERATED EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



AMEREN MISSOURI

ACCOUNT 396 POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1918-2018

EXPERIENCE BAND 1922-2018

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	36,558,238		0.0000	1.0000	100.00
0.5	35,220,980	69,462	0.0020	0.9980	100.00
1.5	36,967,150	204,865	0.0055	0.9945	99.80
2.5	35,316,346	189,684	0.0054	0.9946	99.25
3.5	34,614,758	37,845	0.0011	0.9989	98.72
4.5	34,210,540	608,289	0.0178	0.9822	98.61
5.5	32,453,257	1,120,062	0.0345	0.9655	96.86
6.5	29,204,375	1,692,183	0.0579	0.9421	93.51
7.5	25,739,199	1,642,612	0.0638	0.9362	88.09
8.5	23,317,926	1,720,868	0.0738	0.9262	82.47
9.5	21,307,888	1,385,362	0.0650	0.9350	76.39
10.5	19,874,333	1,645,084	0.0828	0.9172	71.42
11.5	17,253,169	1,181,467	0.0685	0.9315	65.51
12.5	15,717,019	1,939,000	0.1234	0.8766	61.02
13.5	13,097,341	1,123,932	0.0858	0.9142	53.49
14.5	11,310,849	1,452,182	0.1284	0.8716	48.90
15.5	9,056,898	1,142,870	0.1262	0.8738	42.62
16.5	8,048,084	1,136,357	0.1412	0.8588	37.25
17.5	6,655,320	1,257,900	0.1890	0.8110	31.99
18.5	5,245,809	813,786	0.1551	0.8449	25.94
19.5	4,345,332	594,344	0.1368	0.8632	21.92
20.5	3,619,769	398,040	0.1100	0.8900	18.92
21.5	3,260,176	494,139	0.1516	0.8484	16.84
22.5	2,737,562	513,604	0.1876	0.8124	14.29
23.5	2,214,621	189,136	0.0854	0.9146	11.61
24.5	1,829,963	444,682	0.2430	0.7570	10.61
25.5	1,235,298	114,923	0.0930	0.9070	8.04
26.5	1,019,460	101,796	0.0999	0.9001	7.29
27.5	914,782	123,185	0.1347	0.8653	6.56
28.5	806,003	161,685	0.2006	0.7994	5.68
29.5	629,766	43,726	0.0694	0.9306	4.54
30.5	534,299	18,736	0.0351	0.9649	4.22
31.5	501,003	23,259	0.0464	0.9536	4.07
32.5	475,072	22,829	0.0481	0.9519	3.89
33.5	443,359	44,806	0.1011	0.8989	3.70
34.5	337,312	50,396	0.1494	0.8506	3.33
35.5	260,516	29,633	0.1137	0.8863	2.83
36.5	205,545	38,861	0.1891	0.8109	2.51
37.5	161,167	55,531	0.3446	0.6554	2.03
38.5	105,636	14,954	0.1416	0.8584	1.33

AMEREN MISSOURI

ACCOUNT 396 POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1918-2018			EXPERIENCE BAND 1922-2018			
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	87,889	7,185	0.0818	0.9182	1.14	
40.5	75,683	6,468	0.0855	0.9145	1.05	
41.5	69,214	5,075	0.0733	0.9267	0.96	
42.5	64,140	23,033	0.3591	0.6409	0.89	
43.5	41,107	0	0.0000	1.0000	0.57	
44.5	41,107	3,566	0.0867	0.9133	0.57	
45.5	22,162	219	0.0099	0.9901	0.52	
46.5	21,943	11,743	0.5352	0.4648	0.52	
47.5	10,200	2,068	0.2027	0.7973	0.24	
48.5	8,132	0	0.0000	1.0000	0.19	
49.5	8,132		0.0000	1.0000	0.19	
50.5	8,132		0.0000	1.0000	0.19	
51.5	8,132		0.0000	1.0000	0.19	
52.5	922		0.0000	1.0000	0.19	
53.5	922	247	0.2679	0.7321	0.19	
54.5	675		0.0000	1.0000	0.14	
55.5	675		0.0000	1.0000	0.14	
56.5	675		0.0000	1.0000	0.14	
57.5	675		0.0000	1.0000	0.14	
58.5	675		0.0000	1.0000	0.14	
59.5	675		0.0000	1.0000	0.14	
60.5	675	675	1.0000		0.14	
61.5						

AMEREN MISSOURI

ACCOUNT 396 POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1937-2018

EXPERIENCE BAND 1989-2018

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	22,348,698		0.0000	1.0000	100.00
0.5	23,480,342	55,701	0.0024	0.9976	100.00
1.5	26,196,500	60,464	0.0023	0.9977	99.76
2.5	25,472,419	181,135	0.0071	0.9929	99.53
3.5	25,262,417	10,484	0.0004	0.9996	98.82
4.5	25,176,128	471,953	0.0187	0.9813	98.78
5.5	24,476,680	803,451	0.0328	0.9672	96.93
6.5	21,944,483	1,292,802	0.0589	0.9411	93.75
7.5	19,558,648	1,332,503	0.0681	0.9319	88.23
8.5	18,018,815	1,470,627	0.0816	0.9184	82.22
9.5	16,767,513	1,022,219	0.0610	0.9390	75.51
10.5	16,197,856	1,366,124	0.0843	0.9157	70.90
11.5	13,980,430	1,018,788	0.0729	0.9271	64.92
12.5	12,724,151	1,737,250	0.1365	0.8635	60.19
13.5	10,514,330	912,953	0.0868	0.9132	51.97
14.5	9,183,258	1,308,329	0.1425	0.8575	47.46
15.5	7,360,037	899,560	0.1222	0.8778	40.70
16.5	6,754,460	943,544	0.1397	0.8603	35.72
17.5	5,712,161	1,124,289	0.1968	0.8032	30.73
18.5	4,483,462	683,798	0.1525	0.8475	24.69
19.5	3,728,758	566,530	0.1519	0.8481	20.92
20.5	3,043,383	341,405	0.1122	0.8878	17.74
21.5	2,820,799	479,642	0.1700	0.8300	15.75
22.5	2,347,188	491,891	0.2096	0.7904	13.07
23.5	1,903,538	179,369	0.0942	0.9058	10.33
24.5	1,619,770	435,598	0.2689	0.7311	9.36
25.5	1,034,746	75,113	0.0726	0.9274	6.84
26.5	864,006	91,708	0.1061	0.8939	6.35
27.5	771,007	123,185	0.1598	0.8402	5.67
28.5	666,717	161,685	0.2425	0.7575	4.77
29.5	524,445	43,684	0.0833	0.9167	3.61
30.5	442,563	11,180	0.0253	0.9747	3.31
31.5	437,089	21,981	0.0503	0.9497	3.23
32.5	413,978	22,829	0.0551	0.9449	3.06
33.5	386,867	17,315	0.0448	0.9552	2.89
34.5	308,311	50,396	0.1635	0.8365	2.77
35.5	231,515	20,575	0.0889	0.9111	2.31
36.5	189,552	38,861	0.2050	0.7950	2.11
37.5	145,174	55,217	0.3803	0.6197	1.68
38.5	89,957	14,227	0.1582	0.8418	1.04

AMEREN MISSOURI

ACCOUNT 396 POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1937-2018			EXPERIENCE BAND 1989-2018			
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	72,937	7,185	0.0985	0.9015	0.87	
40.5	60,731	6,468	0.1065	0.8935	0.79	
41.5	54,262	5,075	0.0935	0.9065	0.70	
42.5	49,436	23,033	0.4659	0.5341	0.64	
43.5	26,403	0	0.0000	1.0000	0.34	
44.5	26,403	3,566	0.1350	0.8650	0.34	
45.5	7,458	0	0.0000	1.0000	0.29	
46.5	19,448	11,743	0.6038	0.3962	0.29	
47.5	7,705	248	0.0322	0.9678	0.12	
48.5	7,457	0	0.0000	1.0000	0.11	
49.5	7,457		0.0000	1.0000	0.11	
50.5	7,457		0.0000	1.0000	0.11	
51.5	8,132		0.0000	1.0000	0.11	
52.5	922		0.0000	1.0000	0.11	
53.5	922	247	0.2679	0.7321	0.11	
54.5	675		0.0000	1.0000	0.08	
55.5	675		0.0000	1.0000	0.08	
56.5	675		0.0000	1.0000	0.08	
57.5	675		0.0000	1.0000	0.08	
58.5	675		0.0000	1.0000	0.08	
59.5	675		0.0000	1.0000	0.08	
60.5	675	675	1.0000		0.08	
61.5						

PART VIII. NET SALVAGE STATISTICS

AMEREN MISSOURI

CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2018

ACCOUNT (1)	TERMINAL RETIREMENTS		INTERIM RETIREMENTS		TOTAL NET SALVAGE		ESTIMATED NET SALVAGE NET SALVAGE (10)=(8)/(9)
	RETIREMENTS (\$) (2)	NET SALVAGE (\$) (3)	RETIREMENTS (\$) (5)	NET SALVAGE (\$) (6)	TOTAL NET SALVAGE (\$) (8)=(3)+(7)	TOTAL RETIREMENTS (\$) (9)=(2)+(5)	
		(4)=(3)/(2)		(7)=(5)/(6)			(10)=(8)/(9)
STEAM PRODUCTION PLANT							
MERAMEC							
311 STRUCTURES AND IMPROVEMENTS	48,960,000	0	0	734,023	146,805	48,694,024	0
312 BOILER PLANT EQUIPMENT	434,653,371	0	0	14,796,667	3,699,167	449,450,037	(1)
314 TURBOGENERATOR UNITS	109,075,076	0	0	3,760,400	376,040	112,835,475	0
315 ACCESSORY ELECTRIC EQUIPMENT	56,748,924	0	0	1,094,771	109,477	57,843,695	0
316 MISCELLANEOUS POWER PLANT EQUIPMENT	9,498,013	0	0	543,508	-	10,042,922	0
TOTAL MERAMEC	658,936,385	-	0	20,929,769	4,331,488	679,866,154	(1)
SILOUX							
311 STRUCTURES AND IMPROVEMENTS	54,585,040	0	0	3,059,377	611,875	57,644,417	(1)
312 BOILER PLANT EQUIPMENT	833,096,373	0	0	126,082,332	31,520,558	959,178,604	(3)
314 TURBOGENERATOR UNITS	147,126,849	0	0	17,466,279	1,746,628	164,593,128	(1)
315 ACCESSORY ELECTRIC EQUIPMENT	118,445,247	0	0	9,379,751	937,975	127,824,998	(1)
316 MISCELLANEOUS POWER PLANT EQUIPMENT	10,426,077	0	0	3,338,385	-	13,764,462	0
TOTAL SILOUX	1,163,679,586	-	0	159,326,024	34,817,036	1,323,005,610	(3)
LABADIE							
311 STRUCTURES AND IMPROVEMENTS	118,101,218	0	0	11,856,866	2,371,373	129,958,084	(2)
312 BOILER PLANT EQUIPMENT	760,604,495	0	0	259,039,087	64,759,772	1,019,643,562	(6)
314 TURBOGENERATOR UNITS	193,107,596	0	0	60,504,614	6,050,461	253,612,210	(2)
315 ACCESSORY ELECTRIC EQUIPMENT	97,622,274	0	0	19,909,515	1,990,952	117,531,789	(2)
316 MISCELLANEOUS POWER PLANT EQUIPMENT	10,038,211	0	0	8,092,186	-	18,131,397	0
TOTAL LABADIE	1,179,474,794	-	0	359,402,289	75,172,558	1,538,877,063	(2)
RUSH ISLAND							
311 STRUCTURES AND IMPROVEMENTS	86,495,252	0	0	11,013,165	2,202,633	97,508,417	(2)
312 BOILER PLANT EQUIPMENT	383,895,918	0	0	161,188,938	40,297,235	544,885,657	(7)
314 TURBOGENERATOR UNITS	121,852,643	0	0	46,319,377	4,631,938	168,172,021	(3)
315 ACCESSORY ELECTRIC EQUIPMENT	45,312,541	0	0	10,746,945	1,074,694	56,059,486	(2)
316 MISCELLANEOUS POWER PLANT EQUIPMENT	7,757,567	0	0	6,644,616	-	14,402,183	0
TOTAL RUSH ISLAND	645,114,923	-	0	235,913,041	48,206,500	881,027,964	(2)
COMMON							
311 STRUCTURES AND IMPROVEMENTS	1,811,878	0	0	164,567	32,913	1,976,445	(2)
312 BOILER PLANT EQUIPMENT	27,835,196	0	0	8,459,923	2,114,981	36,395,109	(6)
315 ACCESSORY ELECTRIC EQUIPMENT	2,643,210	0	0	486,765	48,676	3,129,975	(2)
316 MISCELLANEOUS POWER PLANT EQUIPMENT	9,727	0	0	7,605	-	17,331	0
TOTAL COMMON	32,400,000	-	0	9,118,860	2,196,571	41,518,860	(2)
TOTAL STEAM PRODUCTION PLANT	3,679,605,687	-	0	784,689,963	164,724,153	4,464,295,650	(2)
NUCLEAR PRODUCTION PLANT							
CALLAWAY							
321 STRUCTURES AND IMPROVEMENTS	857,251,058	0	0	109,254,769	10,626,477	966,505,827	(1)
322 REACTOR PLANT EQUIPMENT	819,000,263	0	0	489,617,403	73,442,610	1,308,617,665	(6)
323 TURBOGENERATOR UNITS	312,346,644	0	0	234,836,364	23,483,636	547,183,008	(4)
324 ACCESSORY ELECTRIC EQUIPMENT	233,618,414	0	0	42,860,166	2,143,010	276,478,510	(1)
325 MISCELLANEOUS POWER PLANT EQUIPMENT	60,329,039	0	0	84,823,066	-	145,202,635	0
TOTAL CALLAWAY	2,282,595,418	-	0	961,392,228	109,994,734	3,243,987,646	(1)
TOTAL NUCLEAR PRODUCTION PLANT	2,282,595,418	-	0	961,392,228	109,994,734	3,243,987,646	(1)

AMEREN MISSOURI

CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2018

ACCOUNT (1)	TERMINAL RETIREMENTS		INTERIM RETIREMENTS		TOTAL NET SALVAGE		ESTIMATED NET SALVAGE NET SALVAGE (10)=(8)/(9)
	RETIREMENTS (\$) (2)	NET SALVAGE (\$) (3)	RETIREMENTS (\$) (5)	NET SALVAGE (\$) (6)	TOTAL NET SALVAGE (\$) (8)=(3)+(7)	TOTAL RETIREMENTS (\$) (9)=(2)+(5)	
		(4)=(3)/(2)		(7)=(5)/(6)			(%)
HYDRO PRODUCTION PLANT							
OSAGE							
331 STRUCTURES AND IMPROVEMENTS	8,092,925	0	0	171,411	171,411	8,949,981	(2)
332 RESERVOIRS, DAMS AND WATERWAYS	83,252,590	0	0	476,634	476,634	86,430,152	(1)
333 WATER WHEELS, TURBINES AND GENERATORS	55,033,128	0	0	4,946,120	4,946,120	63,276,661	(8)
334 ACCESSORY ELECTRIC EQUIPMENT	24,851,068	0	0	285,521	285,521	30,561,496	(1)
335 MISCELLANEOUS POWER PLANT EQUIPMENT	2,130,072	0	0	-	-	2,910,936	0
336 ROADS, RAILROADS AND BRIDGES	12,372	0	0	-	-	77,445	0
TOTAL OSAGE	173,372,155	0	0	5,879,687	5,879,687	192,206,670	0
KEOKUK							
331 STRUCTURES AND IMPROVEMENTS	7,633,404	0	0	235,002	235,002	8,808,412	(3)
332 RESERVOIRS, DAMS AND WATERWAYS	16,755,848	0	0	248,165	248,165	18,410,282	(1)
333 WATER WHEELS, TURBINES AND GENERATORS	110,061,389	0	0	13,275,611	13,275,611	132,187,416	(10)
334 ACCESSORY ELECTRIC EQUIPMENT	14,295,209	0	0	278,135	278,135	19,861,916	(1)
335 MISCELLANEOUS POWER PLANT EQUIPMENT	2,657,773	0	0	-	-	4,327,860	0
336 ROADS, RAILROADS AND BRIDGES	34,684	0	0	-	-	114,326	0
TOTAL KEOKUK	151,442,316	0	0	14,036,913	14,036,913	183,710,812	0
TAMM SAUK							
331 STRUCTURES AND IMPROVEMENTS	16,694,518	0	0	1,103,113	1,103,113	22,210,082	(5)
332 RESERVOIRS, DAMS AND WATERWAYS	8,260,001	0	0	297,422	297,422	10,271,817	(3)
333 WATER WHEELS, TURBINES AND GENERATORS	42,235,371	0	0	18,892,215	18,892,215	73,722,396	(26)
334 ACCESSORY ELECTRIC EQUIPMENT	4,438,656	0	0	435,394	435,394	13,148,539	(3)
335 MISCELLANEOUS POWER PLANT EQUIPMENT	1,146,079	0	0	-	-	4,763,369	0
336 ROADS, RAILROADS AND BRIDGES	31,828	0	0	-	-	232,752	0
TOTAL TAMM SAUK	72,835,453	0	0	20,728,144	20,728,144	124,348,954	0
TOTAL HYDRO PRODUCTION PLANT	397,649,924	-	-	40,644,744	40,644,744	500,264,436	

AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	158,115	26,361	17		0	26,361-	17-
1962	8,208	3,355	41	1,571	19	1,784-	22-
1963	75,119	8,613	11	525	1	8,088-	11-
1964	36,871	3,019	8	1,212	3	1,807-	5-
1965	179,096	5,263	3	70	0	5,193-	3-
1966	97,418	623	1		0	623-	1-
1967	8,852		0	4	0	4	0
1968	24,113		0		0		0
1969	782		0		0		0
1970	5,733		0		0		0
1971	673,801	8,645	1	100	0	8,545-	1-
1972	55,662	145	0		0	145-	0
1973	737,544	2,476	0		0	2,476-	0
1974	6,975	85	1	4,000	57	3,915	56
1975	7,604		0		0		0
1976	407,611		0	42-	0	42-	0
1977	9,942,839	6,816	0	15,590	0	8,774	0
1978	24,722	191,899	776		0	191,899-	776-
1979	1,385,722	192,983	14	323,439	23	130,456	9
1980	266,373	41,065	15		0	41,065-	15-
1981	252,970	3,514	1	540	0	2,974-	1-
1982	102,634	9,725	9		0	9,725-	9-
1983	117,038	9,900	8		0	9,900-	8-
1984	835,443	35,290	4	18,000	2	17,290-	2-
1985	87,658	26,325	30		0	26,325-	30-
1986	121,145	36,381	30		0	36,381-	30-
1987	305,838	89,865	29		0	89,865-	29-
1988	210,494	85,578	41		0	85,578-	41-
1989	215,590	63,130	29		0	63,130-	29-
1990	142,830	124,651	87		0	124,651-	87-
1991	697,158	43,286	6		0	43,286-	6-
1992	215,079	47,904	22		0	47,904-	22-
1993	398,308	66,935	17		0	66,935-	17-
1994	304,710	50,471	17		0	50,471-	17-
1995	626,185	87,350	14		0	87,350-	14-
1996	492,928	93,472	19		0	93,472-	19-
1997	541,448	60,431	11		0	60,431-	11-
1998	865,751	44,452	5		0	44,452-	5-
1999	396,944	2,500	1		0	2,500-	1-
2000	557,248	5,197	1		0	5,197-	1-
2001	1,924,522-	73,965	4-		0	73,965-	4
2002	1,127,607		0		0		0
2003	170,650	12,848	8		0	12,848-	8-

AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	335,179	87,747	26		0	87,747-	26-
2005	259,134	20,212	8		0	20,212-	8-
2006							
2007	223,142	51,778	23		0	51,778-	23-
2008	624,960		0		0		0
2009	1,192,441	353,044	30		0	353,044-	30-
2010	283,506	104,018	37		0	104,018-	37-
2011	395,618	112,649	28		0	112,649-	28-
2012	442,707	261,251	59		0	261,251-	59-
2013	4,319,910	204,995	5		0	204,995-	5-
2014	1,052,519	306,738	29	4,240	0	302,498-	29-
2015	149,156	65,490	44		0	65,490-	44-
2016	1,929,108	529,546	27	9,050	0	520,496-	27-
2017	636,276	301,564	47		0	301,564-	47-
2018	1,705,149	276,523	16		0	276,523-	16-
TOTAL	34,513,098	4,240,072	12	378,299	1	3,861,773-	11-

THREE-YEAR MOVING AVERAGES

61-63	80,481	12,776	16	699	1	12,078-	15-
62-64	40,066	4,996	12	1,103	3	3,893-	10-
63-65	97,029	5,632	6	602	1	5,029-	5-
64-66	104,462	2,968	3	427	0	2,541-	2-
65-67	95,122	1,962	2	25	0	1,937-	2-
66-68	43,461	208	0	1	0	206-	0
67-69	11,249		0	1	0	1	0
68-70	10,209		0		0		0
69-71	226,772	2,882	1	33	0	2,848-	1-
70-72	245,065	2,930	1	33	0	2,897-	1-
71-73	489,002	3,755	1	33	0	3,722-	1-
72-74	266,727	902	0	1,333	0	431	0
73-75	250,708	854	0	1,333	1	480	0
74-76	140,730	28	0	1,319	1	1,291	1
75-77	3,452,685	2,272	0	5,183	0	2,911	0
76-78	3,458,391	66,238	2	5,183	0	61,056-	2-
77-79	3,784,428	130,566	3	113,010	3	17,556-	0
78-80	558,939	141,982	25	107,813	19	34,169-	6-
79-81	635,022	79,187	12	107,993	17	28,806	5
80-82	207,326	18,101	9	180	0	17,921-	9-
81-83	157,547	7,713	5	180	0	7,533-	5-
82-84	351,705	18,305	5	6,000	2	12,305-	3-
83-85	346,713	23,838	7	6,000	2	17,838-	5-

AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	348,082	32,665	9	6,000	2	26,665-	8-
85-87	171,547	50,857	30		0	50,857-	30-
86-88	212,492	70,608	33		0	70,608-	33-
87-89	243,974	79,524	33		0	79,524-	33-
88-90	189,638	91,120	48		0	91,120-	48-
89-91	351,859	77,022	22		0	77,022-	22-
90-92	351,689	71,947	20		0	71,947-	20-
91-93	436,848	52,708	12		0	52,708-	12-
92-94	306,032	55,103	18		0	55,103-	18-
93-95	443,068	68,252	15		0	68,252-	15-
94-96	474,608	77,098	16		0	77,098-	16-
95-97	553,520	80,418	15		0	80,418-	15-
96-98	633,376	66,118	10		0	66,118-	10-
97-99	601,381	35,794	6		0	35,794-	6-
98-00	606,648	17,383	3		0	17,383-	3-
99-01	323,443-	27,221	8-		0	27,221-	8
00-02	79,889-	26,387	33-		0	26,387-	33
01-03	208,755-	28,938	14-		0	28,938-	14
02-04	544,479	33,531	6		0	33,531-	6-
03-05	254,988	40,269	16		0	40,269-	16-
04-06	198,104	35,986	18		0	35,986-	18-
05-07	160,759	23,997	15		0	23,997-	15-
06-08	282,701	17,259	6		0	17,259-	6-
07-09	680,181	134,941	20		0	134,941-	20-
08-10	700,302	152,354	22		0	152,354-	22-
09-11	623,855	189,904	30		0	189,904-	30-
10-12	373,944	159,306	43		0	159,306-	43-
11-13	1,719,411	192,965	11		0	192,965-	11-
12-14	1,938,378	257,661	13	1,413	0	256,248-	13-
13-15	1,840,528	192,408	10	1,413	0	190,994-	10-
14-16	1,043,594	300,591	29	4,430	0	296,161-	28-
15-17	904,847	298,867	33	3,017	0	295,850-	33-
16-18	1,423,511	369,211	26	3,017	0	366,194-	26-
FIVE-YEAR AVERAGE							
14-18	1,094,442	295,972	27	2,658	0	293,314-	27-

AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	161,374	60,011	37	19,540	12	40,471-	25-
1962	125,055	50,122	40	24,665	20	25,457-	20-
1963	86,958	12,010	14	3,310	4	8,700-	10-
1964	394,609	38,340	10	74-	0	38,414-	10-
1965	1,446,360	34,756	2	2,610	0	32,146-	2-
1966	130,916	10,398	8	5,900	5	4,498-	3-
1967	158,570	16,216	10	393-	0	16,609-	10-
1968	489,335	3,807	1		0	3,807-	1-
1969	363,773	24,327	7	4,619	1	19,708-	5-
1970	235,831	9,100	4	3,986-	2-	13,086-	6-
1971	893,195	7,863	1	17,973	2	10,110	1
1972	1,830,014	66,575	4	1,155	0	65,420-	4-
1973	4,865,126	189,147	4	39,571	1	149,576-	3-
1974	92,093	8,180	9	9,962	11	1,782	2
1975	107,347	3,198	3	71,790	67	68,592	64
1976	11,407,815	49,611	0	258	0	49,353-	0
1977	533,415	84,223	16	17,576	3	66,647-	12-
1978	411,563	133,151	32	44,672	11	88,479-	21-
1979	3,371,760	73,139	2	336,947	10	263,808	8
1980	391,191	174,054	44	31,381	8	142,673-	36-
1981	3,414,799	122,811	4	36,307	1	86,504-	3-
1982	2,707,874	1,750,327	65	85,167	3	1,665,160-	61-
1983	1,198,554	85,193	7	20-	0	85,213-	7-
1984	507,365	77,543	15	8,896	2	68,647-	14-
1985	684,582	1,061,206	155		0	1,061,206-	155-
1986	1,745,193	391,335	22		0	391,335-	22-
1987	1,841,435	37,881	2	42,800	2	4,919	0
1988	1,256,972	20,131	2	9,500	1	10,631-	1-
1989	1,613,621	159,469	10	81,111	5	78,358-	5-
1990	2,905,298	496,949	17	50,000	2	446,949-	15-
1991	2,716,811	634,819	23	63,362	2	571,457-	21-
1992	1,772,075	1,768,224	100	5,182	0	1,763,042-	99-
1993	9,781,616	1,861,786	19	36,425	0	1,825,361-	19-
1994	10,331,916	3,081,510	30	7,809	0	3,073,701-	30-
1995	13,134,123	5,961,347	45	17,661	0	5,943,686-	45-
1996	25,216,177	5,568,913	22	48,074	0	5,520,839-	22-
1997	27,077,292	1,279,181	5	120,071	0	1,159,110-	4-
1998	2,933,811	394,063	13	108,853	4	285,210-	10-
1999	8,834,694	1,583,410	18	96,376	1	1,487,034-	17-
2000	8,544,480	5,530,456	65	31,775	0	5,498,681-	64-
2001	15,430,338	7,526,545	49	65,328	0	7,461,217-	48-
2002	9,369,678	6,229,896	66	5,502	0	6,224,393-	66-
2003	22,542,670	6,631,431	29	169,692	1	6,461,739-	29-

AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	43,340,848	14,295,080	33	61,144	0	14,233,936-	33-
2005	13,276,784	4,185,438	32	159,498	1	4,025,940-	30-
2006	5,151,378	1,966,601	38	1,106,778	21	859,823-	17-
2007	5,491,989	5,410,720	99	363,993	7	5,046,727-	92-
2008	45,316,068	2,290,021	5	823,500	2	1,466,522-	3-
2009	10,885,714	1,771,423	16	53,356	0	1,718,067-	16-
2010	31,179,333	3,788,329	12	697,290	2	3,091,039-	10-
2011	10,236,904	6,222,721	61	238,614	2	5,984,108-	58-
2012	25,572,245	18,604,860	73	1,355,924	5	17,248,935-	67-
2013	43,946,814	1,718,353	4	328,788	1	1,389,565-	3-
2014	30,120,801	3,885,545	13	345,437	1	3,540,108-	12-
2015	12,586,031	10,131,219	80	114,287	1	10,016,932-	80-
2016	27,925,207	11,769,170	42	469,042	2	11,300,128-	40-
2017	10,931,403	8,937,398	82	1,127,999	10	7,809,398-	71-
2018	42,785,603	19,297,501	45	162,218	0	19,135,283-	45-
TOTAL	561,804,796	167,577,034	30	9,125,216	2	158,451,818-	28-

THREE-YEAR MOVING AVERAGES

61-63	124,462	40,714	33	15,838	13	24,876-	20-
62-64	202,207	33,491	17	9,300	5	24,190-	12-
63-65	642,642	28,369	4	1,949	0	26,420-	4-
64-66	657,295	27,831	4	2,812	0	25,019-	4-
65-67	578,615	20,457	4	2,706	0	17,751-	3-
66-68	259,607	10,140	4	1,836	1	8,305-	3-
67-69	337,226	14,783	4	1,409	0	13,375-	4-
68-70	362,980	12,411	3	211	0	12,200-	3-
69-71	497,600	13,763	3	6,202	1	7,561-	2-
70-72	986,347	27,846	3	5,047	1	22,799-	2-
71-73	2,529,445	87,862	3	19,566	1	68,295-	3-
72-74	2,262,411	87,967	4	16,896	1	71,071-	3-
73-75	1,688,189	66,842	4	40,441	2	26,401-	2-
74-76	3,869,085	20,330	1	27,337	1	7,007	0
75-77	4,016,192	45,677	1	29,875	1	15,803-	0
76-78	4,117,598	88,995	2	20,835	1	68,160-	2-
77-79	1,438,913	96,838	7	133,065	9	36,227	3
78-80	1,391,505	126,781	9	137,667	10	10,885	1
79-81	2,392,583	123,335	5	134,878	6	11,544	0
80-82	2,171,288	682,397	31	50,952	2	631,446-	29-
81-83	2,440,409	652,777	27	40,485	2	612,292-	25-
82-84	1,471,264	637,688	43	31,348	2	606,340-	41-
83-85	796,834	407,981	51	2,959	0	405,022-	51-

AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	979,047	510,028	52	2,965	0	507,063-	52-
85-87	1,423,737	496,807	35	14,267	1	482,541-	34-
86-88	1,614,533	149,782	9	17,433	1	132,349-	8-
87-89	1,570,676	72,494	5	44,470	3	28,023-	2-
88-90	1,925,297	225,516	12	46,870	2	178,646-	9-
89-91	2,411,910	430,412	18	64,824	3	365,588-	15-
90-92	2,464,728	966,664	39	39,515	2	927,149-	38-
91-93	4,756,834	1,421,610	30	34,990	1	1,386,620-	29-
92-94	7,295,202	2,237,173	31	16,472	0	2,220,701-	30-
93-95	11,082,552	3,634,881	33	20,632	0	3,614,249-	33-
94-96	16,227,405	4,870,590	30	24,515	0	4,846,075-	30-
95-97	21,809,197	4,269,814	20	61,935	0	4,207,878-	19-
96-98	18,409,093	2,414,052	13	92,333	1	2,321,720-	13-
97-99	12,948,599	1,085,551	8	108,433	1	977,118-	8-
98-00	6,770,995	2,502,643	37	79,001	1	2,423,642-	36-
99-01	10,936,504	4,880,137	45	64,493	1	4,815,644-	44-
00-02	11,114,832	6,428,966	58	34,202	0	6,394,764-	58-
01-03	15,780,895	6,795,957	43	80,174	1	6,715,783-	43-
02-04	25,084,399	9,052,136	36	78,780	0	8,973,356-	36-
03-05	26,386,767	8,370,650	32	130,112	0	8,240,538-	31-
04-06	20,589,670	6,815,707	33	442,474	2	6,373,233-	31-
05-07	7,973,384	3,854,253	48	543,423	7	3,310,830-	42-
06-08	18,653,145	3,222,448	17	764,757	4	2,457,691-	13-
07-09	20,564,590	3,157,388	15	413,616	2	2,743,772-	13-
08-10	29,127,038	2,616,591	9	524,715	2	2,091,876-	7-
09-11	17,433,984	3,927,491	23	329,753	2	3,597,738-	21-
10-12	22,329,494	9,538,636	43	763,943	3	8,774,694-	39-
11-13	26,585,321	8,848,645	33	641,108	2	8,207,536-	31-
12-14	33,213,287	8,069,586	24	676,716	2	7,392,870-	22-
13-15	28,884,548	5,245,039	18	262,837	1	4,982,202-	17-
14-16	23,544,013	8,595,312	37	309,589	1	8,285,723-	35-
15-17	17,147,547	10,279,262	60	570,443	3	9,708,820-	57-
16-18	27,214,071	13,334,689	49	586,419	2	12,748,270-	47-
FIVE-YEAR AVERAGE							
14-18	24,869,809	10,804,167	43	443,797	2	10,360,370-	42-

AMEREN MISSOURI

ACCOUNT 312.03 BOILER PLANT EQUIPMENT - ALUMINUM COAL CARS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1994				93,721		93,721	
1995	2,468,135		0	1,910,907	77	1,910,907	77
1996							
1997	607,989		0	485,793	80	485,793	80
1998	917,936		0	724,141	79	724,141	79
1999	1,029,485		0	163,066	16	163,066	16
2000							
2001							
2002	1,601,256		0	1,398,854	87	1,398,854	87
2003	282,856		0	1,125,480	398	1,125,480	398
2004	54,040-		0	1,966,248		1,966,248	
2005	3,209,484		0	269,683	8	269,683	8
2006	478,727		0	875,701	183	875,701	183
2007	633,964		0		0		0
2008	780,879		0	546,307	70	546,307	70
2009							
2010	700,045		0		0		0
2011	1,997,976		0		0		0
2012							
2013	1,295,514		0	91,146	7	91,146	7
2014	52,247		0		0		0
2015							
2016							
2017							
2018							
TOTAL	16,002,451		0	9,651,046	60	9,651,046	60

THREE-YEAR MOVING AVERAGES

94-96	822,712		0	668,209	81	668,209	81
95-97	1,025,375		0	798,900	78	798,900	78
96-98	508,642		0	403,311	79	403,311	79
97-99	851,803		0	457,667	54	457,667	54
98-00	649,140		0	295,736	46	295,736	46
99-01	343,162		0	54,355	16	54,355	16
00-02	533,752		0	466,285	87	466,285	87
01-03	628,037		0	841,445	134	841,445	134
02-04	610,024		0	1,496,861	245	1,496,861	245
03-05	1,146,100		0	1,120,470	98	1,120,470	98
04-06	1,211,390		0	1,037,210	86	1,037,210	86
05-07	1,440,725		0	381,794	27	381,794	27
06-08	631,190		0	474,002	75	474,002	75

AMEREN MISSOURI

ACCOUNT 312.03 BOILER PLANT EQUIPMENT - ALUMINUM COAL CARS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
07-09	471,614		0	182,102	39	182,102	39
08-10	493,641		0	182,102	37	182,102	37
09-11	899,340		0		0		0
10-12	899,340		0		0		0
11-13	1,097,830		0	30,382	3	30,382	3
12-14	449,254		0	30,382	7	30,382	7
13-15	449,254		0	30,382	7	30,382	7
14-16	17,416		0		0		0
15-17							
16-18							
FIVE-YEAR AVERAGE							
14-18	10,449		0		0		0

AMEREN MISSOURI

ACCOUNT 314 TURBOGENERATOR UNITS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	4,863		0	9	0	9	0
1962		1,126				1,126-	
1963	41,724		0		0		0
1964	1,254	984	78		0	984-	78-
1965	30,873	93	0	406	1	313	1
1966	22,803		0		0		0
1967	2,331	438	19		0	438-	19-
1968		856				856-	
1969	30,027	407	1		0	407-	1-
1970	4,647	75	2	3,252	70	3,177	68
1971	1,404,626	32	0		0	32-	0
1972	8,286		0		0		0
1973	1,454,591		0		0		0
1974	235,684	244	0		0	244-	0
1975							
1976	6,302,767		0		0		0
1977							
1978	24,146		0		0		0
1979				198,439		198,439	
1980		1,104				1,104-	
1981	35,886		0		0		0
1982	179,581	23,900	13		0	23,900-	13-
1983	69,244	2,684	4		0	2,684-	4-
1984	4,084,661	321,720	8	11,480	0	310,240-	8-
1985	2,263	37,579		109,000		71,421	
1986	3,846,169	310,078	8	760,000	20	449,922	12
1987	88,706		0	5,000-	6-	5,000-	6-
1988	36,828	442	1	36,500	99	36,058	98
1989	24,520	4,055	17		0	4,055-	17-
1990	163,775	61,058	37	500	0	60,558-	37-
1991	197,708	32,183	16		0	32,183-	16-
1992	56,496	1,658	3		0	1,658-	3-
1993	699,027	25,558	4		0	25,558-	4-
1994	1,323,278	223,391	17		0	223,391-	17-
1995	836,640	91,012	11		0	91,012-	11-
1996	824,384	135,332	16	513,719	62	378,387	46
1997	1,670,807	214,024	13	517,906	31	303,882	18
1998	2,559,028	1,113	0		0	1,113-	0
1999	5,113,337	89,863	2		0	89,863-	2-
2000	2,707,377	757,789	28	222,990	8	534,799-	20-
2001	7,248,523	292,956	4	2,198,673	30	1,905,717	26
2002	8,816,460	4,381,180	50	406,877	5	3,974,303-	45-
2003	20,941,174	1,167,576	6		0	1,167,576-	6-

AMEREN MISSOURI

ACCOUNT 314 TURBOGENERATOR UNITS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	2,751,291	950,373	35		0	950,373-	35-
2005	13,680,872	920,981	7	101,587	1	819,394-	6-
2006	2,670,747	600,648	22		0	600,648-	22-
2007	62,452	576	1	6,698	11	6,121	10
2008	5,908,047	819,262	14	6,698-	0	825,960-	14-
2009	90,657	668,323	737		0	668,323-	737-
2010	4,649,281	259,270	6	2,358	0	256,912-	6-
2011	4,772,530	514,189	11	33,432	1	480,756-	10-
2012	5,863,610	1,974,899	34	300,000	5	1,674,899-	29-
2013	21,691,202	454,712	2	24,968	0	429,744-	2-
2014	4,560,840	455,362	10	41,055	1	414,306-	9-
2015	2,366,677	988,090	42		0	988,090-	42-
2016	3,707,139	691,253	19		0	691,253-	19-
2017	1,831,863	2,494,426	136		0	2,494,426-	136-
2018	1,727,103	682,725	40	46,628	3	636,096-	37-
TOTAL	147,428,807	20,655,599	14	5,524,780	4	15,130,820-	10-

THREE-YEAR MOVING AVERAGES

61-63	15,529	375	2	3	0	372-	2-
62-64	14,326	703	5		0	703-	5-
63-65	24,617	359	1	135	1	224-	1-
64-66	18,310	359	2	135	1	224-	1-
65-67	18,669	177	1	135	1	42-	0
66-68	8,378	431	5		0	431-	5-
67-69	10,786	567	5		0	567-	5-
68-70	11,558	446	4	1,084	9	638	6
69-71	479,767	171	0	1,084	0	913	0
70-72	472,520	36	0	1,084	0	1,048	0
71-73	955,834	11	0		0	11-	0
72-74	566,187	81	0		0	81-	0
73-75	563,425	81	0		0	81-	0
74-76	2,179,484	81	0		0	81-	0
75-77	2,100,922		0		0		0
76-78	2,108,971		0		0		0
77-79	8,049		0	66,146	822	66,146	822
78-80	8,049	368	5	66,146	822	65,778	817
79-81	11,962	368	3	66,146	553	65,778	550
80-82	71,822	8,335	12		0	8,335-	12-
81-83	94,904	8,861	9		0	8,861-	9-
82-84	1,444,495	116,101	8	3,827	0	112,275-	8-
83-85	1,385,389	120,661	9	40,160	3	80,501-	6-

AMEREN MISSOURI

ACCOUNT 314 TURBOGENERATOR UNITS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	2,644,364	223,126	8	293,493	11	70,368	3
85-87	1,312,379	115,886	9	288,000	22	172,114	13
86-88	1,323,901	103,507	8	263,833	20	160,327	12
87-89	50,018	1,499	3	10,500	21	9,001	18
88-90	75,041	21,852	29	12,333	16	9,518-	13-
89-91	128,668	32,432	25	167	0	32,265-	25-
90-92	139,326	31,633	23	167	0	31,466-	23-
91-93	317,744	19,800	6		0	19,800-	6-
92-94	692,934	83,536	12		0	83,536-	12-
93-95	952,982	113,320	12		0	113,320-	12-
94-96	994,767	149,912	15	171,240	17	21,328	2
95-97	1,110,610	146,789	13	343,875	31	197,086	18
96-98	1,684,740	116,823	7	343,875	20	227,052	13
97-99	3,114,391	101,667	3	172,635	6	70,969	2
98-00	3,459,914	282,922	8	74,330	2	208,592-	6-
99-01	5,023,079	380,203	8	807,221	16	427,018	9
00-02	6,257,453	1,810,642	29	942,847	15	867,795-	14-
01-03	12,335,386	1,947,237	16	868,517	7	1,078,721-	9-
02-04	10,836,308	2,166,376	20	135,626	1	2,030,751-	19-
03-05	12,457,779	1,012,977	8	33,862	0	979,114-	8-
04-06	6,367,637	824,001	13	33,862	1	790,139-	12-
05-07	5,471,357	507,402	9	36,095	1	471,307-	9-
06-08	2,880,415	473,496	16		0	473,496-	16-
07-09	2,020,385	496,054	25		0	496,054-	25-
08-10	3,549,328	582,285	16	1,447-	0	583,732-	16-
09-11	3,170,823	480,594	15	11,930	0	468,664-	15-
10-12	5,095,140	916,119	18	111,930	2	804,189-	16-
11-13	10,775,781	981,267	9	119,467	1	861,800-	8-
12-14	10,705,217	961,658	9	122,008	1	839,650-	8-
13-15	9,539,573	632,721	7	22,008	0	610,713-	6-
14-16	3,544,886	711,568	20	13,685	0	697,883-	20-
15-17	2,635,226	1,391,256	53		0	1,391,256-	53-
16-18	2,422,035	1,289,468	53	15,543	1	1,273,925-	53-
FIVE-YEAR AVERAGE							
14-18	2,838,725	1,062,371	37	17,537	1	1,044,834-	37-

AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	18,579	2,842	15	1,279	7	1,563-	8-
1962	8,953	1,182	13	3,302	37	2,120	24
1963	34,270	64	0		0	64-	0
1964	26,392	3,345	13	1,713	6	1,632-	6-
1965	6,717	702	10	1,098	16	396	6
1966	40,451	1,792	4		0	1,792-	4-
1967	177,380	3,235	2	57	0	3,178-	2-
1968	68,607	352	1		0	352-	1-
1969	41,332	175	0		0	175-	0
1970	3,499	78	2	5,582	160	5,504	157
1971	653,621	121	0	28,666	4	28,545	4
1972	14,660	76	1		0	76-	1-
1973	331,953	4,571	1		0	4,571-	1-
1974	92,002	885	1	2,245	2	1,360	1
1975	24,141		0		0		0
1976	531,535	881	0		0	881-	0
1977	4,448,067	2,184	0	700	0	1,484-	0
1978		61				61-	
1979	108,402	1,885	2	156,019	144	154,134	142
1980	25,237	928	4	1,586	6	658	3
1981	30,984	175	1	1,882	6	1,707	6
1982	3,849		0		0		0
1983	155,150	1,482	1		0	1,482-	1-
1984		1,030				1,030-	
1985	21,451	2,121	10	3,180	15	1,059	5
1986				4,012		4,012	
1987	684,684	7,054	1		0	7,054-	1-
1988	137,511	12,338	9		0	12,338-	9-
1989		44,328				44,328-	
1990	387,712	291,171	75		0	291,171-	75-
1991	130,876	119,722	91		0	119,722-	91-
1992	134,973		0	500	0	500	0
1993	100,435	20,763	21		0	20,763-	21-
1994	599,154	53,500	9	1,435	0	52,065-	9-
1995	91,612		0		0		0
1996	1,103,783	169,951	15	41,200	4	128,751-	12-
1997	1,217,979	176,708	15		0	176,708-	15-
1998	976,741	68,108	7	158,762	16	90,654	9
1999	292,464	62,315	21	38,980	13	23,335-	8-
2000	2,072,315	75,000	4	425-	0	75,425-	4-
2001	246,376	35,500	14		0	35,500-	14-
2002	1,348,269	695,350	52		0	695,350-	52-
2003	1,143,929	138,889-	12-		0	138,889	12

AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	1,287,754	315,751	25		0	315,751-	25-
2005	2,688,588	122,492	5	4,200	0	118,292-	4-
2006	2,209,803	184,615	8	420,000	19	235,385	11
2007	199,831	11,500	6		0	11,500-	6-
2008	722,902	130,670	18		0	130,670-	18-
2009	193,612	83,301	43		0	83,301-	43-
2010	450,708	188,342	42		0	188,342-	42-
2011	641,236	111,307	17		0	111,307-	17-
2012	1,310,079	119,552	9		0	119,552-	9-
2013	5,550,067	58,638	1	12,689	0	45,949-	1-
2014	1,987,699	242,466	12	8,427	0	234,039-	12-
2015	366,091	70,177	19	4,557	1	65,619-	18-
2016	668,763	356,952	53	3,950	1	353,002-	53-
2017	3,554,639	367,565	10	263,018	7	104,547-	3-
2018	748,563	196,185	26		0	196,185-	26-
TOTAL	40,116,379	4,282,598	11	1,168,614	3	3,113,984-	8-

THREE-YEAR MOVING AVERAGES

61-63	20,601	1,363	7	1,527	7	164	1
62-64	23,205	1,530	7	1,672	7	141	1
63-65	22,460	1,370	6	937	4	433-	2-
64-66	24,520	1,946	8	937	4	1,009-	4-
65-67	74,849	1,910	3	385	1	1,525-	2-
66-68	95,479	1,793	2	19	0	1,774-	2-
67-69	95,773	1,254	1	19	0	1,235-	1-
68-70	37,813	202	1	1,861	5	1,659	4
69-71	232,817	125	0	11,416	5	11,291	5
70-72	223,927	92	0	11,416	5	11,324	5
71-73	333,411	1,589	0	9,555	3	7,966	2
72-74	146,205	1,844	1	748	1	1,096-	1-
73-75	149,365	1,819	1	748	1	1,070-	1-
74-76	215,893	589	0	748	0	160	0
75-77	1,667,914	1,022	0	233	0	788-	0
76-78	1,659,867	1,042	0	233	0	809-	0
77-79	1,518,823	1,377	0	52,240	3	50,863	3
78-80	44,546	958	2	52,535	118	51,577	116
79-81	54,874	996	2	53,162	97	52,166	95
80-82	20,023	368	2	1,156	6	788	4
81-83	63,328	552	1	627	1	75	0
82-84	53,000	837	2		0	837-	2-
83-85	58,867	1,544	3	1,060	2	484-	1-

AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	7,150	1,050	15	2,397	34	1,347	19
85-87	235,378	3,058	1	2,397	1	661-	0
86-88	274,065	6,464	2	1,337	0	5,127-	2-
87-89	274,065	21,240	8		0	21,240-	8-
88-90	175,074	115,946	66		0	115,946-	66-
89-91	172,863	151,740	88		0	151,740-	88-
90-92	217,854	136,964	63	167	0	136,798-	63-
91-93	122,095	46,828	38	167	0	46,662-	38-
92-94	278,187	24,754	9	645	0	24,109-	9-
93-95	263,734	24,754	9	478	0	24,276-	9-
94-96	598,183	74,484	12	14,212	2	60,272-	10-
95-97	804,458	115,553	14	13,733	2	101,820-	13-
96-98	1,099,501	138,256	13	66,654	6	71,602-	7-
97-99	829,061	102,377	12	65,914	8	36,463-	4-
98-00	1,113,840	68,474	6	65,772	6	2,702-	0
99-01	870,385	57,605	7	12,852	1	44,753-	5-
00-02	1,222,320	268,617	22	142-	0	268,758-	22-
01-03	912,858	197,320	22		0	197,320-	22-
02-04	1,259,984	290,737	23		0	290,737-	23-
03-05	1,706,757	99,784	6	1,400	0	98,384-	6-
04-06	2,062,048	207,619	10	141,400	7	66,219-	3-
05-07	1,699,407	106,202	6	141,400	8	35,198	2
06-08	1,044,178	108,928	10	140,000	13	31,072	3
07-09	372,115	75,157	20		0	75,157-	20-
08-10	455,740	134,104	29		0	134,104-	29-
09-11	428,519	127,650	30		0	127,650-	30-
10-12	800,674	139,733	17		0	139,733-	17-
11-13	2,500,461	96,499	4	4,230	0	92,269-	4-
12-14	2,949,282	140,219	5	7,039	0	133,180-	5-
13-15	2,634,619	123,760	5	8,558	0	115,203-	4-
14-16	1,007,518	223,198	22	5,645	1	217,554-	22-
15-17	1,529,831	264,898	17	90,508	6	174,390-	11-
16-18	1,657,322	306,901	19	88,989	5	217,911-	13-
FIVE-YEAR AVERAGE							
14-18	1,465,151	246,669	17	55,990	4	190,679-	13-

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	10,072	3,165	31		0	3,165-	31-
1962	49,183	20	0	1,385	3	1,365	3
1963	6,429		0	488	8	488	8
1964	1,760-	240	14-	3,637	207-	3,397	193-
1965	17,978	103	1	1,047	6	944	5
1966	14,032	210	1	476	3	266	2
1967	12,704		0	1,235	10	1,235	10
1968	7,343		0	506	7	506	7
1969	16,744		0	6,000	36	6,000	36
1970	9,072		0	15	0	15	0
1971	67,075	32	0	647	1	615	1
1972	20,038	4,273	21	3,700	18	573-	3-
1973	108,468	2,387	2	3,178	3	791	1
1974	54,026		0	816	2	816	2
1975	61,302		0	1,943-	3-	1,943-	3-
1976	127,839		0	17,352	14	17,352	14
1977	542,296	1,052	0	1,987	0	935	0
1978	59,136	611	1	7,400	13	6,789	11
1979	10,313	116	1	39,578	384	39,462	383
1980	39,248	335	1	2,745	7	2,410	6
1981	58,875	466	1	1,000	2	534	1
1982	103,999	5,476	5	1,005	1	4,471-	4-
1983	44,542	652	1	6,460	15	5,808	13
1984	151,227	9,141	6	9	0	9,132-	6-
1985	82,252	1,395-	2-	250	0	1,645	2
1986	67,005	6,461	10	6,596	10	135	0
1987	128,692	247	0	2,880	2	2,633	2
1988	70,369		0	4,800	7	4,800	7
1989	101,385		0		0		0
1990	169,010	122	0	1,550	1	1,428	1
1991	292,146	14,352	5	1,235	0	13,117-	4-
1992	114,691	2,782	2	26,030	23	23,248	20
1993	509,127	4,975	1	4,350	1	625-	0
1994	135,117		0	10,335	8	10,335	8
1995	284,280	10,181	4	1,079-	0	11,260-	4-
1996	418,208	3,874	1	3,972	1	98	0
1997	90,075	26,800	30	6,285	7	20,515-	23-
1998	239,376		0	6,415	3	6,415	3
1999	50,108		0	125	0	125	0
2000	423,031	2,609	1		0	2,609-	1-
2001	633,917	18,792	3		0	18,792-	3-
2002	951,956	2,054	0		0	2,054-	0
2003	2,110,830		0		0		0

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	389,224		0		0		0
2005	164,358	2,361	1	520	0	1,841-	1-
2006	139,560		0		0		0
2007	329,201	23,908	7	8,902	3	15,006-	5-
2008	481,362		0	64,769	13	64,769	13
2009	607,623		0	16,180	3	16,180	3
2010	117,785		0	2,133	2	2,133	2
2011	258,869		0		0		0
2012	60,182		0		0		0
2013	7,748,493	63,222	1	16,918	0	46,304-	1-
2014	1,242,923		0	10,000	1	10,000	1
2015	3,713,831	30,714	1	14,000	0	16,714-	0
2016	701,461	8,692	1	17,300	2	8,608	1
2017	288,058	28,112	10	12,100	4	16,012-	6-
2018	653,319	6,993	1	7,000	1	7	0
TOTAL	25,358,006	284,135	1	342,289	1	58,154	0

THREE-YEAR MOVING AVERAGES

61-63	21,895	1,062	5	624	3	437-	2-
62-64	17,951	87	0	1,837	10	1,750	10
63-65	7,549	114	2	1,724	23	1,610	21
64-66	10,083	184	2	1,720	17	1,536	15
65-67	14,905	104	1	919	6	815	5
66-68	11,360	70	1	739	7	669	6
67-69	12,264		0	2,580	21	2,580	21
68-70	11,053		0	2,174	20	2,174	20
69-71	30,964	11	0	2,221	7	2,210	7
70-72	32,062	1,435	4	1,454	5	19	0
71-73	65,194	2,231	3	2,508	4	278	0
72-74	60,844	2,220	4	2,565	4	345	1
73-75	74,599	796	1	684	1	112-	0
74-76	81,056		0	5,408	7	5,408	7
75-77	243,812	351	0	5,799	2	5,448	2
76-78	243,090	554	0	8,913	4	8,359	3
77-79	203,915	593	0	16,322	8	15,729	8
78-80	36,232	354	1	16,574	46	16,220	45
79-81	36,145	306	1	14,441	40	14,135	39
80-82	67,374	2,092	3	1,583	2	509-	1-
81-83	69,139	2,198	3	2,822	4	624	1
82-84	99,923	5,090	5	2,491	2	2,598-	3-
83-85	92,674	2,799	3	2,240	2	560-	1-

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	100,161	4,736	5	2,285	2	2,451-	2-
85-87	92,650	1,771	2	3,242	3	1,471	2
86-88	88,689	2,236	3	4,759	5	2,523	3
87-89	100,149	82	0	2,560	3	2,478	2
88-90	113,588	41	0	2,117	2	2,076	2
89-91	187,514	4,825	3	928	0	3,896-	2-
90-92	191,949	5,752	3	9,605	5	3,853	2
91-93	305,321	7,370	2	10,538	3	3,169	1
92-94	252,978	2,586	1	13,572	5	10,986	4
93-95	309,508	5,052	2	4,535	1	517-	0
94-96	279,202	4,685	2	4,409	2	276-	0
95-97	264,188	13,618	5	3,059	1	10,559-	4-
96-98	249,220	10,225	4	5,557	2	4,667-	2-
97-99	126,520	8,933	7	4,275	3	4,658-	4-
98-00	237,505	870	0	2,180	1	1,310	1
99-01	369,019	7,134	2	42	0	7,092-	2-
00-02	669,635	7,818	1		0	7,818-	1-
01-03	1,232,234	6,949	1		0	6,949-	1-
02-04	1,150,670	685	0		0	685-	0
03-05	888,137	787	0	173	0	614-	0
04-06	231,047	787	0	173	0	614-	0
05-07	211,040	8,756	4	3,141	1	5,616-	3-
06-08	316,708	7,969	3	24,557	8	16,588	5
07-09	472,729	7,969	2	29,950	6	21,981	5
08-10	402,257		0	27,694	7	27,694	7
09-11	328,092		0	6,104	2	6,104	2
10-12	145,612		0	711	0	711	0
11-13	2,689,181	21,074	1	5,639	0	15,435-	1-
12-14	3,017,200	21,074	1	8,973	0	12,101-	0
13-15	4,235,082	31,312	1	13,639	0	17,673-	0
14-16	1,886,072	13,135	1	13,767	1	631	0
15-17	1,567,784	22,506	1	14,467	1	8,039-	1-
16-18	547,613	14,599	3	12,133	2	2,465-	0
FIVE-YEAR AVERAGE							
14-18	1,319,919	14,902	1	12,080	1	2,822-	0

AMEREN MISSOURI

ACCOUNT 321 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1986	162,017		0	217	0	217	0
1987	16,057,130		0	77,176	0	77,176	0
1988	2,519,652		0		0		0
1989	3,965	13,040	329		0	13,040-	329-
1990		750				750-	
1991	296,660-	50,586	17-	7,283	2-	43,303-	15
1992	17,391	39,758-	229-		0	39,758	229
1993	538,616	6,816	1	3,800	1	3,016-	1-
1994	267,431	22,710	8		0	22,710-	8-
1995	2,895,254	538	0	620	0	82	0
1996	148,605	16,497	11		0	16,497-	11-
1997	974,791	1,527	0		0	1,527-	0
1998	26,409	4,679	18		0	4,679-	18-
1999	597,413		0		0		0
2000	202,913	2,885	1		0	2,885-	1-
2001	226,179	259,372	115		0	259,372-	115-
2002	638,930	9,938	2		0	9,938-	2-
2003	4,246,850	7,689	0		0	7,689-	0
2004	2,975,858		0		0		0
2005	373,905		0		0		0
2006	522,227	32,889	6		0	32,889-	6-
2007							
2008	437,029	472,540	108		0	472,540-	108-
2009	2,222,973	358,170	16		0	358,170-	16-
2010	574,836	191,496	33		0	191,496-	33-
2011	531,320	140,385	26		0	140,385-	26-
2012	585,018	735,458	126		0	735,458-	126-
2013	5,726,597	147,790	3		0	147,790-	3-
2014	1,184,096	148,500	13		0	148,500-	13-
2015	91,435	299,365	327		0	299,365-	327-
2016	7,177,195	1,019,283	14		0	1,019,283-	14-
2017	2,385,628	529,479	22		0	529,479-	22-
2018	2,306,716	227,948	10		0	227,948-	10-
TOTAL	56,321,719	4,660,574	8	89,096	0	4,571,478-	8-

THREE-YEAR MOVING AVERAGES

86-88	6,246,266		0	25,798	0	25,798	0
87-89	6,193,582	4,347	0	25,725	0	21,379	0
88-90	841,206	4,597	1		0	4,597-	1-
89-91	97,565-	21,459	22-	2,428	2-	19,031-	20
90-92	93,090-	3,859	4-	2,428	3-	1,432-	2

AMEREN MISSOURI

ACCOUNT 321 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
91-93	86,449	5,881	7	3,694	4	2,187-	3-
92-94	274,479	3,411-	1-	1,267	0	4,677	2
93-95	1,233,767	10,021	1	1,473	0	8,548-	1-
94-96	1,103,763	13,248	1	207	0	13,042-	1-
95-97	1,339,550	6,187	0	207	0	5,981-	0
96-98	383,268	7,568	2		0	7,568-	2-
97-99	532,871	2,069	0		0	2,069-	0
98-00	275,578	2,521	1		0	2,521-	1-
99-01	342,168	87,419	26		0	87,419-	26-
00-02	356,007	90,732	25		0	90,732-	25-
01-03	1,703,986	92,333	5		0	92,333-	5-
02-04	2,620,546	5,876	0		0	5,876-	0
03-05	2,532,205	2,563	0		0	2,563-	0
04-06	1,290,663	10,963	1		0	10,963-	1-
05-07	298,711	10,963	4		0	10,963-	4-
06-08	319,752	168,477	53		0	168,477-	53-
07-09	886,667	276,904	31		0	276,904-	31-
08-10	1,078,280	340,736	32		0	340,736-	32-
09-11	1,109,710	230,017	21		0	230,017-	21-
10-12	563,725	355,780	63		0	355,780-	63-
11-13	2,280,978	341,211	15		0	341,211-	15-
12-14	2,498,570	343,916	14		0	343,916-	14-
13-15	2,334,043	198,552	9		0	198,552-	9-
14-16	2,817,575	489,050	17		0	489,050-	17-
15-17	3,218,086	616,043	19		0	616,043-	19-
16-18	3,956,513	592,237	15		0	592,237-	15-
FIVE-YEAR AVERAGE							
14-18	2,629,014	444,915	17		0	444,915-	17-

AMEREN MISSOURI

ACCOUNT 322 REACTOR PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1986	703,574		0	46,165	7	46,165	7
1987	50,287		0	3,566-	7-	3,566-	7-
1988	88,564		0	2,987	3	2,987	3
1989	5,718,710	4,752	0		0	4,752-	0
1990	22,113,084	72,976	0	920,743	4	847,767	4
1991	2,359,537-	148,881	6-	32,492	1-	116,389-	5
1992	866,903	20,626	2	55,000	6	34,374	4
1993	7,241,874	1,472	0	920,743	13	919,271	13
1994	606,659	142,856	24		0	142,856-	24-
1995	8,353,069	2,501	0	920,743	11	918,242	11
1996	4,980,949	5,931	0	920,743	18	914,812	18
1997	1,872,682	563	0		0	563-	0
1998	4,494,693	173,811	4	600,000	13	426,189	9
1999	10,022,229		0		0		0
2000	1,020,773		0		0		0
2001	36,000	3,959,146			0	3,959,146-	
2002	108,296	257,138	237		0	257,138-	237-
2003	4,457,806	1,095,464	25	21,516	0	1,073,948-	24-
2004	2,504,869	1,882,711	75	1,574-	0	1,884,285-	75-
2005	86,158,846	27,062,919	31		0	27,062,919-	31-
2006	681,656	7,560	1		0	7,560-	1-
2007	201,774	12,039	6		0	12,039-	6-
2008	16,595,412	1,586,929	10		0	1,586,929-	10-
2009	3,789,015	190,039	5	2,762,229	73	2,572,190	68
2010	1,283,895	85,697	7		0	85,697-	7-
2011	1,745,925	1,196,742	69		0	1,196,742-	69-
2012	321,354	1,391,351	433	324,774	101	1,066,577-	332-
2013	17,972,312	246,494	1	121,117	1	125,378-	1-
2014	21,108,235	3,518,606	17	3,600	0	3,515,006-	17-
2015	298,380	177,822	60		0	177,822-	60-
2016	6,611,871	474,333	7		0	474,333-	7-
2017	7,347,632	468,237	6	5,750	0	462,487-	6-
2018	20,844	148,183	711		0	148,183-	711-
TOTAL	237,018,635	44,335,781	19	7,653,462	3	36,682,319-	15-

THREE-YEAR MOVING AVERAGES

86-88	280,808		0	15,195	5	15,195	5
87-89	1,952,520	1,584	0	193-	0	1,777-	0
88-90	9,306,786	25,909	0	307,910	3	282,001	3
89-91	8,490,752	75,536	1	317,745	4	242,209	3
90-92	6,873,483	80,828	1	336,078	5	255,251	4

AMEREN MISSOURI

ACCOUNT 322 REACTOR PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
91-93	1,916,413	56,993	3	336,078	18	279,085	15
92-94	2,905,145	54,985	2	325,248	11	270,263	9
93-95	5,400,534	48,943	1	613,829	11	564,886	10
94-96	4,646,892	50,429	1	613,829	13	563,399	12
95-97	5,068,900	2,998	0	613,829	12	610,830	12
96-98	3,782,775	60,102	2	506,914	13	446,813	12
97-99	5,463,201	58,125	1	200,000	4	141,875	3
98-00	5,179,232	57,937	1	200,000	4	142,063	3
99-01	3,693,001	1,319,715	36		0	1,319,715-	36-
00-02	388,356	1,405,428	362		0	1,405,428-	362-
01-03	1,534,034	1,770,583	115	7,172	0	1,763,411-	115-
02-04	2,356,990	1,078,438	46	6,647	0	1,071,790-	45-
03-05	31,040,507	10,013,698	32	6,647	0	10,007,051-	32-
04-06	29,781,790	9,651,063	32	525-	0	9,651,588-	32-
05-07	29,014,092	9,027,506	31		0	9,027,506-	31-
06-08	5,826,280	535,509	9		0	535,509-	9-
07-09	6,862,067	596,336	9	920,743	13	324,407	5
08-10	7,222,774	620,888	9	920,743	13	299,855	4
09-11	2,272,945	490,826	22	920,743	41	429,917	19
10-12	1,117,058	891,263	80	108,258	10	783,005-	70-
11-13	6,679,864	944,862	14	148,630	2	796,232-	12-
12-14	13,133,967	1,718,817	13	149,830	1	1,568,987-	12-
13-15	13,126,309	1,314,308	10	41,572	0	1,272,735-	10-
14-16	9,339,495	1,390,254	15	1,200	0	1,389,054-	15-
15-17	4,752,628	373,464	8	1,917	0	371,548-	8-
16-18	4,660,116	363,585	8	1,917	0	361,668-	8-
FIVE-YEAR AVERAGE							
14-18	7,077,393	957,436	14	1,870	0	955,566-	14-

AMEREN MISSOURI

ACCOUNT 323 TURBOGENERATOR UNITS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	137,027		0		0		0
1987							
1988	75,669		0		0		0
1989		1,003				1,003-	
1990	51,568		0		0		0
1991	1,589,733		0		0		0
1992	58,788		0		0		0
1993	336,676		0		0		0
1994	363,809		0		0		0
1995	479,949	5,631	1		0	5,631-	1-
1996	1,080,535	1,899	0	1,486	0	413-	0
1997		258-		2,404		2,662	
1998	569,952		0		0		0
1999	1,209,226		0		0		0
2000	44,906		0		0		0
2001		1,573,569				1,573,569-	
2002	1,573,936	4,745	0		0	4,745-	0
2003	161,513	6,541	4		0	6,541-	4-
2004	6,132,718	10,000	0		0	10,000-	0
2005	42,743,577		0		0		0
2006	1,110,507	814,042	73		0	814,042-	73-
2007		421,341		374,809		46,532-	
2008	11,154,798	478,676	4		0	478,676-	4-
2009	7,531,966	2,677,227	36		0	2,677,227-	36-
2010	1,908,976	20,794	1		0	20,794-	1-
2011	330,731	263,590	80		0	263,590-	80-
2012	605,785	203,248	34		0	203,248-	34-
2013	21,610,793	1,038,301	5	641,053	3	397,249-	2-
2014	2,645,174	27,725	1		0	27,725-	1-
2015	663,514	340,988	51		0	340,988-	51-
2016	3,911,028	616,422	16		0	616,422-	16-
2017	6,895,370	3,537,783	51		0	3,537,783-	51-
2018	2,020,349	120,286	6	461,170	23	340,883	17
TOTAL	116,998,570	12,163,553	10	1,480,921	1	10,682,631-	9-

THREE-YEAR MOVING AVERAGES

86-88	70,899		0		0		0
87-89	25,223	334	1		0	334-	1-
88-90	42,412	334	1		0	334-	1-
89-91	547,100	334	0		0	334-	0
90-92	566,696		0		0		0

AMEREN MISSOURI

ACCOUNT 323 TURBOGENERATOR UNITS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
91-93	661,732		0		0		0
92-94	253,091		0		0		0
93-95	393,478	1,877	0		0	1,877-	0
94-96	641,431	2,510	0	495	0	2,015-	0
95-97	520,161	2,424	0	1,297	0	1,127-	0
96-98	550,162	547	0	1,297	0	750	0
97-99	593,059	86-	0	801	0	887	0
98-00	608,028		0		0		0
99-01	418,044	524,523	125		0	524,523-	125-
00-02	539,614	526,105	97		0	526,105-	97-
01-03	578,483	528,285	91		0	528,285-	91-
02-04	2,622,722	7,095	0		0	7,095-	0
03-05	16,345,936	5,514	0		0	5,514-	0
04-06	16,662,267	274,681	2		0	274,681-	2-
05-07	14,618,028	411,794	3	124,936	1	286,858-	2-
06-08	4,088,435	571,353	14	124,936	3	446,416-	11-
07-09	6,228,921	1,192,414	19	124,936	2	1,067,478-	17-
08-10	6,865,247	1,058,899	15		0	1,058,899-	15-
09-11	3,257,224	987,204	30		0	987,204-	30-
10-12	948,497	162,544	17		0	162,544-	17-
11-13	7,515,769	501,713	7	213,684	3	288,029-	4-
12-14	8,287,250	423,091	5	213,684	3	209,407-	3-
13-15	8,306,494	469,005	6	213,684	3	255,321-	3-
14-16	2,406,572	328,378	14		0	328,378-	14-
15-17	3,823,304	1,498,398	39		0	1,498,398-	39-
16-18	4,275,582	1,424,830	33	153,723	4	1,271,107-	30-
FIVE-YEAR AVERAGE							
14-18	3,227,087	928,641	29	92,234	3	836,407-	26-

AMEREN MISSOURI

ACCOUNT 324 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1986	28,255		0	50,776	180	50,776	180
1987							
1988							
1989							
1990	37,743		0		0		0
1991	97,940		0		0		0
1992				3,100		3,100	
1993	66,079		0		0		0
1994							
1995	3,511,301		0		0		0
1996	86,005		0	15,100	18	15,100	18
1997							
1998							
1999	342,690		0		0		0
2000	1,374	3,129	228	12,080-	879-	15,209-	
2001	1,374-	52,200			0	52,200-	
2002							
2003	1,324,979		0	7,333	1	7,333	1
2004	679,462		0		0		0
2005							
2006							
2007				10,000		10,000	
2008	10,127	56,206	555		0	56,206-	555-
2009	158,805		0		0		0
2010	205,875	41,200	20	8,286	4	32,914-	16-
2011	93,577		0		0		0
2012	319,771	172,224	54		0	172,224-	54-
2013	6,676,712	571,945	9		0	571,945-	9-
2014	698,599	27,897	4		0	27,897-	4-
2015	627,879	73,808	12	29,632	5	44,175-	7-
2016	3,693,092	104,549	3		0	104,549-	3-
2017	2,169,500	203,271	9		0	203,271-	9-
2018	886,001		0		0		0
TOTAL	21,714,394	1,306,428	6	112,148	1	1,194,280-	5-

THREE-YEAR MOVING AVERAGES

86-88	9,418		0	16,925	180	16,925	180
87-89							
88-90	12,581		0		0		0
89-91	45,228		0		0		0
90-92	45,228		0	1,033	2	1,033	2

AMEREN MISSOURI

ACCOUNT 324 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
91-93	54,673		0	1,033	2	1,033	2
92-94	22,026		0	1,033	5	1,033	5
93-95	1,192,460		0		0		0
94-96	1,199,102		0	5,033	0	5,033	0
95-97	1,199,102		0	5,033	0	5,033	0
96-98	28,668		0	5,033	18	5,033	18
97-99	114,230		0		0		0
98-00	114,688	1,043	1	4,027-	4-	5,070-	4-
99-01	114,230	18,443	16	4,027-	4-	22,470-	20-
00-02		18,443		4,027-		22,470-	
01-03	441,202	17,400	4	2,444	1	14,956-	3-
02-04	668,147		0	2,444	0	2,444	0
03-05	668,147		0	2,444	0	2,444	0
04-06	226,487		0		0		0
05-07				3,333		3,333	
06-08	3,376	18,735	555	3,333	99	15,402-	456-
07-09	56,311	18,735	33	3,333	6	15,402-	27-
08-10	124,936	32,469	26	2,762	2	29,707-	24-
09-11	152,752	13,733	9	2,762	2	10,971-	7-
10-12	206,408	71,141	34	2,762	1	68,379-	33-
11-13	2,363,353	248,056	10		0	248,056-	10-
12-14	2,565,027	257,355	10		0	257,355-	10-
13-15	2,667,730	224,550	8	9,877	0	214,672-	8-
14-16	1,673,190	68,751	4	9,877	1	58,874-	4-
15-17	2,163,491	127,209	6	9,877	0	117,332-	5-
16-18	2,249,531	102,606	5		0	102,606-	5-
FIVE-YEAR AVERAGE							
14-18	1,615,014	81,905	5	5,926	0	75,978-	5-

AMEREN MISSOURI

ACCOUNT 325 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1986	823,268	6,923	1	441	0	6,482-	1-
1987	105,139		0	3,569	3	3,569	3
1988	1,272,483		0	48,003	4	48,003	4
1989	566,235		0	24,550	4	24,550	4
1990	11,658,124		0	13,652	0	13,652	0
1991	806,042		0	43,998	5	43,998	5
1992	1,466,400-	3,230	0	67,209	5-	63,979	4-
1993	1,252,774		0	3,542	0	3,542	0
1994	2,060,573		0	79,692	4	79,692	4
1995	1,567,235		0	37,626-	2-	37,626-	2-
1996	5,228,747		0	52,403	1	52,403	1
1997	1,867,508		0	187,842	10	187,842	10
1998	1,170,100		0	3,520	0	3,520	0
1999	5,356,015		0	7,703	0	7,703	0
2000	588,454		0	18,658	3	18,658	3
2001	1,515,006	103,929	7	5,220	0	98,709-	7-
2002	855,191		0	8,080	1	8,080	1
2003	3,639,865		0	3,425	0	3,425	0
2004	854,475		0		0		0
2005	2,146,228		0	1,000	0	1,000	0
2006	683,738	34,528	5	2,027	0	32,501-	5-
2007	109,960		0	38,000	35	38,000	35
2008	9,568,168	12,994	0		0	12,994-	0
2009	3,584,962	5,000	0		0	5,000-	0
2010	423,460	28,000	7	13,103	3	14,897-	4-
2011	848,943		0		0		0
2012	293,557	20,663	7	63,750	22	43,087	15
2013	18,614,766		0	39,256	0	39,256	0
2014	2,728,818		0		0		0
2015	387,059		0		0		0
2016	2,009,118		0		0		0
2017	44,815	8,080	18		0	8,080-	18-
2018							
TOTAL	81,164,427	223,347	0	691,018	1	467,671	1

THREE-YEAR MOVING AVERAGES

86-88	733,630	2,308	0	17,338	2	15,030	2
87-89	647,952		0	25,374	4	25,374	4
88-90	4,498,947		0	28,735	1	28,735	1
89-91	4,343,467		0	27,400	1	27,400	1
90-92	3,665,922	1,077	0	41,620	1	40,543	1

AMEREN MISSOURI

ACCOUNT 325 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
91-93	197,472	1,077	1	38,250	19	37,173	19
92-94	615,649	1,077	0	50,148	8	49,071	8
93-95	1,626,861		0	15,203	1	15,203	1
94-96	2,952,185		0	31,490	1	31,490	1
95-97	2,887,830		0	67,540	2	67,540	2
96-98	2,755,452		0	81,255	3	81,255	3
97-99	2,797,874		0	66,355	2	66,355	2
98-00	2,371,523		0	9,960	0	9,960	0
99-01	2,486,492	34,643	1	10,527	0	24,116-	1-
00-02	986,217	34,643	4	10,653	1	23,990-	2-
01-03	2,003,354	34,643	2	5,575	0	29,068-	1-
02-04	1,783,177		0	3,835	0	3,835	0
03-05	2,213,523		0	1,475	0	1,475	0
04-06	1,228,147	11,509	1	1,009	0	10,500-	1-
05-07	979,975	11,509	1	13,676	1	2,166	0
06-08	3,453,955	15,841	0	13,342	0	2,498-	0
07-09	4,421,030	5,998	0	12,667	0	6,669	0
08-10	4,525,530	15,331	0	4,368	0	10,964-	0
09-11	1,619,122	11,000	1	4,368	0	6,632-	0
10-12	521,987	16,221	3	25,618	5	9,397	2
11-13	6,585,755	6,888	0	34,335	1	27,448	0
12-14	7,212,380	6,888	0	34,335	0	27,448	0
13-15	7,243,547		0	13,085	0	13,085	0
14-16	1,708,332		0		0		0
15-17	813,664	2,693	0		0	2,693-	0
16-18	684,644	2,693	0		0	2,693-	0
FIVE-YEAR AVERAGE							
14-18	1,033,962	1,616	0		0	1,616-	0

AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	4,378	648	15	33-	1-	681-	16-
1962	6,737	1,300	19		0	1,300-	19-
1963	1,136	664	58		0	664-	58-
1964	2,431	217	9	16	1	201-	8-
1965	8,931	256	3	141	2	115-	1-
1966	4,957	114	2		0	114-	2-
1967	6-	75		120		45	750-
1968	468		0	36	8	36	8
1969	1,402		0	280	20	280	20
1970	16,902	44	0		0	44-	0
1971	186	1,974			0	1,974-	
1972	1,698	634	37		0	634-	37-
1973	1,070		0	205	19	205	19
1974	5,624	3,602	64		0	3,602-	64-
1975							
1976	179	427	239	15	8	412-	230-
1977	9,680	805	8		0	805-	8-
1978							
1979							
1980	734		0		0		0
1981	3,829	5,568	145		0	5,568-	145-
1982	22,706	15,417	68		0	15,417-	68-
1983	4,447		0		0		0
1984	418		0		0		0
1985	3,833	922	24		0	922-	24-
1986	7,936	235	3		0	235-	3-
1987	3,063		0		0		0
1988	2,295		0		0		0
1989	2,862	3,289	115		0	3,289-	115-
1990	10,341	2,400	23		0	2,400-	23-
1991	4,159	344	8		0	344-	8-
1992	46,213		0		0		0
1993	133,990		0	510	0	510	0
1994	33,075	645	2	12	0	633-	2-
1995	837		0		0		0
1996	2,578		0		0		0
1997	19,299		0		0		0
1998				20		20	
1999	25,978		0		0		0
2000	46,218	2,042	4	319	1	1,723-	4-
2001	10,802		0		0		0
2002	105,083	12,294	12		0	12,294-	12-
2003							

AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	119,259	24,740	21		0	24,740-	21-
2005	5,776	62,177		1,000	17	61,177-	
2006	87,526	115,937	132		0	115,937-	132-
2007			0	9,000		9,000	
2008		58,609				58,609-	
2009	18,403	1,506-	8-		0	1,506	8
2010	84,865		0		0		0
2011	19,428		0		0		0
2012	66,639		0		0		0
2013	1,007,382	15,026	1		0	15,026-	1-
2014	317,267	116,874	37		0	116,874-	37-
2015	5	28,800-			0	28,800	
2016	126,648		0		0		0
2017		50,000				50,000-	
2018	63,354	116,130	183		0	116,130-	183-
TOTAL	2,473,022	583,102	24	11,641	0	571,461-	23-

THREE-YEAR MOVING AVERAGES

61-63	4,084	871	21	11-	0	882-	22-
62-64	3,435	727	21	5	0	722-	21-
63-65	4,166	379	9	52	1	327-	8-
64-66	5,440	196	4	52	1	143-	3-
65-67	4,627	148	3	87	2	61-	1-
66-68	1,806	63	3	52	3	11-	1-
67-69	621	25	4	145	23	120	19
68-70	6,257	15	0	105	2	91	1
69-71	6,163	673	11	93	2	579-	9-
70-72	6,262	884	14		0	884-	14-
71-73	985	869	88	68	7	801-	81-
72-74	2,797	1,412	50	68	2	1,344-	48-
73-75	2,231	1,201	54	68	3	1,132-	51-
74-76	1,934	1,343	69	5	0	1,338-	69-
75-77	3,286	411	12	5	0	406-	12-
76-78	3,286	411	12	5	0	406-	12-
77-79	3,227	268	8		0	268-	8-
78-80	245		0		0		0
79-81	1,521	1,856	122		0	1,856-	122-
80-82	9,090	6,995	77		0	6,995-	77-
81-83	10,327	6,995	68		0	6,995-	68-
82-84	9,190	5,139	56		0	5,139-	56-
83-85	2,899	307	11		0	307-	11-

AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	4,062	386	9		0	386-	9-
85-87	4,944	386	8		0	386-	8-
86-88	4,431	78	2		0	78-	2-
87-89	2,740	1,096	40		0	1,096-	40-
88-90	5,166	1,896	37		0	1,896-	37-
89-91	5,787	2,011	35		0	2,011-	35-
90-92	20,238	915	5		0	915-	5-
91-93	61,454	115	0	170	0	55	0
92-94	71,093	215	0	174	0	41-	0
93-95	55,967	215	0	174	0	41-	0
94-96	12,163	215	2	4	0	211-	2-
95-97	7,571		0		0		0
96-98	7,292		0	7	0	7	0
97-99	15,092		0	7	0	7	0
98-00	24,065	681	3	113	0	568-	2-
99-01	27,666	681	2	106	0	574-	2-
00-02	54,035	4,779	9	106	0	4,672-	9-
01-03	38,629	4,098	11		0	4,098-	11-
02-04	74,781	12,345	17		0	12,345-	17-
03-05	41,678	28,972	70	333	1	28,639-	69-
04-06	70,854	67,618	95	333	0	67,284-	95-
05-07	31,101	59,371	191	3,333	11	56,038-	180-
06-08	29,176	58,182	199	3,000	10	55,182-	189-
07-09	6,134	19,035	310	3,000	49	16,035-	261-
08-10	34,423	19,035	55		0	19,035-	55-
09-11	40,899	502-	1-		0	502	1
10-12	56,977		0		0		0
11-13	364,483	5,008	1		0	5,008-	1-
12-14	463,762	43,966	9		0	43,966-	9-
13-15	441,551	34,366	8		0	34,366-	8-
14-16	147,973	29,358	20		0	29,358-	20-
15-17	42,218	7,067	17		0	7,067-	17-
16-18	63,334	55,377	87		0	55,377-	87-
FIVE-YEAR AVERAGE							
14-18	101,455	50,841	50		0	50,841-	50-

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	16,720		0	463	3	463	3
1962	4,225	315	7	574	14	259	6
1963	3,574		0	35	1	35	1
1964	6,288		0	290	5	290	5
1965	196		0		0		0
1966	22,503		0		0		0
1967							
1968	3,118	361	12	144	5	217-	7-
1969	3,478	236	7	179	5	57-	2-
1970	9,540		0	925	10	925	10
1971	8,942	10,409	116		0	10,409-	116-
1972	24,893	1,818	7		0	1,818-	7-
1973	23,212	1,272	5	1,589	7	317	1
1974				25		25	
1975							
1976	35,739	3,430	10	4,280	12	850	2
1977		4,062		150		3,912-	
1978	44,396	12,007	27	4,977	11	7,030-	16-
1979				250-		250-	
1980		72,690				72,690-	
1981	72,797		0		0		0
1982	2,130-	741	35-	725	34-	16-	1
1983							
1984							
1985							
1986	63,902		0	13,256	21	13,256	21
1987	2,190	978	45		0	978-	45-
1988							
1989		2,220				2,220-	
1990	46,111	14,000	30		0	14,000-	30-
1991	113,466	51,065	45		0	51,065-	45-
1992		4,005				4,005-	
1993	57,200		0		0		0
1994	37,747-		0		0		0
1995	61,478		0		0		0
1996	26,577		0	1,000	4	1,000	4
1997	41,920		0		0		0
1998	44,636		0		0		0
1999	5,410		0		0		0
2000				477		477	
2001	1,293		0		0		0
2002							
2003							

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	22,642		0		0		0
2005	29,356		0		0		0
2006	252,915		0		0		0
2007	210,333		0		0		0
2008	395,827-		0		0		0
2009							
2010	24,025		0		0		0
2011							
2012	107,481		0		0		0
2013	598,573		0		0		0
2014	24,500	46,504	190		0	46,504-	190-
2015	1		0		0		0
2016	161,797	15,358	9		0	15,358-	9-
2017	39,784	41,974	106		0	41,974-	106-
2018							
TOTAL	1,779,506	283,445	16	28,839	2	254,606-	14-

THREE-YEAR MOVING AVERAGES

61-63	8,173	105	1	357	4	252	3
62-64	4,696	105	2	300	6	195	4
63-65	3,353		0	108	3	108	3
64-66	9,662		0	97	1	97	1
65-67	7,566		0		0		0
66-68	8,540	120	1	48	1	72-	1-
67-69	2,199	199	9	108	5	91-	4-
68-70	5,379	199	4	416	8	217	4
69-71	7,320	3,548	48	368	5	3,180-	43-
70-72	14,458	4,076	28	308	2	3,767-	26-
71-73	19,016	4,500	24	530	3	3,970-	21-
72-74	16,035	1,030	6	538	3	492-	3-
73-75	7,737	424	5	538	7	114	1
74-76	11,913	1,143	10	1,435	12	292	2
75-77	11,913	2,497	21	1,477	12	1,021-	9-
76-78	26,712	6,500	24	3,136	12	3,364-	13-
77-79	14,799	5,356	36	1,626	11	3,731-	25-
78-80	14,799	28,232	191	1,576	11	26,657-	180-
79-81	24,266	24,230	100	83-	0	24,313-	100-
80-82	23,556	24,477	104	242	1	24,235-	103-
81-83	23,556	247	1	242	1	5-	0
82-84	710-	247	35-	242	34-	5-	1
83-85							

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	21,301		0	4,419	21	4,419	21
85-87	22,031	326	1	4,419	20	4,093	19
86-88	22,031	326	1	4,419	20	4,093	19
87-89	730	1,066	146		0	1,066-	146-
88-90	15,370	5,407	35		0	5,407-	35-
89-91	53,192	22,428	42		0	22,428-	42-
90-92	53,192	23,023	43		0	23,023-	43-
91-93	56,889	18,357	32		0	18,357-	32-
92-94	6,484	1,335	21		0	1,335-	21-
93-95	26,977		0		0		0
94-96	16,769		0	333	2	333	2
95-97	43,325		0	333	1	333	1
96-98	37,711		0	333	1	333	1
97-99	30,655		0		0		0
98-00	16,682		0	159	1	159	1
99-01	2,234		0	159	7	159	7
00-02	431		0	159	37	159	37
01-03	431		0		0		0
02-04	7,547		0		0		0
03-05	17,333		0		0		0
04-06	101,638		0		0		0
05-07	164,202		0		0		0
06-08	22,474		0		0		0
07-09	61,831-		0		0		0
08-10	123,934-		0		0		0
09-11	8,008		0		0		0
10-12	43,835		0		0		0
11-13	235,351		0		0		0
12-14	243,518	15,501	6		0	15,501-	6-
13-15	207,691	15,501	7		0	15,501-	7-
14-16	62,099	20,621	33		0	20,621-	33-
15-17	67,194	19,111	28		0	19,111-	28-
16-18	67,194	19,111	28		0	19,111-	28-
FIVE-YEAR AVERAGE							
14-18	45,216	20,767	46		0	20,767-	46-

AMEREN MISSOURI

ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961		46				46-	
1962							
1963							
1964	7,406	267	4		0	267-	4-
1965							
1966	1,481-		0		0		0
1967							
1968							
1969							
1970							
1971	3,350		0		0		0
1972	698-		0	20	3-	20	3-
1973							
1974							
1975							
1976							
1977							
1978							
1979	564	301	53		0	301-	53-
1980							
1981							
1982	5,325	709	13		0	709-	13-
1983							
1984		192				192-	
1985							
1986							
1987							
1988							
1989							
1990	4,869		0		0		0
1991	27,297	68,529	251		0	68,529-	251-
1992	54,735	30,355	55	61	0	30,294-	55-
1993	201,751		0	1,500	1	1,500	1
1994	201,617	158,250	78		0	158,250-	78-
1995	28,938		0		0		0
1996	19,919		0		0		0
1997	642		0		0		0
1998	109,983	546,343	497		0	546,343-	497-
1999	3,052,696	424,374-	14-		0	424,374	14
2000							
2001	41,090	1,075,430			0	1,075,430-	
2002	304,500	1,045,311	343	2,894	1	1,042,417-	342-
2003	168,765	513,448	304		0	513,448-	304-

Schedule JJS-D2

AMEREN MISSOURI

ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	1,187,517	222,819	19		0	222,819-	19-
2005	123,581	81,527	66		0	81,527-	66-
2006	90,043		0	1,725	2	1,725	2
2007		500,000				500,000-	
2008		934,669				934,669-	
2009	893,327	334,759	37	6,538	1	328,221-	37-
2010	567,487	789,626	139		0	789,626-	139-
2011	39,163	351,561	898	2,238	6	349,323-	892-
2012	768,089	509,544	66	63,140	8	446,404-	58-
2013	1,123,855		0	5,570	0	5,570	0
2014	1,242,864	303,973	24	1,685	0	302,288-	24-
2015	1,474,124	179,339	12	11,459	1	167,880-	11-
2016	474,241	951,636	201	2,120	0	949,516-	200-
2017	561,008	166,124	30	1,903	0	164,221-	29-
2018	1,188,529	3,510,576	295	5,930	0	3,504,647-	295-
TOTAL	13,965,096	11,850,961	85	106,783	1	11,744,178-	84-

THREE-YEAR MOVING AVERAGES

61-63			15				15-
62-64	2,469		89	4		0	89- 4-
63-65	2,469		89	4		0	89- 4-
64-66	1,975		89	5		0	89- 5-
65-67	494-			0		0	0
66-68	494-			0		0	0
67-69							
68-70							
69-71	1,117			0		0	0
70-72	884			0	7	1	7 1
71-73	884			0	7	1	7 1
72-74	233-			0	7	3-	7 3-
73-75							
74-76							
75-77							
76-78							
77-79	188	100	53			0	100- 53-
78-80	188	100	53			0	100- 53-
79-81	188	100	53			0	100- 53-
80-82	1,775	236	13			0	236- 13-
81-83	1,775	236	13			0	236- 13-
82-84	1,775	300	17			0	300- 17-
83-85		64					64-

AMEREN MISSOURI

ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86			64			64-	
85-87							
86-88							
87-89							
88-90	1,623		0		0		0
89-91	10,722	22,843	213		0	22,843-	213-
90-92	28,967	32,961	114	20	0	32,941-	114-
91-93	94,594	32,961	35	520	1	32,441-	34-
92-94	152,701	62,868	41	520	0	62,348-	41-
93-95	144,102	52,750	37	500	0	52,250-	36-
94-96	83,491	52,750	63		0	52,750-	63-
95-97	16,500		0		0		0
96-98	43,515	182,114	419		0	182,114-	419-
97-99	1,054,440	40,656	4		0	40,656-	4-
98-00	1,054,226	40,656	4		0	40,656-	4-
99-01	1,031,262	217,019	21		0	217,019-	21-
00-02	115,197	706,914	614	965	1	705,949-	613-
01-03	171,452	878,063	512	965	1	877,098-	512-
02-04	553,594	593,860	107	965	0	592,895-	107-
03-05	493,287	272,598	55		0	272,598-	55-
04-06	467,047	101,449	22	575	0	100,874-	22-
05-07	71,208	193,842	272	575	1	193,267-	271-
06-08	30,014	478,223		575	2	477,648-	
07-09	297,776	589,809	198	2,179	1	587,630-	197-
08-10	486,938	686,351	141	2,179	0	684,172-	141-
09-11	499,992	491,982	98	2,925	1	489,057-	98-
10-12	458,246	550,244	120	21,793	5	528,451-	115-
11-13	643,702	287,035	45	23,649	4	263,386-	41-
12-14	1,044,936	271,172	26	23,465	2	247,707-	24-
13-15	1,280,281	161,104	13	6,238	0	154,866-	12-
14-16	1,063,743	478,316	45	5,088	0	473,228-	44-
15-17	836,458	432,366	52	5,161	1	427,206-	51-
16-18	741,259	1,542,779	208	3,317	0	1,539,461-	208-
FIVE-YEAR AVERAGE							
14-18	988,153	1,022,330	103	4,619	0	1,017,710-	103-

AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	822	200	24		0	200-	24-
1962	14,314		0	108-	1-	108-	1-
1963				15		15	
1964	239		0		0		0
1965							
1966	1,294	47	4	7	1	40-	3-
1967							
1968	613	368	60		0	368-	60-
1969				1,198		1,198	
1970	1,132	513	45		0	513-	45-
1971							
1972	9,511-		0	3,505	37-	3,505	37-
1973							
1974	8,259	217	3	60	1	157-	2-
1975							
1976	821	540	66		0	540-	66-
1977	8,449	1,029	12	570	7	459-	5-
1978	5,063	455-	9-		0	455	9
1979	16,959	5,812	34	1,050	6	4,762-	28-
1980							
1981							
1982		7,972				7,972-	
1983	4,920	10,978	223		0	10,978-	223-
1984	38,307	6,260	16		0	6,260-	16-
1985	386		0	559	145	559	145
1986							
1987	86,761		0		0		0
1988	32,653	349	1		0	349-	1-
1989	7,688	966	13		0	966-	13-
1990	36,080	1,850	5		0	1,850-	5-
1991	106,170		0		0		0
1992	5,781		0		0		0
1993	79,831		0		0		0
1994							
1995	174,281		0	2,500	1	2,500	1
1996	119,800		0	52	0	52	0
1997							
1998	163,886		0		0		0
1999							
2000							
2001	204,085		0		0		0
2002	57,662		0		0		0
2003	1,140,000	24,750	2		0	24,750-	2-

AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	98,590	27,000	27		0	27,000-	27-
2005	114,103	89,300	78		0	89,300-	78-
2006							
2007							
2008	55,542		0		0		0
2009	118,037	55,000	47		0	55,000-	47-
2010	148,592		0		0		0
2011				92,943		92,943	
2012	709,139		0		0		0
2013	2,570,705	17,516	1	130,000	5	112,484	4
2014	186,734	2,000	1	102,331	55	100,331	54
2015	10		0		0		0
2016	196,217		0	6,490	3	6,490	3
2017	417,232	109,166	26	45,536	11	63,630-	15-
2018	21,454	60,445	282	1,276	6	59,169-	276-
TOTAL	6,943,101	421,823	6	387,984	6	33,838-	0

THREE-YEAR MOVING AVERAGES

61-63	5,045	67	1	31-	1-	98-	2-
62-64	4,851		0	31-	1-	31-	1-
63-65	80		0	5	6	5	6
64-66	511	16	3	2	0	13-	3-
65-67	431	16	4	2	1	13-	3-
66-68	636	138	22	2	0	136-	21-
67-69	204	123	60	399	195	277	135
68-70	582	294	50	399	69	106	18
69-71	377	171	45	399	106	228	61
70-72	2,793-	171	6-	1,168	42-	997	36-
71-73	3,170-		0	1,168	37-	1,168	37-
72-74	417-	72	17-	1,188	285-	1,116	267-
73-75	2,753	72	3	20	1	52-	2-
74-76	3,027	252	8	20	1	232-	8-
75-77	3,090	523	17	190	6	333-	11-
76-78	4,778	371	8	190	4	181-	4-
77-79	10,157	2,129	21	540	5	1,589-	16-
78-80	7,341	1,786	24	350	5	1,436-	20-
79-81	5,653	1,937	34	350	6	1,587-	28-
80-82		2,657				2,657-	
81-83	1,640	6,317	385		0	6,317-	385-
82-84	14,409	8,403	58		0	8,403-	58-
83-85	14,538	5,746	40	186	1	5,560-	38-

AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	12,898	2,087	16	186	1	1,900-	15-
85-87	29,049		0	186	1	186	1
86-88	39,805	116	0		0	116-	0
87-89	42,367	438	1		0	438-	1-
88-90	25,474	1,055	4		0	1,055-	4-
89-91	49,979	939	2		0	939-	2-
90-92	49,344	617	1		0	617-	1-
91-93	63,927		0		0		0
92-94	28,537		0		0		0
93-95	84,704		0	833	1	833	1
94-96	98,027		0	851	1	851	1
95-97	98,027		0	851	1	851	1
96-98	94,562		0	17	0	17	0
97-99	54,629		0		0		0
98-00	54,629		0		0		0
99-01	68,028		0		0		0
00-02	87,249		0		0		0
01-03	467,249	8,250	2		0	8,250-	2-
02-04	432,084	17,250	4		0	17,250-	4-
03-05	450,898	47,017	10		0	47,017-	10-
04-06	70,898	38,767	55		0	38,767-	55-
05-07	38,034	29,767	78		0	29,767-	78-
06-08	18,514		0		0		0
07-09	57,860	18,333	32		0	18,333-	32-
08-10	107,390	18,333	17		0	18,333-	17-
09-11	88,876	18,333	21	30,981	35	12,648	14
10-12	285,910		0	30,981	11	30,981	11
11-13	1,093,281	5,839	1	74,314	7	68,476	6
12-14	1,155,526	6,505	1	77,444	7	70,938	6
13-15	919,150	6,505	1	77,444	8	70,938	8
14-16	127,654	667	1	36,274	28	35,607	28
15-17	204,486	36,389	18	17,342	8	19,047-	9-
16-18	211,634	56,537	27	17,767	8	38,770-	18-
FIVE-YEAR AVERAGE							
14-18	164,329	34,322	21	31,127	19	3,195-	2-

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	4,218		0	663	16	663	16
1962	5,841-	108	2-	540	9-	432	7-
1963	4,240		0	685	16	685	16
1964	9,814		0	50	1	50	1
1965	3,721	123	3	992	27	869	23
1966	4,960	115	2	618	12	503	10
1967	6,622		0	1,815	27	1,815	27
1968	1,243		0	69	6	69	6
1969	4,638		0	817	18	817	18
1970	1,053		0		0		0
1971	3,391		0	1,320	39	1,320	39
1972	7,389		0	961	13	961	13
1973	2,579	1,476	57		0	1,476-	57-
1974	1,254		0		0		0
1975	5,398		0	1,632	30	1,632	30
1976	2,640		0		0		0
1977	2,478		0	936	38	936	38
1978	10,876		0	778	7	778	7
1979	9,774	75	1	957	10	882	9
1980	1,285		0		0		0
1981	2,393		0		0		0
1982	11,642		0		0		0
1983	18,688		0		0		0
1984	5,866		0		0		0
1985	2,350		0		0		0
1986	9,489	793	8		0	793-	8-
1987	7,913	1,447	18		0	1,447-	18-
1988	6,036	737	12		0	737-	12-
1989	2,961		0		0		0
1990	20,779		0	975	5	975	5
1991	43,168		0	157	0	157	0
1992	3,179		0	5,330	168	5,330	168
1993	35,567		0		0		0
1994	37,974		0	232	1	232	1
1995	6,681		0		0		0
1996	6,334		0	174	3	174	3
1997							
1998	20,518		0	400	2	400	2
1999							
2000	99,724		0		0		0
2001	10,263		0		0		0
2002	43,068		0		0		0
2003	30,044		0		0		0

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	70,199		0		0		0
2005	9,437		0		0		0
2006	6,784		0		0		0
2007	54,761		0		0		0
2008	19,059		0		0		0
2009	15,686	48,095	307		0	48,095-	307-
2010	109,942	3,874-	4-	5,000	5	8,874	8
2011		4,471				4,471-	
2012	113,424		0	744	1	744	1
2013	658,009		0	6,975	1	6,975	1
2014	272,764		0		0		0
2015	47,016		0		0		0
2016							
2017	101,899		0	3,000	3	3,000	3
2018	132,153		0	18,595	14	18,595	14
TOTAL	2,117,502	53,566	3	54,415	3	849	0

THREE-YEAR MOVING AVERAGES

61-63	872	36	4	629	72	593	68
62-64	2,738	36	1	425	16	389	14
63-65	5,925	41	1	576	10	535	9
64-66	6,165	79	1	553	9	474	8
65-67	5,101	79	2	1,142	22	1,062	21
66-68	4,275	38	1	834	20	796	19
67-69	4,168		0	900	22	900	22
68-70	2,311		0	295	13	295	13
69-71	3,027		0	712	24	712	24
70-72	3,944		0	760	19	760	19
71-73	4,453	492	11	760	17	268	6
72-74	3,741	492	13	320	9	172-	5-
73-75	3,077	492	16	544	18	52	2
74-76	3,097		0	544	18	544	18
75-77	3,505		0	856	24	856	24
76-78	5,331		0	571	11	571	11
77-79	7,709	25	0	890	12	865	11
78-80	7,312	25	0	578	8	553	8
79-81	4,484	25	1	319	7	294	7
80-82	5,107		0		0		0
81-83	10,908		0		0		0
82-84	12,065		0		0		0
83-85	8,968		0		0		0

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	5,902	264	4		0	264-	4-
85-87	6,584	747	11		0	747-	11-
86-88	7,813	992	13		0	992-	13-
87-89	5,637	728	13		0	728-	13-
88-90	9,925	246	2	325	3	79	1
89-91	22,303		0	377	2	377	2
90-92	22,375		0	2,154	10	2,154	10
91-93	27,305		0	1,829	7	1,829	7
92-94	25,573		0	1,854	7	1,854	7
93-95	26,741		0	77	0	77	0
94-96	16,996		0	135	1	135	1
95-97	4,338		0	58	1	58	1
96-98	8,951		0	191	2	191	2
97-99	6,839		0	133	2	133	2
98-00	40,081		0	133	0	133	0
99-01	36,662		0		0		0
00-02	51,018		0		0		0
01-03	27,792		0		0		0
02-04	47,770		0		0		0
03-05	36,560		0		0		0
04-06	28,807		0		0		0
05-07	23,661		0		0		0
06-08	26,868		0		0		0
07-09	29,835	16,032	54		0	16,032-	54-
08-10	48,229	14,740	31	1,667	3	13,074-	27-
09-11	41,876	16,231	39	1,667	4	14,564-	35-
10-12	74,456	199	0	1,915	3	1,716	2
11-13	257,144	1,490	1	2,573	1	1,083	0
12-14	348,066		0	2,573	1	2,573	1
13-15	325,929		0	2,325	1	2,325	1
14-16	106,593		0		0		0
15-17	49,638		0	1,000	2	1,000	2
16-18	78,017		0	7,198	9	7,198	9
FIVE-YEAR AVERAGE							
14-18	110,766		0	4,319	4	4,319	4

AMEREN MISSOURI

ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1979	962		0		0		0
1980							
1981							
1982							
1983							
1984							
1985	598	9,590			0	9,590-	
1986	3,317	292	9		0	292-	9-
1987		6,806				6,806-	
1988	47,754	1,163	2		0	1,163-	2-
1989		15,366				15,366-	
1990	13,723	31,387	229		0	31,387-	229-
1991	17,762	3,260	18		0	3,260-	18-
1992							
1993							
1994	787		0		0		0
1995							
1996	93,210	7,886	8	50,000	54	42,114	45
1997		310,594		202,525		108,069-	
1998							
1999							
2000							
2001	19,320	1,540	8		0	1,540-	8-
2002							
2003		562,839				562,839-	
2004		562,839-		52,000		614,839	
2005	5		0		0		0
2006	25,665		0		0		0
2007							
2008							
2009	46,226	5,000	11		0	5,000-	11-
2010	84,860	14,000	16		0	14,000-	16-
2011	1,151,455		0		0		0
2012		29,190				29,190-	
2013	399,756	15,002	4		0	15,002-	4-
2014	257,647		0		0		0
2015	312,013		0		0		0
2016	1,584		0		0		0
2017	12,280	5,021	41		0	5,021-	41-
2018	42,759	1,466	3		0	1,466-	3-
TOTAL	2,531,683	457,563	18	304,525	12	153,038-	6-

AMEREN MISSOURI

ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
79-81	321		0		0		0
80-82							
81-83							
82-84							
83-85	199	3,197			0	3,197-	
84-86	1,305	3,294	252		0	3,294-	252-
85-87	1,305	5,563	426		0	5,563-	426-
86-88	17,024	2,754	16		0	2,754-	16-
87-89	15,918	7,778	49		0	7,778-	49-
88-90	20,492	15,972	78		0	15,972-	78-
89-91	10,495	16,671	159		0	16,671-	159-
90-92	10,495	11,549	110		0	11,549-	110-
91-93	5,921	1,087	18		0	1,087-	18-
92-94	262		0		0		0
93-95	262		0		0		0
94-96	31,332	2,629	8	16,667	53	14,038	45
95-97	31,070	106,160	342	84,175	271	21,985-	71-
96-98	31,070	106,160	342	84,175	271	21,985-	71-
97-99		103,531		67,508		36,023-	
98-00							
99-01	6,440	513	8		0	513-	8-
00-02	6,440	513	8		0	513-	8-
01-03	6,440	188,126			0	188,126-	
02-04				17,333		17,333	
03-05	2		0	17,333		17,333	
04-06	8,557	187,613-		17,333	203	204,946	
05-07	8,557		0		0		0
06-08	8,555		0		0		0
07-09	15,409	1,667	11		0	1,667-	11-
08-10	43,695	6,333	14		0	6,333-	14-
09-11	427,514	6,333	1		0	6,333-	1-
10-12	412,105	14,397	3		0	14,397-	3-
11-13	517,070	14,731	3		0	14,731-	3-
12-14	219,134	14,731	7		0	14,731-	7-
13-15	323,138	5,001	2		0	5,001-	2-
14-16	190,415		0		0		0

AMEREN MISSOURI

ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
15-17	108,625	1,674	2		0	1,674-	2-
16-18	18,874	2,162	11		0	2,162-	11-
FIVE-YEAR AVERAGE							
14-18	125,256	1,297	1		0	1,297-	1-

AMEREN MISSOURI

ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1986	277		0		0		0
1987							
1988	92,390	28,582	31		0	28,582-	31-
1989		1,408				1,408-	
1990							
1991							
1992							
1993							
1994							
1995							
1996	4,207	4,081	97		0	4,081-	97-
1997	83,579		0		0		0
1998	35,407		0		0		0
1999							
2000							
2001							
2002	35,910		0		0		0
2003							
2004							
2005							
2006							
2007	460		0		0		0
2008	45,473		0		0		0
2009							
2010							
2011	72,133		0		0		0
2012		6,206				6,206-	
2013	193,392	2,990	2		0	2,990-	2-
2014	70,280		0		0		0
2015	627,590		0		0		0
2016	434,509	30,000	7	1,242	0	28,758-	7-
2017	70,000		0		0		0
2018	99,474	91,098	92		0	91,098-	92-
TOTAL	1,865,080	164,365	9	1,242	0	163,123-	9-

THREE-YEAR MOVING AVERAGES

86-88	30,889	9,527	31		0	9,527-	31-
87-89	30,797	9,997	32		0	9,997-	32-
88-90	30,797	9,997	32		0	9,997-	32-
89-91		469				469-	
90-92							

AMEREN MISSOURI

ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
91-93							
92-94							
93-95							
94-96	1,402	1,360	97		0	1,360-	97-
95-97	29,262	1,360	5		0	1,360-	5-
96-98	41,064	1,360	3		0	1,360-	3-
97-99	39,662		0		0		0
98-00	11,802		0		0		0
99-01							
00-02	11,970		0		0		0
01-03	11,970		0		0		0
02-04	11,970		0		0		0
03-05							
04-06							
05-07	153		0		0		0
06-08	15,311		0		0		0
07-09	15,311		0		0		0
08-10	15,158		0		0		0
09-11	24,044		0		0		0
10-12	24,044	2,068	9		0	2,068-	9-
11-13	88,508	3,065	3		0	3,065-	3-
12-14	87,891	3,065	3		0	3,065-	3-
13-15	297,087	997	0		0	997-	0
14-16	377,460	10,000	3	414	0	9,586-	3-
15-17	377,366	10,000	3	414	0	9,586-	3-
16-18	201,327	40,366	20	414	0	39,952-	20-
FIVE-YEAR AVERAGE							
14-18	260,370	24,220	9	248	0	23,971-	9-

AMEREN MISSOURI

ACCOUNT 344 GENERATORS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1971	528		0		0		0
1972							
1973							
1974							
1975							
1976							
1977							
1978							
1979							
1980							
1981							
1982							
1983							
1984							
1985							
1986							
1987	52,210	2,000	4		0	2,000-	4-
1988	170,685		0	16,300	10	16,300	10
1989	6,140-		0	146,700		146,700	
1990							
1991							
1992							
1993							
1994							
1995							
1996	866,292		0		0		0
1997							
1998							
1999	2,812	60,866-			0	60,866	
2000	94,217	104,587	111		0	104,587-	111-
2001	20,330		0		0		0
2002		5,000				5,000-	
2003		76,260				76,260-	
2004	42,469		0		0		0
2005	57,093-		0		0		0
2006	23,511		0		0		0
2007			0		0		0
2008	1,100,381		0		0		0
2009	456,826	22,166	5		0	22,166-	5-
2010	123,540		0		0		0
2011	5,926,931	140,000	2	577,500	10	437,500	7
2012	280,966	139,105	50		0	139,105-	50-
2013	8,605,108	322,344	4	78,050	1	244,294-	3-

AMEREN MISSOURI

ACCOUNT 344 GENERATORS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2014	3,877,375	266,189	7	25,478	1	240,711-	6-
2015	3,944,841	190,624	5	166,000	4	24,624-	1-
2016	3,272,843	17,026	1		0	17,026-	1-
2017	323,585	40,432	12		0	40,432-	12-
2018	2,319,439	384,140	17		0	384,140-	17-
TOTAL	31,441,656	1,649,006	5	1,010,028	3	638,978-	2-

THREE-YEAR MOVING AVERAGES

71-73	176		0		0		0
72-74							
73-75							
74-76							
75-77							
76-78							
77-79							
78-80							
79-81							
80-82							
81-83							
82-84							
83-85							
84-86							
85-87	17,403	667	4		0	667-	4-
86-88	74,298	667	1	5,433	7	4,767	6
87-89	72,252	667	1	54,333	75	53,667	74
88-90	54,848		0	54,333	99	54,333	99
89-91	2,047-		0	48,900		48,900	
90-92							
91-93							
92-94							
93-95							
94-96	288,764		0		0		0
95-97	288,764		0		0		0
96-98	288,764		0		0		0
97-99	937	20,289-			0	20,289	
98-00	32,343	14,574	45		0	14,574-	45-
99-01	39,120	14,574	37		0	14,574-	37-
00-02	38,182	36,529	96		0	36,529-	96-
01-03	6,777	27,087	400		0	27,087-	400-
02-04	14,156	27,087	191		0	27,087-	191-
03-05	4,875-	25,420	521-		0	25,420-	521-

AMEREN MISSOURI

ACCOUNT 344 GENERATORS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
04-06	2,963		0		0		0
05-07	11,194-		0		0		0
06-08	374,631		0		0		0
07-09	519,069	7,389	1		0	7,389-	1-
08-10	560,249	7,389	1		0	7,389-	1-
09-11	2,169,099	54,055	2	192,500	9	138,445	6
10-12	2,110,479	93,035	4	192,500	9	99,465	5
11-13	4,937,669	200,483	4	218,517	4	18,034	0
12-14	4,254,483	242,546	6	34,509	1	208,037-	5-
13-15	5,475,775	259,719	5	89,843	2	169,876-	3-
14-16	3,698,353	157,946	4	63,826	2	94,120-	3-
15-17	2,513,757	82,694	3	55,333	2	27,361-	1-
16-18	1,971,956	147,199	7		0	147,199-	7-
FIVE-YEAR AVERAGE							
14-18	2,747,617	179,682	7	38,296	1	141,387-	5-

AMEREN MISSOURI

ACCOUNT 345 ACCESSORY ELECTRICAL EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1987	25,976	1,682	6		0	1,682-	6-
1988	99,042		0		0		0
1989		433				433-	
1990	11,841		0		0		0
1991							
1992	1,355		0		0		0
1993							
1994							
1995							
1996	77,234	200	0		0	200-	0
1997							
1998	55,353		0		0		0
1999	44,328		0		0		0
2000							
2001	44,311		0		0		0
2002							
2003	3,445		0		0		0
2004							
2005	23,334		0		0		0
2006	65,004		0		0		0
2007	11,375		0		0		0
2008							
2009	121,497		0		0		0
2010	1,265,603	96,069	8		0	96,069-	8-
2011	1,004,876		0		0		0
2012	99,215	33,000	33		0	33,000-	33-
2013	1,888,813		0		0		0
2014	1,744,165	18,800	1	165,787	10	146,987	8
2015	1,348,313	47,686	4	93,198	7	45,512	3
2016	1,898	32,894		16,266	857	16,628-	876-
2017	95,035	4,112	4		0	4,112-	4-
2018	397,680		0		0		0
TOTAL	8,429,692	234,877	3	275,251	3	40,374	0

THREE-YEAR MOVING AVERAGES

87-89	41,673	705	2		0	705-	2-
88-90	36,961	144	0		0	144-	0
89-91	3,947	144	4		0	144-	4-
90-92	4,399		0		0		0
91-93	452		0		0		0
92-94	452		0		0		0

AMEREN MISSOURI

ACCOUNT 345 ACCESSORY ELECTRICAL EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
93-95							
94-96	25,745	67	0		0	67-	0
95-97	25,745	67	0		0	67-	0
96-98	44,196	67	0		0	67-	0
97-99	33,227		0		0		0
98-00	33,227		0		0		0
99-01	29,546		0		0		0
00-02	14,770		0		0		0
01-03	15,918		0		0		0
02-04	1,148		0		0		0
03-05	8,926		0		0		0
04-06	29,446		0		0		0
05-07	33,238		0		0		0
06-08	25,460		0		0		0
07-09	44,291		0		0		0
08-10	462,367	32,023	7		0	32,023-	7-
09-11	797,325	32,023	4		0	32,023-	4-
10-12	789,898	43,023	5		0	43,023-	5-
11-13	997,635	11,000	1		0	11,000-	1-
12-14	1,244,064	17,267	1	55,262	4	37,996	3
13-15	1,660,430	22,162	1	86,328	5	64,166	4
14-16	1,031,459	33,127	3	91,750	9	58,624	6
15-17	481,749	28,231	6	36,488	8	8,257	2
16-18	164,871	12,335	7	5,422	3	6,913-	4-
FIVE-YEAR AVERAGE							
14-18	717,418	20,699	3	55,050	8	34,352	5

AMEREN MISSOURI

ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1976	285		0		0		0
1977							
1978							
1979							
1980							
1981							
1982							
1983							
1984				200		200	
1985	210		0		0		0
1986							
1987	228		0		0		0
1988	580		0		0		0
1989							
1990				175		175	
1991							
1992							
1993							
1994							
1995							
1996							
1997							
1998							
1999							
2000							
2001							
2002							
2003	83,576		0	8,835	11	8,835	11
2004							
2005	1,193		0		0		0
2006	272,948		0		0		0
2007	666		0		0		0
2008				750		750	
2009							
2010							
2011	572,435		0		0		0
2012	6,651		0	4,198	63	4,198	63
2013	59,453		0		0		0
2014	150,322		0		0		0
2015	3,291		0		0		0
2016							

AMEREN MISSOURI

ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2017	3,757		0	13,950	371	13,950	371
2018	40,005		0		0		0
TOTAL	1,195,600		0	28,108	2	28,108	2

THREE-YEAR MOVING AVERAGES

76-78	95		0		0		0
77-79							
78-80							
79-81							
80-82							
81-83							
82-84				67		67	
83-85	70		0	67	95	67	95
84-86	70		0	67	95	67	95
85-87	146		0		0		0
86-88	269		0		0		0
87-89	269		0		0		0
88-90	193		0	58	30	58	30
89-91				58		58	
90-92				58		58	
91-93							
92-94							
93-95							
94-96							
95-97							
96-98							
97-99							
98-00							
99-01							
00-02							
01-03	27,858		0	2,945	11	2,945	11
02-04	27,858		0	2,945	11	2,945	11
03-05	28,256		0	2,945	10	2,945	10
04-06	91,380		0		0		0
05-07	91,602		0		0		0
06-08	91,205		0	250	0	250	0
07-09	222		0	250	113	250	113
08-10				250		250	
09-11	190,812		0		0		0
10-12	193,029		0	1,399	1	1,399	1
11-13	212,846		0	1,399	1	1,399	1

AMEREN MISSOURI

ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
12-14	72,142		0	1,399	2	1,399	2
13-15	71,022		0		0		0
14-16	51,204		0		0		0
15-17	2,349		0	4,650	198	4,650	198
16-18	14,587		0	4,650	32	4,650	32
FIVE-YEAR AVERAGE							
14-18	39,475		0	2,790	7	2,790	7

AMEREN MISSOURI

ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	2,767	121	4	216	8	95	3
1962	1,997	351	18	70	4	281-	14-
1963	3,487	99	3	111	3	12	0
1964	687	1,379	201	1,898	276	519	76
1965	232		0		0		0
1966	6,126		0		0		0
1967	69,805	850	1		0	850-	1-
1968	661	570	86		0	570-	86-
1969	876	643	73		0	643-	73-
1970	429	376	88		0	376-	88-
1971	924	508	55		0	508-	55-
1972	15,947	80	1	15,590	98	15,510	97
1973	449		0		0		0
1974	28,971		0	20,546	71	20,546	71
1975	169		0		0		0
1976		184		456		272	
1977	2,189	1,086	50		0	1,086-	50-
1978	2,186		0		0		0
1979							
1980	1,359	102	8		0	102-	8-
1981	1,049	884	84		0	884-	84-
1982	3,294	777	24		0	777-	24-
1983	5,248	418	8		0	418-	8-
1984	1,591		0		0		0
1985	1,878	170	9		0	170-	9-
1986	5,900	7,253	123		0	7,253-	123-
1987							
1988	3,319		0		0		0
1989							
1990							
1991							
1992	8,723		0		0		0
1993							
1994							
1995	5,133	19,368	377		0	19,368-	377-
1996	23,653		0		0		0
1997	254,976		0		0		0
1998							
1999					9-	9-	
2000	907-		0		0		0
2001	17,218		0		0		0
2002							
2003							

AMEREN MISSOURI

ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	80,825		0		0		0
2005	12,436		0		0		0
2006							
2007							
2008	13,530		0		0		0
2009	41,709		0		0		0
2010							
2011	15,248		0		0		0
2012							
2013	18,061	4,281	24		0	4,281-	24-
2014			0		0		0
2015							
2016	27,337	36,628	134		0	36,628-	134-
2017	19,258		0		0		0
2018	152,749	4,534	3		0	4,534-	3-
TOTAL	851,488	80,662	9	38,878	5	41,784-	5-

THREE-YEAR MOVING AVERAGES

61-63	2,750	190	7	132	5	58-	2-
62-64	2,057	610	30	693	34	83	4
63-65	1,469	493	34	670	46	177	12
64-66	2,348	460	20	633	27	173	7
65-67	25,388	283	1		0	283-	1-
66-68	25,531	473	2		0	473-	2-
67-69	23,781	688	3		0	688-	3-
68-70	655	530	81		0	530-	81-
69-71	743	509	69		0	509-	69-
70-72	5,767	321	6	5,197	90	4,875	85
71-73	5,773	196	3	5,197	90	5,001	87
72-74	15,122	27	0	12,045	80	12,019	79
73-75	9,863		0	6,849	69	6,849	69
74-76	9,713	61	1	7,001	72	6,939	71
75-77	786	423	54	152	19	271-	35-
76-78	1,458	423	29	152	10	271-	19-
77-79	1,458	362	25		0	362-	25-
78-80	1,182	34	3		0	34-	3-
79-81	803	329	41		0	329-	41-
80-82	1,901	588	31		0	588-	31-
81-83	3,197	693	22		0	693-	22-
82-84	3,378	398	12		0	398-	12-
83-85	2,906	196	7		0	196-	7-

AMEREN MISSOURI

ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	3,123	2,474	79		0	2,474-	79-
85-87	2,593	2,474	95		0	2,474-	95-
86-88	3,073	2,418	79		0	2,418-	79-
87-89	1,106		0		0		0
88-90	1,106		0		0		0
89-91							
90-92	2,908		0		0		0
91-93	2,908		0		0		0
92-94	2,908		0		0		0
93-95	1,711	6,456	377		0	6,456-	377-
94-96	9,595	6,456	67		0	6,456-	67-
95-97	94,587	6,456	7		0	6,456-	7-
96-98	92,876		0		0		0
97-99	84,992		0	3-	0	3-	0
98-00	302-		0	3-	1	3-	1
99-01	5,437		0	3-	0	3-	0
00-02	5,437		0		0		0
01-03	5,739		0		0		0
02-04	26,942		0		0		0
03-05	31,087		0		0		0
04-06	31,087		0		0		0
05-07	4,145		0		0		0
06-08	4,510		0		0		0
07-09	18,413		0		0		0
08-10	18,413		0		0		0
09-11	18,986		0		0		0
10-12	5,083		0		0		0
11-13	11,103	1,427	13		0	1,427-	13-
12-14	6,020	1,427	24		0	1,427-	24-
13-15	6,020	1,427	24		0	1,427-	24-
14-16	9,112	12,209	134		0	12,209-	134-
15-17	15,532	12,209	79		0	12,209-	79-
16-18	66,448	13,721	21		0	13,721-	21-
FIVE-YEAR AVERAGE							
14-18	39,869	8,232	21		0	8,232-	21-

AMEREN MISSOURI

ACCOUNT 353 STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	895,219	28,537	3	71,439	8	42,902	5
1962	304,789	36,800	12	20,960	7	15,840-	5-
1963	326,626	26,214	8	4,186	1	22,028-	7-
1964	31,282	12,536	40	1,447-	5-	13,983-	45-
1965	441,751	11,259	3	3,187	1	8,072-	2-
1966	821,862	44,624	5	28,053	3	16,571-	2-
1967	568,905	46,976	8	14,995	3	31,981-	6-
1968	194,514	19,955	10	11,934	6	8,021-	4-
1969	251,456	35,496	14	8,518	3	26,978-	11-
1970	571,350	27,343	5	49,194	9	21,851	4
1971	1,124,159	41,636	4	50,079	4	8,443	1
1972	257,022	21,059	8	612	0	20,447-	8-
1973	1,099,159	19,566	2	5,265	0	14,301-	1-
1974	191,169	35,939	19	9,298	5	26,641-	14-
1975	42,517	20,500	48	23,709	56	3,209	8
1976	290,128	8,183	3	638-	0	8,821-	3-
1977	1,573,448	7,212	0	815	0	6,397-	0
1978	96,469	37,794	39	3,206	3	34,588-	36-
1979	58,301	187,164	321	5,429	9	181,735-	312-
1980	129,026	9,171	7	51,561	40	42,390	33
1981	1,227,486	15,742	1	346,750	28	331,008	27
1982	268,758	28,009	10		0	28,009-	10-
1983	172,248	22,099	13		0	22,099-	13-
1984	307,762	66,783	22		0	66,783-	22-
1985	150,520	30,081	20	338	0	29,743-	20-
1986	91,132	28,540	31		0	28,540-	31-
1987	247,149	7,240	3	30	0	7,210-	3-
1988	64,217	27,681	43		0	27,681-	43-
1989	964,710	31,059	3		0	31,059-	3-
1990	11,326	581	5		0	581-	5-
1991	886,082	20,993	2		0	20,993-	2-
1992	60,923		0		0		0
1993	935,079		0		0		0
1994	408,879	7,621	2	91,814	22	84,193	21
1995	219,621		0	98	0	98	0
1996	223,355		0	10	0	10	0
1997	379,013		0	18	0	18	0
1998	16,618		0		0		0
1999	31,227	10,304	33	160-	1-	10,464-	34-
2000	356,372		0	11,865	3	11,865	3
2001	1,179,783	4,000	0		0	4,000-	0
2002	610,051	60,464	10		0	60,464-	10-
2003	202,604		0		0		0

AMEREN MISSOURI

ACCOUNT 353 STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	233,290		0		0		0
2005	738,665	12,464	2		0	12,464-	2-
2006	440,791		0		0		0
2007	253,122	4,109	2	26,000	10	21,891	9
2008	307,933	84,640	27		0	84,640-	27-
2009	883,273	14,816	2		0	14,816-	2-
2010	2,574,540	149,664	6		0	149,664-	6-
2011	911,544	64,445	7	1,334	0	63,111-	7-
2012	3,941,247	381,315	10	8,244	0	373,071-	9-
2013	402,077	126,490	31	125,689	31	801-	0
2014	1,609,792	361,513	22	5,839	0	355,674-	22-
2015	904,508	115,278	13		0	115,278-	13-
2016	5,582,462	292,894	5	32,417	1	260,477-	5-
2017	3,416,693	212,821	6	7,913	0	204,908-	6-
2018	997,377	155,733	16	5,906	1	149,827-	15-
TOTAL	41,481,380	3,015,343	7	1,024,460	2	1,990,883-	5-

THREE-YEAR MOVING AVERAGES

61-63	508,878	30,517	6	32,195	6	1,678	0
62-64	220,899	25,183	11	7,900	4	17,284-	8-
63-65	266,553	16,670	6	1,975	1	14,694-	6-
64-66	431,632	22,806	5	9,931	2	12,875-	3-
65-67	610,839	34,286	6	15,412	3	18,875-	3-
66-68	528,427	37,185	7	18,327	3	18,858-	4-
67-69	338,292	34,142	10	11,816	3	22,327-	7-
68-70	339,107	27,598	8	23,215	7	4,383-	1-
69-71	648,988	34,825	5	35,930	6	1,105	0
70-72	650,844	30,013	5	33,295	5	3,282	1
71-73	826,780	27,420	3	18,652	2	8,768-	1-
72-74	515,783	25,521	5	5,058	1	20,463-	4-
73-75	444,282	25,335	6	12,757	3	12,578-	3-
74-76	174,605	21,541	12	10,790	6	10,751-	6-
75-77	635,364	11,965	2	7,962	1	4,003-	1-
76-78	653,348	17,730	3	1,128	0	16,602-	3-
77-79	576,073	77,390	13	3,150	1	74,240-	13-
78-80	94,599	78,043	82	20,065	21	57,978-	61-
79-81	471,604	70,692	15	134,580	29	63,888	14
80-82	541,757	17,641	3	132,770	25	115,130	21
81-83	556,164	21,950	4	115,583	21	93,633	17
82-84	249,589	38,964	16		0	38,964-	16-
83-85	210,177	39,654	19	113	0	39,542-	19-

AMEREN MISSOURI

ACCOUNT 353 STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	183,138	41,801	23	113	0	41,689-	23-
85-87	162,934	21,954	13	123	0	21,831-	13-
86-88	134,166	21,154	16	10	0	21,144-	16-
87-89	425,359	21,993	5	10	0	21,983-	5-
88-90	346,751	19,774	6		0	19,774-	6-
89-91	620,706	17,544	3		0	17,544-	3-
90-92	319,444	7,191	2		0	7,191-	2-
91-93	627,361	6,998	1		0	6,998-	1-
92-94	468,294	2,540	1	30,605	7	28,064	6
93-95	521,193	2,540	0	30,637	6	28,097	5
94-96	283,952	2,540	1	30,641	11	28,100	10
95-97	273,996		0	42	0	42	0
96-98	206,329		0	9	0	9	0
97-99	142,286	3,435	2	47-	0	3,482-	2-
98-00	134,739	3,435	3	3,902	3	467	0
99-01	522,460	4,768	1	3,902	1	866-	0
00-02	715,402	21,488	3	3,955	1	17,533-	2-
01-03	664,146	21,488	3		0	21,488-	3-
02-04	348,648	20,155	6		0	20,155-	6-
03-05	391,519	4,155	1		0	4,155-	1-
04-06	470,915	4,155	1		0	4,155-	1-
05-07	477,526	5,524	1	8,667	2	3,142	1
06-08	333,949	29,583	9	8,667	3	20,917-	6-
07-09	481,443	34,522	7	8,667	2	25,855-	5-
08-10	1,255,248	83,040	7		0	83,040-	7-
09-11	1,456,452	76,308	5	444	0	75,864-	5-
10-12	2,475,777	198,475	8	3,192	0	195,282-	8-
11-13	1,751,623	190,750	11	45,089	3	145,661-	8-
12-14	1,984,372	289,773	15	46,591	2	243,182-	12-
13-15	972,126	201,094	21	43,843	5	157,251-	16-
14-16	2,698,921	256,562	10	12,752	0	243,809-	9-
15-17	3,301,221	206,998	6	13,443	0	193,554-	6-
16-18	3,332,177	220,483	7	15,412	0	205,071-	6-
FIVE-YEAR AVERAGE							
14-18	2,502,166	227,648	9	10,415	0	217,233-	9-

AMEREN MISSOURI

ACCOUNT 354 TOWERS AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	7,122	1,933	27	3,603	51	1,670	23
1962	21,797	897	4	2,376	11	1,479	7
1963	2,735	165	6	761	28	596	22
1964	18,648	3,997	21	9,365	50	5,368	29
1965	85,278	10,642	12	13,591	16	2,949	3
1966	67,309	24,331	36	37,040	55	12,709	19
1967	100,044	7,486	7	44,882	45	37,396	37
1968	29,888	5,856	20	8,547	29	2,691	9
1969	110,078	7,684	7	4,143	4	3,541-	3-
1970	12,860	44,691	348	19,743	154	24,948-	194-
1971	100,742	6,684	7	4,485	4	2,199-	2-
1972	181,367	9,813	5	41,353	23	31,540	17
1973		26,946		80		26,866-	
1974	5,067	1,344	27	1,598	32	254	5
1975	39,439	8,183	21	5,774	15	2,409-	6-
1976	208	534-	257-	5,622		6,156	
1977				716		716	
1978	36,760	9,354	25	7,730	21	1,624-	4-
1979	6,322	1,380	22	3,488	55	2,108	33
1980	384,233	32,811	9	76,163	20	43,352	11
1981	12,946	5,087	39	259	2	4,828-	37-
1982	36,871	36,714	100	14,144	38	22,570-	61-
1983	40,163	46,881	117	5,870	15	41,011-	102-
1984	5,694	269	5	932	16	663	12
1985	103	106,821		374	363	106,447-	
1986		12,131				12,131-	
1987	4,367	52,923		5,139	118	47,784-	
1988	47,678	296	1	24,465	51	24,169	51
1989	16,373	8,457	52	2,297	14	6,160-	38-
1990							
1991	25,728	10,385	40	2,469	10	7,916-	31-
1992				10		10	
1993		9,616				9,616-	
1994		1,083				1,083-	
1995	60,597	2,384	4	14,108	23	11,724	19
1996	28,479		0	279	1	279	1
1997	9,902		0	25,787	260	25,787	260
1998							
1999	1,534-		0		0		0
2000	3,563		0		0		0
2001	422	1,782	422	20	5	1,762-	418-
2002		24,167				24,167-	
2003	30,445	13,112	43	1,909-	6-	15,021-	49-

AMEREN MISSOURI

ACCOUNT 354 TOWERS AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	39,468	2,382	6		0	2,382-	6-
2005	19,915	37,727	189	49,433-	248-	87,160-	438-
2006	10,420	80,887	776		0	80,887-	776-
2007							
2008	53,606		0		0		0
2009		53,934				53,934-	
2010		16,204				16,204-	
2011		48,612-				48,612	
2012	35,278	32,408	92		0	32,408-	92-
2013	187,949	689,922	367	42,650	23	647,271-	344-
2014	1,001,412	94,044	9	104,094	10	10,050	1
2015	245,936	226,118	92		0	226,118-	92-
2016	1,158,490	463,614	40	25,703	2	437,911-	38-
2017	8,800	88,863		4,009	46	84,854-	964-
2018	859,723	449,337	52	3,979	0	445,358-	52-
TOTAL	5,152,693	2,722,598	53	516,305	10	2,206,293-	43-

THREE-YEAR MOVING AVERAGES

61-63	10,551	998	9	2,247	21	1,248	12
62-64	14,393	1,686	12	4,167	29	2,481	17
63-65	35,554	4,935	14	7,906	22	2,971	8
64-66	57,078	12,990	23	19,999	35	7,009	12
65-67	84,210	14,153	17	31,838	38	17,685	21
66-68	65,747	12,558	19	30,156	46	17,599	27
67-69	80,003	7,009	9	19,191	24	12,182	15
68-70	50,942	19,410	38	10,811	21	8,599-	17-
69-71	74,560	19,686	26	9,457	13	10,229-	14-
70-72	98,323	20,396	21	21,860	22	1,464	1
71-73	94,036	14,481	15	15,306	16	825	1
72-74	62,145	12,701	20	14,344	23	1,643	3
73-75	14,835	12,158	82	2,484	17	9,674-	65-
74-76	14,905	2,998	20	4,331	29	1,334	9
75-77	13,216	2,550	19	4,037	31	1,488	11
76-78	12,323	2,940	24	4,689	38	1,749	14
77-79	14,361	3,578	25	3,978	28	400	3
78-80	142,438	14,515	10	29,127	20	14,612	10
79-81	134,500	13,093	10	26,637	20	13,544	10
80-82	144,683	24,871	17	30,189	21	5,318	4
81-83	29,993	29,561	99	6,758	23	22,803-	76-
82-84	27,576	27,955	101	6,982	25	20,973-	76-
83-85	15,320	51,324	335	2,392	16	48,932-	319-

AMEREN MISSOURI

ACCOUNT 354 TOWERS AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	1,932	39,740		435	23	39,305-	
85-87	1,490	57,292		1,838	123	55,454-	
86-88	17,348	21,783	126	9,868	57	11,915-	69-
87-89	22,806	20,559	90	10,634	47	9,925-	44-
88-90	21,350	2,918	14	8,921	42	6,003	28
89-91	14,034	6,281	45	1,589	11	4,692-	33-
90-92	8,576	3,462	40	826	10	2,635-	31-
91-93	8,576	6,667	78	826	10	5,841-	68-
92-94		3,566		3		3,563-	
93-95	20,199	4,361	22	4,703	23	342	2
94-96	29,692	1,156	4	4,796	16	3,640	12
95-97	32,993	795	2	13,391	41	12,597	38
96-98	12,794		0	8,689	68	8,689	68
97-99	2,789		0	8,596	308	8,596	308
98-00	676		0		0		0
99-01	817	594	73	7	1	587-	72-
00-02	1,328	8,650	651	7	0	8,643-	651-
01-03	10,289	13,020	127	630-	6-	13,650-	133-
02-04	23,304	13,220	57	636-	3-	13,857-	59-
03-05	29,943	17,740	59	17,114-	57-	34,854-	116-
04-06	23,268	40,332	173	16,478-	71-	56,810-	244-
05-07	10,112	39,538	391	16,478-	163-	56,016-	554-
06-08	21,342	26,962	126		0	26,962-	126-
07-09	17,869	17,978	101		0	17,978-	101-
08-10	17,869	23,379	131		0	23,379-	131-
09-11		7,175				7,175-	
10-12	11,759		0		0		0
11-13	74,409	224,573	302	14,217	19	210,356-	283-
12-14	408,213	272,124	67	48,915	12	223,210-	55-
13-15	478,432	336,695	70	48,915	10	287,780-	60-
14-16	801,946	261,259	33	43,266	5	217,993-	27-
15-17	471,075	259,532	55	9,904	2	249,628-	53-
16-18	675,671	333,938	49	11,230	2	322,708-	48-
FIVE-YEAR AVERAGE							
14-18	654,872	264,395	40	27,557	4	236,838-	36-

AMEREN MISSOURI

ACCOUNT 355 POLES AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	16,175	2,798	17	2,462	15	336-	2-
1962	7,755	8,278	107	1,733	22	6,545-	84-
1963	45,528	10,576	23	13,245	29	2,669	6
1964	2,706	1,970	73	1,368	51	602-	22-
1965	12,341	2,776	22	3,473	28	697	6
1966	41,208	6,471	16	7,510	18	1,039	3
1967	18,252	5,351	29	10,911	60	5,560	30
1968	93,758	18,171	19	4,463	5	13,708-	15-
1969	61,897	61,122	99	25,362	41	35,760-	58-
1970	17,583	9,617	55	516-	3-	10,133-	58-
1971	56,221	16,043	29	9,360	17	6,683-	12-
1972	206,748	83,965	41	46,656	23	37,309-	18-
1973	68,007	29,119	43	16,537	24	12,582-	19-
1974	23,835	19,234	81	19,199	81	35-	0
1975	18,010	6,057	34	6,742	37	685	4
1976	47,429	28,872	61	16,729	35	12,143-	26-
1977	49,238	27,829	57	10,878	22	16,951-	34-
1978	4,645	13,889	299	3,827	82	10,062-	217-
1979	94,169	51,464	55	26,505	28	24,959-	27-
1980	67,999	40,630	60	16,740	25	23,890-	35-
1981	49,670	37,296	75	5,176	10	32,120-	65-
1982	75,202	35,649	47	19,616	26	16,033-	21-
1983	61,143	47,624	78	14,660	24	32,964-	54-
1984	61,863	52,646	85	27,802	45	24,844-	40-
1985	55,657	62,908	113	13,981	25	48,927-	88-
1986	92,921	84,246	91	13,179	14	71,067-	76-
1987	37,549	73,196	195	8,920	24	64,276-	171-
1988	68,866	61,180	89	44,722	65	16,458-	24-
1989	15,710	68,526	436	4,743	30	63,783-	406-
1990	78,444	92,720	118	21,634	28	71,086-	91-
1991	8,270	84,448		784-	9-	85,232-	
1992	68,406	52,049	76	37,000	54	15,049-	22-
1993	51,241	168,490	329	2,867	6	165,623-	323-
1994	67,117	34,202	51	1,338	2	32,864-	49-
1995	195,864	93,179	48	5,343	3	87,836-	45-
1996	305,022	401,080	131	3,272-	1-	404,352-	133-
1997	5,972	252,457		19,469-	326-	271,926-	
1998	21,364	137,154	642	13,381-	63-	150,535-	705-
1999	6,172	189,628		96,451		93,177-	
2000	5,049	513,276		17,520	347	495,756-	
2001	20,756	394,337		153,827	741	240,510-	
2002	349,441	873,958	250	45,335	13	828,623-	237-
2003	196,021	510,819	261	3,871	2	506,947-	259-

AMEREN MISSOURI

ACCOUNT 355 POLES AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	388,586	339,914	87	520,335	134	180,421	46
2005	109,570	387,427	354	155,926-	142-	543,352-	496-
2006	246,937	358,302	145	129,317-	52-	487,618-	197-
2007	16,895	292,449			0	292,449-	
2008	11,346	183,402		129,317		54,086-	477-
2009	57,383		0		0		0
2010	11,960	291,578			0	291,578-	
2011		327,543				327,543-	
2012	156,735	435,709	278		0	435,709-	278-
2013	78,039	1,737,700		89,976	115	1,647,724-	
2014	1,978,117	1,789,628	90		0	1,789,628-	90-
2015	1,027,719	2,334,068	227		0	2,334,068-	227-
2016	1,283,095	777,133	61		0	777,133-	61-
2017	1,138,329	1,717,195	151	5,004	0	1,712,191-	150-
2018	1,059,972	3,472,504	328	3,524	0	3,468,981-	327-
TOTAL	10,415,907	19,209,852	184	1,207,175	12	18,002,677-	173-

THREE-YEAR MOVING AVERAGES

61-63	23,153	7,217	31	5,813	25	1,404-	6-
62-64	18,663	6,941	37	5,449	29	1,493-	8-
63-65	20,192	5,107	25	6,029	30	921	5
64-66	18,752	3,739	20	4,117	22	378	2
65-67	23,934	4,866	20	7,298	30	2,432	10
66-68	51,073	9,998	20	7,628	15	2,370-	5-
67-69	57,969	28,215	49	13,579	23	14,636-	25-
68-70	57,746	29,637	51	9,770	17	19,867-	34-
69-71	45,234	28,927	64	11,402	25	17,525-	39-
70-72	93,517	36,542	39	18,500	20	18,042-	19-
71-73	110,325	43,042	39	24,184	22	18,858-	17-
72-74	99,530	44,106	44	27,464	28	16,642-	17-
73-75	36,617	18,137	50	14,159	39	3,977-	11-
74-76	29,758	18,054	61	14,223	48	3,831-	13-
75-77	38,226	20,919	55	11,450	30	9,470-	25-
76-78	33,771	23,530	70	10,478	31	13,052-	39-
77-79	49,351	31,061	63	13,737	28	17,324-	35-
78-80	55,604	35,328	64	15,691	28	19,637-	35-
79-81	70,613	43,130	61	16,140	23	26,990-	38-
80-82	64,290	37,858	59	13,844	22	24,014-	37-
81-83	62,005	40,190	65	13,151	21	27,039-	44-
82-84	66,069	45,306	69	20,693	31	24,614-	37-
83-85	59,554	54,393	91	18,814	32	35,578-	60-

AMEREN MISSOURI

ACCOUNT 355 POLES AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	70,147	66,600	95	18,321	26	48,279-	69-
85-87	62,042	73,450	118	12,027	19	61,423-	99-
86-88	66,445	72,874	110	22,274	34	50,600-	76-
87-89	40,708	67,634	166	19,462	48	48,172-	118-
88-90	54,340	74,142	136	23,700	44	50,442-	93-
89-91	34,141	81,898	240	8,531	25	73,367-	215-
90-92	51,707	76,406	148	19,283	37	57,122-	110-
91-93	42,639	101,662	238	13,028	31	88,635-	208-
92-94	62,255	84,914	136	13,735	22	71,179-	114-
93-95	104,741	98,624	94	3,183	3	95,441-	91-
94-96	189,334	176,154	93	1,136	1	175,017-	92-
95-97	168,953	248,905	147	5,799-	3-	254,705-	151-
96-98	110,786	263,564	238	12,041-	11-	275,604-	249-
97-99	11,169	193,080		21,200	190	171,879-	
98-00	10,862	280,019		33,530	309	246,489-	
99-01	10,659	365,747		89,266	837	276,481-	
00-02	125,082	593,857	475	72,227	58	521,630-	417-
01-03	188,740	593,038	314	67,678	36	525,360-	278-
02-04	311,349	574,897	185	189,847	61	385,050-	124-
03-05	231,392	412,720	178	122,760	53	289,960-	125-
04-06	248,364	361,881	146	78,364	32	283,516-	114-
05-07	124,467	346,059	278	95,081-	76-	441,140-	354-
06-08	91,726	278,051	303		0	278,051-	303-
07-09	28,541	158,617	556	43,106	151	115,512-	405-
08-10	26,896	158,327	589	43,106	160	115,221-	428-
09-11	23,114	206,374	893		0	206,374-	893-
10-12	56,232	351,610	625		0	351,610-	625-
11-13	78,258	833,651		29,992	38	803,659-	
12-14	737,630	1,321,012	179	29,992	4	1,291,020-	175-
13-15	1,027,958	1,953,799	190	29,992	3	1,923,807-	187-
14-16	1,429,644	1,633,610	114		0	1,633,610-	114-
15-17	1,149,714	1,609,465	140	1,668	0	1,607,797-	140-
16-18	1,160,465	1,988,944	171	2,842	0	1,986,102-	171-
FIVE-YEAR AVERAGE							
14-18	1,297,446	2,018,106	156	1,705	0	2,016,400-	155-

AMEREN MISSOURI

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	51,848	7,535	15	11,795	23	4,260	8
1962	33,707	14,847	44	8,971	27	5,876-	17-
1963	72,782	8,119	11	36,655	50	28,536	39
1964	209,131	25,786	12	11,237	5	14,549-	7-
1965	59,393	8,471	14	28,033	47	19,562	33
1966	288,366	19,742	7	412,127	143	392,385	136
1967	68,615	8,236	12	22,650	33	14,414	21
1968	154,354	41,470	27	22,816	15	18,654-	12-
1969	130,941	107,273	82	44,579	34	62,694-	48-
1970	175,339	27,499	16	380,510	217	353,011	201
1971	137,433	15,535	11	32,646	24	17,111	12
1972	361,235	106,792	30	76,281	21	30,511-	8-
1973	35,402	39,215	111	16,135	46	23,080-	65-
1974	64,197	13,818	22	31,527	49	17,709	28
1975	53,132	11,584	22	13,885	26	2,301	4
1976	25,894	13,441	52	11,100	43	2,341-	9-
1977	135,300	20,988	16	7,417	5	13,571-	10-
1978	39,151	38,543	98	38,330	98	213-	1-
1979	75,569	39,569	52	26,969	36	12,600-	17-
1980	57,578	28,915	50	11,761	20	17,154-	30-
1981	17,020	21,338	125	2,784	16	18,554-	109-
1982	48,068	50,268	105	5,472	11	44,796-	93-
1983	14,099	54,148	384	11,203	79	42,945-	305-
1984	11,078	39,401	356	479-	4-	39,880-	360-
1985	26,904	51,472	191	7,201	27	44,271-	165-
1986	45,659	51,184	112	2,640	6	48,544-	106-
1987	54,307	138,052	254	15,836	29	122,216-	225-
1988	8,930	15,226	171	100,463		85,237	955
1989	1,025	27,026		490	48	26,536-	
1990	11,952	47,264	395	2,191	18	45,073-	377-
1991	163,158	98,312	60	14,159	9	84,153-	52-
1992	9,831	50,722	516	1,455	15	49,267-	501-
1993	35,558	77,813	219	2,781	8	75,032-	211-
1994	12,677	10,181	80	717	6	9,464-	75-
1995	309,417	77,567	25	84,480	27	6,913	2
1996	574,597		0	11,242-	2-	11,242-	2-
1997		26,455		4,196-		30,651-	
1998		75,630		17,599-		93,229-	
1999	135,686	122,661	90	24,130	18	98,531-	73-
2000	17,349	4,865	28	64,610-	372-	69,475-	400-
2001	702,381	80,199	11	41,882	6	38,317-	5-
2002	399,266	219,587	55	10,390	3	209,197-	52-
2003	777,127	291,853	38	36,202-	5-	328,055-	42-

AMEREN MISSOURI

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	186,347	39,720	21	265,844	143	226,124	121
2005	25,886	155,662	601	24,565-	95-	180,227-	696-
2006	344,890	26,840	8	59,478	17	32,638	9
2007		2,479				2,479-	
2008	855,120	324,717	38	18,306	2	306,411-	36-
2009	196,013	7,025	4	734,935	375	727,910	371
2010	11,091	20,613	186	799	7	19,814-	179-
2011	8,335		0	734,381		734,381	
2012	1,098,990	993,741	90	10,673	1	983,068-	89-
2013	25,895	683,373			0	683,373-	
2014	108,510	6,891	6	4,442	4	2,449-	2-
2015	84,706	98	0	38,063	45	37,965	45
2016	919,523	1,897,134	206	3,027,063	329	1,129,929	123
2017	871,642	1,139,851	131	202,767	23	937,084-	108-
2018	519,984	1,757,198	338	150,100	29	1,607,098-	309-
TOTAL	10,862,389	9,283,944	85	6,661,656	61	2,622,288-	24-

THREE-YEAR MOVING AVERAGES

61-63	52,779	10,167	19	19,140	36	8,973	17
62-64	105,207	16,251	15	18,954	18	2,704	3
63-65	113,769	14,125	12	25,308	22	11,183	10
64-66	185,630	18,000	10	150,466	81	132,466	71
65-67	138,791	12,150	9	154,270	111	142,120	102
66-68	170,445	23,149	14	152,531	89	129,382	76
67-69	117,970	52,326	44	30,015	25	22,311-	19-
68-70	153,545	58,747	38	149,302	97	90,554	59
69-71	147,904	50,102	34	152,578	103	102,476	69
70-72	224,669	49,942	22	163,146	73	113,204	50
71-73	178,023	53,847	30	41,687	23	12,160-	7-
72-74	153,611	53,275	35	41,314	27	11,961-	8-
73-75	50,910	21,539	42	20,516	40	1,023-	2-
74-76	47,741	12,948	27	18,837	39	5,890	12
75-77	71,442	15,338	21	10,801	15	4,537-	6-
76-78	66,782	24,324	36	18,949	28	5,375-	8-
77-79	83,340	33,033	40	24,239	29	8,795-	11-
78-80	57,433	35,676	62	25,687	45	9,989-	17-
79-81	50,056	29,941	60	13,838	28	16,103-	32-
80-82	40,889	33,507	82	6,672	16	26,835-	66-
81-83	26,396	41,918	159	6,486	25	35,432-	134-
82-84	24,415	47,939	196	5,399	22	42,540-	174-
83-85	17,360	48,340	278	5,975	34	42,365-	244-

AMEREN MISSOURI

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	27,880	47,352	170	3,121	11	44,232-	159-
85-87	42,290	80,236	190	8,559	20	71,677-	169-
86-88	36,299	68,154	188	39,646	109	28,508-	79-
87-89	21,421	60,101	281	38,930	182	21,172-	99-
88-90	7,302	29,839	409	34,381	471	4,543	62
89-91	58,712	57,534	98	5,613	10	51,921-	88-
90-92	61,647	65,433	106	5,935	10	59,498-	97-
91-93	69,516	75,616	109	6,132	9	69,484-	100-
92-94	19,355	46,239	239	1,651	9	44,588-	230-
93-95	119,217	55,187	46	29,326	25	25,861-	22-
94-96	298,897	29,249	10	24,652	8	4,598-	2-
95-97	294,671	34,674	12	23,014	8	11,660-	4-
96-98	191,532	34,028	18	11,012-	6-	45,041-	24-
97-99	45,229	74,915	166	778	2	74,137-	164-
98-00	51,012	67,719	133	19,360-	38-	87,078-	171-
99-01	285,139	69,242	24	467	0	68,774-	24-
00-02	372,999	101,550	27	4,113-	1-	105,663-	28-
01-03	626,258	197,213	31	5,357	1	191,856-	31-
02-04	454,246	183,720	40	80,011	18	103,709-	23-
03-05	329,787	162,411	49	68,359	21	94,052-	29-
04-06	185,708	74,074	40	100,252	54	26,178	14
05-07	123,592	61,660	50	11,638	9	50,023-	40-
06-08	400,003	118,012	30	25,928	6	92,084-	23-
07-09	350,378	111,407	32	251,080	72	139,673	40
08-10	354,075	117,452	33	251,347	71	133,895	38
09-11	71,813	9,213	13	490,038	682	480,826	670
10-12	372,805	338,118	91	248,618	67	89,501-	24-
11-13	377,740	559,038	148	248,351	66	310,687-	82-
12-14	411,132	561,335	137	5,038	1	556,297-	135-
13-15	73,037	230,121	315	14,168	19	215,952-	296-
14-16	370,913	634,708	171	1,023,189	276	388,482	105
15-17	625,291	1,012,361	162	1,089,298	174	76,937	12
16-18	770,383	1,598,061	207	1,126,643	146	471,418-	61-
FIVE-YEAR AVERAGE							
14-18	500,873	960,234	192	684,487	137	275,747-	55-

AMEREN MISSOURI

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	17,360	182	1		0	182-	1-
1962	88,722	876	1		0	876-	1-
1963	16,929	357	2		0	357-	2-
1964							
1965	59,369	81	0	31,974	54	31,893	54
1966	5,165	883	17	515	10	368-	7-
1967							
1968	14,658		0	8	0	8	0
1969	54,128		0	32,497	60	32,497	60
1970	2,373		0		0		0
1971	1,292		0		0		0
1972	1,355		0		0		0
1973		577				577-	
1974							
1975	874		0		0		0
1976	190	376	198		0	376-	198-
1977	14,619	2,933	20		0	2,933-	20-
1978		5,192				5,192-	
1979	69,591		0	16,641	24	16,641	24
1980	1,727	1,938	112		0	1,938-	112-
1981	791	1,834	232		0	1,834-	232-
1982							
1983		282				282-	
1984	358,868	259	0		0	259-	0
1985	50,264		0		0		0
1986	22,870	7,365	32		0	7,365-	32-
1987	733		0		0		0
1988	8,193		0		0		0
1989							
1990	23,038	2,801	12		0	2,801-	12-
1991	31,921	62,045	194	810	3	61,235-	192-
1992	12,966	34,250	264		0	34,250-	264-
1993	115,425		0		0		0
1994	131,507	69,978	53		0	69,978-	53-
1995	299,730	22,900	8		0	22,900-	8-
1996	207,002	19,983	10		0	19,983-	10-
1997	387,410	1,871	0	37,079	10	35,208	9
1998	54,238		0		0		0
1999	9,613		0		0		0
2000	3,627		0		0		0
2001	47,379		0		0		0
2002	13,691		0		0		0
2003	64,035		0		0		0

AMEREN MISSOURI

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004							
2005	203,621		0		0		0
2006	56,930		0		0		0
2007	185,809		0		0		0
2008	283,542		0		0		0
2009	890		0		0		0
2010							
2011	8,798		0		0		0
2012	38,794		0		0		0
2013	57,234	16,955	30		0	16,955-	30-
2014	752,992	9,457-	1-		0	9,457	1
2015	122,053	2,580	2		0	2,580-	2-
2016	285,660	19,259	7		0	19,259-	7-
2017	550,518	6,418-	1-		0	6,418	1
2018	46,478	5,828	13		0	5,828-	13-
TOTAL	4,784,972	265,710	6	119,524	2	146,186-	3-

THREE-YEAR MOVING AVERAGES

61-63	41,004	472	1		0	472-	1-
62-64	35,217	411	1		0	411-	1-
63-65	25,433	146	1	10,658	42	10,512	41
64-66	21,511	321	1	10,830	50	10,508	49
65-67	21,511	321	1	10,830	50	10,508	49
66-68	6,608	294	4	174	3	120-	2-
67-69	22,929		0	10,835	47	10,835	47
68-70	23,720		0	10,835	46	10,835	46
69-71	19,264		0	10,832	56	10,832	56
70-72	1,673		0		0		0
71-73	882	192	22		0	192-	22-
72-74	452	192	43		0	192-	43-
73-75	291	192	66		0	192-	66-
74-76	355	125	35		0	125-	35-
75-77	5,228	1,103	21		0	1,103-	21-
76-78	4,936	2,834	57		0	2,834-	57-
77-79	28,070	2,708	10	5,547	20	2,839	10
78-80	23,773	2,377	10	5,547	23	3,170	13
79-81	24,036	1,257	5	5,547	23	4,290	18
80-82	839	1,257	150		0	1,257-	150-
81-83	264	705	268		0	705-	268-
82-84	119,623	180	0		0	180-	0
83-85	136,377	180	0		0	180-	0

AMEREN MISSOURI

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	144,001	2,541	2		0	2,541-	2-
85-87	24,622	2,455	10		0	2,455-	10-
86-88	10,599	2,455	23		0	2,455-	23-
87-89	2,975		0		0		0
88-90	10,410	934	9		0	934-	9-
89-91	18,320	21,615	118	270	1	21,345-	117-
90-92	22,642	33,032	146	270	1	32,762-	145-
91-93	53,437	32,098	60	270	1	31,828-	60-
92-94	86,633	34,743	40		0	34,743-	40-
93-95	182,221	30,959	17		0	30,959-	17-
94-96	212,746	37,620	18		0	37,620-	18-
95-97	298,047	14,918	5	12,360	4	2,558-	1-
96-98	216,217	7,285	3	12,360	6	5,075	2
97-99	150,420	624	0	12,360	8	11,736	8
98-00	22,493		0		0		0
99-01	20,206		0		0		0
00-02	21,566		0		0		0
01-03	41,702		0		0		0
02-04	25,909		0		0		0
03-05	89,218		0		0		0
04-06	86,850		0		0		0
05-07	148,787		0		0		0
06-08	175,427		0		0		0
07-09	156,747		0		0		0
08-10	94,811		0		0		0
09-11	3,229		0		0		0
10-12	15,864		0		0		0
11-13	34,942	5,652	16		0	5,652-	16-
12-14	283,006	2,499	1		0	2,499-	1-
13-15	310,760	3,359	1		0	3,359-	1-
14-16	386,902	4,127	1		0	4,127-	1-
15-17	319,410	5,140	2		0	5,140-	2-
16-18	294,218	6,223	2		0	6,223-	2-
FIVE-YEAR AVERAGE							
14-18	351,540	2,358	1		0	2,358-	1-

AMEREN MISSOURI

ACCOUNT 362 STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	830,475	33,997	4	30,761	4	3,236-	0
1962	551,847	30,214	5	36,480	7	6,266	1
1963	436,550	49,376	11	50,515	12	1,139	0
1964	324,004	29,972	9	18,193	6	11,779-	4-
1965	583,901	27,096	5	55,753	10	28,657	5
1966	512,741	37,885	7	93,113	18	55,228	11
1967	694,660	40,377	6	43,196	6	2,819	0
1968	338,650	30,070	9	29,404	9	666-	0
1969	965,237	24,107	2	17,462	2	6,645-	1-
1970	469,849	36,507	8	38,868	8	2,361	1
1971	674,300	21,507	3	41,475	6	19,968	3
1972	408,148	23,304	6	13,346	3	9,958-	2-
1973	126,149	21,914	17	26,386	21	4,472	4
1974	288,527	16,602	6	3,111-	1-	19,713-	7-
1975	179,281	19,917	11	342	0	19,575-	11-
1976	546,338	21,772	4	18,847	3	2,925-	1-
1977	1,072,500	25,982	2	7,234	1	18,748-	2-
1978	214,534	53,726	25	26	0	53,700-	25-
1979	233,907	40,446	17	1,926	1	38,520-	16-
1980	589,606	39,771	7	17,898	3	21,873-	4-
1981	267,768	6,959	3	174	0	6,785-	3-
1982	296,294	60,687	20	1,655	1	59,032-	20-
1983	132,272	19,880	15	2,894	2	16,986-	13-
1984	358,868	40,389	11	28,184	8	12,205-	3-
1985	767,292	82,193	11	9,481	1	72,712-	9-
1986	320,897	73,398	23		0	73,398-	23-
1987	1,048,008	70,073	7	14,760	1	55,313-	5-
1988	844,576	72,244	9	21,346	3	50,898-	6-
1989	1,050,766	122,208	12	17,347	2	104,861-	10-
1990	467,205	128,339	27	24,792	5	103,547-	22-
1991	1,206,214	92,767	8	103,482	9	10,715	1
1992	2,221,441	213,372	10	31,952	1	181,420-	8-
1993	2,886,979	201,646	7	199,630	7	2,016-	0
1994	1,592,783	139,502	9	4,500	0	135,002-	8-
1995	2,608,072	367,749	14	24,820	1	342,929-	13-
1996	5,075,761	71,261	1	8,240	0	63,021-	1-
1997	5,227,189	160,387	3	15,394-	0	175,781-	3-
1998	246,868	118,551	48	52,564	21	65,987-	27-
1999	839,364	155,331	19	5,565	1	149,766-	18-
2000	904,089	57,281	6		0	57,281-	6-
2001	627,091	30,430	5	41-	0	30,471-	5-
2002	1,604,468	19,000	1	200,667	13	181,667	11
2003	1,188,517	45,806	4		0	45,806-	4-

AMEREN MISSOURI

ACCOUNT 362 STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	3,249,547	240,770	7	126,045	4	114,725-	4-
2005	651,185	143,772	22		0	143,772-	22-
2006	1,247,068	443,439	36	76,127	6	367,312-	29-
2007	1,116,004	509,062	46	5,862	1	503,200-	45-
2008	1,244,152	308,695	25	119,870	10	188,825-	15-
2009	2,531,655	475,145	19	336	0	474,809-	19-
2010	4,370,263	302,805	7		0	302,805-	7-
2011	2,894,032	633,258	22	261,756	9	371,503-	13-
2012	5,978,637	933,738	16	1,058,302	18	124,564	2
2013	3,186,535	1,014,623	32	499,965	16	514,658-	16-
2014	12,133,033	978,540	8	580,811	5	397,729-	3-
2015	2,365,319	1,110,682	47	280,500	12	830,182-	35-
2016	6,356,591	2,246,736	35	91,026	1	2,155,711-	34-
2017	6,988,111	1,074,877	15	211,207	3	863,669-	12-
2018	3,786,768	740,890	20	335,819	9	405,071-	11-
TOTAL	99,922,884	14,131,026	14	4,922,357	5	9,208,669-	9-

THREE-YEAR MOVING AVERAGES

61-63	606,291	37,862	6	39,252	6	1,390	0
62-64	437,467	36,521	8	35,063	8	1,458-	0
63-65	448,152	35,481	8	41,487	9	6,006	1
64-66	473,549	31,651	7	55,686	12	24,035	5
65-67	597,101	35,119	6	64,021	11	28,901	5
66-68	515,350	36,111	7	55,238	11	19,127	4
67-69	666,182	31,518	5	30,021	5	1,497-	0
68-70	591,245	30,228	5	28,578	5	1,650-	0
69-71	703,129	27,374	4	32,602	5	5,228	1
70-72	517,432	27,106	5	31,230	6	4,124	1
71-73	402,866	22,242	6	27,069	7	4,827	1
72-74	274,275	20,607	8	12,207	4	8,400-	3-
73-75	197,986	19,478	10	7,872	4	11,605-	6-
74-76	338,049	19,430	6	5,359	2	14,071-	4-
75-77	599,373	22,557	4	8,808	1	13,749-	2-
76-78	611,124	33,827	6	8,702	1	25,124-	4-
77-79	506,980	40,051	8	3,062	1	36,989-	7-
78-80	346,016	44,648	13	6,617	2	38,031-	11-
79-81	363,760	29,059	8	6,666	2	22,393-	6-
80-82	384,556	35,806	9	6,576	2	29,230-	8-
81-83	232,111	29,175	13	1,574	1	27,601-	12-
82-84	262,478	40,319	15	10,911	4	29,408-	11-
83-85	419,477	47,487	11	13,520	3	33,968-	8-

AMEREN MISSOURI

ACCOUNT 362 STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	482,352	65,327	14	12,555	3	52,772-	11-
85-87	712,066	75,221	11	8,080	1	67,141-	9-
86-88	737,827	71,905	10	12,035	2	59,870-	8-
87-89	981,117	88,175	9	17,818	2	70,357-	7-
88-90	787,516	107,597	14	21,162	3	86,435-	11-
89-91	908,062	114,438	13	48,540	5	65,898-	7-
90-92	1,298,287	144,826	11	53,409	4	91,417-	7-
91-93	2,104,878	169,262	8	111,688	5	57,574-	3-
92-94	2,233,734	184,840	8	78,694	4	106,146-	5-
93-95	2,362,611	236,299	10	76,317	3	159,982-	7-
94-96	3,092,205	192,837	6	12,520	0	180,317-	6-
95-97	4,303,674	199,799	5	5,889	0	193,910-	5-
96-98	3,516,606	116,733	3	15,137	0	101,596-	3-
97-99	2,104,474	144,756	7	14,245	1	130,511-	6-
98-00	663,440	110,388	17	19,376	3	91,011-	14-
99-01	790,181	81,014	10	1,841	0	79,173-	10-
00-02	1,045,216	35,570	3	66,875	6	31,305	3
01-03	1,140,025	31,745	3	66,875	6	35,130	3
02-04	2,014,177	101,859	5	108,904	5	7,045	0
03-05	1,696,416	143,449	8	42,015	2	101,434-	6-
04-06	1,715,933	275,994	16	67,391	4	208,603-	12-
05-07	1,004,752	365,424	36	27,330	3	338,095-	34-
06-08	1,202,408	420,399	35	67,286	6	353,113-	29-
07-09	1,630,604	430,967	26	42,022	3	388,945-	24-
08-10	2,715,357	362,215	13	40,068	1	322,147-	12-
09-11	3,265,317	470,403	14	87,364	3	383,039-	12-
10-12	4,414,311	623,267	14	440,019	10	183,248-	4-
11-13	4,019,734	860,540	21	606,674	15	253,865-	6-
12-14	7,099,401	975,634	14	713,026	10	262,607-	4-
13-15	5,894,962	1,034,615	18	453,759	8	580,856-	10-
14-16	6,951,648	1,445,319	21	317,445	5	1,127,874-	16-
15-17	5,236,674	1,477,431	28	194,244	4	1,283,187-	25-
16-18	5,710,490	1,354,168	24	212,684	4	1,141,484-	20-
FIVE-YEAR AVERAGE							
14-18	6,325,964	1,230,345	19	299,872	5	930,472-	15-

AMEREN MISSOURI

ACCOUNT 364 POLES AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	834,521	833,351	100	9,455-	1-	842,806-	101-
1962	1,041,659	817,839	79	267,488	26	550,351-	53-
1963	1,029,884	945,771	92	96,041	9	849,730-	83-
1964	1,046,121	864,792	83	83,101	8	781,691-	75-
1965	915,668	758,901	83	45,707	5	713,194-	78-
1966	1,345,111	924,557	69	66,211	5	858,346-	64-
1967	1,357,256	786,350	58	78,712	6	707,638-	52-
1968	1,143,577	725,583	63	46,766	4	678,817-	59-
1969	1,141,723	724,470	63	62,323	5	662,147-	58-
1970	807,960	624,649	77	33,935	4	590,714-	73-
1971	912,141	789,018	87	53,593	6	735,425-	81-
1972	1,100,595	816,673	74	36,931	3	779,742-	71-
1973	1,052,853	918,927	87	43,468	4	875,459-	83-
1974	1,108,320	1,020,486	92	107,689	10	912,797-	82-
1975	728,522	759,495	104	47,778	7	711,717-	98-
1976	1,173,359	1,262,042	108	74,488	6	1,187,554-	101-
1977	974,349	1,186,335	122	78,671	8	1,107,664-	114-
1978	1,022,174	1,295,173	127	63,086	6	1,232,087-	121-
1979	1,146,108	1,465,458	128	65,254	6	1,400,204-	122-
1980	1,103,244	1,590,371	144	71,407	6	1,518,964-	138-
1981	1,266,931	1,856,917	147	111,500	9	1,745,417-	138-
1982	1,174,933	2,032,289	173	84,508	7	1,947,781-	166-
1983	1,222,776	2,374,547	194	74,218	6	2,300,329-	188-
1984	1,076,376	2,820,630	262	100,098	9	2,720,532-	253-
1985	1,574,569	3,144,514	200	93,190	6	3,051,324-	194-
1986	1,619,844	3,180,905	196	132,878	8	3,048,027-	188-
1987	1,345,097	3,130,048	233	111,057	8	3,018,991-	224-
1988	1,680,598	2,680,825	160	237,701	14	2,443,124-	145-
1989	1,850,626	2,883,149	156	232,933	13	2,650,216-	143-
1990	1,578,153	2,832,494	179	423,618	27	2,408,876-	153-
1991	1,647,905	2,864,466	174	150,830	9	2,713,636-	165-
1992	1,811,840	2,757,672	152	311,615	17	2,446,057-	135-
1993	1,816,878	2,995,513	165	148,532	8	2,846,981-	157-
1994	2,812,373	3,250,095	116	178,691	6	3,071,404-	109-
1995	1,561,994	3,819,129	245	94,217	6	3,724,912-	238-
1996	2,502,125	3,120,885	125	113,989	5	3,006,896-	120-
1997	2,307,518	3,317,125	144	88,814	4	3,228,311-	140-
1998	1,253,244	2,786,515	222	265,510-	21-	3,052,025-	244-
1999	2,183,536	3,210,105	147	60,419	3	3,149,686-	144-
2000	1,232,534	2,960,357	240	184,339	15	2,776,018-	225-
2001	2,039,883	3,167,686	155	449,745	22	2,717,941-	133-
2002	2,515,869	3,308,835	132	1,179,601	47	2,129,235-	85-
2003	1,563,294	4,209,940	269	1,221,333	78	2,988,607-	191-

AMEREN MISSOURI

ACCOUNT 364 POLES AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	1,475,120	4,613,069	313	613,091	42	3,999,978-	271-
2005	1,615,641	4,211,823	261	274,276	17	3,937,547-	244-
2006	3,022,003	9,005,531	298	268,748	9	8,736,783-	289-
2007	3,401,289	9,875,529	290	728,489	21	9,147,040-	269-
2008	4,853,686	8,174,375	168	344,260	7	7,830,115-	161-
2009	6,906,283	21,287,771	308	293,212	4	20,994,559-	304-
2010	5,968,012	5,855,124	98	47,815	1	5,807,309-	97-
2011	3,973,601	5,329,753	134	170,701	4	5,159,052-	130-
2012	3,403,095	4,687,572	138	40,839	1	4,646,734-	137-
2013	3,393,749	6,445,767	190	50,203	1	6,395,564-	188-
2014	3,168,009	6,383,520	201	15,130	0	6,368,390-	201-
2015	2,556,751	8,512,898	333	52,679	2	8,460,219-	331-
2016	3,739,534	7,661,860	205	48,005	1	7,613,855-	204-
2017	4,076,432	8,245,375	202	84,946	2	8,160,429-	200-
2018	3,931,594	7,203,551	183	73,953	2	7,129,598-	181-
TOTAL	116,108,839	205,308,401	177	10,037,855	9	195,270,546-	168-

THREE-YEAR MOVING AVERAGES

61-63	968,688	865,654	89	118,025	12	747,629-	77-
62-64	1,039,221	876,134	84	148,877	14	727,257-	70-
63-65	997,224	856,488	86	74,950	8	781,538-	78-
64-66	1,102,300	849,417	77	65,006	6	784,410-	71-
65-67	1,206,012	823,269	68	63,543	5	759,726-	63-
66-68	1,281,981	812,163	63	63,896	5	748,267-	58-
67-69	1,214,185	745,468	61	62,600	5	682,867-	56-
68-70	1,031,087	691,567	67	47,675	5	643,893-	62-
69-71	953,941	712,712	75	49,950	5	662,762-	69-
70-72	940,232	743,447	79	41,486	4	701,960-	75-
71-73	1,021,863	841,539	82	44,664	4	796,875-	78-
72-74	1,087,256	918,695	84	62,696	6	855,999-	79-
73-75	963,232	899,636	93	66,312	7	833,324-	87-
74-76	1,003,400	1,014,008	101	76,652	8	937,356-	93-
75-77	958,743	1,069,291	112	66,979	7	1,002,312-	105-
76-78	1,056,627	1,247,850	118	72,082	7	1,175,768-	111-
77-79	1,047,544	1,315,655	126	69,004	7	1,246,652-	119-
78-80	1,090,509	1,450,334	133	66,582	6	1,383,752-	127-
79-81	1,172,094	1,637,582	140	82,720	7	1,554,862-	133-
80-82	1,181,703	1,826,526	155	89,138	8	1,737,387-	147-
81-83	1,221,547	2,087,918	171	90,075	7	1,997,842-	164-
82-84	1,158,028	2,409,155	208	86,275	7	2,322,881-	201-
83-85	1,291,240	2,779,897	215	89,169	7	2,690,728-	208-

AMEREN MISSOURI

ACCOUNT 364 POLES AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	1,423,596	3,048,683	214	108,722	8	2,939,961-	207-
85-87	1,513,170	3,151,822	208	112,375	7	3,039,447-	201-
86-88	1,548,513	2,997,259	194	160,545	10	2,836,714-	183-
87-89	1,625,440	2,898,007	178	193,897	12	2,704,110-	166-
88-90	1,703,126	2,798,823	164	298,084	18	2,500,739-	147-
89-91	1,692,228	2,860,036	169	269,127	16	2,590,909-	153-
90-92	1,679,299	2,818,211	168	295,354	18	2,522,856-	150-
91-93	1,758,874	2,872,550	163	203,659	12	2,668,891-	152-
92-94	2,147,030	3,001,093	140	212,946	10	2,788,147-	130-
93-95	2,063,748	3,354,912	163	140,480	7	3,214,432-	156-
94-96	2,292,164	3,396,703	148	128,966	6	3,267,737-	143-
95-97	2,123,879	3,419,046	161	99,007	5	3,320,040-	156-
96-98	2,020,962	3,074,842	152	20,902-	1-	3,095,744-	153-
97-99	1,914,766	3,104,582	162	38,759-	2-	3,143,341-	164-
98-00	1,556,438	2,985,659	192	6,917-	0	2,992,576-	192-
99-01	1,818,651	3,112,716	171	231,501	13	2,881,215-	158-
00-02	1,929,429	3,145,626	163	604,561	31	2,541,064-	132-
01-03	2,039,682	3,562,154	175	950,226	47	2,611,927-	128-
02-04	1,851,427	4,043,948	218	1,004,675	54	3,039,273-	164-
03-05	1,551,351	4,344,944	280	702,900	45	3,642,044-	235-
04-06	2,037,588	5,943,474	292	385,372	19	5,558,103-	273-
05-07	2,679,644	7,697,628	287	423,838	16	7,273,790-	271-
06-08	3,758,992	9,018,478	240	447,166	12	8,571,313-	228-
07-09	5,053,753	13,112,558	259	455,320	9	12,657,238-	250-
08-10	5,909,327	11,772,423	199	228,429	4	11,543,995-	195-
09-11	5,615,965	10,824,216	193	170,576	3	10,653,640-	190-
10-12	4,448,236	5,290,816	119	86,451	2	5,204,365-	117-
11-13	3,590,148	5,487,697	153	87,247	2	5,400,450-	150-
12-14	3,321,618	5,838,953	176	35,390	1	5,803,562-	175-
13-15	3,039,503	7,114,061	234	39,337	1	7,074,724-	233-
14-16	3,154,765	7,519,426	238	38,605	1	7,480,821-	237-
15-17	3,457,573	8,140,045	235	61,877	2	8,078,168-	234-
16-18	3,915,854	7,703,596	197	68,968	2	7,634,628-	195-
FIVE-YEAR AVERAGE							
14-18	3,494,464	7,601,441	218	54,943	2	7,546,498-	216-

AMEREN MISSOURI

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	1,040,265	425,810	41	505,986	49	80,176	8
1962	952,815	444,877	47	178,995	19	265,882-	28-
1963	1,097,170	465,276	42	466,920	43	1,644	0
1964	1,282,942	503,182	39	547,499	43	44,317	3
1965	1,212,839	453,357	37	561,446	46	108,089	9
1966	1,579,773	570,369	36	742,067	47	171,698	11
1967	1,974,820	637,461	32	579,655	29	57,806-	3-
1968	1,736,620	867,329	50	509,499	29	357,830-	21-
1969	2,079,930	947,577	46	713,604	34	233,973-	11-
1970	1,468,855	746,727	51	643,051	44	103,676-	7-
1971	1,587,389	877,126	55	528,095	33	349,031-	22-
1972	1,826,079	980,969	54	536,784	29	444,185-	24-
1973	1,860,795	1,271,662	68	892,142	48	379,520-	20-
1974	1,715,496	1,018,354	59	1,077,458	63	59,104	3
1975	1,335,178	577,950	43	482,773	36	95,177-	7-
1976	2,052,556	1,032,383	50	1,015,830	49	16,553-	1-
1977	1,718,798	1,038,859	60	870,863	51	167,996-	10-
1978	1,800,154	1,226,634	68	1,068,831	59	157,803-	9-
1979	1,922,449	1,376,606	72	1,087,355	57	289,251-	15-
1980	1,882,592	1,470,392	78	767,037	41	703,355-	37-
1981	2,383,759	1,883,109	79	714,789	30	1,168,320-	49-
1982	2,318,697	1,963,422	85	1,162,538	50	800,884-	35-
1983	2,166,463	2,074,041	96	759,426	35	1,314,615-	61-
1984	2,135,016	2,487,871	117	671,620	31	1,816,251-	85-
1985	3,361,412	3,015,407	90	842,068	25	2,173,339-	65-
1986	4,495,526	3,581,801	80	979,330	22	2,602,471-	58-
1987	3,717,159	3,127,851	84	710,646	19	2,417,205-	65-
1988	3,107,802	3,354,214	108	1,746,310	56	1,607,904-	52-
1989	5,026,838	3,607,175	72	1,740,519	35	1,866,656-	37-
1990	3,426,194	3,329,081	97	1,433,618	42	1,895,463-	55-
1991	3,277,086	3,498,431	107	1,089,023	33	2,409,408-	74-
1992	3,047,877	3,200,203	105	1,633,445	54	1,566,758-	51-
1993	2,645,352	3,388,080	128	1,007,187	38	2,380,893-	90-
1994	3,158,468	3,608,627	114	1,363,430	43	2,245,197-	71-
1995	2,441,128	3,585,697	147	856,980	35	2,728,717-	112-
1996	3,946,269	2,935,587	74	573,649	15	2,361,938-	60-
1997	4,026,043	3,262,209	81	472,145	12	2,790,064-	69-
1998	2,922,526	2,709,062	93	426,607	15	2,282,455-	78-
1999	3,017,572	3,220,444	107	504,326	17	2,716,118-	90-
2000	2,565,236	2,980,105	116	432,570	17	2,547,535-	99-
2001	4,781,692	3,315,389	69	469,328	10	2,846,061-	60-
2002	4,311,235	3,435,201	80	698,763	16	2,736,437-	63-
2003	3,959,587	4,062,945	103	1,786,903	45	2,276,042-	57-

AMEREN MISSOURI

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	3,811,040	4,539,823	119	1,611,113	42	2,928,709-	77-
2005	4,617,599	4,717,427	102	1,351,761	29	3,365,666-	73-
2006	6,413,281	8,292,182	129	2,866,875	45	5,425,307-	85-
2007	7,242,990	9,097,472	126	2,157,309	30	6,940,164-	96-
2008	9,713,107	8,234,667	85	2,850,536	29	5,384,131-	55-
2009	11,912,626	8,823,261	74	1,938,637	16	6,884,624-	58-
2010	11,786,852	7,051,384	60	3,600,626	31	3,450,759-	29-
2011	8,883,922	5,778,271	65	2,808,310	32	2,969,961-	33-
2012	10,416,176	5,133,799	49	1,336,742	13	3,797,057-	36-
2013	7,244,830	5,910,647	82	1,307,028	18	4,603,619-	64-
2014	7,117,696	4,977,240	70	930,092	13	4,047,148-	57-
2015	5,928,528	5,100,744	86	645,834	11	4,454,910-	75-
2016	9,916,602	4,479,399	45	519,116	5	3,960,283-	40-
2017	9,266,856	5,632,234	61	287,743	3	5,344,491-	58-
2018	9,329,473	4,353,536	47	621,765	7	3,731,771-	40-
TOTAL	231,968,029	180,680,938	78	60,684,597	26	119,996,341-	52-

THREE-YEAR MOVING AVERAGES

61-63	1,030,083	445,321	43	383,967	37	61,354-	6-
62-64	1,110,976	471,112	42	397,805	36	73,307-	7-
63-65	1,197,650	473,938	40	525,288	44	51,350	4
64-66	1,358,518	508,969	37	617,004	45	108,035	8
65-67	1,589,144	553,729	35	627,723	40	73,994	5
66-68	1,763,738	691,720	39	610,407	35	81,313-	5-
67-69	1,930,457	817,456	42	600,919	31	216,536-	11-
68-70	1,761,802	853,878	48	622,051	35	231,826-	13-
69-71	1,712,058	857,143	50	628,250	37	228,893-	13-
70-72	1,627,441	868,274	53	569,310	35	298,964-	18-
71-73	1,758,088	1,043,252	59	652,340	37	390,912-	22-
72-74	1,800,790	1,090,328	61	835,461	46	254,867-	14-
73-75	1,637,156	955,989	58	817,458	50	138,531-	8-
74-76	1,701,077	876,229	52	858,687	50	17,542-	1-
75-77	1,702,177	883,064	52	789,822	46	93,242-	5-
76-78	1,857,169	1,099,292	59	985,175	53	114,117-	6-
77-79	1,813,800	1,214,033	67	1,009,016	56	205,017-	11-
78-80	1,868,398	1,357,877	73	974,408	52	383,470-	21-
79-81	2,062,933	1,576,702	76	856,394	42	720,309-	35-
80-82	2,195,016	1,772,308	81	881,455	40	890,853-	41-
81-83	2,289,640	1,973,524	86	878,918	38	1,094,606-	48-
82-84	2,206,725	2,175,111	99	864,528	39	1,310,583-	59-
83-85	2,554,297	2,525,773	99	757,705	30	1,768,068-	69-

AMEREN MISSOURI

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	3,330,651	3,028,360	91	831,006	25	2,197,354-	66-
85-87	3,858,032	3,241,686	84	844,015	22	2,397,672-	62-
86-88	3,773,496	3,354,622	89	1,145,429	30	2,209,193-	59-
87-89	3,950,600	3,363,080	85	1,399,158	35	1,963,922-	50-
88-90	3,853,611	3,430,157	89	1,640,149	43	1,790,008-	46-
89-91	3,910,039	3,478,229	89	1,421,053	36	2,057,176-	53-
90-92	3,250,386	3,342,572	103	1,385,362	43	1,957,210-	60-
91-93	2,990,105	3,362,238	112	1,243,218	42	2,119,020-	71-
92-94	2,950,566	3,398,970	115	1,334,687	45	2,064,283-	70-
93-95	2,748,316	3,527,468	128	1,075,866	39	2,451,602-	89-
94-96	3,181,955	3,376,637	106	931,353	29	2,445,284-	77-
95-97	3,471,147	3,261,164	94	634,258	18	2,626,906-	76-
96-98	3,631,613	2,968,953	82	490,800	14	2,478,152-	68-
97-99	3,322,047	3,063,905	92	467,693	14	2,596,212-	78-
98-00	2,835,111	2,969,870	105	454,501	16	2,515,369-	89-
99-01	3,454,833	3,171,979	92	468,741	14	2,703,238-	78-
00-02	3,886,054	3,243,565	83	533,554	14	2,710,011-	70-
01-03	4,350,838	3,604,512	83	984,998	23	2,619,514-	60-
02-04	4,027,287	4,012,656	100	1,365,593	34	2,647,063-	66-
03-05	4,129,409	4,440,065	108	1,583,259	38	2,856,806-	69-
04-06	4,947,307	5,849,810	118	1,943,250	39	3,906,561-	79-
05-07	6,091,290	7,369,027	121	2,125,315	35	5,243,712-	86-
06-08	7,789,793	8,541,440	110	2,624,906	34	5,916,534-	76-
07-09	9,622,907	8,718,467	91	2,315,494	24	6,402,973-	67-
08-10	11,137,528	8,036,438	72	2,796,600	25	5,239,838-	47-
09-11	10,861,133	7,217,639	66	2,782,524	26	4,435,115-	41-
10-12	10,362,317	5,987,818	58	2,581,893	25	3,405,925-	33-
11-13	8,848,309	5,607,572	63	1,817,360	21	3,790,212-	43-
12-14	8,259,567	5,340,562	65	1,191,288	14	4,149,274-	50-
13-15	6,763,684	5,329,544	79	960,985	14	4,368,559-	65-
14-16	7,654,275	4,852,461	63	698,347	9	4,154,114-	54-
15-17	8,370,662	5,070,793	61	484,231	6	4,586,561-	55-
16-18	9,504,311	4,821,723	51	476,208	5	4,345,515-	46-
FIVE-YEAR AVERAGE							
14-18	8,311,831	4,908,631	59	600,910	7	4,307,721-	52-

AMEREN MISSOURI

ACCOUNT 366 UNDERGROUND CONDUIT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	69,373	79,364	114	2,769	4	76,595-	110-
1962	36,335	75,712	208	710	2	75,002-	206-
1963	97,397	60,995	63	551	1	60,444-	62-
1964	132,671	88,362	67	3,844	3	84,518-	64-
1965	122,871	48,515	39	956	1	47,559-	39-
1966	94,555	56,250	59	1,696	2	54,554-	58-
1967	91,827	53,613	58	1,510	2	52,103-	57-
1968	49,703	75,996	153	2,103-	4-	78,099-	157-
1969	82,808	37,215	45	226	0	36,989-	45-
1970	21,198	70,887	334	1,419	7	69,468-	328-
1971	44,217	40,131	91	2,591	6	37,540-	85-
1972	7,888	28,216	358	371	5	27,845-	353-
1973	11,144	43,928	394	3,930	35	39,998-	359-
1974	8,096	49,622	613	1,783	22	47,839-	591-
1975	51,399	32,563	63	393	1	32,170-	63-
1976	59,835	28,829	48	13,825-	23-	42,654-	71-
1977	39,256	42,704	109	10,505-	27-	53,209-	136-
1978	11,585	24,473	211	4,774-	41-	29,247-	252-
1979	10,474	16,173	154	5,533	53	10,640-	102-
1980	39,991	18,526	46	216	1	18,310-	46-
1981	9,233	12,477	135	6,472-	70-	18,949-	205-
1982	44,352	28,334	64	655-	1-	28,989-	65-
1983	68,490	55,732	81	3,431-	5-	59,163-	86-
1984	31,358	52,665	168	4,568-	15-	57,233-	183-
1985	64,240	46,336	72	16,499-	26-	62,835-	98-
1986	82,541	41,475	50	17,517	21	23,958-	29-
1987	129,549	80,969	63	4,198	3	76,771-	59-
1988	250,541	60,784	24	13,697-	5-	74,481-	30-
1989	189,966	37,476	20	54,188	29	16,712	9
1990	485,569	40,942	8	7,819	2	33,123-	7-
1991	235,693	70,952	30	6,493-	3-	77,445-	33-
1992	246,818	103,204	42	3,172	1	100,032-	41-
1993	186,397	57,664	31	8,391	5	49,273-	26-
1994	41,345	50,833	123	5,387	13	45,446-	110-
1995	122,778	42,620	35	8,600	7	34,020-	28-
1996	85,981	65,558	76	48,035-	56-	113,593-	132-
1997	85,867	29,666	35	11,882	14	17,784-	21-
1998	73,190	75,067	103	32,504-	44-	107,571-	147-
1999	52,582	37,597	72	267,455-	509-	305,052-	580-
2000	53,515	19,449	36	23,458-	44-	42,907-	80-
2001	92,676	22,046	24	5,170	6	16,876-	18-
2002	119,808	30,415	25	100,537-	84-	130,951-	109-
2003	146,399	32,943	23	159,363	109	126,420	86

AMEREN MISSOURI

ACCOUNT 366 UNDERGROUND CONDUIT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	130,750	36,986	28	435,058	333	398,071	304
2005	128,504	38,846	30	13,007	10	25,839-	20-
2006	154,258	54,192	35	53,007	34	1,185-	1-
2007	128,368	27,357	21	18,399	14	8,957-	7-
2008	119,708	60,975	51	10,111-	8-	71,087-	59-
2009	202,900	110,984	55	13,507-	7-	124,491-	61-
2010	304,996	84,971	28	27,816	9	57,155-	19-
2011	227,363	287,686	127	15,199-	7-	302,885-	133-
2012	191,460	732,799	383	4,415	2	728,383-	380-
2013	135,746	887,587	654	20,148	15	867,439-	639-
2014	169,748	2,756,010		11,302	7	2,744,709-	
2015	147,574	3,472,875		36,711	25	3,436,164-	
2016	204,149	5,411,099		4,782	2	5,406,317-	
2017	273,053	4,701,992		46,384-	17-	4,748,377-	
2018	306,554	4,953,424		40,328	13	4,913,097-	
TOTAL	6,806,640	25,685,061	377	338,944	5	25,346,117-	372-

THREE-YEAR MOVING AVERAGES

61-63	67,702	72,024	106	1,343	2	70,680-	104-
62-64	88,801	75,023	84	1,702	2	73,321-	83-
63-65	117,646	65,957	56	1,784	2	64,174-	55-
64-66	116,699	64,376	55	2,165	2	62,210-	53-
65-67	103,084	52,793	51	1,387	1	51,405-	50-
66-68	78,695	61,953	79	368	0	61,585-	78-
67-69	74,779	55,608	74	122-	0	55,730-	75-
68-70	51,236	61,366	120	153-	0	61,519-	120-
69-71	49,408	49,411	100	1,412	3	47,999-	97-
70-72	24,434	46,411	190	1,460	6	44,951-	184-
71-73	21,083	37,425	178	2,297	11	35,128-	167-
72-74	9,043	40,589	449	2,028	22	38,561-	426-
73-75	23,546	42,038	179	2,035	9	40,002-	170-
74-76	39,777	37,005	93	3,883-	10-	40,888-	103-
75-77	50,163	34,699	69	7,979-	16-	42,678-	85-
76-78	36,892	32,002	87	9,701-	26-	41,703-	113-
77-79	20,438	27,783	136	3,249-	16-	31,032-	152-
78-80	20,683	19,724	95	325	2	19,399-	94-
79-81	19,899	15,725	79	241-	1-	15,966-	80-
80-82	31,192	19,779	63	2,304-	7-	22,083-	71-
81-83	40,692	32,181	79	3,519-	9-	35,700-	88-
82-84	48,067	45,577	95	2,885-	6-	48,462-	101-
83-85	54,696	51,578	94	8,166-	15-	59,744-	109-

AMEREN MISSOURI

ACCOUNT 366 UNDERGROUND CONDUIT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	59,380	46,825	79	1,183-	2-	48,009-	81-
85-87	92,110	56,260	61	1,739	2	54,521-	59-
86-88	154,210	61,076	40	2,673	2	58,403-	38-
87-89	190,019	59,743	31	14,896	8	44,847-	24-
88-90	308,692	46,401	15	16,103	5	30,297-	10-
89-91	303,743	49,790	16	18,505	6	31,285-	10-
90-92	322,693	71,699	22	1,499	0	70,200-	22-
91-93	222,969	77,273	35	1,690	1	75,583-	34-
92-94	158,187	70,567	45	5,650	4	64,917-	41-
93-95	116,840	50,372	43	7,459	6	42,913-	37-
94-96	83,368	53,004	64	11,349-	14-	64,353-	77-
95-97	98,209	45,948	47	9,184-	9-	55,132-	56-
96-98	81,679	56,764	69	22,886-	28-	79,649-	98-
97-99	70,546	47,443	67	96,026-	136-	143,469-	203-
98-00	59,762	44,038	74	107,806-	180-	151,843-	254-
99-01	66,258	26,364	40	95,248-	144-	121,612-	184-
00-02	88,666	23,970	27	39,608-	45-	63,578-	72-
01-03	119,627	28,468	24	21,332	18	7,136-	6-
02-04	132,319	33,448	25	164,628	124	131,180	99
03-05	135,217	36,258	27	202,476	150	166,217	123
04-06	137,837	43,341	31	167,024	121	123,682	90
05-07	137,043	40,132	29	28,138	21	11,994-	9-
06-08	134,111	47,508	35	20,432	15	27,076-	20-
07-09	150,325	66,439	44	1,740-	1-	68,178-	45-
08-10	209,201	85,644	41	1,399	1	84,244-	40-
09-11	245,086	161,214	66	297-	0	161,510-	66-
10-12	241,273	368,485	153	5,677	2	362,808-	150-
11-13	184,856	636,024	344	3,121	2	632,902-	342-
12-14	165,652	1,458,799	881	11,955	7	1,446,844-	873-
13-15	151,023	2,372,157		22,720	15	2,349,437-	
14-16	173,824	3,879,995		17,598	10	3,862,396-	
15-17	208,259	4,528,655		1,630-	1-	4,530,286-	
16-18	261,252	5,022,172		425-	0	5,022,597-	
FIVE-YEAR AVERAGE							
14-18	220,216	4,259,080		9,348	4	4,249,733-	

AMEREN MISSOURI

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	277,693	73,446	26	199,248	72	125,802	45
1962	314,087	90,336	29	204,825	65	114,489	36
1963	477,525	98,785	21	173,161	36	74,376	16
1964	516,501	120,288	23	358,209	69	237,921	46
1965	249,645	85,209	34	131,369	53	46,160	18
1966	545,368	139,106	26	349,495	64	210,389	39
1967	414,337	110,976	27	324,671	78	213,695	52
1968	519,213	147,637	28	229,184	44	81,547	16
1969	428,297	114,201	27	233,060	54	118,859	28
1970	468,757	74,929	16	208,931	45	134,002	29
1971	368,034	65,853	18	222,143	60	156,290	42
1972	380,451	83,388	22	149,059	39	65,671	17
1973	176,587	66,797	38	256,257	145	189,460	107
1974	227,888	79,863	35	210,928	93	131,065	58
1975	256,468	95,254	37	173,967	68	78,713	31
1976	221,760	124,575	56	122,908	55	1,667-	1-
1977	268,161	169,052	63	116,271	43	52,781-	20-
1978	415,310	194,621	47	162,772	39	31,849-	8-
1979	398,068	173,963	44	240,773	60	66,810	17
1980	1,072,665	547,825	51	1,205,809	112	657,984	61
1981	695,537	217,127	31	217,955	31	828	0
1982	574,015	312,409	54	210,517	37	101,892-	18-
1983	506,001	335,797	66	205,296	41	130,501-	26-
1984	580,674	413,399	71	594,730	102	181,331	31
1985	587,180	396,635	68	160,987	27	235,648-	40-
1986	729,140	459,772	63	143,516	20	316,256-	43-
1987	658,651	396,104	60	194,376	30	201,728-	31-
1988	722,072	421,786	58	338,762	47	83,024-	11-
1989	892,262	547,134	61	491,083-	55-	1,038,217-	116-
1990	647,017	548,238	85	426,186	66	122,052-	19-
1991	725,299	526,198	73	110,095-	15-	636,293-	88-
1992	733,443	543,974	74	110,733	15	433,241-	59-
1993	874,372	674,016	77	275,755	32	398,261-	46-
1994	1,109,719	834,452	75	229,227	21	605,225-	55-
1995	691,538	864,997	125	796,652	115	68,345-	10-
1996	869,162	669,863	77	19,594-	2-	689,457-	79-
1997	845,383	623,153	74	25,630	3	597,523-	71-
1998	515,912	463,481	90	53,389-	10-	516,870-	100-
1999	692,674	470,362	68	858,048-	124-	1,328,410-	192-
2000	741,950	504,375	68	171,805-	23-	676,180-	91-
2001	2,451,766	540,173	22	339,392-	14-	879,565-	36-
2002	1,303,690	561,005	43	1,788,808-	137-	2,349,813-	180-
2003	1,243,294	586,673	47	214,756-	17-	801,430-	64-

AMEREN MISSOURI

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	946,747	554,710	59	272,959	29	281,751-	30-
2005	1,337,801	524,663	39	1,285,993-	96-	1,810,656-	135-
2006	1,801,794	524,479	29	146,250-	8-	670,730-	37-
2007	2,806,752	610,333	22	349,714-	12-	960,047-	34-
2008	2,348,018	848,754	36	854,515-	36-	1,703,268-	73-
2009	2,572,317	1,574,515	61	313,134	12	1,261,381-	49-
2010	3,660,505	858,760	23	845,437	23	13,323-	0
2011	2,605,291	1,117,628	43	1,476,668	57	359,041	14
2012	1,902,074	1,345,801	71	920,720	48	425,082-	22-
2013	3,549,033	1,626,768	46	1,244,391	35	382,377-	11-
2014	3,460,058	2,067,220	60	318,195	9	1,749,026-	51-
2015	3,967,779	2,539,878	64	853,064	21	1,686,814-	43-
2016	4,812,084	2,880,635	60	740,952	15	2,139,682-	44-
2017	4,611,519	3,422,764	74	395,024	9	3,027,740-	66-
2018	4,398,430	3,283,140	75	580,292	13	2,702,848-	61-
TOTAL	72,167,766	38,347,275	53	10,480,755	15	27,866,520-	39-

THREE-YEAR MOVING AVERAGES

61-63	356,435	87,522	25	192,411	54	104,889	29
62-64	436,038	103,136	24	245,398	56	142,262	33
63-65	414,557	101,427	24	220,913	53	119,486	29
64-66	437,171	114,868	26	279,691	64	164,823	38
65-67	403,117	111,764	28	268,512	67	156,748	39
66-68	492,973	132,573	27	301,117	61	168,544	34
67-69	453,949	124,271	27	262,305	58	138,034	30
68-70	472,089	112,256	24	223,725	47	111,469	24
69-71	421,696	84,994	20	221,378	52	136,384	32
70-72	405,747	74,723	18	193,378	48	118,654	29
71-73	308,357	72,013	23	209,153	68	137,140	44
72-74	261,642	76,683	29	205,415	79	128,732	49
73-75	220,314	80,638	37	213,717	97	133,079	60
74-76	235,372	99,897	42	169,268	72	69,370	29
75-77	248,796	129,627	52	137,715	55	8,088	3
76-78	301,744	162,749	54	133,984	44	28,766-	10-
77-79	360,513	179,212	50	173,272	48	5,940-	2-
78-80	628,681	305,470	49	536,451	85	230,982	37
79-81	722,090	312,972	43	554,846	77	241,874	33
80-82	780,739	359,120	46	544,760	70	185,640	24
81-83	591,851	288,444	49	211,256	36	77,188-	13-
82-84	553,563	353,868	64	336,848	61	17,021-	3-
83-85	557,952	381,944	68	320,338	57	61,606-	11-

AMEREN MISSOURI

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	632,331	423,269	67	299,744	47	123,524-	20-
85-87	658,324	417,504	63	166,293	25	251,211-	38-
86-88	703,288	425,887	61	225,551	32	200,336-	28-
87-89	757,662	455,008	60	14,018	2	440,990-	58-
88-90	753,784	505,719	67	91,288	12	414,431-	55-
89-91	754,859	540,523	72	58,331-	8-	598,854-	79-
90-92	701,920	539,470	77	142,275	20	397,195-	57-
91-93	777,705	581,396	75	92,131	12	489,265-	63-
92-94	905,845	684,147	76	205,238	23	478,909-	53-
93-95	891,876	791,155	89	433,878	49	357,277-	40-
94-96	890,140	789,771	89	335,428	38	454,342-	51-
95-97	802,028	719,338	90	267,563	33	451,775-	56-
96-98	743,486	585,499	79	15,784-	2-	601,283-	81-
97-99	684,656	518,999	76	295,269-	43-	814,268-	119-
98-00	650,179	479,406	74	361,081-	56-	840,487-	129-
99-01	1,295,463	504,970	39	456,415-	35-	961,385-	74-
00-02	1,499,135	535,184	36	766,668-	51-	1,301,853-	87-
01-03	1,666,250	562,617	34	780,985-	47-	1,343,602-	81-
02-04	1,164,577	567,463	49	576,868-	50-	1,144,331-	98-
03-05	1,175,947	555,349	47	409,264-	35-	964,612-	82-
04-06	1,362,114	534,617	39	386,428-	28-	921,046-	68-
05-07	1,982,115	553,158	28	593,986-	30-	1,147,144-	58-
06-08	2,318,854	661,189	29	450,160-	19-	1,111,348-	48-
07-09	2,575,696	1,011,200	39	297,032-	12-	1,308,232-	51-
08-10	2,860,280	1,094,010	38	101,352	4	992,658-	35-
09-11	2,946,038	1,183,634	40	878,413	30	305,221-	10-
10-12	2,722,623	1,107,396	41	1,080,942	40	26,455-	1-
11-13	2,685,466	1,363,399	51	1,213,926	45	149,472-	6-
12-14	2,970,388	1,679,930	57	827,768	28	852,161-	29-
13-15	3,658,957	2,077,955	57	805,217	22	1,272,739-	35-
14-16	4,079,974	2,495,911	61	637,404	16	1,858,507-	46-
15-17	4,463,794	2,947,759	66	663,013	15	2,284,746-	51-
16-18	4,607,344	3,195,513	69	572,090	12	2,623,423-	57-
FIVE-YEAR AVERAGE							
14-18	4,249,974	2,838,727	67	577,505	14	2,261,222-	53-

AMEREN MISSOURI

ACCOUNT 368 LINE TRANSFORMERS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	221,189		0	42,226	19	42,226	19
1962	162,173		0	26,217	16	26,217	16
1963	227,779		0	26,036	11	26,036	11
1964	281,369		0	31,475	11	31,475	11
1965	348,066		0	53,277	15	53,277	15
1966	337,812		0	74,470	22	74,470	22
1967	1,021,694		0	145,164	14	145,164	14
1968	586,854		0	140,161	24	140,161	24
1969	785,564		0	112,412	14	112,412	14
1970	554,544		0	112,741	20	112,741	20
1971	449,690		0	101,187	23	101,187	23
1972	561,333		0	75,845	14	75,845	14
1973	422,116		0	73,168	17	73,168	17
1974	444,561		0	135,069	30	135,069	30
1975	366,135		0	61,707	17	61,707	17
1976	626,079		0	110,001	18	110,001	18
1977	1,506,463		0	123,674	8	123,674	8
1978	375,619		0	85,323	23	85,323	23
1979	536,475		0	217,377	41	217,377	41
1980	667,410		0	114,039	17	114,039	17
1981	601,354		0	65,011	11	65,011	11
1982	966,694		0	22,549	2	22,549	2
1983	598,672		0	85,775	14	85,775	14
1984	583,599		0	240,325	41	240,325	41
1985	1,506,255		0	160,555	11	160,555	11
1986	2,254,922		0	235,706	10	235,706	10
1987	2,525,448		0	262,562	10	262,562	10
1988	2,069,945		0	66,358-	3-	66,358-	3-
1989	2,473,265		0	134,918-	5-	134,918-	5-
1990	2,226,955		0	59,000-	3-	59,000-	3-
1991	3,041,164		0	82,423	3	82,423	3
1992	2,164,153		0	194,224	9	194,224	9
1993	3,914,443		0	25,656	1	25,656	1
1994	3,740,840		0	73,825	2	73,825	2
1995	3,700,676	9,624	0	14,680	0	5,056	0
1996	4,584,929	1,907	0	43,681	1	41,774	1
1997	3,537,491	8,750	0	73,038	2	64,288	2
1998	2,511,952	1,880	0	97,319	4	95,439	4
1999	2,214,084		0	50,448	2	50,448	2
2000	3,062,545		0	17,413-	1-	17,413-	1-
2001	2,579,364		0	36,598-	1-	36,598-	1-
2002	3,197,020		0	80,015-	3-	80,015-	3-
2003	2,311,328		0	15,850	1	15,850	1

AMEREN MISSOURI

ACCOUNT 368 LINE TRANSFORMERS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	2,629,717		0	8,963-	0	8,963-	0
2005	3,200,870		0	18,979	1	18,979	1
2006	2,992,936		0	85,214	3	85,214	3
2007	3,735,777		0	19,376	1	19,376	1
2008	3,697,508		0		0		0
2009	3,763,687		0	110,000	3	110,000	3
2010	6,883,740	26,900	0	1,254,956	18	1,228,056	18
2011	5,561,497	44,296	1	1,466,894	26	1,422,599	26
2012	6,797,969	286,861	4	1,278,132	19	991,271	15
2013	5,502,374	317,938	6	1,069,545	19	751,607	14
2014	6,438,025	290,784	5	981,199	15	690,414	11
2015	5,309,253	249,743	5	654,181	12	404,438	8
2016	4,974,058	211,786	4	131,378	3	80,408-	2-
2017	4,525,241	163,530	4	130,633	3	32,897-	1-
2018	5,593,826	180,753	3	145,115	3	35,638-	1-
TOTAL	138,456,500	1,794,752	1	10,547,535	8	8,752,782	6

THREE-YEAR MOVING AVERAGES

61-63	203,714		0	31,493	15	31,493	15
62-64	223,774		0	27,909	12	27,909	12
63-65	285,738		0	36,929	13	36,929	13
64-66	322,416		0	53,074	16	53,074	16
65-67	569,191		0	90,970	16	90,970	16
66-68	648,787		0	119,932	18	119,932	18
67-69	798,037		0	132,579	17	132,579	17
68-70	642,321		0	121,771	19	121,771	19
69-71	596,599		0	108,780	18	108,780	18
70-72	521,856		0	96,591	19	96,591	19
71-73	477,713		0	83,400	17	83,400	17
72-74	476,003		0	94,694	20	94,694	20
73-75	410,937		0	89,981	22	89,981	22
74-76	478,925		0	102,259	21	102,259	21
75-77	832,892		0	98,461	12	98,461	12
76-78	836,054		0	106,333	13	106,333	13
77-79	806,186		0	142,125	18	142,125	18
78-80	526,501		0	138,913	26	138,913	26
79-81	601,746		0	132,142	22	132,142	22
80-82	745,153		0	67,200	9	67,200	9
81-83	722,240		0	57,778	8	57,778	8
82-84	716,322		0	116,216	16	116,216	16
83-85	896,175		0	162,218	18	162,218	18

AMEREN MISSOURI

ACCOUNT 368 LINE TRANSFORMERS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	1,448,259		0	212,195	15	212,195	15
85-87	2,095,542		0	219,608	10	219,608	10
86-88	2,283,438		0	143,970	6	143,970	6
87-89	2,356,219		0	20,429	1	20,429	1
88-90	2,256,722		0	86,759-	4-	86,759-	4-
89-91	2,580,461		0	37,165-	1-	37,165-	1-
90-92	2,477,424		0	72,549	3	72,549	3
91-93	3,039,920		0	100,768	3	100,768	3
92-94	3,273,145		0	97,902	3	97,902	3
93-95	3,785,320	3,208	0	38,054	1	34,846	1
94-96	4,008,815	3,844	0	44,062	1	40,218	1
95-97	3,941,032	6,760	0	43,800	1	37,039	1
96-98	3,544,791	4,179	0	71,346	2	67,167	2
97-99	2,754,509	3,543	0	73,602	3	70,058	3
98-00	2,596,194	627	0	43,451	2	42,825	2
99-01	2,618,664		0	1,188-	0	1,188-	0
00-02	2,946,310		0	44,675-	2-	44,675-	2-
01-03	2,695,904		0	33,588-	1-	33,588-	1-
02-04	2,712,689		0	24,376-	1-	24,376-	1-
03-05	2,713,972		0	8,622	0	8,622	0
04-06	2,941,174		0	31,743	1	31,743	1
05-07	3,309,861		0	41,190	1	41,190	1
06-08	3,475,407		0	34,863	1	34,863	1
07-09	3,732,324		0	43,125	1	43,125	1
08-10	4,781,645	8,967	0	454,985	10	446,019	9
09-11	5,402,975	23,732	0	943,950	17	920,218	17
10-12	6,414,402	119,352	2	1,333,328	21	1,213,975	19
11-13	5,953,946	216,365	4	1,271,524	21	1,055,159	18
12-14	6,246,122	298,528	5	1,109,625	18	811,097	13
13-15	5,749,884	286,155	5	901,642	16	615,486	11
14-16	5,573,779	250,771	4	588,919	11	338,148	6
15-17	4,936,184	208,353	4	305,397	6	97,044	2
16-18	5,031,042	185,356	4	135,709	3	49,648-	1-
FIVE-YEAR AVERAGE							
14-18	5,368,081	219,319	4	408,501	8	189,182	4

AMEREN MISSOURI

ACCOUNT 369.1 OVERHEAD SERVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	359,987	139,008	39	8,173	2	130,835-	36-
1962	254,676	122,194	48	1,694	1	120,500-	47-
1963	267,044	123,122	46	21,181	8	101,941-	38-
1964	275,701	130,650	47	10,320	4	120,330-	44-
1965	275,389	101,270	37	6,968	3	94,302-	34-
1966	332,230	119,457	36	13,460	4	105,997-	32-
1967	381,955	189,510	50	14,608	4	174,902-	46-
1968	392,132	234,769	60	9,559-	2-	244,328-	62-
1969	401,875	257,275	64	13,057	3	244,218-	61-
1970	354,564	270,011	76	563	0	269,448-	76-
1971	419,135	360,729	86	14,885	4	345,844-	83-
1972	425,397	461,086	108	5,415	1	455,671-	107-
1973	428,878	371,507	87	5,581	1	365,926-	85-
1974	407,320	502,724	123	4,042	1	498,682-	122-
1975	304,484	752,240	247	96-	0	752,336-	247-
1976	405,334	576,334	142	8,026	2	568,308-	140-
1977	347,228	626,893	181	1,424	0	625,469-	180-
1978	366,069	671,802	184	2,168	1	669,634-	183-
1979	402,625	758,331	188	4,760	1	753,571-	187-
1980	380,286	806,706	212	11,702	3	795,004-	209-
1981	399,214	893,205	224	9,163	2	884,042-	221-
1982	326,325	893,699	274	7,165	2	886,534-	272-
1983	331,555	854,810	258	11,430	3	843,380-	254-
1984	400,661	993,348	248	14,076	4	979,272-	244-
1985	443,357	1,069,969	241	2,989	1	1,066,980-	241-
1986	384,131	1,081,243	281	26,625	7	1,054,618-	275-
1987	351,207	1,070,434	305	17,573	5	1,052,861-	300-
1988							
1989	394,919	1,311,391	332	48,361-	12-	1,359,752-	344-
1990	474,250	1,862,823	393	36,721-	8-	1,899,544-	401-
1991	503,255	1,612,161	320	38,548-	8-	1,650,709-	328-
1992	586,503	1,377,160	235	2,972	1	1,374,188-	234-
1993	518,051	1,684,798	325	10,339	2	1,674,459-	323-
1994	713,480	1,851,578	260	9,774	1	1,841,804-	258-
1995	320,599	1,565,828	488	15,834-	5-	1,581,662-	493-
1996	1,228,264	895,472	73	4,164-	0	899,636-	73-
1997	528,157	843,695	160	1,137	0	842,558-	160-
1998	319,655	951,827	298	9,852	3	941,975-	295-
1999	389,097	904,820	233	9,243	2	895,577-	230-
2000	288,117	786,694	273	2,383	1	784,311-	272-
2001	605,062	892,388	147	955-	0	893,343-	148-
2002	214,626	836,858	390	19,047-	9-	855,905-	399-
2003	231,752	1,195,687	516	1,622-	1-	1,197,309-	517-

AMEREN MISSOURI

ACCOUNT 369.1 OVERHEAD SERVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	272,152	1,185,942	436	65,945-	24-	1,251,887-	460-
2005	348,815	912,179	262	18,680	5	893,499-	256-
2006	439,332	3,891,799	886	26,448	6	3,865,351-	880-
2007	621,299	2,237,122	360	84,731	14	2,152,391-	346-
2008	513,468	988,382	192	62,977	12	925,405-	180-
2009	822,894	781,027	95	11,373	1	769,654-	94-
2010	494,133	598,074	121	6,282-	1-	604,356-	122-
2011	554,045	1,029,563	186	14,371-	3-	1,043,934-	188-
2012	350,348	498,347	142	6,789	2	491,558-	140-
2013	534,843	935,958	175	19,623	4	916,334-	171-
2014	428,443	830,249	194	1,521-	0	831,769-	194-
2015	429,786	1,103,735	257	26,506	6	1,077,229-	251-
2016	514,773	1,196,005	232	1,084	0	1,194,921-	232-
2017	485,469	943,842	194	11,057-	2-	954,899-	197-
2018	458,054	958,372	209	3,085-	1-	961,456-	210-
TOTAL	24,402,399	51,096,102	209	263,792	1	50,832,310-	208-

THREE-YEAR MOVING AVERAGES

61-63	293,902	128,108	44	10,349	4	117,759-	40-
62-64	265,807	125,322	47	11,065	4	114,257-	43-
63-65	272,711	118,347	43	12,823	5	105,524-	39-
64-66	294,440	117,126	40	10,249	3	106,876-	36-
65-67	329,858	136,746	41	11,679	4	125,067-	38-
66-68	368,772	181,245	49	6,170	2	175,076-	47-
67-69	391,987	227,185	58	6,035	2	221,149-	56-
68-70	382,857	254,018	66	1,354	0	252,665-	66-
69-71	391,858	296,005	76	9,502	2	286,503-	73-
70-72	399,699	363,942	91	6,954	2	356,988-	89-
71-73	424,470	397,774	94	8,627	2	389,147-	92-
72-74	420,532	445,106	106	5,013	1	440,093-	105-
73-75	380,227	542,157	143	3,176	1	538,981-	142-
74-76	372,379	610,433	164	3,991	1	606,442-	163-
75-77	352,349	651,822	185	3,118	1	648,704-	184-
76-78	372,877	625,010	168	3,873	1	621,137-	167-
77-79	371,974	685,675	184	2,784	1	682,891-	184-
78-80	382,993	745,613	195	6,210	2	739,403-	193-
79-81	394,042	819,414	208	8,542	2	810,872-	206-
80-82	368,608	864,537	235	9,343	3	855,193-	232-
81-83	352,365	880,571	250	9,253	3	871,319-	247-
82-84	352,847	913,952	259	10,890	3	903,062-	256-
83-85	391,858	972,709	248	9,498	2	963,211-	246-

AMEREN MISSOURI

ACCOUNT 369.1 OVERHEAD SERVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	409,383	1,048,187	256	14,563	4	1,033,623-	252-
85-87	392,898	1,073,882	273	15,729	4	1,058,153-	269-
86-88	245,113	717,226	293	14,733	6	702,493-	287-
87-89	248,709	793,942	319	10,263-	4-	804,204-	323-
88-90	289,723	1,058,071	365	28,361-	10-	1,086,432-	375-
89-91	457,475	1,595,458	349	41,210-	9-	1,636,668-	358-
90-92	521,336	1,617,381	310	24,099-	5-	1,641,480-	315-
91-93	535,936	1,558,040	291	8,412-	2-	1,566,452-	292-
92-94	606,011	1,637,845	270	7,695	1	1,630,150-	269-
93-95	517,377	1,700,735	329	1,426	0	1,699,308-	328-
94-96	754,114	1,437,626	191	3,408-	0	1,441,034-	191-
95-97	692,340	1,101,665	159	6,287-	1-	1,107,952-	160-
96-98	692,025	896,998	130	2,275	0	894,723-	129-
97-99	412,303	900,114	218	6,744	2	893,370-	217-
98-00	332,290	881,114	265	7,159	2	873,954-	263-
99-01	427,425	861,301	202	3,557	1	857,744-	201-
00-02	369,268	838,647	227	5,873-	2-	844,520-	229-
01-03	350,480	974,978	278	7,208-	2-	982,186-	280-
02-04	239,510	1,072,829	448	28,872-	12-	1,101,701-	460-
03-05	284,239	1,097,936	386	16,296-	6-	1,114,232-	392-
04-06	353,433	1,996,640	565	6,939-	2-	2,003,579-	567-
05-07	469,815	2,347,033	500	43,286	9	2,303,747-	490-
06-08	524,699	2,372,435	452	58,052	11	2,314,383-	441-
07-09	652,554	1,335,511	205	53,027	8	1,282,483-	197-
08-10	610,165	789,161	129	22,689	4	766,472-	126-
09-11	623,691	802,888	129	3,093-	0	805,981-	129-
10-12	466,175	708,661	152	4,621-	1-	713,283-	153-
11-13	479,745	821,289	171	4,014	1	817,276-	170-
12-14	437,878	754,851	172	8,297	2	746,554-	170-
13-15	464,357	956,647	206	14,870	3	941,778-	203-
14-16	457,667	1,043,330	228	8,690	2	1,034,640-	226-
15-17	476,676	1,081,194	227	5,511	1	1,075,683-	226-
16-18	486,099	1,032,740	212	4,353-	1-	1,037,092-	213-
FIVE-YEAR AVERAGE							
14-18	463,305	1,006,441	217	2,386	1	1,004,055-	217-

AMEREN MISSOURI

ACCOUNT 369.2 UNDERGROUND SERVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	44,350	34,812	78	24,212	55	10,600-	24-
1962	40,209	11,932	30	76	0	11,856-	29-
1963	64,453	13,475	21	1,065	2	12,410-	19-
1964	58,652	12,047	21	33	0	12,014-	20-
1965	50,617	14,923	29	791	2	14,132-	28-
1966	40,571	12,670	31	4,966	12	7,704-	19-
1967	18,882	13,138	70	2,778	15	10,360-	55-
1968	28,653	12,161	42	195-	1-	12,356-	43-
1969	65,095	14,890	23	1,630-	3-	16,520-	25-
1970	106,973	21,558	20	1,376	1	20,182-	19-
1971	5,981	21,336	357	13,039-	218-	34,375-	575-
1972	37,836	33,386	88	7,837	21	25,549-	68-
1973	69,715	13,447	19	14,878	21	1,431	2
1974	44,770	10,676	24	24,418	55	13,742	31
1975	62,981	8,902	14	15,106	24	6,204	10
1976	61,895	8,381	14	21	0	8,360-	14-
1977	86,290	15,415	18	5,003	6	10,412-	12-
1978	111,654	15,521	14	1,161-	1-	16,682-	15-
1979	91,976	21,674	24	31,233	34	9,559	10
1980	98,367	57,929	59	6,416-	7-	64,345-	65-
1981	88,756	27,473	31	26,689	30	784-	1-
1982	98,887	46,972	48	13,066	13	33,906-	34-
1983	104,047	47,371	46	518-	0	47,889-	46-
1984	228,009	65,585	29	14,385-	6-	79,970-	35-
1985	179,344	56,372	31	4,791-	3-	61,163-	34-
1986	132,646	72,116	54	10,858	8	61,258-	46-
1987	119,155	79,422	67	2,780	2	76,642-	64-
1988	160,832	190,865	119	18,240	11	172,625-	107-
1989	161,797	80,587	50	77,451-	48-	158,038-	98-
1990	231,837	71,705	31	14,097	6	57,608-	25-
1991	146,534	90,544	62	32,784-	22-	123,328-	84-
1992	176,085	74,423	42	5,984	3	68,439-	39-
1993	144,161	138,809	96	1,412	1	137,397-	95-
1994	151,730	114,728	76	9,850-	6-	124,578-	82-
1995	112,973	206,180	183	33,562-	30-	239,742-	212-
1996	259,308	216,250	83	10,081-	4-	226,331-	87-
1997	146,760	244,456	167	14,273-	10-	258,729-	176-
1998	65,272	200,753	308	29,927-	46-	230,680-	353-
1999	85,886	249,883	291	2,266	3	247,617-	288-
2000	64,871	220,772	340	4,179-	6-	224,951-	347-
2001	739,787	244,872	33	5,179	1	239,693-	32-
2002	55,403	223,322	403	22,495-	41-	245,817-	444-
2003	87,068	251,641	289	14,042-	16-	265,684-	305-

AMEREN MISSOURI

ACCOUNT 369.2 UNDERGROUND SERVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	101,569	220,695	217	11,718-	12-	232,412-	229-
2005	90,034	166,645	185	15,317-	17-	181,963-	202-
2006	219,270	165,840	76	55,085-	25-	220,925-	101-
2007	132,090	130,241	99	21,978-	17-	152,219-	115-
2008	144,334	212,152	147	56,621-	39-	268,773-	186-
2009	154,908	247,573	160	2,793-	2-	250,366-	162-
2010	200,032	268,465	134	34,576	17	233,889-	117-
2011	145,936	245,718	168	68,408	47	177,310-	121-
2012	124,850	274,468	220	43,612-	35-	318,080-	255-
2013	118,501	232,447	196	41,685-	35-	274,132-	231-
2014	267,277	216,702	81	59,396	22	157,306-	59-
2015	182,135	240,253	132	83,894-	46-	324,148-	178-
2016	175,869	137,212	78	75,384-	43-	212,595-	121-
2017	121,778	84,317	69	55,291-	45-	139,607-	115-
2018	185,367	147,965	80	15,404-	8-	163,369-	88-
TOTAL	7,295,019	6,574,067	90	372,817-	5-	6,946,884-	95-

THREE-YEAR MOVING AVERAGES

61-63	49,671	20,073	40	8,451	17	11,622-	23-
62-64	54,438	12,485	23	391	1	12,093-	22-
63-65	57,907	13,482	23	630	1	12,852-	22-
64-66	49,947	13,213	26	1,930	4	11,283-	23-
65-67	36,690	13,577	37	2,845	8	10,732-	29-
66-68	29,369	12,656	43	2,516	9	10,140-	35-
67-69	37,543	13,396	36	318	1	13,079-	35-
68-70	66,907	16,203	24	150-	0	16,353-	24-
69-71	59,350	19,261	32	4,431-	7-	23,692-	40-
70-72	50,263	25,427	51	1,275-	3-	26,702-	53-
71-73	37,844	22,723	60	3,225	9	19,498-	52-
72-74	50,774	19,170	38	15,711	31	3,459-	7-
73-75	59,155	11,008	19	18,134	31	7,126	12
74-76	56,549	9,320	16	13,182	23	3,862	7
75-77	70,389	10,899	15	6,710	10	4,189-	6-
76-78	86,613	13,106	15	1,288	1	11,818-	14-
77-79	96,640	17,537	18	11,692	12	5,845-	6-
78-80	100,666	31,708	31	7,885	8	23,823-	24-
79-81	93,033	35,692	38	17,169	18	18,523-	20-
80-82	95,337	44,125	46	11,113	12	33,012-	35-
81-83	97,230	40,605	42	13,079	13	27,526-	28-
82-84	143,648	53,309	37	612-	0	53,922-	38-
83-85	170,467	56,443	33	6,565-	4-	63,007-	37-

AMEREN MISSOURI

ACCOUNT 369.2 UNDERGROUND SERVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	180,000	64,691	36	2,773-	2-	67,464-	37-
85-87	143,715	69,303	48	2,949	2	66,354-	46-
86-88	137,544	114,134	83	10,626	8	103,508-	75-
87-89	147,261	116,958	79	18,810-	13-	135,768-	92-
88-90	184,822	114,386	62	15,038-	8-	129,424-	70-
89-91	180,056	80,945	45	32,046-	18-	112,991-	63-
90-92	184,819	78,891	43	4,234-	2-	83,125-	45-
91-93	155,593	101,259	65	8,463-	5-	109,721-	71-
92-94	157,325	109,320	69	818-	1-	110,138-	70-
93-95	136,288	153,239	112	14,000-	10-	167,239-	123-
94-96	174,670	179,053	103	17,831-	10-	196,884-	113-
95-97	173,014	222,295	128	19,305-	11-	241,601-	140-
96-98	157,113	220,486	140	18,094-	12-	238,580-	152-
97-99	99,306	231,697	233	13,978-	14-	245,675-	247-
98-00	72,010	223,803	311	10,613-	15-	234,416-	326-
99-01	296,848	238,509	80	1,089	0	237,420-	80-
00-02	286,687	229,655	80	7,165-	2-	236,820-	83-
01-03	294,086	239,945	82	10,453-	4-	250,398-	85-
02-04	81,347	231,886	285	16,085-	20-	247,971-	305-
03-05	92,890	212,994	229	13,692-	15-	226,686-	244-
04-06	136,958	184,393	135	27,373-	20-	211,767-	155-
05-07	147,132	154,242	105	30,794-	21-	185,036-	126-
06-08	165,231	169,411	103	44,561-	27-	213,973-	129-
07-09	143,778	196,655	137	27,131-	19-	223,786-	156-
08-10	166,425	242,730	146	8,279-	5-	251,009-	151-
09-11	166,959	253,919	152	33,397	20	220,521-	132-
10-12	156,939	262,884	168	19,791	13	243,093-	155-
11-13	129,762	250,878	193	5,630-	4-	256,507-	198-
12-14	170,209	241,205	142	8,634-	5-	249,839-	147-
13-15	189,304	229,801	121	22,061-	12-	251,862-	133-
14-16	208,427	198,056	95	33,294-	16-	231,350-	111-
15-17	159,927	153,927	96	71,523-	45-	225,450-	141-
16-18	161,004	123,165	76	48,693-	30-	171,857-	107-
FIVE-YEAR AVERAGE							
14-18	186,485	165,290	89	34,115-	18-	199,405-	107-

AMEREN MISSOURI

ACCOUNT 370 METERS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	405,043	30,645	8	56,176	14	25,531	6
1962	303,669	27,207	9	14,281	5	12,926-	4-
1963	261,716	29,115	11	34,902	13	5,787	2
1964	205,143	30,270	15	13,573	7	16,697-	8-
1965	201,288	32,408	16	18,016	9	14,392-	7-
1966	243,890	35,909	15	22,386	9	13,523-	6-
1967	230,804	19,822	9	10,825	5	8,997-	4-
1968	251,003	5,953	2	7,421	3	1,468	1
1969	302,875	5,894	2	22,510	7	16,616	5
1970	223,372	4,789	2	4,426	2	363-	0
1971	294,347	4,633	2	6,679	2	2,046	1
1972	325,632	4,790	1	9,545	3	4,755	1
1973	355,507	6,582	2	21,436	6	14,854	4
1974	471,246	5,554	1	14,506	3	8,952	2
1975	971,070	27,279	3	6,651	1	20,628-	2-
1976	371,145	2,479	1	1,364	0	1,115-	0
1977	413,345	3,100	1	1,772	0	1,328-	0
1978	651,735	3,546	1	4,728	1	1,182	0
1979	639,405	2,156	0	14,404	2	12,248	2
1980	588,221	2,425	0	11,645	2	9,220	2
1981	428,114	2,042	0	15,584	4	13,542	3
1982	412,334	2,298	1	928	0	1,370-	0
1983	619,948	653	0	930-	0	1,583-	0
1984	78,520-	7,638	10-	223	0	7,415-	9
1985	8,205	9,928	121	23,947	292	14,019	171
1986	122,600-	11,957	10-	3,263	3-	8,694-	7
1987	110,171-	7,494	7-	12,381	11-	4,887	4-
1988	24,971-	7,764	31-	24,279	97-	16,515	66-
1989	199,998	23,859	12	24,436	12	577	0
1990	749,939	7,754	1	8,713	1	959	0
1991	1,095,487	7,736	1	36,871-	3-	44,607-	4-
1992	796,127	4,199	1	12,065	2	7,866	1
1993	1,006,179	3,120	0	20,123	2	17,003	2
1994	532,120	8,103	2	28,367	5	20,264	4
1995	1,040,347	6,903	1	14,987	1	8,084	1
1996	1,633,144		0	18,827	1	18,827	1
1997	6,295,427		0	32,555	1	32,555	1
1998	10,635,207		0	3,648,668	34	3,648,668	34
1999	15,464,588		0	1,321,419	9	1,321,419	9
2000	4,363,686		0	310,751	7	310,751	7
2001	5,509,768		0	218,725	4	218,725	4
2002	6,029,175		0	67,059	1	67,059	1
2003	2,780,717		0	25,339	1	25,339	1

AMEREN MISSOURI

ACCOUNT 370 METERS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	146,150		0	1,227	1	1,227	1
2005	3,843,960		0	182	0	182	0
2006	1,703,822		0	394	0	394	0
2007	3,292,148		0	570	0	570	0
2008	2,065,484		0	8,372	0	8,372	0
2009	1,976,171		0	5,876	0	5,876	0
2010	3,087,204		0	6,751	0	6,751	0
2011	4,254,955	103,767-	2-	17,759	0	121,526	3
2012	4,082,425	17,559-	0	36,893	1	54,452	1
2013	3,234,868	123,392	4	15,894	0	107,498-	3-
2014	3,129,008	148,259	5	14,838	0	133,421-	4-
2015	2,704,459	104,350	4	18,845	1	85,505-	3-
2016	2,194,789	137,067	6	11,649	1	125,418-	6-
2017	873,448	172,350	20	9,445	1	162,904-	19-
2018	2,623,899	219,966	8	9,060	0	210,906-	8-
TOTAL	106,187,495	1,180,061	1	6,249,839	6	5,069,778	5

THREE-YEAR MOVING AVERAGES

61-63	323,476	28,989	9	35,120	11	6,131	2
62-64	256,843	28,864	11	20,919	8	7,945-	3-
63-65	222,716	30,598	14	22,164	10	8,434-	4-
64-66	216,774	32,862	15	17,992	8	14,871-	7-
65-67	225,327	29,380	13	17,076	8	12,304-	5-
66-68	241,899	20,561	8	13,544	6	7,017-	3-
67-69	261,561	10,556	4	13,585	5	3,029	1
68-70	259,083	5,545	2	11,452	4	5,907	2
69-71	273,531	5,105	2	11,205	4	6,100	2
70-72	281,117	4,737	2	6,883	2	2,146	1
71-73	325,162	5,335	2	12,553	4	7,218	2
72-74	384,128	5,642	1	15,162	4	9,520	2
73-75	599,274	13,138	2	14,198	2	1,059	0
74-76	604,487	11,771	2	7,507	1	4,264-	1-
75-77	585,187	10,953	2	3,262	1	7,690-	1-
76-78	478,742	3,042	1	2,621	1	420-	0
77-79	568,162	2,934	1	6,968	1	4,034	1
78-80	626,454	2,709	0	10,259	2	7,550	1
79-81	551,913	2,208	0	13,878	3	11,670	2
80-82	476,223	2,255	0	9,386	2	7,131	1
81-83	486,799	1,664	0	5,194	1	3,530	1
82-84	317,921	3,530	1	74	0	3,456-	1-
83-85	183,211	6,073	3	7,747	4	1,674	1

AMEREN MISSOURI

ACCOUNT 370 METERS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	64,305-	9,841	15-	9,144	14-	697-	1
85-87	74,855-	9,793	13-	13,197	18-	3,404	5-
86-88	85,914-	9,072	11-	13,308	15-	4,236	5-
87-89	21,619	13,039	60	20,365	94	7,326	34
88-90	308,322	13,126	4	19,143	6	6,017	2
89-91	681,808	13,116	2	1,241-	0	14,357-	2-
90-92	880,518	6,563	1	5,364-	1-	11,927-	1-
91-93	965,931	5,018	1	1,561-	0	6,579-	1-
92-94	778,142	5,141	1	20,185	3	15,044	2
93-95	859,549	6,042	1	21,159	2	15,117	2
94-96	1,068,537	5,002	0	20,727	2	15,725	1
95-97	2,989,639	2,301	0	22,123	1	19,822	1
96-98	6,187,926		0	1,233,350	20	1,233,350	20
97-99	10,798,407		0	1,667,547	15	1,667,547	15
98-00	10,154,494		0	1,760,279	17	1,760,279	17
99-01	8,446,014		0	616,965	7	616,965	7
00-02	5,300,876		0	198,845	4	198,845	4
01-03	4,773,220		0	103,708	2	103,708	2
02-04	2,985,347		0	31,208	1	31,208	1
03-05	2,256,942		0	8,916	0	8,916	0
04-06	1,897,977		0	601	0	601	0
05-07	2,946,643		0	382	0	382	0
06-08	2,353,818		0	3,112	0	3,112	0
07-09	2,444,601		0	4,939	0	4,939	0
08-10	2,376,286		0	7,000	0	7,000	0
09-11	3,106,110	34,589-	1-	10,129	0	44,718	1
10-12	3,808,195	40,442-	1-	20,468	1	60,910	2
11-13	3,857,416	688	0	23,515	1	22,827	1
12-14	3,482,100	84,697	2	22,541	1	62,156-	2-
13-15	3,022,778	125,334	4	16,526	1	108,808-	4-
14-16	2,676,085	129,892	5	15,111	1	114,781-	4-
15-17	1,924,232	137,922	7	13,313	1	124,609-	6-
16-18	1,897,379	176,461	9	10,051	1	166,410-	9-
FIVE-YEAR AVERAGE							
14-18	2,305,121	156,398	7	12,767	1	143,631-	6-

AMEREN MISSOURI

ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	17,701	2,516	14		0	2,516-	14-
1962	60,936	2,131	3	643	1	1,488-	2-
1963	18,289	315	2		0	315-	2-
1964	104	582	560		0	582-	560-
1965	4,167	776	19		0	776-	19-
1966	11,215	929	8		0	929-	8-
1967	111,680	4,717	4		0	4,717-	4-
1968	11,376	303	3	1,282	11	979	9
1969	1,156	116	10		0	116-	10-
1970	14,524	1,411	10		0	1,411-	10-
1971	1,853	1,198	65		0	1,198-	65-
1972	28,240	1,572	6		0	1,572-	6-
1973	26,604	727	3		0	727-	3-
1974	22,680	2,028	9		0	2,028-	9-
1975	204	189	93		0	189-	93-
1976	1,407	480	34		0	480-	34-
1977	12,739	900	7		0	900-	7-
1978	12,233	3,797	31		0	3,797-	31-
1979	13,473	1,928	14		0	1,928-	14-
1980	880,732	1,273	0		0	1,273-	0
1981	5,870		0		0		0
1982	4,791	2,991	62		0	2,991-	62-
1983	8	668			0	668-	
1984	22,814	746-	3-		0	746	3
1985	648		0		0		0
1986	1,308	209	16		0	209-	16-
1987	5	630			0	630-	
1988							
1989	4,799		0	18	0	18	0
1990							
1991	15,374		0		0		0
1992							
1993	237,446		0		0		0
1994	20,929		0		0		0
1995	4,956		0		0		0
1996	17,606		0		0		0
1997							
1998				1,544		1,544	
1999	96,276		0		0		0
2000							
2001							
2002							
2003							

AMEREN MISSOURI

ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004							
2005							
2006							
2007	243		0		0		0
2008							
2009							
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
2018							
TOTAL	1,684,386	31,640	2	3,487	0	28,153-	2-

THREE-YEAR MOVING AVERAGES

61-63	32,309	1,654	5	214	1	1,440-	4-
62-64	26,443	1,009	4	214	1	795-	3-
63-65	7,520	558	7		0	558-	7-
64-66	5,162	762	15		0	762-	15-
65-67	42,354	2,141	5		0	2,141-	5-
66-68	44,757	1,983	4	427	1	1,556-	3-
67-69	41,404	1,712	4	427	1	1,285-	3-
68-70	9,019	610	7	427	5	183-	2-
69-71	5,844	908	16		0	908-	16-
70-72	14,872	1,394	9		0	1,394-	9-
71-73	18,899	1,166	6		0	1,166-	6-
72-74	25,841	1,442	6		0	1,442-	6-
73-75	16,496	981	6		0	981-	6-
74-76	8,097	899	11		0	899-	11-
75-77	4,783	523	11		0	523-	11-
76-78	8,793	1,726	20		0	1,726-	20-
77-79	12,815	2,208	17		0	2,208-	17-
78-80	302,146	2,333	1		0	2,333-	1-
79-81	300,025	1,067	0		0	1,067-	0
80-82	297,131	1,421	0		0	1,421-	0
81-83	3,556	1,220	34		0	1,220-	34-
82-84	9,204	971	11		0	971-	11-
83-85	7,823	26-	0		0	26	0

AMEREN MISSOURI

ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	8,257	179-	2-		0	179	2
85-87	654	280	43		0	280-	43-
86-88	438	280	64		0	280-	64-
87-89	1,601	210	13	6	0	204-	13-
88-90	1,600		0	6	0	6	0
89-91	6,724		0	6	0	6	0
90-92	5,125		0		0		0
91-93	84,273		0		0		0
92-94	86,125		0		0		0
93-95	87,777		0		0		0
94-96	14,497		0		0		0
95-97	7,521		0		0		0
96-98	5,869		0	515	9	515	9
97-99	32,092		0	515	2	515	2
98-00	32,092		0	515	2	515	2
99-01	32,092		0		0		0
00-02							
01-03							
02-04							
03-05							
04-06							
05-07	81		0		0		0
06-08	81		0		0		0
07-09	81		0		0		0
08-10							
09-11							
10-12							
11-13							
12-14							
13-15							
14-16							
15-17							
16-18							
FIVE-YEAR AVERAGE							
14-18							

AMEREN MISSOURI

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	122,859	40,919	33	49,131	40	8,212	7
1962	124,379	53,498	43	57,656	46	4,158	3
1963	168,045	55,490	33	87,582	52	32,092	19
1964	182,698	72,109	39	70,797	39	1,312-	1-
1965	171,437	66,368	39	69,163	40	2,795	2
1966	441,787	111,052	25	57,745	13	53,307-	12-
1967	783,308	116,017	15	41,504	5	74,513-	10-
1968	547,700	94,218	17	42,728	8	51,490-	9-
1969	657,393	91,845	14	52,699	8	39,146-	6-
1970	661,901	107,702	16	25,313	4	82,389-	12-
1971	530,715	111,734	21	35,716	7	76,018-	14-
1972	668,900	178,862	27	37,090	6	141,772-	21-
1973	999,490	264,236	26	82,978	8	181,258-	18-
1974	655,213	248,388	38	90,168	14	158,220-	24-
1975	522,891	181,583	35	93,079	18	88,504-	17-
1976	757,315	241,039	32	162,304	21	78,735-	10-
1977	691,902	194,303	28	141,456	20	52,847-	8-
1978	690,057	245,209	36	126,149	18	119,060-	17-
1979	730,671	392,609	54	104,001	14	288,608-	39-
1980	660,852	420,487	64	60,440	9	360,047-	54-
1981	747,901	533,969	71	93,148	12	440,821-	59-
1982	987,981	550,462	56	90,574	9	459,888-	47-
1983	627,741	557,083	89	66,821	11	490,262-	78-
1984	607,615	560,946	92	39,148	6	521,798-	86-
1985	674,456	580,650	86	106,461	16	474,189-	70-
1986	741,847	590,834	80	381,945	51	208,889-	28-
1987	544,843	485,256	89	169,940	31	315,316-	58-
1988	507,642	505,963	100	164,026	32	341,937-	67-
1989	623,076	641,584	103	38,775	6	602,809-	97-
1990	706,825	714,775	101	214,715	30	500,060-	71-
1991	729,819	799,803	110	118,918	16	680,885-	93-
1992	809,733	682,311	84	149,274	18	533,037-	66-
1993	893,760	852,246	95	99,180	11	753,066-	84-
1994	889,270	781,718	88	165,224	19	616,494-	69-
1995	513,342	603,277	118	153,255	30	450,022-	88-
1996	1,075,279	396,918	37	147,657	14	249,261-	23-
1997	654,698	408,575	62	173,816	27	234,759-	36-
1998	644,601	472,406	73	111,513	17	360,893-	56-
1999	672,946	409,559	61	57,010	8	352,549-	52-
2000	596,506	370,321	62	14,825	2	355,496-	60-
2001	693,584	372,282	54	23,745-	3-	396,027-	57-
2002	676,025	431,113	64	15,694-	2-	446,808-	66-
2003	567,726	399,708	70	12,662	2	387,046-	68-

AMEREN MISSOURI

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	522,493	333,169	64	4,022	1	329,146-	63-
2005	646,085	215,688	33	18,598-	3-	234,286-	36-
2006	905,057	280,472	31	19,532	2	260,940-	29-
2007	1,286,409	495,523	39	40,608	3	454,915-	35-
2008	889,284	361,428	41	9,145	1	352,282-	40-
2009	1,110,835	342,914	31	23,473	2	319,442-	29-
2010	1,295,648	410,500	32	11,288	1	399,211-	31-
2011	1,029,994	239,680	23	7,997-	1-	247,677-	24-
2012	873,124	264,212	30	51,102	6	213,109-	24-
2013	868,578	313,360	36	18,795	2	294,565-	34-
2014	1,042,883	352,076	34	19,375	2	332,702-	32-
2015	1,005,010	538,621	54	19,782	2	518,839-	52-
2016	1,413,207	550,195	39	25,155	2	525,040-	37-
2017	1,546,555	460,339	30	30,117	2	430,222-	28-
2018	4,514,002	412,605	9	24,330	1	388,275-	9-
TOTAL	45,905,890	21,560,210	47	4,287,277	9	17,272,933-	38-

THREE-YEAR MOVING AVERAGES

61-63	138,428	49,969	36	64,790	47	14,821	11
62-64	158,374	60,366	38	72,012	45	11,646	7
63-65	174,060	64,656	37	75,847	44	11,192	6
64-66	265,307	83,176	31	65,902	25	17,275-	7-
65-67	465,511	97,812	21	56,137	12	41,675-	9-
66-68	590,932	107,096	18	47,326	8	59,770-	10-
67-69	662,800	100,693	15	45,644	7	55,050-	8-
68-70	622,331	97,922	16	40,247	6	57,675-	9-
69-71	616,670	103,760	17	37,909	6	65,851-	11-
70-72	620,505	132,766	21	32,706	5	100,060-	16-
71-73	733,035	184,944	25	51,928	7	133,016-	18-
72-74	774,534	230,495	30	70,079	9	160,417-	21-
73-75	725,865	231,402	32	88,742	12	142,661-	20-
74-76	645,140	223,670	35	115,184	18	108,486-	17-
75-77	657,369	205,642	31	132,280	20	73,362-	11-
76-78	713,091	226,850	32	143,303	20	83,547-	12-
77-79	704,210	277,374	39	123,869	18	153,505-	22-
78-80	693,860	352,768	51	96,863	14	255,905-	37-
79-81	713,141	449,022	63	85,863	12	363,159-	51-
80-82	798,911	501,639	63	81,387	10	420,252-	53-
81-83	787,874	547,171	69	83,514	11	463,657-	59-
82-84	741,112	556,164	75	65,514	9	490,649-	66-
83-85	636,604	566,226	89	70,810	11	495,416-	78-

AMEREN MISSOURI

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	674,639	577,477	86	175,851	26	401,625-	60-
85-87	653,715	552,247	84	219,449	34	332,798-	51-
86-88	598,111	527,351	88	238,637	40	288,714-	48-
87-89	558,520	544,268	97	124,247	22	420,021-	75-
88-90	612,514	620,774	101	139,172	23	481,602-	79-
89-91	686,573	718,721	105	124,136	18	594,585-	87-
90-92	748,792	732,296	98	160,969	21	571,327-	76-
91-93	811,104	778,120	96	122,457	15	655,663-	81-
92-94	864,254	772,092	89	137,893	16	634,199-	73-
93-95	765,457	745,747	97	139,220	18	606,527-	79-
94-96	825,964	593,971	72	155,379	19	438,592-	53-
95-97	747,773	469,590	63	158,243	21	311,347-	42-
96-98	791,526	425,966	54	144,329	18	281,638-	36-
97-99	657,415	430,180	65	114,113	17	316,067-	48-
98-00	638,018	417,429	65	61,116	10	356,313-	56-
99-01	654,345	384,054	59	16,030	2	368,024-	56-
00-02	655,371	391,239	60	8,205-	1-	399,444-	61-
01-03	645,778	401,034	62	8,926-	1-	409,960-	63-
02-04	588,748	387,997	66	330	0	387,667-	66-
03-05	578,768	316,188	55	638-	0	316,826-	55-
04-06	691,211	276,443	40	1,652	0	274,791-	40-
05-07	945,850	330,561	35	13,847	1	316,714-	33-
06-08	1,026,917	379,141	37	23,095	2	356,046-	35-
07-09	1,095,509	399,955	37	24,409	2	375,546-	34-
08-10	1,098,589	371,614	34	14,636	1	356,978-	32-
09-11	1,145,492	331,031	29	8,921	1	322,110-	28-
10-12	1,066,255	304,797	29	18,131	2	286,666-	27-
11-13	923,898	272,417	29	20,633	2	251,784-	27-
12-14	928,195	309,883	33	29,757	3	280,125-	30-
13-15	972,157	401,353	41	19,317	2	382,035-	39-
14-16	1,153,700	480,298	42	21,437	2	458,860-	40-
15-17	1,321,590	516,385	39	25,018	2	491,367-	37-
16-18	2,491,254	474,380	19	26,534	1	447,846-	18-
FIVE-YEAR AVERAGE							
14-18	1,904,331	462,767	24	23,752	1	439,016-	23-

AMEREN MISSOURI

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	9,492	754	8	438	5	316-	3-
1962	42,328	8,077	19	42,100	99	34,023	80
1963	113,931	8,857	8	3,804	3	5,053-	4-
1964	97,716	23,377	24	1,045	1	22,332-	23-
1965	631,039	45,437	7	65,467	10	20,030	3
1966	2,796,183	19,000	1	1,411	0	17,589-	1-
1967	93,485	10,107	11	735	1	9,372-	10-
1968	41,540	4,907	12	415	1	4,492-	11-
1969	17,894	1,005	6	463	3	542-	3-
1970	62,827	4,389	7	10,273-	16-	14,662-	23-
1971	21,241	2,967	14	1,600	8	1,367-	6-
1972	73,821	8,974	12		0	8,974-	12-
1973	16,176		0		0		0
1974	276,660	1,838	1	41,922	15	40,084	14
1975	23,324	371	2	12,940	55	12,569	54
1976	59,493	90	0	13,662	23	13,572	23
1977	48,628	16,655	34	240	0	16,415-	34-
1978	55,409	3,058	6	509,500	920	506,442	914
1979	323,081	86,139	27	142,518-	44-	228,657-	71-
1980	49,297	2,624	5	50	0	2,574-	5-
1981	71,094	20,098	28	8,419	12	11,679-	16-
1982	232,218	20,851	9	13,385	6	7,466-	3-
1983	136,148	67,358	49	5,015	4	62,343-	46-
1984	407,316	51,031	13	645	0	50,386-	12-
1985	205,880	10,898	5	17,762	9	6,864	3
1986	179,686	9,118	5	6,685	4	2,433-	1-
1987	1,281,264	238,182	19		0	238,182-	19-
1988	254,006	650,156	256	166,699	66	483,457-	190-
1989	2,775,826	143,756	5		0	143,756-	5-
1990	1,047,446	1,495,642	143	226,261	22	1,269,381-	121-
1991	3,538,288	567,501	16	164,913	5	402,588-	11-
1992	532,098	338,359	64	379,688	71	41,329	8
1993	664,260	147,770	22	80,183	12	67,587-	10-
1994	687,881	156,927	23	135,525	20	21,402-	3-
1995	727,020	161,953	22	328,629	45	166,676	23
1996	334,026	139,940	42	107,587	32	32,353-	10-
1997	141,902	521,174	367	37,781	27	483,393-	341-
1998	1,085,862	78,100	7	267,895	25	189,795	17
1999	2,586,008	148,306	6	86,530	3	61,776-	2-
2000	301,836	17,936	6		0	17,936-	6-
2001	178,109	5,100	3		0	5,100-	3-
2002	1,238,345	23,899	2	50,521	4	26,622	2
2003	619,744	121,378	20	45,050	7	76,328-	12-

AMEREN MISSOURI

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	1,087,076	232,452	21	200-	0	232,652-	21-
2005	792,830	149,507	19		0	149,507-	19-
2006	882,836	258,585	29	23,479	3	235,106-	27-
2007	1,121,171	172,221	15		0	172,221-	15-
2008	1,177,565	258,219	22	101-	0	258,320-	22-
2009	897,940	571,616	64	6,689	1	564,927-	63-
2010	951,579	1,494,298	157		0	1,494,298-	157-
2011	1,829,422	720,141	39		0	720,141-	39-
2012	1,826,344	332,281	18		0	332,281-	18-
2013	1,354,603	768,331	57		0	768,331-	57-
2014	2,777,449	1,141,194	41		0	1,141,194-	41-
2015	1,678,942	369,076	22	13,760	1	355,316-	21-
2016	3,343,335	442,860	13		0	442,860-	13-
2017	866,656	1,617,803	187	326,947	38	1,290,856-	149-
2018	5,179,270	711,882	14		0	711,882-	14-
TOTAL	49,846,848	14,624,525	29	3,042,748	6	11,581,776-	23-

THREE-YEAR MOVING AVERAGES

61-63	55,250	5,896	11	15,447	28	9,551	17
62-64	84,658	13,437	16	15,650	18	2,213	3
63-65	280,895	25,890	9	23,439	8	2,452-	1-
64-66	1,174,979	29,271	2	22,641	2	6,630-	1-
65-67	1,173,569	24,848	2	22,538	2	2,310-	0
66-68	977,069	11,338	1	854	0	10,484-	1-
67-69	50,973	5,340	10	538	1	4,802-	9-
68-70	40,754	3,434	8	3,132-	8-	6,565-	16-
69-71	33,987	2,787	8	2,737-	8-	5,524-	16-
70-72	52,630	5,443	10	2,891-	5-	8,334-	16-
71-73	37,079	3,980	11	533	1	3,447-	9-
72-74	122,219	3,604	3	13,974	11	10,370	8
73-75	105,387	736	1	18,287	17	17,551	17
74-76	119,826	766	1	22,841	19	22,075	18
75-77	43,815	5,705	13	8,947	20	3,242	7
76-78	54,510	6,601	12	174,467	320	167,866	308
77-79	142,373	35,284	25	122,407	86	87,123	61
78-80	142,596	30,607	21	122,344	86	91,737	64
79-81	147,824	36,287	25	44,683-	30-	80,970-	55-
80-82	117,536	14,524	12	7,285	6	7,240-	6-
81-83	146,487	36,102	25	8,940	6	27,163-	19-
82-84	258,561	46,413	18	6,348	2	40,065-	15-
83-85	249,781	43,096	17	7,807	3	35,288-	14-

AMEREN MISSOURI

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	264,294	23,682	9	8,364	3	15,318-	6-
85-87	555,610	86,066	15	8,149	1	77,917-	14-
86-88	571,652	299,152	52	57,795	10	241,357-	42-
87-89	1,437,032	344,031	24	55,566	4	288,465-	20-
88-90	1,359,093	763,185	56	130,987	10	632,198-	47-
89-91	2,453,853	735,633	30	130,391	5	605,242-	25-
90-92	1,705,944	800,501	47	256,954	15	543,547-	32-
91-93	1,578,215	351,210	22	208,261	13	142,949-	9-
92-94	628,080	214,352	34	198,465	32	15,887-	3-
93-95	693,054	155,550	22	181,446	26	25,896	4
94-96	582,976	152,940	26	190,580	33	37,640	6
95-97	400,983	274,356	68	157,999	39	116,357-	29-
96-98	520,597	246,405	47	137,754	26	108,650-	21-
97-99	1,271,257	249,193	20	130,735	10	118,458-	9-
98-00	1,324,569	81,447	6	118,142	9	36,694	3
99-01	1,021,984	57,114	6	28,843	3	28,271-	3-
00-02	572,763	15,645	3	16,840	3	1,195	0
01-03	678,733	50,126	7	31,857	5	18,268-	3-
02-04	981,722	125,910	13	31,790	3	94,119-	10-
03-05	833,217	167,779	20	14,950	2	152,829-	18-
04-06	920,914	213,515	23	7,760	1	205,755-	22-
05-07	932,279	193,438	21	7,826	1	185,611-	20-
06-08	1,060,524	229,675	22	7,793	1	221,883-	21-
07-09	1,065,559	334,019	31	2,196	0	331,823-	31-
08-10	1,009,028	774,711	77	2,196	0	772,515-	77-
09-11	1,226,314	928,685	76	2,230	0	926,455-	76-
10-12	1,535,782	848,907	55		0	848,907-	55-
11-13	1,670,123	606,918	36		0	606,918-	36-
12-14	1,986,132	747,269	38		0	747,269-	38-
13-15	1,936,998	759,533	39	4,587	0	754,947-	39-
14-16	2,599,909	651,043	25	4,587	0	646,457-	25-
15-17	1,962,978	809,913	41	113,569	6	696,344-	35-
16-18	3,129,754	924,182	30	108,982	3	815,199-	26-
FIVE-YEAR AVERAGE							
14-18	2,769,130	856,563	31	68,141	2	788,422-	28-

AMEREN MISSOURI

ACCOUNT 392 TRANSPORTATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	243,632	452	0	45,377	19	44,925	18
1962	283,232	823	0	36,755	13	35,932	13
1963	375,413	447	0	66,259	18	65,812	18
1964	403,951	310	0	59,318	15	59,008	15
1965	297,826	300	0	37,414	13	37,114	12
1966	736,449	441	0	90,931	12	90,490	12
1967	619,139	384	0	57,405	9	57,021	9
1968	338,337	178	0	50,675	15	50,497	15
1969	817,246	143	0	63,209	8	63,066	8
1970	574,265	47	0	53,073	9	53,026	9
1971	539,143		0	52,511	10	52,511	10
1972	503,572		0	57,491	11	57,491	11
1973	597,042		0	62,403	10	62,403	10
1974	595,091		0	55,229	9	55,229	9
1975	422,313		0	48,364	11	48,364	11
1976	508,211		0	78,218	15	78,218	15
1977	560,913		0	65,906	12	65,906	12
1978	646,081		0	94,600	15	94,600	15
1979	1,259,320		0	142,935	11	142,935	11
1980	563,852		0	68,698	12	68,698	12
1981	390,832		0	45,720	12	45,720	12
1982	1,366,135		0	137,347	10	137,347	10
1983	495,406		0	47,856	10	47,856	10
1984	481,913		0	82,569	17	82,569	17
1985	1,155,954		0	68,565	6	68,565	6
1986	2,326,625		0	323,561	14	323,561	14
1987	1,956,957		0	209,748	11	209,748	11
1988	2,770,830		0	319,462	12	319,462	12
1989	1,854,188		0	113,574	6	113,574	6
1990	3,804,231		0	212,352	6	212,352	6
1991	2,679,660		0	303,964	11	303,964	11
1992	2,514,862		0	242,419	10	242,419	10
1993	3,132,261		0	295,941	9	295,941	9
1994	3,636,485		0	394,556	11	394,556	11
1995	6,352,086		0	436,330	7	436,330	7
1996	3,216,426		0	537,493	17	537,493	17
1997	366,648		0	41,122-	11-	41,122-	11-
1998	4,613,294		0	653,398	14	653,398	14
1999	2,825,852		0	119,725	4	119,725	4
2000	824,497		0	133,372	16	133,372	16
2001	1,663,631		0	390,959	24	390,959	24
2002	7,392,869		0	33,100	0	33,100	0
2003	5,299,114		0	799,875	15	799,875	15

AMEREN MISSOURI

ACCOUNT 392 TRANSPORTATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	9,073,251		0	293,829	3	293,829	3
2005	2,465,107		0	277,393	11	277,393	11
2006	8,057,006		0	555,165	7	555,165	7
2007	6,023,768		0	477,470	8	477,470	8
2008	3,746,939		0	412,368	11	412,368	11
2009	10,090,807		0	651,323	6	651,323	6
2010	7,750,150		0	721,148	9	721,148	9
2011	7,517,176	2,920	0	862,345	11	859,425	11
2012	11,939,684		0	1,333,784	11	1,333,784	11
2013	7,909,466		0	1,250,399	16	1,250,399	16
2014	5,755,307		0	1,059,118	18	1,059,118	18
2015	16,077,479		0	3,036,039	19	3,036,039	19
2016	5,859,894		0	976,738	17	976,738	17
2017	5,667,350		0	1,141,610	20	1,141,610	20
2018	6,659,018		0	1,031,560	15	1,031,560	15
TOTAL	186,598,188	6,445	0	21,227,825	11	21,221,380	11

THREE-YEAR MOVING AVERAGES

61-63	300,759	574	0	49,464	16	48,890	16
62-64	354,199	527	0	54,111	15	53,584	15
63-65	359,063	352	0	54,330	15	53,978	15
64-66	479,409	350	0	62,554	13	62,204	13
65-67	551,138	375	0	61,917	11	61,542	11
66-68	564,642	334	0	66,337	12	66,003	12
67-69	591,574	235	0	57,096	10	56,861	10
68-70	576,616	123	0	55,652	10	55,530	10
69-71	643,551	63	0	56,264	9	56,201	9
70-72	538,993	16	0	54,358	10	54,343	10
71-73	546,586		0	57,468	11	57,468	11
72-74	565,235		0	58,374	10	58,374	10
73-75	538,149		0	55,332	10	55,332	10
74-76	508,538		0	60,604	12	60,604	12
75-77	497,146		0	64,163	13	64,163	13
76-78	571,735		0	79,575	14	79,575	14
77-79	822,105		0	101,147	12	101,147	12
78-80	823,084		0	102,078	12	102,078	12
79-81	738,001		0	85,784	12	85,784	12
80-82	773,606		0	83,922	11	83,922	11
81-83	750,791		0	76,974	10	76,974	10
82-84	781,151		0	89,257	11	89,257	11
83-85	711,091		0	66,330	9	66,330	9

AMEREN MISSOURI

ACCOUNT 392 TRANSPORTATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	1,321,497		0	158,232	12	158,232	12
85-87	1,813,179		0	200,625	11	200,625	11
86-88	2,351,471		0	284,257	12	284,257	12
87-89	2,193,992		0	214,261	10	214,261	10
88-90	2,809,750		0	215,129	8	215,129	8
89-91	2,779,360		0	209,963	8	209,963	8
90-92	2,999,584		0	252,912	8	252,912	8
91-93	2,775,594		0	280,775	10	280,775	10
92-94	3,094,536		0	310,972	10	310,972	10
93-95	4,373,611		0	375,609	9	375,609	9
94-96	4,401,666		0	456,126	10	456,126	10
95-97	3,311,720		0	310,900	9	310,900	9
96-98	2,732,123		0	383,256	14	383,256	14
97-99	2,601,931		0	244,000	9	244,000	9
98-00	2,754,548		0	302,165	11	302,165	11
99-01	1,771,327		0	214,685	12	214,685	12
00-02	3,293,666		0	185,810	6	185,810	6
01-03	4,785,205		0	407,978	9	407,978	9
02-04	7,255,078		0	375,601	5	375,601	5
03-05	5,612,491		0	457,032	8	457,032	8
04-06	6,531,788		0	375,462	6	375,462	6
05-07	5,515,294		0	436,676	8	436,676	8
06-08	5,942,571		0	481,668	8	481,668	8
07-09	6,620,505		0	513,720	8	513,720	8
08-10	7,195,965		0	594,946	8	594,946	8
09-11	8,452,711	973	0	744,939	9	743,965	9
10-12	9,069,003	973	0	972,426	11	971,452	11
11-13	9,122,109	973	0	1,148,843	13	1,147,869	13
12-14	8,534,819		0	1,214,434	14	1,214,434	14
13-15	9,914,084		0	1,781,852	18	1,781,852	18
14-16	9,230,894		0	1,690,632	18	1,690,632	18
15-17	9,201,575		0	1,718,129	19	1,718,129	19
16-18	6,062,088		0	1,049,970	17	1,049,970	17
FIVE-YEAR AVERAGE							
14-18	8,003,810		0	1,449,013	18	1,449,013	18

AMEREN MISSOURI

ACCOUNT 396 POWER OPERATED EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1961	10,347		0	2,150	21	2,150	21
1962	42,159		0	3,798	9	3,798	9
1963	45,160		0	2,567	6	2,567	6
1964	98,907	25	0	13,419	14	13,394	14
1965	74,991		0	10,676	14	10,676	14
1966	102,173		0	10,551	10	10,551	10
1967	55,682	17	0	8,993	16	8,976	16
1968	61,193		0	5,970	10	5,970	10
1969	98,273		0	4,822	5	4,822	5
1970	45,282		0	8,201	18	8,201	18
1971	80,583		0	19,989	25	19,989	25
1972	61,944		0	3,447	6	3,447	6
1973	84,328		0	5,312	6	5,312	6
1974	217,794		0	42,607	20	42,607	20
1975	31,623		0	5,832	18	5,832	18
1976	117,887		0	44,852	38	44,852	38
1977	139,362		0	33,636	24	33,636	24
1978	260,661		0	57,510	22	57,510	22
1979	171,955		0	47,105	27	47,105	27
1980	135,581		0	21,265	16	21,265	16
1981	198,891		0	51,050	26	51,050	26
1982	255,498		0	27,707	11	27,707	11
1983	115,207		0	12,920	11	12,920	11
1984	42,904		0	17,400	41	17,400	41
1985	144,588		0		0		0
1986	487,723		0	113,078	23	113,078	23
1987	514,638		0	80,175	16	80,175	16
1988	797,779		0	111,062	14	111,062	14
1989	910,739		0	38,864	4	38,864	4
1990	979,652		0	142,288	15	142,288	15
1991	942,211		0	208,521	22	208,521	22
1992	1,075,304		0	118,941	11	118,941	11
1993	482,363		0	85,617	18	85,617	18
1994	531,897		0	157,096	30	157,096	30
1995	593,464		0	27,820	5	27,820	5
1996	452,407		0	81,252	18	81,252	18
1997	13,395		0	2,398	18	2,398	18
1998	137,261		0	15,013	11	15,013	11
1999	1,344,060		0	775,118	58	775,118	58
2000	223,304		0	66,649	30	66,649	30
2001	457,112		0	59,314	13	59,314	13
2002	208,244		0		0		0
2003	804,374		0	156,429	19	156,429	19

AMEREN MISSOURI

ACCOUNT 396 POWER OPERATED EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2004	1,294,855		0	58,768	5	58,768	5
2005	260,687		0	105,596	41	105,596	41
2006	921,077		0	77,083	8	77,083	8
2007	628,472		0	36,589	6	36,589	6
2008	643,342		0	62,873	10	62,873	10
2009	640,974		0	38,071	6	38,071	6
2010	533,219		0	29,560	6	29,560	6
2011	369,341		0	103,734	28	103,734	28
2012	1,026,291		0	145,224	14	145,224	14
2013	1,138,250		0	170,446	15	170,446	15
2014	1,011,178		0	156,572	15	156,572	15
2015	853,705		0	100,347	12	100,347	12
2016	128,919		0	89,774	70	89,774	70
2017	1,005,098		0	129,828	13	129,828	13
2018	862,163		0	111,945	13	111,945	13
TOTAL	24,966,471	42	0	4,113,028	16	4,112,986	16

THREE-YEAR MOVING AVERAGES

61-63	32,555		0	2,838	9	2,838	9
62-64	62,075	8	0	6,595	11	6,586	11
63-65	73,019	8	0	8,887	12	8,879	12
64-66	92,024	8	0	11,549	13	11,540	13
65-67	77,615	6	0	10,073	13	10,068	13
66-68	73,016	6	0	8,505	12	8,499	12
67-69	71,716	6	0	6,595	9	6,589	9
68-70	68,249		0	6,331	9	6,331	9
69-71	74,713		0	11,004	15	11,004	15
70-72	62,603		0	10,546	17	10,546	17
71-73	75,618		0	9,583	13	9,583	13
72-74	121,355		0	17,122	14	17,122	14
73-75	111,248		0	17,917	16	17,917	16
74-76	122,435		0	31,097	25	31,097	25
75-77	96,291		0	28,107	29	28,107	29
76-78	172,637		0	45,333	26	45,333	26
77-79	190,659		0	46,084	24	46,084	24
78-80	189,399		0	41,960	22	41,960	22
79-81	168,809		0	39,807	24	39,807	24
80-82	196,657		0	33,341	17	33,341	17
81-83	189,865		0	30,559	16	30,559	16
82-84	137,870		0	19,342	14	19,342	14
83-85	100,900		0	10,107	10	10,107	10

AMEREN MISSOURI

ACCOUNT 396 POWER OPERATED EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
84-86	225,072		0	43,493	19	43,493	19
85-87	382,316		0	64,418	17	64,418	17
86-88	600,047		0	101,438	17	101,438	17
87-89	741,052		0	76,700	10	76,700	10
88-90	896,057		0	97,405	11	97,405	11
89-91	944,201		0	129,891	14	129,891	14
90-92	999,056		0	156,583	16	156,583	16
91-93	833,293		0	137,693	17	137,693	17
92-94	696,521		0	120,551	17	120,551	17
93-95	535,908		0	90,178	17	90,178	17
94-96	525,923		0	88,723	17	88,723	17
95-97	353,089		0	35,558	10	35,558	10
96-98	201,021		0	31,289	16	31,289	16
97-99	498,239		0	262,578	53	262,578	53
98-00	568,208		0	285,593	50	285,593	50
99-01	674,825		0	300,360	45	300,360	45
00-02	296,220		0	41,988	14	41,988	14
01-03	489,910		0	71,914	15	71,914	15
02-04	769,158		0	71,732	9	71,732	9
03-05	786,639		0	106,931	14	106,931	14
04-06	825,540		0	80,482	10	80,482	10
05-07	603,412		0	73,089	12	73,089	12
06-08	730,964		0	58,848	8	58,848	8
07-09	637,596		0	45,844	7	45,844	7
08-10	605,845		0	43,501	7	43,501	7
09-11	514,511		0	57,122	11	57,122	11
10-12	642,950		0	92,839	14	92,839	14
11-13	844,627		0	139,801	17	139,801	17
12-14	1,058,573		0	157,414	15	157,414	15
13-15	1,001,045		0	142,455	14	142,455	14
14-16	664,601		0	115,564	17	115,564	17
15-17	662,574		0	106,650	16	106,650	16
16-18	665,393		0	110,516	17	110,516	17
FIVE-YEAR AVERAGE							
14-18	772,213		0	117,693	15	117,693	15

**PART IX. DETAILED DEPRECIATION
CALCULATIONS**

AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
COMMON - ALL STEAM PLANTS						
INTERIM SURVIVOR CURVE.. IOWA 90-R1.5						
PROBABLE RETIREMENT YEAR.. 9-2042						
NET SALVAGE PERCENT.. -2						
2000	17,238.79	7,545	7,263	10,320	22.78	453
2001	1,923,733.24	815,651	785,186	1,177,022	22.80	51,624
2003	35,472.50	14,003	13,480	22,702	22.84	994
	1,976,444.53	837,199	805,929	1,210,044		53,071

MERAMEC

INTERIM SURVIVOR CURVE.. IOWA 90-R1.5
PROBABLE RETIREMENT YEAR.. 9-2022
NET SALVAGE PERCENT.. 0

1952	17,142.10	16,128	15,255	1,887	3.68	513
1953	40,066.08	37,668	35,630	4,437	3.68	1,206
1954	2,673.75	2,512	2,376	298	3.68	81
1955	8,253,231.71	7,745,988	7,326,806	926,425	3.69	251,064
1956	3,007.35	2,820	2,667	340	3.69	92
1957	22,288.76	20,885	19,755	2,534	3.69	687
1958	14,686.67	13,750	13,006	1,681	3.69	456
1959	5,133,797.06	4,801,846	4,541,989	591,808	3.69	160,382
1960	19,915.30	18,610	17,603	2,312	3.69	627
1961	4,434,619.61	4,139,230	3,915,232	519,388	3.70	140,375
1962	21,634.34	20,173	19,081	2,553	3.70	690
1963	10,539.05	9,817	9,286	1,253	3.70	339
1964	76,874.81	71,529	67,658	9,217	3.70	2,491
1965	76,695.67	71,282	67,425	9,271	3.70	2,506
1966	6,554.56	6,085	5,756	799	3.70	216
1967	10,402.43	9,645	9,123	1,279	3.70	346
1968	546.51	506	479	68	3.70	18
1970	4,779.70	4,413	4,174	606	3.71	163
1971	7,118.91	6,563	6,208	911	3.71	246
1972	2,219.50	2,043	1,932	287	3.71	77
1973	9,637.02	8,858	8,379	1,258	3.71	339
1974	908.81	834	789	120	3.71	32
1975	1,973.97	1,808	1,710	264	3.71	71
1976	27,573.77	25,214	23,850	3,724	3.71	1,004
1977	196,143.02	179,018	169,330	26,813	3.71	7,227
1978	20,205.14	18,404	17,408	2,797	3.71	754
1979	18,450.39	16,767	15,860	2,591	3.72	697
1980	51,323.66	46,539	44,020	7,303	3.72	1,963
1981	201,073.06	181,903	172,059	29,014	3.72	7,799

AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MERAMEC						
INTERIM SURVIVOR CURVE.. IOWA 90-R1.5						
PROBABLE RETIREMENT YEAR.. 9-2022						
NET SALVAGE PERCENT.. 0						
1982	106,752.56	96,343	91,129	15,623	3.72	4,200
1983	380,979.55	342,943	324,384	56,595	3.72	15,214
1984	25,211.13	22,633	21,408	3,803	3.72	1,022
1985	43,405.09	38,855	36,752	6,653	3.72	1,788
1986	116,321.33	103,811	98,193	18,128	3.72	4,873
1987	344,651.34	306,595	290,003	54,648	3.72	14,690
1988	54,209.03	48,059	45,458	8,751	3.72	2,352
1989	52,467.75	46,347	43,839	8,629	3.72	2,320
1990	323,880.20	284,989	269,567	54,314	3.72	14,601
1991	974,205.16	853,647	807,451	166,754	3.72	44,826
1992	545,971.71	476,273	450,499	95,473	3.72	25,665
1993	114,961.60	99,766	94,367	20,595	3.73	5,521
1994	1,112,664.70	960,641	908,655	204,010	3.73	54,694
1995	568,633.54	488,200	461,781	106,853	3.73	28,647
1996	846,915.72	722,741	683,629	163,287	3.73	43,777
1997	311,002.80	263,674	249,405	61,598	3.73	16,514
1998	64,792.92	54,539	51,588	13,205	3.73	3,540
1999	491,129.76	410,177	387,980	103,150	3.73	27,654
2000	651,232.22	539,240	510,059	141,174	3.73	37,848
2001	3,815,681.71	3,129,431	2,960,079	855,603	3.73	229,384
2002	2,561,258.44	2,078,512	1,966,031	595,227	3.73	159,578
2003	666,139.62	534,257	505,345	160,794	3.73	43,108
2004	2,441,786.13	1,932,405	1,827,831	613,955	3.73	164,599
2005	394,518.75	307,547	290,904	103,615	3.73	27,779
2006	2,314,797.49	1,773,806	1,677,815	636,983	3.73	170,773
2007	1,450,471.80	1,089,783	1,030,808	419,663	3.73	112,510
2008	966,068.82	709,230	670,849	295,219	3.73	79,147
2009	3,065,538.43	2,190,021	2,071,506	994,033	3.73	266,497
2010	1,091,787.09	754,949	714,094	377,693	3.73	101,258
2011	754,312.81	501,294	474,166	280,147	3.73	75,106
2012	2,181,577.43	1,379,084	1,304,454	877,124	3.73	235,154
2013	48,880.42	28,976	27,408	21,472	3.73	5,757
2014	315,476.74	171,623	162,335	153,141	3.73	41,057
2015	14,567.19	7,021	6,641	7,926	3.73	2,125
2016	587,829.93	233,809	221,156	366,674	3.74	98,041
2017	154,919.67	43,923	41,546	113,374	3.74	30,314
2018	1,052,940.57	121,973	115,372	937,568	3.74	250,687
	49,694,023.86	40,627,955	38,429,334	11,264,690		3,025,081

AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIOUX						
INTERIM SURVIVOR CURVE.. IOWA 90-R1.5						
PROBABLE RETIREMENT YEAR.. 9-2033						
NET SALVAGE PERCENT.. -1						
1967	5,632,254.05	4,347,722	4,257,276	1,431,301	13.98	102,382
1968	3,980,458.99	3,059,300	2,995,657	1,024,607	14.00	73,186
1969	25,172.31	19,260	18,859	6,565	14.02	468
1971	11,285.31	8,554	8,376	3,022	14.05	215
1972	11,180.63	8,432	8,257	3,036	14.07	216
1973	28,622.32	21,472	21,025	7,883	14.09	559
1974	12,106.94	9,035	8,847	3,381	14.10	240
1975	13,729.60	10,187	9,975	3,892	14.12	276
1976	11,884.39	8,765	8,583	3,421	14.14	242
1977	770,922.47	565,193	553,435	225,196	14.15	15,915
1978	213,031.82	155,212	151,983	63,179	14.16	4,462
1979	106,942.56	77,386	75,776	32,236	14.18	2,273
1980	246,908.33	177,454	173,762	75,615	14.19	5,329
1981	126,977.77	90,579	88,695	39,553	14.21	2,783
1982	240,293.88	170,118	166,579	76,118	14.22	5,353
1983	129,297.10	90,815	88,926	41,664	14.23	2,928
1984	215,876.61	150,364	147,236	70,799	14.24	4,972
1985	87,025.57	60,067	58,817	29,078	14.26	2,039
1986	670,105.14	458,299	448,765	228,041	14.27	15,980
1987	213,182.23	144,387	141,383	73,931	14.28	5,177
1988	135,780.94	91,018	89,125	48,014	14.29	3,360
1989	52,972.16	35,124	34,393	19,109	14.30	1,336
1990	241,100.95	158,042	154,754	88,758	14.31	6,203
1991	132,164.65	85,578	83,798	49,689	14.32	3,470
1992	858,169.56	548,437	537,028	329,723	14.33	23,009
1993	992,096.86	625,379	612,369	389,649	14.34	27,172
1994	2,048,993.44	1,272,463	1,245,992	823,492	14.35	57,386
1995	578,467.50	353,636	346,279	237,973	14.36	16,572
1996	708,759.04	426,201	417,335	298,512	14.36	20,788
1997	591,569.73	349,266	342,000	255,485	14.37	17,779
1998	158,178.48	91,570	89,665	70,095	14.38	4,874
1999	207,334.73	117,509	115,064	94,344	14.39	6,556
2000	126,784.70	70,230	68,769	59,284	14.40	4,117
2001	62,659.05	33,869	33,164	30,121	14.40	2,092
2002	406,526.49	213,766	209,319	201,273	14.41	13,968
2003	1,774,789.56	905,500	886,663	905,875	14.42	62,821
2004	950,455.76	469,094	459,335	500,625	14.43	34,693
2005	2,281,331.18	1,086,243	1,063,646	1,240,499	14.43	85,967
2006	46,975.83	21,465	21,018	26,427	14.44	1,830
2007	6,317,409.91	2,756,412	2,699,070	3,681,514	14.45	254,776
2008	6,022,638.04	2,496,651	2,444,713	3,638,152	14.45	251,775

AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIOUX						
INTERIM SURVIVOR CURVE.. IOWA 90-R1.5						
PROBABLE RETIREMENT YEAR.. 9-2033						
NET SALVAGE PERCENT.. -1						
2009	9,389,325.01	3,665,359	3,589,108	5,894,110	14.46	407,615
2010	2,121,027.21	772,448	756,379	1,385,859	14.47	95,775
2011	261,451.14	87,900	86,071	177,994	14.47	12,301
2012	1,184,093.80	360,969	353,460	842,475	14.48	58,182
2013	560,342.39	151,855	148,696	417,250	14.48	28,816
2014	663,772.83	154,791	151,571	518,840	14.49	35,807
2015	513,327.53	98,010	95,971	422,490	14.50	29,137
2016	3,459,178.23	499,714	489,318	3,004,452	14.50	207,204
2017	455,921.09	41,835	40,965	419,516	14.51	28,912
2018	1,593,561.37	52,582	51,488	1,558,009	14.51	107,375
	57,644,417.18	27,725,517	27,148,740	31,072,121		2,156,663

LABADIE
INTERIM SURVIVOR CURVE.. IOWA 90-R1.5
PROBABLE RETIREMENT YEAR.. 9-2042
NET SALVAGE PERCENT.. -2

1957	669.13	483	533	150	21.03	7
1970	9,529,555.60	6,391,482	7,053,145	2,667,001	21.78	122,452
1971	5,176,143.04	3,447,305	3,804,179	1,475,487	21.83	67,590
1972	6,578,179.95	4,349,457	4,799,725	1,910,019	21.88	87,295
1973	5,011,318.05	3,288,563	3,629,004	1,482,541	21.93	67,603
1974	28,269.25	18,410	20,316	8,519	21.97	388
1975	16,534.05	10,682	11,788	5,077	22.01	231
1976	9,460.99	6,061	6,688	2,962	22.06	134
1977	143,717.26	91,278	100,727	45,864	22.10	2,075
1978	10,632.24	6,693	7,386	3,459	22.14	156
1979	25,391.21	15,838	17,478	8,421	22.17	380
1980	1,870,782.19	1,155,566	1,275,193	633,005	22.21	28,501
1981	570,928.25	349,094	385,233	197,114	22.25	8,859
1982	202,699.86	122,648	135,345	71,409	22.28	3,205
1983	474,175.57	283,748	313,122	170,537	22.32	7,641
1984	561,472.13	332,150	366,535	206,167	22.35	9,224
1985	858,773.05	501,971	553,936	322,012	22.38	14,388
1986	153,227.65	88,410	97,562	58,730	22.42	2,620
1987	243,547.64	138,677	153,033	95,385	22.45	4,249
1988	1,327,419.66	745,346	822,506	531,462	22.48	23,642
1989	1,586,116.93	877,645	968,501	649,338	22.51	28,847
1990	5,331,867.21	2,905,847	3,206,668	2,231,836	22.53	99,061

AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
LABADIE						
INTERIM SURVIVOR CURVE.. IOWA 90-R1.5						
PROBABLE RETIREMENT YEAR.. 9-2042						
NET SALVAGE PERCENT.. -2						
1991	2,318,630.11	1,242,927	1,371,598	993,405	22.56	44,034
1992	593,686.79	312,760	345,138	260,423	22.59	11,528
1993	1,089,692.52	563,735	622,094	489,392	22.61	21,645
1994	721,917.93	366,219	404,131	332,225	22.64	14,674
1995	429,336.21	213,413	235,506	202,417	22.66	8,933
1996	3,809,159.58	1,851,716	2,043,411	1,841,932	22.69	81,178
1997	821,404.69	390,028	430,405	407,428	22.71	17,940
1998	126,680.05	58,663	64,736	64,478	22.73	2,837
1999	140,509.05	63,346	69,904	73,415	22.75	3,227
2000	467,112.81	204,433	225,596	250,859	22.78	11,012
2001	2,012,635.19	853,344	941,684	1,111,203	22.80	48,737
2002	1,467,615.73	601,527	663,799	833,169	22.82	36,510
2003	468,855.97	185,081	204,241	273,992	22.84	11,996
2004	132,016.25	50,042	55,222	79,434	22.86	3,475
2005	2,835,891.80	1,027,773	1,134,171	1,758,439	22.88	76,855
2006	481,298.79	166,055	183,245	307,679	22.89	13,442
2007	534,842.38	174,562	192,633	352,906	22.91	15,404
2008	2,831,620.37	868,498	958,407	1,929,846	22.93	84,162
2009	2,030,007.23	580,474	640,566	1,430,041	22.95	62,311
2010	619,311.86	163,326	180,234	451,464	22.97	19,655
2011	396,903.88	95,352	105,223	299,619	22.98	13,038
2012	1,931,197.55	415,061	458,029	1,511,792	23.00	65,730
2013	98,382.01	18,491	20,405	79,944	23.02	3,473
2014	1,669,034.52	266,275	293,841	1,408,575	23.03	61,163
2015	559,088.98	71,797	79,230	491,041	23.05	21,303
2016	13,797,233.23	1,316,546	1,452,838	12,620,340	23.06	547,283
2017	1,354,275.85	80,589	88,932	1,292,430	23.08	55,998
2018	46,508,861.96	965,859	1,065,847	46,373,192	23.09	2,008,367
	129,958,084.20	38,295,246	42,259,673	90,297,573		3,944,458

RUSH ISLAND
INTERIM SURVIVOR CURVE.. IOWA 90-R1.5
PROBABLE RETIREMENT YEAR.. 9-2045
NET SALVAGE PERCENT.. -2

1974	6,007.21	3,747	4,323	1,804	24.44	74
1976	28,855,806.04	17,681,828	20,399,490	9,033,432	24.55	367,961
1977	7,594,210.92	4,609,159	5,317,578	2,428,517	24.61	98,680
1978	40,465.59	24,322	28,060	13,215	24.66	536

AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RUSH ISLAND						
INTERIM SURVIVOR CURVE.. IOWA 90-R1.5						
PROBABLE RETIREMENT YEAR.. 9-2045						
NET SALVAGE PERCENT.. -2						
1979	54,168.73	32,233	37,187	18,065	24.71	731
1980	411,692.49	242,407	279,664	140,262	24.76	5,665
1981	162,776.05	94,801	109,372	56,660	24.81	2,284
1982	118,290.17	68,119	78,589	42,067	24.85	1,693
1983	35,376.92	20,128	23,222	12,863	24.90	517
1984	44,411.53	24,962	28,799	16,501	24.94	662
1985	44,777.88	24,842	28,660	17,013	24.98	681
1986	5,720.49	3,131	3,612	2,223	25.02	89
1988	22,952.41	12,202	14,077	9,334	25.10	372
1991	57,148.35	28,907	33,350	24,941	25.21	989
1992	956,149.41	474,948	547,947	427,326	25.24	16,931
1993	7,940.38	3,867	4,461	3,638	25.28	144
1994	38,928.55	18,572	21,426	18,281	25.31	722
1995	229,040.42	106,910	123,342	110,279	25.34	4,352
1996	530,151.30	241,739	278,894	261,861	25.37	10,322
1997	227,634.72	101,248	116,810	115,378	25.40	4,542
1998	242,095.60	104,864	120,981	125,956	25.43	4,953
1999	38,736.00	16,306	18,812	20,699	25.46	813
2000	2,227.92	909	1,049	1,224	25.49	48
2001	2,792,349.30	1,102,195	1,271,600	1,576,596	25.52	61,779
2002	3,019,637.43	1,150,576	1,327,417	1,752,613	25.54	68,622
2003	2,549,537.45	933,980	1,077,531	1,522,997	25.57	59,562
2004	722,145.83	253,519	292,484	444,104	25.59	17,355
2005	676,658.09	226,686	261,527	428,664	25.62	16,732
2006	869,571.64	276,608	319,122	567,841	25.64	22,147
2007	74,131.93	22,260	25,681	49,933	25.67	1,945
2008	165,675.20	46,663	53,835	115,154	25.69	4,482
2009	554,766.78	145,268	167,595	398,267	25.71	15,491
2010	4,770,294.64	1,149,619	1,326,313	3,539,387	25.73	137,559
2011	4,815,402.30	1,053,022	1,214,869	3,696,841	25.76	143,511
2012	799,797.53	156,306	180,330	635,464	25.78	24,649
2013	2,057,532.95	350,900	404,833	1,693,851	25.80	65,653
2014	1,934,747.15	278,354	321,136	1,652,306	25.82	63,993
2015	35,403.48	4,090	4,719	31,393	25.84	1,215

AMEREN MISSOURI

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RUSH ISLAND						
INTERIM SURVIVOR CURVE.. IOWA 90-R1.5						
PROBABLE RETIREMENT YEAR.. 9-2045						
NET SALVAGE PERCENT.. -2						
2016	671,925.96	57,317	66,127	619,238	25.86	23,946
2017	359,374.02	19,065	21,995	344,566	25.88	13,314
2018	30,912,756.44	561,883	648,243	30,882,768	25.90	1,192,385
	97,508,417.20	31,728,462	36,605,064	62,853,522		2,458,101
	336,781,386.97	139,214,379	145,248,740	196,697,950		11,637,374
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						16.9 3.46

AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
COMMON - ALL STEAM PLANTS						
INTERIM SURVIVOR CURVE.. IOWA 55-R0.5						
PROBABLE RETIREMENT YEAR.. 9-2042						
NET SALVAGE PERCENT.. -6						
1961	61,412.07	43,871	51,812	13,285	17.06	779
1971	55,361.78	36,863	43,536	15,148	18.45	821
2001	33,860,254.06	14,157,907	16,720,626	19,171,243	21.00	912,916
2002	654,460.56	264,352	312,202	381,526	21.05	18,125
2003	1,756,471.03	683,544	807,272	1,054,587	21.10	49,980
2016	7,149.90	672	794	6,785	21.60	314
	36,395,109.40	15,187,209	17,936,242	20,642,574		982,935

MERAMEC

INTERIM SURVIVOR CURVE.. IOWA 55-R0.5

PROBABLE RETIREMENT YEAR.. 9-2022

NET SALVAGE PERCENT.. -1

1953	5,679,044.62	5,321,019	4,701,818	1,034,017	3.54	292,095
1954	4,875,770.62	4,564,742	4,033,549	890,980	3.55	250,980
1955	151,515.92	141,765	125,268	27,763	3.55	7,821
1956	25,699.16	24,025	21,229	4,727	3.56	1,328
1957	47,345.22	44,231	39,084	8,735	3.56	2,454
1958	11,255.70	10,506	9,283	2,085	3.57	584
1959	14,357,229.56	13,390,910	11,832,626	2,668,176	3.57	747,388
1960	49,851.33	46,449	41,044	9,306	3.58	2,599
1961	17,004,613.55	15,831,601	13,989,297	3,185,363	3.58	889,766
1962	84,726.96	78,797	69,627	15,947	3.59	4,442
1963	97,814.50	90,888	80,311	18,481	3.59	5,148
1964	888,171.04	824,320	728,395	168,658	3.60	46,849
1965	61,699.02	57,207	50,550	11,766	3.60	3,268
1966	5,372.69	4,975	4,396	1,030	3.61	285
1967	61,862.07	57,224	50,565	11,916	3.61	3,301
1968	14,900.32	13,768	12,166	2,883	3.61	799
1970	44,937.37	41,411	36,592	8,795	3.62	2,430
1972	84,528.62	77,666	68,628	16,746	3.63	4,613
1973	24,756.91	22,715	20,072	4,933	3.63	1,359
1975	2,206.32	2,017	1,782	446	3.64	123
1976	10,021.97	9,149	8,084	2,038	3.64	560
1977	435,376.56	396,751	350,582	89,149	3.64	24,491
1978	157,108.55	142,907	126,277	32,403	3.64	8,902
1979	221,850.40	201,337	177,908	46,161	3.65	12,647
1980	33,906.41	30,709	27,135	7,110	3.65	1,948
1981	44,010,151.90	39,771,864	35,143,661	9,306,593	3.65	2,549,752

AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MERAMEC						
INTERIM SURVIVOR CURVE.. IOWA 55-R0.5						
PROBABLE RETIREMENT YEAR.. 9-2022						
NET SALVAGE PERCENT.. -1						
1982	1,638,875.98	1,477,622	1,305,673	349,592	3.65	95,779
1983	599,254.24	538,803	476,103	129,144	3.66	35,285
1984	202,644.29	181,727	160,580	44,091	3.66	12,047
1985	583,888.46	522,192	461,425	128,302	3.66	35,055
1986	237,756.80	212,010	187,339	52,796	3.66	14,425
1987	809,633.88	719,464	635,741	181,989	3.67	49,588
1988	17,910.03	15,862	14,016	4,073	3.67	1,110
1989	234,689.42	207,122	183,019	54,017	3.67	14,719
1990	95,184.43	83,687	73,948	22,188	3.67	6,046
1991	2,018,453.20	1,767,458	1,561,781	476,857	3.67	129,934
1992	220,956.24	192,639	170,222	52,944	3.67	14,426
1993	490,167.85	425,161	375,686	119,384	3.68	32,441
1994	3,601,069.07	3,107,630	2,745,999	891,081	3.68	242,142
1995	6,515,254.78	5,592,030	4,941,292	1,639,115	3.68	445,412
1996	34,117,234.59	29,108,050	25,720,782	8,737,625	3.68	2,374,355
1997	3,469,132.23	2,940,759	2,598,546	905,277	3.68	245,999
1998	1,349,428.10	1,135,873	1,003,693	359,230	3.68	97,617
1999	4,679,337.41	3,908,463	3,453,640	1,272,491	3.68	345,786
2000	7,536,094.70	6,241,089	5,514,821	2,096,635	3.68	569,738
2001	43,116,365.86	35,348,836	31,235,335	12,312,195	3.69	3,336,638
2002	40,324,144.83	32,716,309	28,909,152	11,818,234	3.69	3,202,773
2003	34,787,643.54	27,896,549	24,650,262	10,485,258	3.69	2,841,533
2004	51,761,818.77	40,958,325	36,192,055	16,087,382	3.69	4,359,724
2005	25,261,893.84	19,695,673	17,403,711	8,110,801	3.69	2,198,049
2006	23,808,791.21	18,247,253	16,123,842	7,923,037	3.69	2,147,164
2007	2,478,474.96	1,862,701	1,645,941	857,319	3.69	232,336
2008	5,745,727.71	4,219,322	3,728,325	2,074,860	3.69	562,293
2009	11,499,990.28	8,218,883	7,262,462	4,352,529	3.69	1,179,547
2010	4,669,219.99	3,231,107	2,855,107	1,860,805	3.69	504,283
2011	1,818,498.59	1,207,454	1,066,944	769,740	3.70	208,038
2012	9,837,830.77	6,215,198	5,491,943	4,444,266	3.70	1,201,153
2013	9,114,966.85	5,400,216	4,771,799	4,434,317	3.70	1,198,464
2014	2,240,282.62	1,217,506	1,075,826	1,186,859	3.70	320,773
2015	3,122,983.23	1,503,487	1,328,528	1,825,685	3.70	493,428
2016	18,893,009.26	7,526,680	6,650,809	12,431,130	3.70	3,359,765
2017	2,237,828.34	636,361	562,308	1,697,898	3.70	458,891
2018	1,871,883.61	221,106	195,376	1,695,226	3.70	458,169
	449,450,037.25	355,899,560	314,483,961	139,460,577		37,890,857

AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIOUX						
INTERIM SURVIVOR CURVE.. IOWA 55-R0.5						
PROBABLE RETIREMENT YEAR.. 9-2033						
NET SALVAGE PERCENT.. -3						
1967	19,554,927.85	14,870,324	14,360,512	5,781,064	12.52	461,746
1968	16,322,194.79	12,354,700	11,931,133	4,880,727	12.58	387,975
1969	551,551.18	415,598	401,350	166,748	12.63	13,203
1970	475,603.59	356,690	344,461	145,410	12.68	11,468
1971	68,031.41	50,753	49,013	21,059	12.74	1,653
1972	31,433.82	23,331	22,531	9,846	12.79	770
1973	9,548,105.26	7,050,978	6,809,243	3,025,305	12.83	235,799
1974	43,160.20	31,694	30,607	13,848	12.88	1,075
1975	87,927.25	64,191	61,990	28,575	12.93	2,210
1976	18,532.27	13,450	12,989	6,099	12.97	470
1977	607,091.73	437,801	422,791	202,513	13.02	15,554
1978	150,805.06	108,053	104,349	50,981	13.06	3,904
1979	5,052.99	3,596	3,473	1,732	13.10	132
1980	239,180.34	169,042	163,247	83,109	13.14	6,325
1981	608,394.16	426,809	412,176	214,470	13.18	16,272
1982	13,219,780.15	9,205,622	8,890,018	4,726,356	13.21	357,786
1983	285,096.69	196,886	190,136	103,514	13.25	7,812
1984	1,264,508.64	865,774	836,092	466,352	13.29	35,090
1985	239,389.95	162,488	156,917	89,654	13.32	6,731
1986	12,896,317.70	8,672,473	8,375,147	4,908,060	13.35	367,645
1987	653,536.54	435,247	420,325	252,818	13.38	18,895
1988	339,577.65	223,815	216,142	133,623	13.41	9,964
1989	129,058.33	84,143	81,258	51,672	13.44	3,845
1990	1,126,840.33	726,135	701,240	459,405	13.47	34,106
1991	514,784.26	327,681	316,447	213,781	13.50	15,836
1992	483,929.82	303,983	293,561	204,886	13.53	15,143
1993	1,043,749.73	646,747	624,574	450,488	13.55	33,246
1994	15,464,152.23	9,440,253	9,116,605	6,811,472	13.58	501,581
1995	23,163,017.04	13,920,135	13,442,899	10,415,008	13.60	765,809
1996	46,935,921.67	27,741,721	26,790,628	21,553,371	13.62	1,582,480
1997	27,804,109.21	16,138,217	15,584,937	13,053,296	13.64	956,987
1998	2,489,611.25	1,417,340	1,368,748	1,195,551	13.66	87,522
1999	15,532,581.09	8,656,660	8,359,876	7,638,682	13.68	558,383
2000	2,516,261.20	1,370,750	1,323,755	1,267,994	13.70	92,554
2001	15,272,864.94	8,115,335	7,837,110	7,893,941	13.72	575,360
2002	30,175,785.56	15,602,381	15,067,471	16,013,588	13.74	1,165,472
2003	8,175,164.27	4,101,923	3,961,293	4,459,126	13.76	324,064
2004	20,642,933.49	10,027,264	9,683,491	11,578,731	13.77	840,866
2005	74,925.91	35,076	33,873	43,300	13.79	3,140
2006	13,835,854.41	6,223,809	6,010,433	8,240,497	13.80	597,137
2007	26,773,761.27	11,496,289	11,102,152	16,474,822	13.82	1,192,100

AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIOUX						
INTERIM SURVIVOR CURVE.. IOWA 55-R0.5						
PROBABLE RETIREMENT YEAR.. 9-2033						
NET SALVAGE PERCENT.. -3						
2008	14,499,181.84	5,914,972	5,712,184	9,221,973	13.83	666,809
2009	1,483,871.78	570,119	550,573	977,815	13.85	70,600
2010	492,562,390.56	176,746,852	170,687,288	336,651,974	13.86	24,289,464
2011	3,680,394.91	1,216,622	1,174,912	2,615,895	13.88	188,465
2012	8,426,107.68	2,528,421	2,441,737	6,237,154	13.89	449,039
2013	2,017,993.59	538,465	520,004	1,558,529	13.90	112,124
2014	35,828,555.64	8,242,008	7,959,440	28,943,972	13.91	2,080,803
2015	8,132,509.74	1,528,792	1,476,379	6,900,106	13.93	495,341
2016	35,855,058.68	5,112,688	4,937,405	31,993,305	13.94	2,295,072
2017	19,802,555.04	1,799,799	1,738,095	18,658,537	13.95	1,337,530
2018	7,524,479.69	247,232	238,756	7,511,458	13.96	538,070
	959,178,604.38	396,961,127	383,351,769	604,602,194		43,831,427

LABADIE

INTERIM SURVIVOR CURVE.. IOWA 55-R0.5
PROBABLE RETIREMENT YEAR.. 9-2042
NET SALVAGE PERCENT.. -6

1970	43,570,703.71	29,242,460	30,697,112	15,487,834	18.32	845,406
1971	40,252,049.00	26,802,237	28,135,501	14,531,671	18.45	787,624
1972	56,721,350.98	37,472,677	39,336,737	20,787,895	18.57	1,119,434
1973	46,567,937.41	30,514,610	32,032,544	17,329,469	18.69	927,205
1974	195,510.22	127,014	133,332	73,909	18.81	3,929
1975	408,923.37	263,383	276,485	156,974	18.92	8,297
1976	93,996.92	59,982	62,966	36,671	19.04	1,926
1977	2,009,782.21	1,270,595	1,333,800	796,569	19.15	41,596
1978	154,744.91	96,919	101,740	62,289	19.25	3,236
1979	840,177.22	520,914	546,827	343,761	19.36	17,756
1980	2,877,969.68	1,765,959	1,853,806	1,196,842	19.46	61,503
1981	325,040.06	197,333	207,149	137,393	19.56	7,024
1982	3,654,335.38	2,194,431	2,303,592	1,570,004	19.65	79,898
1983	50,873,025.26	30,201,463	31,703,820	22,221,587	19.74	1,125,714
1984	608,536.17	356,957	374,714	270,335	19.83	13,633
1985	456,309.48	264,258	277,403	206,285	19.92	10,356
1986	475,711.86	271,869	285,393	218,862	20.01	10,938
1987	1,009,368.44	569,000	597,305	472,626	20.09	23,525
1988	139,255.53	77,375	81,224	66,387	20.17	3,291
1989	648,588.51	354,999	372,658	314,846	20.25	15,548
1990	9,256,346.28	4,985,437	5,233,435	4,578,292	20.33	225,199

AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
LABADIE						
INTERIM SURVIVOR CURVE.. IOWA 55-R0.5						
PROBABLE RETIREMENT YEAR.. 9-2042						
NET SALVAGE PERCENT.. -6						
1991	1,208,932.82	640,414	672,271	609,198	20.40	29,863
1992	12,125,974.09	6,310,056	6,623,947	6,229,586	20.47	304,328
1993	33,351,110.34	17,034,093	17,881,446	17,470,731	20.54	850,571
1994	19,656,359.30	9,847,179	10,337,022	10,498,719	20.60	509,647
1995	8,979,557.90	4,402,799	4,621,814	4,896,517	20.67	236,890
1996	14,531,775.91	6,969,550	7,316,247	8,087,436	20.73	390,132
1997	3,596,141.13	1,683,835	1,767,597	2,044,313	20.79	98,332
1998	528,805.95	241,388	253,396	307,139	20.85	14,731
1999	12,058,439.58	5,357,169	5,623,659	7,158,287	20.90	342,502
2000	15,003,641.54	6,475,893	6,798,033	9,105,827	20.95	434,646
2001	16,315,331.50	6,821,890	7,161,242	10,133,010	21.00	482,524
2002	33,352,589.36	13,471,898	14,142,051	21,211,694	21.05	1,007,681
2003	22,545,508.86	8,773,761	9,210,207	14,688,032	21.10	696,115
2004	4,210,727.96	1,572,089	1,650,292	2,813,080	21.15	133,006
2005	9,335,208.32	3,334,525	3,500,399	6,394,922	21.19	301,790
2006	14,947,860.85	5,080,455	5,333,180	10,511,553	21.23	495,127
2007	6,148,266.15	1,978,219	2,076,625	4,440,538	21.27	208,770
2008	25,820,005.31	7,804,055	8,192,264	19,176,942	21.31	899,903
2009	824,330.46	232,271	243,825	629,965	21.35	29,507
2010	3,330,668.86	865,822	908,892	2,621,617	21.39	122,563
2011	2,784,476.06	658,991	691,772	2,259,772	21.43	105,449
2012	62,012,267.07	13,156,461	13,810,923	51,922,080	21.46	2,419,482
2013	8,393,148.66	1,556,751	1,634,191	7,262,547	21.50	337,793
2014	203,965,873.58	32,071,676	33,667,066	182,536,760	21.53	8,478,252
2015	11,234,963.39	1,424,205	1,495,051	10,414,010	21.57	482,801
2016	98,097,702.07	9,213,984	9,672,329	94,311,235	21.60	4,366,261
2017	9,750,579.99	573,213	601,727	9,733,888	21.63	450,018
2018	104,393,672.41	2,154,497	2,261,671	108,395,621	21.66	5,004,415
	1,019,643,582.02	337,317,011	354,096,680	726,725,517		34,566,137

RUSH ISLAND

INTERIM SURVIVOR CURVE.. IOWA 55-R0.5

PROBABLE RETIREMENT YEAR.. 9-2045

NET SALVAGE PERCENT.. -7

1976	97,258,232.55	59,995,268	66,589,903	37,476,406	20.73	1,807,834
1977	64,205,125.34	39,192,369	43,500,365	25,199,119	20.87	1,207,433
1978	219,009.95	132,285	146,826	87,515	21.00	4,167
1979	218,727.64	130,668	145,031	89,008	21.13	4,212

AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RUSH ISLAND						
INTERIM SURVIVOR CURVE.. IOWA 55-R0.5						
PROBABLE RETIREMENT YEAR.. 9-2045						
NET SALVAGE PERCENT.. -7						
1980	132,847.48	78,458	87,082	55,065	21.26	2,590
1981	35,687.79	20,834	23,124	15,062	21.38	704
1982	264,873.72	152,766	169,558	113,857	21.50	5,296
1983	553,036.17	314,893	349,506	242,243	21.62	11,205
1984	167,808.22	94,288	104,652	74,903	21.74	3,445
1985	504,548.10	279,640	310,378	229,489	21.85	10,503
1986	388,706.09	212,362	235,705	180,211	21.96	8,206
1987	47,175.78	25,398	28,190	22,288	22.06	1,010
1988	57,643.78	30,551	33,909	27,770	22.16	1,253
1989	67,505.28	35,200	39,069	33,161	22.26	1,490
1990	407,190.13	208,658	231,594	204,100	22.36	9,128
1991	548,159.52	275,898	306,225	280,306	22.45	12,486
1992	1,165,459.74	575,722	639,005	608,037	22.54	26,976
1993	3,254,658.91	1,575,685	1,748,883	1,733,602	22.63	76,606
1994	2,463,950.57	1,168,227	1,296,638	1,339,789	22.71	58,996
1995	10,813,228.53	5,009,646	5,560,303	6,009,852	22.80	263,590
1996	17,107,298.06	7,739,456	8,590,171	9,714,638	22.88	424,591
1997	804,634.38	355,094	394,126	466,833	22.95	20,341
1998	939,057.56	403,122	447,433	557,359	23.03	24,201
1999	1,526,722.36	636,873	706,878	926,715	23.10	40,118
2000	1,262,889.61	510,910	567,069	784,223	23.16	33,861
2001	17,468,505.17	6,834,474	7,585,714	11,105,586	23.23	478,071
2002	27,860,230.67	10,514,145	11,669,852	18,140,595	23.29	778,901
2003	3,000,897.68	1,088,484	1,208,129	2,002,831	23.36	85,738
2004	21,723,728.01	7,553,729	8,384,029	14,860,360	23.41	634,787
2005	5,887,399.88	1,952,284	2,166,878	4,132,640	23.47	176,082
2006	4,756,702.09	1,497,585	1,662,198	3,427,473	23.53	145,664
2007	37,659,515.51	11,193,737	12,424,144	27,871,537	23.58	1,181,999
2008	2,699,934.56	752,971	835,737	2,053,193	23.63	86,889
2009	6,592,097.55	1,708,651	1,896,465	5,157,080	23.68	217,782
2010	37,505,858.79	8,948,872	9,932,525	30,198,744	23.73	1,272,598
2011	1,822,649.44	394,494	437,856	1,512,378	23.78	63,599
2012	5,832,388.21	1,128,810	1,252,888	4,987,767	23.82	209,394
2013	5,232,150.00	883,036	980,099	4,618,302	23.87	193,477
2014	19,725,200.82	2,815,114	3,124,549	17,981,416	23.91	752,046
2015	8,723,835.11	998,512	1,108,268	8,226,236	23.96	343,332

AMEREN MISSOURI

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RUSH ISLAND						
INTERIM SURVIVOR CURVE.. IOWA 55-R0.5						
PROBABLE RETIREMENT YEAR.. 9-2045						
NET SALVAGE PERCENT.. -7						
2016	49,551,395.20	4,191,230	4,651,927	48,368,066	24.00	2,015,336
2017	2,459,053.36	129,060	143,246	2,487,941	24.04	103,492
2018	81,970,137.34	1,503,316	1,668,559	86,039,488	24.08	3,573,068
	544,885,856.65	183,242,775	203,384,684	379,643,183		16,372,497
	3,009,553,189.70	1,288,607,682	1,273,253,336	1,871,074,045		133,643,853
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..					14.0	4.44

AMEREN MISSOURI

ACCOUNT 312.03 BOILER PLANT EQUIPMENT - ALUMINUM COAL CARS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-R2.5						
NET SALVAGE PERCENT.. +25						
1994	15,674,126.53	7,790,080	11,755,595			
1995	12,316,678.09	5,930,481	9,237,509			
1996	6,898,484.75	3,211,262	5,079,949	93,915	11.38	8,253
1997	14,308,616.27	6,420,956	10,157,418	574,044	12.05	47,639
1999	838,656.93	347,412	549,577	79,416	13.43	5,913
2000	28,320,005.43	11,214,722	17,740,758	3,499,246	14.16	247,122
	78,356,568.00	34,914,913	54,520,806	4,246,620		308,927
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..					13.7	0.39

AMEREN MISSOURI

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MERAMEC						
INTERIM SURVIVOR CURVE.. IOWA 60-S0.5						
PROBABLE RETIREMENT YEAR.. 9-2022						
NET SALVAGE PERCENT.. 0						
1953	6,760,566.15	6,312,679	6,110,705	649,861	3.53	184,097
1954	4,324,538.30	4,035,097	3,905,994	418,544	3.54	118,233
1955	31,884.17	29,734	28,783	3,102	3.54	876
1959	606,078.34	563,580	545,548	60,530	3.56	17,003
1960	9,069,512.49	8,425,940	8,156,353	913,160	3.57	255,787
1961	10,912,077.59	10,130,336	9,806,217	1,105,861	3.57	309,765
1962	1,147.44	1,064	1,030	117	3.58	33
1963	1,539.59	1,427	1,381	158	3.58	44
1965	16,057.56	14,851	14,376	1,682	3.59	469
1966	47,000.63	43,420	42,031	4,970	3.60	1,381
1967	13,411.23	12,377	11,981	1,430	3.60	397
1968	44,534.65	41,058	39,744	4,790	3.60	1,331
1969	13,658.44	12,576	12,174	1,485	3.61	411
1970	13,491.68	12,408	12,011	1,481	3.61	410
1975	3,356.36	3,065	2,967	389	3.63	107
1976	2,466.54	2,249	2,177	289	3.63	80
1980	79,905.75	72,287	69,974	9,932	3.65	2,721
1982	48,906.62	44,056	42,646	6,260	3.65	1,715
1983	41,659.85	37,430	36,232	5,427	3.66	1,483
1984	39,926.64	35,785	34,640	5,287	3.66	1,445
1985	49,964.09	44,663	43,234	6,730	3.66	1,839
1986	48,293.79	43,036	41,659	6,635	3.67	1,808
1987	64,412.88	57,230	55,399	9,014	3.67	2,456
1988	56,545.12	50,080	48,478	8,067	3.67	2,198
1989	44,349.44	39,146	37,894	6,456	3.67	1,759
1991	1,921,934.37	1,682,999	1,629,152	292,783	3.68	79,561
1992	281,526.75	245,491	237,637	43,890	3.68	11,927
1993	23,181.12	20,114	19,470	3,711	3.69	1,006
1994	5,685,520.09	4,909,390	4,752,314	933,206	3.69	252,901
1995	204,519.25	175,660	170,040	34,479	3.69	9,344
1996	240,732.07	205,566	198,989	41,743	3.69	11,312
1997	3,695,044.11	3,134,026	3,033,753	661,291	3.70	178,727
1998	1,715,808.40	1,445,311	1,399,068	316,740	3.70	85,605
1999	287,304.15	240,183	232,498	54,806	3.70	14,812
2000	858,436.78	711,661	688,891	169,545	3.70	45,823
2001	2,793,590.70	2,293,398	2,220,021	573,570	3.71	154,601
2002	7,157,261.32	5,815,490	5,629,424	1,527,837	3.71	411,816
2003	113,435.40	91,109	88,194	25,241	3.71	6,804
2004	1,198,506.33	950,236	919,833	278,673	3.71	75,114
2005	20,075,166.43	15,671,879	15,170,458	4,904,708	3.72	1,318,470
2006	841,123.17	645,688	625,029	216,094	3.72	58,090

AMEREN MISSOURI

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MERAMEC						
INTERIM SURVIVOR CURVE.. IOWA 60-S0.5						
PROBABLE RETIREMENT YEAR.. 9-2022						
NET SALVAGE PERCENT.. 0						
2007	76,055.01	57,256	55,424	20,631	3.72	5,546
2008	528,705.62	389,022	376,575	152,130	3.72	40,895
2009	3,929,587.68	2,812,406	2,722,423	1,207,164	3.73	323,636
2010	7,817.67	5,416	5,243	2,575	3.73	690
2011	905,636.80	603,218	583,918	321,719	3.73	86,252
2012	16,384,921.30	10,387,221	10,054,883	6,330,039	3.73	1,697,061
2013	9,190,742.45	5,464,540	5,289,702	3,901,040	3.73	1,045,855
2014	151,433.53	82,533	79,892	71,541	3.74	19,129
2015	141,784.14	68,441	66,251	75,533	3.74	20,196
2016	548,345.71	219,163	212,151	336,195	3.74	89,892
2017	1,220,077.65	349,259	338,084	881,993	3.74	235,827
2018	321,992.00	37,969	36,754	285,238	3.74	76,267
	112,835,475.34	88,780,219	85,939,703	26,895,772		7,265,007

SIOUX
INTERIM SURVIVOR CURVE.. IOWA 60-S0.5
PROBABLE RETIREMENT YEAR.. 9-2033
NET SALVAGE PERCENT.. -1

1967	7,576,954.48	5,830,993	5,192,070	2,460,654	12.40	198,440
1968	8,233,518.50	6,310,153	5,618,727	2,697,127	12.46	216,463
1969	24,738.70	18,883	16,814	8,172	12.51	653
1980	2,381.78	1,716	1,528	878	13.06	67
1981	11,490.03	8,220	7,319	4,286	13.11	327
1982	17,075.21	12,127	10,798	6,448	13.16	490
1983	7,493.51	5,283	4,704	2,864	13.20	217
1985	30,970.10	21,482	19,128	12,152	13.29	914
1987	351,730.60	239,597	213,343	141,904	13.38	10,606
1988	8,712.13	5,877	5,233	3,566	13.42	266
1989	151,201.77	100,950	89,889	62,825	13.46	4,668
1990	336,953.19	222,432	198,059	142,263	13.51	10,530
1991	69,414.39	45,292	40,329	29,779	13.55	2,198
1992	6,254.98	4,031	3,589	2,728	13.59	201
1993	19,711.63	12,535	11,161	8,747	13.63	642
1994	1,616,397.67	1,013,494	902,442	730,120	13.67	53,410
1995	4,182,043.52	2,582,428	2,299,462	1,924,402	13.71	140,365
1996	485,833.22	295,126	262,788	227,904	13.75	16,575
1997	162,467.65	96,965	86,340	77,752	13.79	5,638
1998	14,490.03	8,485	7,555	7,080	13.83	512

AMEREN MISSOURI

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIOUX						
INTERIM SURVIVOR CURVE.. IOWA 60-S0.5						
PROBABLE RETIREMENT YEAR.. 9-2033						
NET SALVAGE PERCENT.. -1						
1999	27,149,332.32	15,572,561	13,866,220	13,554,606	13.87	977,261
2000	498,080.58	279,355	248,745	254,316	13.91	18,283
2001	3,322,537.16	1,817,884	1,618,692	1,737,071	13.95	124,521
2002	2,680,938.75	1,428,879	1,272,312	1,435,437	13.98	102,678
2003	415,649.49	215,088	191,520	228,286	14.02	16,283
2004	11,899,339.38	5,959,651	5,306,631	6,711,702	14.06	477,361
2005	12,842,620.12	6,204,830	5,524,944	7,446,102	14.10	528,092
2006	1,153,586.18	535,560	476,877	688,245	14.13	48,708
2008	7,620,432.43	3,208,805	2,857,205	4,839,432	14.21	340,565
2009	23,456.67	9,317	8,296	15,395	14.24	1,081
2010	28,051,999.92	10,398,601	9,259,189	19,073,331	14.28	1,335,667
2011	11,652,328.00	3,986,345	3,549,547	8,219,304	14.31	574,375
2012	13,035,120.38	4,047,461	3,603,966	9,561,505	14.35	666,307
2013	125,329.97	34,604	30,812	95,771	14.38	6,660
2014	9,692,841.30	2,305,882	2,053,218	7,736,551	14.41	536,888
2016	4,241,920.60	626,499	557,851	3,726,489	14.48	257,354
2017	6,696,836.39	633,701	564,264	6,199,541	14.51	427,260
2018	180,945.48	6,071	5,406	177,349	14.55	12,189
	164,593,128.21	74,107,163	65,986,975	100,252,084		7,114,715

LABADIE

INTERIM SURVIVOR CURVE.. IOWA 60-S0.5

PROBABLE RETIREMENT YEAR.. 9-2042

NET SALVAGE PERCENT.. -2

1970	14,087,468.45	9,594,470	9,794,408	4,574,809	18.06	253,312
1971	8,268,953.18	5,595,336	5,711,937	2,722,395	18.18	149,747
1972	17,508,851.99	11,763,921	12,009,068	5,849,961	18.31	319,495
1973	13,165,493.75	8,783,646	8,966,688	4,462,116	18.43	242,112
1977	49,226.50	31,831	32,494	17,717	18.91	937
1979	2,377,992.81	1,511,144	1,542,635	882,918	19.14	46,129
1982	197,826.51	122,157	124,703	77,080	19.47	3,959
1983	9,199.67	5,622	5,739	3,645	19.58	186
1984	8,220,652.95	4,968,235	5,071,768	3,313,298	19.69	168,273
1985	5,269.79	3,148	3,214	2,162	19.80	109
1986	89,514.65	52,831	53,932	37,373	19.91	1,877
1987	158,714.17	92,472	94,399	67,489	20.02	3,371
1988	26,564.78	15,275	15,593	11,503	20.12	572
1989	92,634.52	52,514	53,608	40,879	20.23	2,021

AMEREN MISSOURI

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
LABADIE						
INTERIM SURVIVOR CURVE.. IOWA 60-S0.5						
PROBABLE RETIREMENT YEAR.. 9-2042						
NET SALVAGE PERCENT.. -2						
1990	793,836.06	443,496	452,738	356,975	20.33	17,559
1991	109,848.61	60,419	61,678	50,368	20.43	2,465
1992	625,591.90	338,246	345,295	292,809	20.54	14,256
1993	477,832.69	253,876	259,167	228,223	20.64	11,057
1994	486,877.02	253,864	259,154	237,460	20.74	11,449
1995	993,682.78	507,873	518,457	495,100	20.84	23,757
1996	295,269.71	147,729	150,808	150,368	20.94	7,181
1997	32,723.96	16,000	16,333	17,045	21.04	810
1998	134,284.88	64,053	65,388	71,583	21.14	3,386
1999	2,884,252.12	1,340,464	1,368,398	1,573,539	21.23	74,119
2000	8,453,158.86	3,817,834	3,897,394	4,724,828	21.33	221,511
2001	12,197,802.84	5,341,123	5,452,426	6,989,333	21.43	326,147
2002	18,496,864.46	7,833,873	7,997,123	10,869,679	21.52	505,097
2003	44,342,013.88	18,104,206	18,481,478	26,747,376	21.62	1,237,159
2004	3,093,799.89	1,213,799	1,239,093	1,916,583	21.71	88,281
2005	6,634,694.04	2,491,211	2,543,125	4,224,263	21.80	193,774
2006	3,870,630.73	1,383,158	1,411,982	2,536,062	21.90	115,802
2007	1,521,843.45	515,062	525,795	1,026,485	21.99	46,680
2008	25,860,338.00	8,233,751	8,405,334	17,972,211	22.08	813,959
2009	63,402.01	18,835	19,228	45,443	22.17	2,050
2010	28,350.10	7,771	7,933	20,984	22.26	943
2011	214,450.79	53,576	54,692	164,047	22.35	7,340
2012	33,900,159.63	7,589,215	7,747,366	26,830,797	22.44	1,195,668
2013	958,676.88	187,923	191,839	786,011	22.53	34,887
2014	8,499,301.89	1,414,394	1,443,868	7,225,419	22.62	319,426
2015	5,122,620.51	687,358	701,682	4,523,391	22.71	199,181
2016	4,809,730.55	479,701	489,697	4,416,228	22.79	193,779
2017	2,355,388.67	146,889	149,950	2,252,546	22.88	98,450
2018	2,096,419.12	45,547	46,496	2,091,851	22.97	91,069
	253,612,209.75	105,583,848	107,784,102	150,900,352		7,049,342

RUSH ISLAND

INTERIM SURVIVOR CURVE.. IOWA 60-S0.5
PROBABLE RETIREMENT YEAR.. 9-2045
NET SALVAGE PERCENT.. -3

1976	33,158,985.67	21,057,498	20,755,716	13,398,039	20.43	655,802
1977	15,408,386.22	9,695,214	9,556,269	6,314,369	20.58	306,821
1978	39,759.39	24,790	24,435	16,517	20.72	797

AMEREN MISSOURI

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RUSH ISLAND						
INTERIM SURVIVOR CURVE.. IOWA 60-S0.5						
PROBABLE RETIREMENT YEAR.. 9-2045						
NET SALVAGE PERCENT.. -3						
1980	44,894.07	27,444	27,051	19,190	21.00	914
1982	56,617.03	33,873	33,388	24,928	21.28	1,171
1984	5,476.13	3,201	3,155	2,485	21.55	115
1985	10,754.59	6,210	6,121	4,956	21.68	229
1988	322,394.10	178,645	176,085	155,981	22.08	7,064
1991	12,105.58	6,394	6,302	6,166	22.47	274
1993	56,415.70	28,737	28,325	29,783	22.72	1,311
1994	42,404.30	21,168	20,865	22,812	22.85	998
1995	111,149.17	54,321	53,543	60,941	22.97	2,653
1996	671,654.91	320,852	316,254	375,551	23.10	16,258
1997	514,780.75	240,059	236,619	293,606	23.22	12,645
1999	47,621.92	21,053	20,751	28,299	23.46	1,206
2000	384,155.42	164,694	162,334	233,346	23.59	9,892
2001	10,204,405.67	4,234,906	4,174,214	6,336,324	23.71	267,243
2002	12,607,836.83	5,051,192	4,978,802	8,007,270	23.83	336,016
2003	2,909,124.54	1,121,702	1,105,627	1,890,772	23.95	78,947
2004	20,003,550.94	7,401,864	7,295,785	13,307,872	24.06	553,112
2005	11,543,985.67	4,077,542	4,019,105	7,871,200	24.18	325,525
2006	26,889.14	9,027	8,898	18,798	24.30	774
2007	4,580,406.20	1,453,607	1,432,775	3,285,044	24.41	134,578
2008	303,840.75	90,441	89,145	223,811	24.53	9,124
2009	47,486.27	13,160	12,971	35,939	24.64	1,459
2010	20,648,587.32	5,267,031	5,191,547	16,076,498	24.76	649,293
2011	21,192,711.03	4,916,431	4,845,972	16,982,520	24.87	682,852
2012	30,913.71	6,403	6,311	25,530	24.99	1,022
2013	2,154,468.12	389,297	383,718	1,835,384	25.10	73,123
2014	1,499,184.21	229,014	225,732	1,318,428	25.21	52,298
2015	284,248.12	34,928	34,427	258,348	25.32	10,203
2016	5,243,382.54	476,340	469,513	4,931,171	25.43	193,912
2017	920,036.39	52,234	51,485	896,152	25.54	35,088
2018	3,083,408.26	60,723	59,853	3,116,058	25.65	121,484
	168,172,020.66	66,769,995	65,813,092	107,404,089		4,544,203
	699,212,833.96	335,241,225	325,523,872	385,452,297		25,973,267
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						14.8 3.71

AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
COMMON - ALL STEAM PLANTS						
INTERIM SURVIVOR CURVE.. IOWA 75-S0						
PROBABLE RETIREMENT YEAR.. 9-2042						
NET SALVAGE PERCENT.. -2						
2001	3,104,233.98	1,338,213	1,308,001	1,858,318	21.98	84,546
2003	25,740.59	10,355	10,121	16,134	22.08	731
	3,129,974.57	1,348,568	1,318,122	1,874,452		85,277

MERAMEC
INTERIM SURVIVOR CURVE.. IOWA 75-S0
PROBABLE RETIREMENT YEAR.. 9-2022
NET SALVAGE PERCENT.. 0

1952	3,103.28	2,907	2,635	468	3.64	129
1953	3,210,088.37	3,005,317	2,724,078	486,011	3.64	133,520
1954	1,832,960.92	1,714,882	1,554,402	278,559	3.64	76,527
1955	33,319.97	31,152	28,237	5,083	3.64	1,396
1956	11,295.13	10,550	9,563	1,732	3.65	475
1957	5,567.93	5,197	4,711	857	3.65	235
1958	2,051.05	1,913	1,734	317	3.65	87
1959	2,416,224.49	2,251,631	2,040,922	375,302	3.65	102,822
1960	7,614.15	7,089	6,426	1,189	3.65	326
1961	4,042,832.13	3,760,885	3,408,939	633,893	3.65	173,669
1962	46,125.72	42,861	38,850	7,276	3.66	1,988
1963	8,133.84	7,551	6,844	1,289	3.66	352
1964	2,583.30	2,396	2,172	412	3.66	113
1965	7,117.73	6,594	5,977	1,141	3.66	312
1966	435.28	403	365	70	3.66	19
1967	6,734.65	6,226	5,643	1,091	3.66	298
1968	25,540.67	23,577	21,371	4,170	3.67	1,136
1970	1,137.91	1,048	950	188	3.67	51
1972	742.63	682	618	124	3.67	34
1973	3,247.38	2,978	2,699	548	3.67	149
1974	4,124.41	3,775	3,422	703	3.68	191
1975	126,416.63	115,525	104,714	21,703	3.68	5,898
1981	965,649.06	872,049	790,442	175,207	3.69	47,482
1984	10,297.18	9,231	8,367	1,930	3.69	523
1985	23,578.07	21,080	19,107	4,471	3.69	1,212
1986	33,372.74	29,750	26,966	6,407	3.69	1,736
1987	644.37	573	519	125	3.69	34
1988	80,456.75	71,268	64,599	15,858	3.69	4,298
1989	3,002.46	2,649	2,401	601	3.70	162
1990	854,406.48	751,066	680,781	173,626	3.70	46,926

AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MERAMEC						
INTERIM SURVIVOR CURVE.. IOWA 75-S0						
PROBABLE RETIREMENT YEAR.. 9-2022						
NET SALVAGE PERCENT.. 0						
1991	135,851.68	118,945	107,814	28,038	3.70	7,578
1992	127,199.95	110,887	100,510	26,690	3.70	7,214
1993	872,118.52	756,755	685,937	186,181	3.70	50,319
1994	300,263.47	259,253	234,992	65,272	3.70	17,641
1995	1,437,036.88	1,234,012	1,118,532	318,504	3.70	86,082
1996	1,203,783.34	1,027,261	931,129	272,654	3.71	73,492
1997	810,393.83	687,125	622,823	187,570	3.71	50,558
1998	42,246.74	35,571	32,242	10,004	3.71	2,696
1999	1,678,402.08	1,402,389	1,271,153	407,249	3.71	109,771
2000	48,393.54	40,097	36,345	12,049	3.71	3,248
2001	3,747,563.45	3,076,225	2,788,350	959,213	3.71	258,548
2002	4,573,967.15	3,715,616	3,367,907	1,206,061	3.71	325,084
2003	2,856,137.70	2,292,193	2,077,688	778,449	3.72	209,260
2004	2,391,167.55	1,893,948	1,716,711	674,456	3.72	181,305
2005	1,253,843.34	978,499	886,931	366,913	3.72	98,633
2006	3,106,142.63	2,383,499	2,160,450	945,693	3.72	254,219
2007	113,515.61	85,420	77,426	36,089	3.72	9,701
2008	141,954.86	104,423	94,651	47,304	3.72	12,716
2009	1,601,535.44	1,145,530	1,038,331	563,205	3.73	150,993
2010	283,384.42	196,244	177,879	105,505	3.73	28,286
2011	805,099.12	535,769	485,631	319,468	3.73	85,648
2012	8,065,599.19	5,107,460	4,629,501	3,436,098	3.73	921,206
2013	3,413,598.67	2,028,087	1,838,297	1,575,301	3.73	422,333
2014	673,382.39	367,451	333,065	340,318	3.73	91,238
2015	30,988.27	14,936	13,538	17,450	3.74	4,666
2016	28,444.78	11,369	10,305	18,140	3.74	4,850
2017	3,592,544.58	1,028,402	932,164	2,660,381	3.74	711,332
2018	740,331.52	87,300	79,130	661,201	3.74	176,792
	57,843,695.38	43,487,471	39,417,889	18,425,806		4,957,509

SIOUX
INTERIM SURVIVOR CURVE.. IOWA 75-S0
PROBABLE RETIREMENT YEAR.. 9-2033
NET SALVAGE PERCENT.. -1

1967	4,043,295.63	3,095,262	2,315,604	1,768,124	13.40	131,950
1968	4,018,480.99	3,063,643	2,291,950	1,766,716	13.43	131,550
1969	82,531.94	62,664	46,880	36,478	13.45	2,712
1970	66,977.73	50,641	37,885	29,762	13.47	2,210

AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIOUX						
INTERIM SURVIVOR CURVE.. IOWA 75-S0						
PROBABLE RETIREMENT YEAR.. 9-2033						
NET SALVAGE PERCENT.. -1						
1971	15,755.68	11,860	8,873	7,041	13.49	522
1972	1,434.63	1,075	804	645	13.52	48
1973	40,941.53	30,524	22,835	18,516	13.54	1,368
1974	25,391.66	18,836	14,091	11,554	13.56	852
1975	11,696.07	8,631	6,457	5,356	13.58	394
1976	4,232.02	3,106	2,324	1,951	13.60	143
1977	1,719.55	1,255	939	798	13.62	59
1978	1,485.74	1,078	806	694	13.65	51
1980	30,169.52	21,605	16,163	14,308	13.69	1,045
1982	78,821.52	55,655	41,636	37,974	13.73	2,766
1983	31,251.42	21,902	16,385	15,179	13.75	1,104
1984	27,892.56	19,393	14,508	13,663	13.77	992
1985	27,932.00	19,258	14,407	13,804	13.79	1,001
1986	58,693.68	40,113	30,009	29,272	13.81	2,120
1987	157,501.95	106,645	79,782	79,295	13.83	5,734
1988	16,705.22	11,199	8,378	8,494	13.85	613
1989	17,531.74	11,632	8,702	9,005	13.87	649
1991	22,106.28	14,335	10,724	11,603	13.91	834
1992	166,199.87	106,441	79,630	88,232	13.93	6,334
1993	21,200.11	13,398	10,023	11,389	13.95	816
1994	81,749.04	50,930	38,101	44,465	13.97	3,183
1995	368,334.52	226,027	169,094	202,924	13.99	14,505
1996	2,912,158.18	1,757,856	1,315,074	1,626,206	14.01	116,075
1997	2,963,354.74	1,757,573	1,314,862	1,678,126	14.03	119,610
1998	363,118.74	211,310	158,084	208,666	14.05	14,852
1999	374,022.20	213,258	159,541	218,221	14.07	15,510
2000	38,419.84	21,419	16,024	22,780	14.09	1,617
2001	187,142.77	101,830	76,180	112,834	14.11	7,997
2002	3,430,196.56	1,817,892	1,359,988	2,104,511	14.13	148,939
2003	807,781.36	415,427	310,786	505,073	14.16	35,669
2004	4,992,001.41	2,485,819	1,859,672	3,182,249	14.18	224,418
2005	6,770,791.96	3,253,895	2,434,280	4,404,220	14.20	310,156
2006	1,765,380.44	814,918	609,650	1,173,384	14.22	82,516
2007	6,495,960.49	2,868,106	2,145,666	4,415,254	14.24	310,060
2008	1,059,647.29	444,066	332,211	738,032	14.27	51,719
2009	512,384.94	202,553	151,532	365,976	14.29	25,611
2010	78,256,413.37	28,903,764	21,623,267	57,415,710	14.31	4,012,279
2011	330,426.39	112,581	84,223	249,507	14.34	17,399
2012	80,606.36	24,963	18,675	62,737	14.36	4,369
2013	164,370.01	45,177	33,797	132,216	14.39	9,188
2014	4,005,098.94	951,177	711,587	3,333,563	14.41	231,337

AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIOUX						
INTERIM SURVIVOR CURVE.. IOWA 75-S0						
PROBABLE RETIREMENT YEAR.. 9-2033						
NET SALVAGE PERCENT.. -1						
2015	866,387.32	168,754	126,247	748,804	14.44	51,856
2016	621,780.40	91,568	68,503	559,495	14.47	38,666
2017	1,309,073.73	123,199	92,167	1,229,998	14.50	84,827
2018	98,448.24	3,308	2,475	96,958	14.53	6,673
	127,824,998.28	53,857,521	40,291,485	88,811,763		6,234,898

LABADIE
INTERIM SURVIVOR CURVE.. IOWA 75-S0
PROBABLE RETIREMENT YEAR.. 9-2042
NET SALVAGE PERCENT.. -2

1970	9,794,059.45	6,518,636	6,990,552	2,999,389	20.39	147,101
1971	4,804,054.28	3,177,738	3,407,790	1,492,345	20.44	73,011
1972	9,071,528.80	5,960,386	6,391,887	2,861,072	20.50	139,564
1973	6,579,247.20	4,293,926	4,604,784	2,106,048	20.55	102,484
1974	81,883.41	53,054	56,895	26,626	20.61	1,292
1977	14,104.26	8,932	9,579	4,808	20.77	231
1979	175,810.30	109,477	117,403	61,924	20.87	2,967
1980	324,190.27	200,051	214,534	116,140	20.92	5,552
1981	56,422.93	34,493	36,990	20,561	20.97	980
1982	5,213.95	3,155	3,383	1,935	21.03	92
1983	2,857,476.90	1,711,556	1,835,464	1,079,163	21.08	51,194
1984	897,944.18	532,066	570,585	345,318	21.13	16,343
1985	194,295.55	113,843	122,085	76,097	21.18	3,593
1986	906,604.29	524,899	562,899	361,837	21.23	17,044
1987	6,310.99	3,608	3,869	2,568	21.28	121
1988	2,712,190.91	1,530,392	1,641,185	1,125,250	21.33	52,754
1989	3,101,649.25	1,726,073	1,851,032	1,312,650	21.38	61,396
1991	516,854.08	279,021	299,221	227,970	21.48	10,613
1992	192,178.50	102,069	109,458	86,564	21.53	4,021
1993	2,265,485.12	1,182,318	1,267,912	1,042,883	21.58	48,326
1994	3,192,711.50	1,635,415	1,753,811	1,502,755	21.63	69,475
1995	1,275,602.18	640,656	687,036	614,078	21.68	28,325
1996	1,826,848.97	898,394	963,433	899,953	21.73	41,415
1997	77,965.33	37,474	40,187	39,338	21.78	1,806
1998	96,254.68	45,168	48,438	49,742	21.83	2,279
1999	1,820,361.04	832,148	892,391	964,377	21.88	44,076
2000	1,724,299.79	766,250	821,723	937,063	21.93	42,730
2001	640,370.46	276,059	296,044	357,134	21.98	16,248

AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
LABADIE						
INTERIM SURVIVOR CURVE.. IOWA 75-S0						
PROBABLE RETIREMENT YEAR.. 9-2042						
NET SALVAGE PERCENT.. -2						
2002	1,941,518.14	809,784	868,408	1,111,940	22.03	50,474
2003	1,343,991.74	540,672	579,814	791,058	22.08	35,827
2004	1,977,184.64	764,259	819,587	1,197,141	22.14	54,071
2005	2,490,904.21	921,571	988,288	1,552,434	22.19	69,961
2006	346,762.20	122,270	131,122	222,576	22.24	10,008
2007	672,626.16	224,554	240,811	445,268	22.30	19,967
2008	7,613,831.11	2,393,980	2,567,292	5,198,816	22.35	232,609
2009	911,152.37	267,140	286,480	642,896	22.41	28,688
2010	899,162.93	243,750	261,396	655,750	22.46	29,196
2011	60,698.55	15,015	16,102	45,811	22.52	2,034
2012	19,998,878.02	4,433,283	4,754,230	15,644,626	22.58	692,853
2013	3,223,331.37	626,523	671,880	2,615,918	22.64	115,544
2014	6,493,128.05	1,073,256	1,150,954	5,472,036	22.70	241,059
2015	36,714.01	4,890	5,244	32,204	22.77	1,414
2016	3,212,981.23	318,646	341,714	2,935,527	22.84	128,526
2017	1,124,827.72	69,620	74,660	1,072,664	22.91	46,821
2018	9,972,178.23	216,554	232,231	9,939,390	22.98	432,523
	117,531,789.25	46,243,024	49,590,782	70,291,643		3,176,608

RUSH ISLAND

INTERIM SURVIVOR CURVE.. IOWA 75-S0
PROBABLE RETIREMENT YEAR.. 9-2045
NET SALVAGE PERCENT.. -2

1976	11,488,373.58	7,019,401	7,876,361	3,841,780	22.88	167,910
1977	5,245,810.44	3,178,225	3,566,237	1,784,490	22.94	77,789
1979	14,870.22	8,847	9,927	5,241	23.07	227
1980	5,304.80	3,125	3,507	1,904	23.14	82
1981	80,169.12	46,758	52,466	29,306	23.20	1,263
1982	1,339.29	773	867	499	23.27	21
1984	61,645.51	34,779	39,025	23,853	23.39	1,020
1985	6,248.05	3,482	3,907	2,466	23.46	105
1987	10,740.56	5,832	6,544	4,411	23.58	187
1992	5,621.36	2,822	3,167	2,567	23.89	107
1993	84,061.07	41,428	46,486	39,257	23.95	1,639
1994	95,124.63	45,951	51,561	45,466	24.02	1,893
1995	1,120,400.88	530,195	594,924	547,885	24.08	22,753
1996	2,625,676.83	1,215,149	1,363,500	1,314,691	24.14	54,461
1997	154,361.96	69,756	78,272	79,177	24.20	3,272

AMEREN MISSOURI

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RUSH ISLAND						
INTERIM SURVIVOR CURVE.. IOWA 75-S0						
PROBABLE RETIREMENT YEAR.. 9-2045						
NET SALVAGE PERCENT.. -2						
1998	4,525.00	1,993	2,236	2,379	24.27	98
1999	169,650.50	72,706	81,582	91,461	24.33	3,759
2000	35,227.63	14,656	16,445	19,487	24.39	799
2001	1,763,013.01	710,318	797,037	1,001,236	24.46	40,934
2002	1,723,840.18	670,956	752,869	1,005,448	24.52	41,005
2003	86,331.44	32,337	36,285	51,773	24.59	2,105
2004	5,628,659.57	2,023,842	2,270,922	3,470,311	24.65	140,783
2005	47,499.02	16,314	18,306	30,143	24.72	1,219
2006	201,949.01	65,988	74,044	131,944	24.78	5,325
2007	6,582,758.99	2,034,132	2,282,468	4,431,946	24.85	178,348
2008	221,395.88	64,206	72,045	153,779	24.92	6,171
2009	2,180,443.28	588,885	660,779	1,563,273	24.99	62,556
2010	2,093,674.09	521,159	584,784	1,550,763	25.06	61,882
2011	3,302,376.61	748,531	839,915	2,528,509	25.13	100,617
2012	2,827,936.95	572,313	642,184	2,242,312	25.21	88,945
2013	1,684,177.12	298,203	334,609	1,383,252	25.28	54,717
2014	3,401,432.74	509,976	572,236	2,897,225	25.36	114,244
2015	103,394.64	12,466	13,988	91,475	25.44	3,596
2016	645,760.38	57,693	64,736	593,939	25.52	23,273
2017	302,732.39	16,869	18,928	289,859	25.61	11,318
2018	2,052,959.42	39,179	43,962	2,050,056	25.70	79,769
	56,059,486.15	21,279,245	23,877,111	33,303,565		1,354,192
	362,389,943.63	166,215,829	154,495,389	212,707,229		15,808,484
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						13.5 4.36

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
COMMON - ALL STEAM PLANTS						
INTERIM SURVIVOR CURVE.. IOWA 40-L0						
PROBABLE RETIREMENT YEAR.. 9-2042						
NET SALVAGE PERCENT.. 0						
2001	17,331.45	6,869	6,124	11,207	18.26	614
	17,331.45	6,869	6,124	11,207		614
MERAMEC						
INTERIM SURVIVOR CURVE.. IOWA 40-L0						
PROBABLE RETIREMENT YEAR.. 9-2022						
NET SALVAGE PERCENT.. 0						
1952	27,062.99	24,617	13,646	13,417	3.43	3,912
1953	38,955.04	35,422	19,636	19,319	3.43	5,632
1954	21,452.60	19,494	10,806	10,646	3.44	3,095
1955	225.38	205	114	112	3.44	33
1956	1,956.28	1,776	985	972	3.44	283
1959	355.75	322	178	177	3.46	51
1960	25,565.75	23,152	12,834	12,732	3.46	3,680
1961	1,580.89	1,430	793	788	3.47	227
1962	37,639.06	34,035	18,867	18,772	3.47	5,410
1963	252.60	228	126	126	3.48	36
1964	1,487.19	1,343	744	743	3.48	214
1965	1,620.47	1,461	810	811	3.49	232
1967	1,591.52	1,433	794	797	3.49	228
1968	2,323.72	2,090	1,159	1,165	3.50	333
1969	2,844.26	2,556	1,417	1,427	3.50	408
1971	2,472.24	2,216	1,228	1,244	3.51	354
1972	2,565.32	2,297	1,273	1,292	3.51	368
1973	243.24	218	121	122	3.52	35
1975	4,591.52	4,094	2,269	2,322	3.53	658
1976	18,233.44	16,237	9,001	9,233	3.53	2,616
1977	24,075.97	21,409	11,868	12,208	3.53	3,458
1978	19,930.99	17,690	9,806	10,125	3.54	2,860
1979	33,500.71	29,686	16,456	17,044	3.54	4,815
1980	9,192.31	8,132	4,508	4,684	3.54	1,323
1981	17,563.28	15,502	8,593	8,970	3.55	2,527
1982	112,879.67	99,441	55,125	57,755	3.55	16,269
1983	43,146.46	37,930	21,026	22,120	3.55	6,231
1984	117,534.88	103,057	57,129	60,406	3.56	16,968
1985	73,431.73	64,234	35,608	37,824	3.56	10,625
1986	31,830.13	27,773	15,396	16,434	3.56	4,616
1987	97,718.64	84,996	47,117	50,602	3.57	14,174

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MERAMEC						
INTERIM SURVIVOR CURVE.. IOWA 40-L0						
PROBABLE RETIREMENT YEAR.. 9-2022						
NET SALVAGE PERCENT.. 0						
1988	38,442.06	33,338	18,481	19,961	3.57	5,591
1989	172,570.28	149,199	82,708	89,863	3.57	25,172
1990	84,140.92	72,470	40,173	43,968	3.58	12,282
1991	91,726.96	78,716	43,636	48,091	3.58	13,433
1992	137,243.79	117,320	65,036	72,208	3.58	20,170
1993	514,941.54	438,107	242,862	272,079	3.59	75,788
1994	158,230.51	134,007	74,286	83,945	3.59	23,383
1995	308,584.27	260,038	144,151	164,434	3.59	45,803
1996	422,632.72	354,035	196,257	226,375	3.60	62,882
1997	206,894.30	172,283	95,504	111,390	3.60	30,942
1998	161,090.42	133,277	73,881	87,209	3.60	24,225
1999	185,393.08	152,195	84,368	101,025	3.61	27,985
2000	227,742.24	185,473	102,816	124,926	3.61	34,606
2001	240,647.40	194,265	107,690	132,958	3.61	36,830
2002	273,844.84	218,923	121,359	152,486	3.61	42,240
2003	359,279.45	283,881	157,368	201,912	3.62	55,777
2004	312,652.83	243,976	135,247	177,406	3.62	49,007
2005	472,472.36	363,534	201,523	270,949	3.62	74,848
2006	271,881.58	205,646	113,999	157,883	3.63	43,494
2007	310,437.42	230,404	127,723	182,714	3.63	50,334
2008	595,668.74	432,152	239,561	356,108	3.64	97,832
2009	973,829.45	688,196	381,497	592,332	3.64	162,729
2010	121,268.46	82,945	45,980	75,288	3.65	20,627
2011	154,729.18	101,849	56,459	98,270	3.65	26,923
2012	300,654.18	188,255	104,358	196,296	3.66	53,633
2013	616,238.61	362,533	200,968	415,271	3.66	113,462
2014	83,686.25	45,199	25,056	58,630	3.67	15,975
2015	186,769.52	89,543	49,638	137,132	3.67	37,366
2016	468,529.06	186,339	103,296	365,233	3.68	99,248
2017	365,751.48	104,195	57,760	307,992	3.69	83,467
2018	451,123.87	52,759	29,247	421,877	3.70	114,021
	10,042,921.80	7,039,528	3,902,321	6,140,601		1,691,746

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIOUX						
INTERIM SURVIVOR CURVE.. IOWA 40-L0						
PROBABLE RETIREMENT YEAR.. 9-2033						
NET SALVAGE PERCENT.. 0						
1967	267,521.27	188,038	94,747	172,774	11.10	15,565
1968	83,511.92	58,481	29,467	54,045	11.15	4,847
1969	6,867.52	4,790	2,414	4,454	11.20	398
1970	10,378.34	7,209	3,632	6,746	11.25	600
1971	12,762.16	8,827	4,448	8,314	11.30	736
1972	4,840.88	3,333	1,679	3,161	11.35	279
1973	27,167.91	18,629	9,387	17,781	11.39	1,561
1974	25,263.60	17,242	8,688	16,576	11.44	1,449
1975	12,844.18	8,722	4,395	8,449	11.49	735
1976	46,019.72	31,085	15,663	30,357	11.54	2,631
1977	11,513.24	7,737	3,898	7,615	11.58	658
1978	17,869.80	11,942	6,017	11,853	11.63	1,019
1979	16,939.92	11,258	5,673	11,267	11.67	965
1980	64,295.76	42,460	21,394	42,901	11.72	3,660
1981	33,099.85	21,725	10,947	22,153	11.76	1,884
1982	66,402.20	43,283	21,809	44,593	11.81	3,776
1983	59,139.60	38,289	19,293	39,847	11.85	3,363
1984	42,125.65	27,067	13,638	28,487	11.90	2,394
1985	140,766.69	89,757	45,226	95,540	11.94	8,002
1986	74,638.04	47,187	23,776	50,862	11.99	4,242
1987	48,835.98	30,613	15,425	33,411	12.03	2,777
1988	19,277.80	11,977	6,035	13,243	12.07	1,097
1989	122,921.56	75,612	38,099	84,823	12.12	6,999
1990	41,979.26	25,560	12,879	29,100	12.16	2,393
1991	172,476.91	103,891	52,348	120,129	12.20	9,847
1992	145,238.46	86,471	43,570	101,668	12.24	8,306
1993	138,952.53	81,732	41,183	97,770	12.28	7,962
1994	228,633.97	132,695	66,862	161,772	12.32	13,131
1995	205,206.62	117,372	59,141	146,066	12.37	11,808
1996	190,665.24	107,409	54,121	136,545	12.41	11,003
1997	293,823.98	162,849	82,055	211,769	12.45	17,010
1998	53,278.98	29,010	14,617	38,662	12.49	3,095
1999	282,083.18	150,641	75,904	206,179	12.53	16,455
2000	104,751.03	54,799	27,612	77,139	12.57	6,137
2001	59,777.19	30,572	15,404	44,373	12.61	3,519
2002	199,927.24	99,726	50,249	149,678	12.65	11,832
2003	56,020.96	27,193	13,702	42,319	12.69	3,335
2004	293,925.14	138,412	69,742	224,183	12.73	17,611
2005	151,604.38	69,047	34,791	116,813	12.77	9,147
2006	323,357.08	141,698	71,398	251,959	12.82	19,654
2007	932,222.26	391,720	197,378	734,845	12.86	57,142

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIOUX						
INTERIM SURVIVOR CURVE.. IOWA 40-L0						
PROBABLE RETIREMENT YEAR.. 9-2033						
NET SALVAGE PERCENT.. 0						
2008	966,726.27	386,778	194,887	771,839	12.91	59,786
2009	242,331.92	91,703	46,207	196,125	12.96	15,133
2010	1,460,187.48	517,155	260,581	1,199,606	13.02	92,136
2011	260,792.15	85,545	43,104	217,688	13.07	16,656
2012	1,147,104.17	342,973	172,815	974,289	13.13	74,203
2013	911,833.83	243,159	122,522	789,312	13.20	59,796
2014	993,994.18	229,911	115,846	878,148	13.26	66,225
2015	178,230.65	33,958	17,111	161,120	13.34	12,078
2016	1,266,001.80	183,849	92,637	1,173,365	13.42	87,434
2017	225,721.90	21,209	10,687	215,035	13.50	15,929
2018	1,022,609.79	34,135	17,200	1,005,410	13.61	73,873
	13,764,462.14	4,926,435	2,482,303	11,282,159		872,273

LABADIE
INTERIM SURVIVOR CURVE.. IOWA 40-L0
PROBABLE RETIREMENT YEAR.. 9-2042
NET SALVAGE PERCENT.. 0

1970	907,591.23	544,645	406,893	500,698	15.28	32,768
1971	498,156.91	296,956	221,850	276,307	15.38	17,965
1972	953,123.51	564,335	421,603	531,520	15.48	34,336
1973	489,661.04	287,945	215,118	274,543	15.58	17,622
1974	33,270.16	19,421	14,509	18,761	15.68	1,196
1975	21,793.96	12,628	9,434	12,360	15.78	783
1976	61,105.50	35,133	26,247	34,858	15.88	2,195
1977	19,621.97	11,193	8,362	11,260	15.98	705
1978	32,420.91	18,339	13,701	18,720	16.08	1,164
1979	52,604.02	29,500	22,039	30,565	16.18	1,889
1980	242,339.20	134,692	100,626	141,714	16.28	8,705
1981	58,096.54	31,989	23,898	34,198	16.38	2,088
1982	139,910.11	76,286	56,992	82,918	16.48	5,031
1983	199,407.80	107,646	80,420	118,988	16.58	7,177
1984	133,437.82	71,304	53,270	80,168	16.67	4,809
1985	175,310.22	92,634	69,205	106,105	16.77	6,327
1986	180,684.42	94,359	70,494	110,191	16.87	6,532
1987	78,502.76	40,528	30,278	48,225	16.96	2,843
1988	29,835.47	15,205	11,359	18,476	17.06	1,083
1989	136,586.23	68,708	51,330	85,256	17.15	4,971
1990	261,250.49	129,557	96,789	164,461	17.25	9,534

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
LABADIE						
INTERIM SURVIVOR CURVE.. IOWA 40-L0						
PROBABLE RETIREMENT YEAR.. 9-2042						
NET SALVAGE PERCENT.. 0						
1991	307,828.88	150,467	112,411	195,418	17.34	11,270
1992	356,644.66	171,689	128,265	228,379	17.43	13,103
1993	624,621.11	295,708	220,918	403,704	17.53	23,029
1994	524,879.23	244,200	182,437	342,442	17.62	19,435
1995	375,604.50	171,557	128,167	247,438	17.71	13,972
1996	101,883.52	45,601	34,068	67,816	17.81	3,808
1997	193,204.76	84,689	63,269	129,935	17.90	7,259
1998	154,459.59	66,218	49,470	104,989	17.99	5,836
1999	122,719.87	51,353	38,365	84,355	18.08	4,666
2000	251,639.45	102,609	76,657	174,982	18.17	9,630
2001	383,373.23	151,954	113,522	269,851	18.26	14,778
2002	288,670.90	111,034	82,951	205,720	18.35	11,211
2003	271,213.70	100,780	75,291	195,923	18.45	10,619
2004	501,442.49	179,757	134,293	367,150	18.54	19,803
2005	565,060.88	194,449	145,269	419,792	18.64	22,521
2006	785,863.86	258,581	193,181	592,683	18.74	31,627
2007	587,538.22	183,847	137,348	450,190	18.84	23,895
2008	469,440.16	138,616	103,557	365,883	18.95	19,308
2009	521,271.86	144,356	107,845	413,426	19.06	21,691
2010	500,784.79	128,832	96,248	404,537	19.17	21,103
2011	530,255.94	125,003	93,387	436,869	19.29	22,647
2012	663,600.42	141,281	105,548	558,052	19.41	28,751
2013	178,825.20	33,594	25,097	153,728	19.54	7,867
2014	788,336.32	126,741	94,686	693,651	19.68	35,246
2015	1,021,410.20	133,835	99,985	921,425	19.83	46,466
2016	1,523,087.72	149,704	111,841	1,411,247	20.00	70,562
2017	352,550.62	21,953	16,401	336,150	20.18	16,658
2018	480,475.05	10,830	8,091	472,384	20.38	23,179
	18,131,397.40	6,402,241	4,782,986	13,348,411		729,663

RUSH ISLAND
INTERIM SURVIVOR CURVE.. IOWA 40-L0
PROBABLE RETIREMENT YEAR.. 9-2045
NET SALVAGE PERCENT.. 0

1942	7,822.56	5,323	3,062	4,760	12.74	374
1943	330.94	224	129	202	12.87	16
1959	60,279.56	37,445	21,541	38,739	14.91	2,598
1975	3,678.87	2,044	1,176	2,503	16.86	148

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RUSH ISLAND						
INTERIM SURVIVOR CURVE.. IOWA 40-L0						
PROBABLE RETIREMENT YEAR.. 9-2045						
NET SALVAGE PERCENT.. 0						
1976	1,336,196.48	736,284	423,553	912,643	16.98	53,748
1977	470,223.72	256,893	147,780	322,444	17.09	18,867
1978	100,691.72	54,505	31,354	69,337	17.21	4,029
1979	70,281.46	37,680	21,676	48,606	17.33	2,805
1980	26,627.56	14,137	8,132	18,495	17.45	1,060
1981	72,968.66	38,337	22,054	50,915	17.57	2,898
1982	71,107.90	36,983	21,275	49,833	17.68	2,819
1983	85,236.29	43,839	25,219	60,018	17.80	3,372
1984	66,322.18	33,734	19,406	46,916	17.91	2,620
1985	49,618.91	24,933	14,343	35,276	18.03	1,957
1986	182,267.53	90,450	52,032	130,235	18.15	7,175
1987	23,152.90	11,344	6,526	16,627	18.26	911
1988	12,753.82	6,165	3,546	9,207	18.37	501
1989	25,874.34	12,325	7,090	18,784	18.49	1,016
1990	16,149.11	7,582	4,362	11,788	18.60	634
1991	24,440.90	11,289	6,494	17,947	18.72	959
1992	83,331.57	37,863	21,781	61,551	18.83	3,269
1993	116,955.98	52,223	30,042	86,914	18.94	4,589
1994	74,365.03	32,600	18,753	55,612	19.05	2,919
1995	57,506.64	24,707	14,213	43,294	19.17	2,258
1996	93,210.14	39,227	22,566	70,644	19.28	3,664
1997	50,661.51	20,849	11,994	38,668	19.39	1,994
1998	142,403.08	57,223	32,918	109,485	19.50	5,615
1999	160,392.68	62,834	36,146	124,247	19.61	6,336
2000	129,655.02	49,430	28,435	101,220	19.72	5,133
2001	376,471.13	139,400	80,191	296,280	19.83	14,941
2002	310,583.65	111,388	64,077	246,507	19.94	12,362
2003	240,569.14	83,273	47,903	192,666	20.06	9,604
2004	536,871.18	178,896	102,911	433,960	20.17	21,515
2005	461,209.64	147,393	84,789	376,421	20.29	18,552
2006	704,288.87	214,695	123,505	580,784	20.41	28,456
2007	96,576.90	27,971	16,091	80,486	20.53	3,920
2008	149,356.60	40,782	23,460	125,896	20.66	6,094
2009	275,006.03	70,303	40,442	234,564	20.79	11,283
2010	301,725.11	71,415	41,082	260,643	20.93	12,453
2011	654,107.20	141,575	81,442	572,665	21.07	27,179
2012	789,229.27	153,892	88,528	700,702	21.22	33,021
2013	1,091,996.19	187,856	108,066	983,931	21.37	46,043
2014	2,113,869.28	309,872	178,256	1,935,613	21.54	89,861
2015	404,520.19	48,227	27,743	376,777	21.72	17,347

AMEREN MISSOURI

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RUSH ISLAND						
INTERIM SURVIVOR CURVE.. IOWA 40-L0						
PROBABLE RETIREMENT YEAR.. 9-2045						
NET SALVAGE PERCENT.. 0						
2016	484,637.29	43,307	24,913	459,725	21.91	20,982
2017	1,132,284.34	64,223	36,945	1,095,340	22.12	49,518
2018	664,373.96	13,394	7,705	656,669	22.36	29,368
	14,402,183.03	3,886,334	2,235,645	12,166,538		596,783
	56,358,295.82	22,261,407	13,409,379	42,948,916		3,891,079
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						11.0 6.90

AMEREN MISSOURI

ACCOUNT 316.21 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MERAMEC						
SURVIVOR CURVE.. 20-SQUARE						
NET SALVAGE PERCENT.. 0						
1999	1,487.75	1,451	1,362	126	0.50	126
2000	20,855.33	19,291	18,106	2,750	1.50	1,833
2001	47,546.50	41,603	39,046	8,500	2.50	3,400
2002	10,850.34	8,952	8,402	2,448	3.50	699
2003	1,625.29	1,260	1,183	443	4.50	98
2004	611.53	443	416	196	5.50	36
2005	1,219.78	823	772	447	6.50	69
2006	6,877.38	4,298	4,034	2,844	7.50	379
2007	36,794.46	21,157	19,857	16,938	8.50	1,993
2008	86,552.81	45,440	42,648	43,905	9.50	4,622
2009	64,123.25	30,459	28,587	35,536	10.50	3,384
2010	30,552.33	12,985	12,187	18,365	11.50	1,597
2011	27,361.25	10,260	9,629	17,732	12.50	1,419
2012	104,406.99	33,932	31,847	72,560	13.50	5,375
2013	542.40	149	140	403	14.50	28
2014	11,299.43	2,542	2,386	8,914	15.50	575
2017	5,399.94	405	380	5,020	18.50	271
2018	20,851.41	521	489	20,362	19.50	1,044
	478,958.17	235,971	221,470	257,488		26,948

SIOUX
SURVIVOR CURVE.. 20-SQUARE
NET SALVAGE PERCENT.. 0

1999	549.90	536	490	60	0.50	60
2000	10,843.61	10,030	9,162	1,682	1.50	1,121
2001	18,851.42	16,495	15,067	3,784	2.50	1,514
2002	794.82	656	599	196	3.50	56
2005	95,929.12	64,752	59,148	36,781	6.50	5,659
2008	22,370.48	11,745	10,729	11,642	9.50	1,225
2009	10,176.71	4,834	4,416	5,761	10.50	549
2010	81,027.90	34,437	31,457	49,571	11.50	4,311
2011	13,073.74	4,903	4,479	8,595	12.50	688
2012	81,099.30	26,357	24,076	57,023	13.50	4,224
2013	7,533.99	2,072	1,893	5,641	14.50	389
2014	22,486.93	5,060	4,622	17,865	15.50	1,153
2015	35,912.16	6,285	5,741	30,171	16.50	1,829

AMEREN MISSOURI

ACCOUNT 316.21 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIOUX						
SURVIVOR CURVE.. 20-SQUARE						
NET SALVAGE PERCENT.. 0						
2016	558,349.53	69,794	63,754	494,596	17.50	28,263
2017	99,421.29	7,457	6,812	92,610	18.50	5,006
2018	95,080.68	2,377	2,171	92,909	19.50	4,765
	1,153,501.58	267,790	244,615	908,887		60,812

LABADIE
SURVIVOR CURVE.. 20-SQUARE
NET SALVAGE PERCENT.. 0

1999	24,561.66	23,948	22,281	2,280	0.50	2,280
2000	5,955.22	5,509	5,126	830	1.50	553
2001	16,569.47	14,498	13,489	3,080	2.50	1,232
2002	7,991.19	6,593	6,134	1,857	3.50	531
2003	6,679.27	5,176	4,816	1,863	4.50	414
2004	23,427.11	16,985	15,803	7,624	5.50	1,386
2005	1,720.41	1,161	1,080	640	6.50	98
2006	11,320.11	7,075	6,583	4,737	7.50	632
2007	11,126.18	6,398	5,953	5,173	8.50	609
2008	28,610.87	15,021	13,976	14,635	9.50	1,541
2009	53,246.99	25,292	23,532	29,715	10.50	2,830
2010	19,681.87	8,365	7,783	11,899	11.50	1,035
2011	19,627.55	7,360	6,848	12,780	12.50	1,022
2012	295,477.61	96,030	89,347	206,130	13.50	15,269
2013	9,961.59	2,739	2,548	7,413	14.50	511
2014	11,487.07	2,585	2,405	9,082	15.50	586
2015	25,964.70	4,544	4,228	21,737	16.50	1,317
2016	24,476.87	3,060	2,847	21,630	17.50	1,236
2017	55,368.74	4,153	3,864	51,505	18.50	2,784
2018	32,227.53	806	750	31,478	19.50	1,614
	685,482.01	257,298	239,393	446,089		37,480

RUSH ISLAND
SURVIVOR CURVE.. 20-SQUARE
NET SALVAGE PERCENT.. 0

1999	730.43	712	668	62	0.50	62
2000	4,004.86	3,704	3,477	528	1.50	352
2001	3,780.44	3,308	3,105	675	2.50	270
2002	113,342.09	93,507	87,780	25,562	3.50	7,303

AMEREN MISSOURI

ACCOUNT 316.21 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RUSH ISLAND						
SURVIVOR CURVE.. 20-SQUARE						
NET SALVAGE PERCENT.. 0						
2003	67,109.24	52,010	48,825	18,285	4.50	4,063
2004	45,640.84	33,090	31,063	14,578	5.50	2,651
2005	1,360.60	918	862	499	6.50	77
2008	41,836.40	21,964	20,619	21,218	9.50	2,233
2009	25,589.66	12,155	11,411	14,179	10.50	1,350
2010	58,220.62	24,744	23,228	34,992	11.50	3,043
2011	37,456.20	14,046	13,186	24,270	12.50	1,942
2012	16,691.75	5,425	5,093	11,599	13.50	859
2013	8,634.92	2,375	2,230	6,405	14.50	442
2014	17,928.60	4,034	3,787	14,142	15.50	912
2015	7,413.22	1,297	1,218	6,196	16.50	376
2017	1,165.93	87	82	1,084	18.50	59
2018	97,508.79	2,438	2,289	95,220	19.50	4,883
	548,414.59	275,814	258,921	289,494		30,877
	2,866,356.35	1,036,873	964,399	1,901,958		156,117
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						12.2 5.45

AMEREN MISSOURI

ACCOUNT 316.22 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MERAMEC						
SURVIVOR CURVE.. 15-SQUARE						
NET SALVAGE PERCENT.. 0						
2004	5,682.11	5,493	4,940	742	0.50	742
2005	28,000.04	25,200	22,661	5,339	1.50	3,559
2006	38,458.04	32,048	28,820	9,638	2.50	3,855
2007	6,086.48	4,666	4,196	1,891	3.50	540
2008	31,209.57	21,847	19,646	11,563	4.50	2,570
2009	36,275.06	22,974	20,660	15,615	5.50	2,839
2010	78,434.82	44,447	39,970	38,465	6.50	5,918
2011	33,372.27	16,686	15,005	18,367	7.50	2,449
2012	23,289.12	10,092	9,075	14,214	8.50	1,672
2013	17,158.93	6,292	5,658	11,501	9.50	1,211
2014	8,805.08	2,642	2,376	6,429	10.50	612
2015	8,547.78	1,994	1,793	6,755	11.50	587
2016	11,869.85	1,978	1,779	10,091	12.50	807
2018	21,924.56	731	657	21,267	14.50	1,467
	349,113.71	197,090	177,236	171,878		28,828

SIOUX
SURVIVOR CURVE.. 15-SQUARE
NET SALVAGE PERCENT.. 0

2004	31,975.58	30,910	31,976			
2005	25,415.98	22,874	25,416			
2006	27,389.76	22,825	27,390			
2007	3,611.67	2,769	3,612			
2009	31,146.45	19,726	31,146			
2010	167,279.09	94,792	164,172	3,107	6.50	478
2011	26,144.70	13,072	22,640	3,505	7.50	467
2012	11,122.86	4,820	8,348	2,775	8.50	326
2013	3,102.83	1,138	1,971	1,132	9.50	119
2014	28,549.49	8,565	14,834	13,716	10.50	1,306
2015	10,467.85	2,442	4,229	6,238	11.50	542
2016	12,415.56	2,069	3,583	8,832	12.50	707
2017	15,313.10	1,531	2,652	12,662	13.50	938
2018	10,216.84	341	591	9,626	14.50	664
	404,151.76	227,874	342,559	61,593		5,547

AMEREN MISSOURI

ACCOUNT 316.22 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
LABADIE						
SURVIVOR CURVE.. 15-SQUARE						
NET SALVAGE PERCENT.. 0						
2004	21,186.88	20,481	20,190	996	0.50	996
2005	54,050.91	48,646	47,956	6,095	1.50	4,063
2006	13,629.30	11,358	11,197	2,432	2.50	973
2007	39,895.04	30,586	30,152	9,743	3.50	2,784
2008	2,513.03	1,759	1,734	779	4.50	173
2009	30,754.69	19,478	19,202	11,553	5.50	2,101
2010	30,033.46	17,019	16,778	13,256	6.50	2,039
2011	64,103.13	32,052	31,597	32,506	7.50	4,334
2012	29,680.59	12,861	12,679	17,002	8.50	2,000
2013	2,761.34	1,013	999	1,763	9.50	186
2014	16,254.75	4,876	4,807	11,448	10.50	1,090
2015	10,049.90	2,345	2,312	7,738	11.50	673
2016	84,493.45	14,083	13,883	70,610	12.50	5,649
2017	22,254.53	2,225	2,193	20,061	13.50	1,486
2018	52,686.83	1,756	1,731	50,956	14.50	3,514
	474,347.83	220,538	217,409	256,939		32,061

RUSH ISLAND
SURVIVOR CURVE.. 15-SQUARE
NET SALVAGE PERCENT.. 0

2004	18,759.75	18,134	18,760			
2005	7,899.70	7,110	7,900			
2006	13,255.06	11,046	13,255			
2007	7,274.56	5,577	7,275			
2008	6,890.59	4,823	6,891			
2009	5,243.33	3,321	5,079	164	5.50	30
2010	122,761.85	69,565	106,387	16,375	6.50	2,519
2011	8,784.86	4,392	6,717	2,068	7.50	276
2012	59,605.47	25,829	39,501	20,105	8.50	2,365
2013	24,879.02	9,122	13,950	10,929	9.50	1,150
2014	35,860.88	10,758	16,452	19,408	10.50	1,848
2015	15,228.25	3,553	5,434	9,795	11.50	852

AMEREN MISSOURI

ACCOUNT 316.22 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RUSH ISLAND						
SURVIVOR CURVE.. 15-SQUARE						
NET SALVAGE PERCENT.. 0						
2016	76,074.85	12,679	19,390	56,685	12.50	4,535
2017	17,778.41	1,778	2,719	15,059	13.50	1,115
2018	51,475.69	1,716	2,624	48,851	14.50	3,369
	471,772.27	189,403	272,333	199,439		18,059
	1,699,385.57	834,905	1,009,537	689,849		84,495
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 8.2						4.97

AMEREN MISSOURI

ACCOUNT 316.23 MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MERAMEC						
SURVIVOR CURVE.. 5-SQUARE						
NET SALVAGE PERCENT.. 0						
2014	60,683.32	54,615	10,507	50,176	0.50	50,176
2016	34,364.87	17,182	3,306	31,059	2.50	12,424
2017	121,034.33	36,310	6,985	114,049	3.50	32,585
2018	44,845.28	4,485	863	43,982	4.50	9,774
	260,927.80	112,592	21,661	239,267		104,959
SIOUX						
SURVIVOR CURVE.. 5-SQUARE						
NET SALVAGE PERCENT.. 0						
2014	249,640.08	224,676	212,648	36,992	0.50	36,992
2015	1,815.10	1,271	1,203	612	1.50	408
2016	111,218.06	55,609	52,632	58,586	2.50	23,434
2017	44,726.07	13,418	12,700	32,026	3.50	9,150
2018	98,084.49	9,808	9,283	88,802	4.50	19,734
	505,483.80	304,782	288,466	217,018		89,718
LABADIE						
SURVIVOR CURVE.. 5-SQUARE						
NET SALVAGE PERCENT.. 0						
2014	113,154.03	101,839	60,673	52,481	0.50	52,481
2015	75,955.43	53,169	31,677	44,279	1.50	29,519
2016	51,744.27	25,872	15,414	36,330	2.50	14,532
2017	1,118,968.41	335,691	199,997	918,971	3.50	262,563
2018	194,482.01	19,448	11,587	182,895	4.50	40,643
	1,554,304.15	536,019	319,348	1,234,956		399,738
RUSH ISLAND						
SURVIVOR CURVE.. 5-SQUARE						
NET SALVAGE PERCENT.. 0						
2014	71,865.85	64,679	51,799	20,067	0.50	20,067
2015	8,757.05	6,130	4,909	3,848	1.50	2,565

AMEREN MISSOURI

ACCOUNT 316.23 MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RUSH ISLAND						
SURVIVOR CURVE.. 5-SQUARE						
NET SALVAGE PERCENT.. 0						
2016	84,567.09	42,284	33,864	50,703	2.50	20,281
2017	127,432.58	38,230	30,617	96,816	3.50	27,662
2018	1,012,539.40	101,254	81,090	931,449	4.50	206,989
	1,305,161.97	252,577	202,279	1,102,883		277,564
	3,625,877.72	1,205,970	831,754	2,794,124		871,979
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 3.2						24.05

AMEREN MISSOURI

ACCOUNT 321 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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 90-R2						
PROBABLE RETIREMENT YEAR.. 10-2044						
NET SALVAGE PERCENT.. -1						
1985	808,559,217.59	457,214,930	557,665,446	258,979,364	24.37	10,626,974
1986	3,596,216.91	2,006,852	2,447,759	1,184,420	24.41	48,522
1987	2,169,267.97	1,193,964	1,456,279	734,682	24.45	30,048
1988	966,991.35	524,330	639,526	337,135	24.50	13,761
1989	647,569.44	345,741	421,701	232,344	24.54	9,468
1990	6,405,571.18	3,364,918	4,104,193	2,365,434	24.58	96,234
1991	689,658.88	356,156	434,404	262,151	24.62	10,648
1992	804,820.43	408,076	497,731	315,138	24.66	12,779
1993	3,081,985.44	1,533,368	1,870,250	1,242,555	24.69	50,326
1994	438,462.09	213,736	260,694	182,153	24.73	7,366
1995	1,341,697.53	640,170	780,816	574,299	24.76	23,195
1996	783,718.93	365,359	445,629	345,927	24.80	13,949
1997	500,235.54	227,569	277,566	227,672	24.83	9,169
1998	2,137,799.95	947,512	1,155,681	1,003,497	24.86	40,366
1999	817,533.22	352,272	429,666	396,043	24.89	15,912
2000	238,371.26	99,653	121,547	119,208	24.92	4,784
2001	537,965.36	217,626	265,439	277,906	24.95	11,139
2002	2,356,198.67	919,873	1,121,970	1,257,791	24.98	50,352
2003	3,246,355.61	1,219,458	1,487,374	1,791,445	25.01	71,629
2004	21,606,328.55	7,778,810	9,487,821	12,334,571	25.04	492,595
2005	8,704,880.31	2,993,916	3,651,682	5,140,247	25.06	205,118
2006	3,963,422.54	1,294,388	1,578,766	2,424,291	25.09	96,624
2007	17,322,674.41	5,346,572	6,521,218	10,974,683	25.11	437,064
2008	2,690,452.38	778,822	949,930	1,767,427	25.14	70,303
2009	8,873,625.51	2,390,172	2,915,295	6,047,067	25.16	240,344
2010	4,241,558.65	1,052,401	1,283,614	3,000,360	25.18	119,156
2011	2,184,140.57	492,860	601,142	1,604,840	25.20	63,684
2012	1,692,542.67	340,697	415,548	1,293,920	25.23	51,285
2013	6,305,754.80	1,108,364	1,351,873	5,016,939	25.25	198,691
2014	14,237,438.89	2,115,990	2,580,875	11,798,938	25.27	466,915
2015	8,133,451.68	970,988	1,184,315	7,030,471	25.29	277,994
2016	18,142,304.88	1,599,112	1,950,438	16,373,290	25.31	646,910
2017	5,670,935.68	312,271	380,877	5,346,768	25.32	211,168
2018	3,416,677.87	65,463	79,845	3,371,000	25.34	133,031
	966,505,826.74	500,792,389	610,816,910	365,353,975		14,857,503

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 24.6 1.54

AMEREN MISSOURI

ACCOUNT 322 REACTOR PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-S0.5						
PROBABLE RETIREMENT YEAR.. 10-2044						
NET SALVAGE PERCENT.. -6						
1985	640,799,198.06	391,028,999	384,635,284	294,611,866	19.09	15,432,785
1986	2,725,045.06	1,641,359	1,614,521	1,274,027	19.27	66,115
1987	1,284,934.41	763,350	750,868	611,162	19.45	31,422
1988	1,504,524.50	881,029	866,623	728,173	19.63	37,095
1989	968,136.82	558,451	549,320	476,905	19.81	24,074
1990	5,269,939.54	2,992,325	2,943,398	2,642,738	19.98	132,269
1991	3,422,240.76	1,910,462	1,879,224	1,748,351	20.16	86,724
1992	3,574,315.02	1,960,918	1,928,855	1,859,919	20.33	91,486
1993	364,710.86	196,405	193,194	193,400	20.50	9,434
1994	7,659,521.88	4,043,796	3,977,676	4,141,417	20.67	200,359
1995	4,035,796.40	2,087,423	2,053,292	2,224,652	20.83	106,800
1996	3,007,931.94	1,521,158	1,496,286	1,692,122	21.00	80,577
1997	345,338.07	170,514	167,726	198,332	21.17	9,369
1998	4,022,973.18	1,936,868	1,905,198	2,359,154	21.33	110,603
1999	1,454,979.89	681,625	670,480	871,799	21.49	40,568
2000	9,632,014.19	4,379,552	4,307,942	5,901,993	21.66	272,484
2001	2,500.09	1,101	1,083	1,567	21.82	72
2002	659,702.68	280,588	276,000	423,285	21.98	19,258
2003	11,465,804.05	4,697,790	4,620,976	7,532,776	22.14	340,234
2004	5,119,005.69	2,011,852	1,978,956	3,447,190	22.30	154,583
2005	163,515,526.59	61,445,963	60,441,260	112,885,198	22.45	5,028,294
2006	402,665.29	143,900	141,547	285,278	22.61	12,617
2007	27,206,040.79	9,189,934	9,039,669	19,798,734	22.77	869,510
2008	58,505,205.80	18,561,245	18,257,750	43,757,768	22.92	1,909,152
2009	2,927,462.15	865,271	851,123	2,251,987	23.07	97,615
2010	3,650,082.68	993,891	977,640	2,891,448	23.23	124,470
2011	9,653,148.29	2,391,195	2,352,097	7,880,240	23.38	337,050
2012	954,271.45	211,490	208,032	803,496	23.53	34,148
2013	46,862,595.55	9,084,445	8,935,905	40,738,446	23.68	1,720,374
2014	168,591,392.33	27,638,805	27,186,883	151,519,993	23.83	6,358,372
2015	9,320,078.56	1,229,971	1,209,860	8,669,423	23.98	361,527
2016	42,168,469.49	4,136,853	4,069,211	40,629,367	24.12	1,684,468
2017	65,406,937.60	3,985,166	3,920,004	65,411,350	24.27	2,695,152
2018	2,135,175.83	45,402	44,660	2,218,626	24.42	90,853
	1,308,617,665.49	563,669,096	554,452,543	832,682,182		38,569,913

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 21.6 2.95

AMEREN MISSOURI

ACCOUNT 323 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-S1						
PROBABLE RETIREMENT YEAR.. 10-2044						
NET SALVAGE PERCENT.. -4						
1985	326,622,407.20	201,767,465	200,276,574	139,410,729	18.62	7,487,150
1986	564,218.73	343,928	341,387	245,400	18.84	13,025
1987	513,454.94	308,739	306,458	227,535	19.05	11,944
1988	494,105.14	292,736	290,573	223,296	19.27	11,588
1989	129,275.80	75,403	74,846	59,601	19.49	3,058
1990	31,339.16	17,990	17,857	14,736	19.70	748
1992	5,148,951.16	2,854,541	2,833,448	2,521,461	20.12	125,321
1993	653,437.36	355,411	352,785	326,790	20.33	16,074
1994	976,255.52	520,425	516,579	498,727	20.54	24,281
1995	1,947,279.85	1,015,988	1,008,481	1,016,690	20.75	48,997
1996	2,190,252.96	1,117,337	1,109,081	1,168,782	20.95	55,789
1997	181,976.26	90,570	89,901	99,354	21.16	4,695
1998	1,325,591.92	642,807	638,057	740,559	21.36	34,670
1999	80,922.01	38,153	37,871	46,288	21.56	2,147
2000	4,597,350.85	2,103,270	2,087,729	2,693,516	21.76	123,783
2001	4,370,973.09	1,935,289	1,920,989	2,624,823	21.96	119,527
2002	3,031,021.01	1,295,769	1,286,194	1,866,068	22.15	84,247
2003	794,882.56	326,777	324,362	502,316	22.35	22,475
2004	31,513,422.92	12,423,297	12,331,499	20,442,461	22.54	906,941
2005	57,848,040.89	21,771,411	21,610,539	38,551,424	22.73	1,696,059
2006	144,669.77	51,703	51,321	99,136	22.92	4,325
2007	4,162,983.84	1,404,794	1,394,414	2,935,089	23.11	127,005
2008	15,683,369.06	4,964,326	4,927,644	11,383,060	23.29	488,753
2009	638,919.39	188,140	186,750	477,726	23.47	20,355
2010	5,852,706.67	1,585,494	1,573,778	4,513,037	23.65	190,826
2011	3,088,328.14	758,706	753,100	2,458,761	23.83	103,179
2012	743,839.36	163,066	161,861	611,732	24.00	25,489
2013	26,824,363.28	5,134,784	5,096,842	22,800,496	24.16	943,729
2014	1,841,688.44	297,378	295,181	1,620,175	24.32	66,619
2015	1,168,475.65	151,683	150,562	1,064,653	24.47	43,509
2016	10,759,594.35	1,027,799	1,020,204	10,169,774	24.62	413,070
2017	28,445,594.20	1,689,805	1,677,319	27,906,099	24.76	1,127,064
2018	4,813,316.87	98,565	97,837	4,908,013	24.89	197,188
	547,183,008.35	266,813,549	264,842,023	304,228,306		14,543,630

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 20.9 2.66

AMEREN MISSOURI

ACCOUNT 324 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
1985	190,984,070.61	108,406,378	125,058,218	67,835,693	23.56	2,879,274
1986	43,428.58	24,317	28,052	15,811	23.64	669
1987	119,803.54	66,133	76,291	44,711	23.72	1,885
1988	78,758.30	42,843	49,424	30,122	23.79	1,266
1989	282,359.78	151,181	174,403	110,780	23.87	4,641
1990	19,060.05	10,039	11,581	7,670	23.94	320
1992	1,229,642.07	625,068	721,082	520,856	24.07	21,639
1994	837,290.06	408,937	471,752	373,911	24.20	15,451
1995	1,006,411.19	480,976	554,857	461,618	24.26	19,028
1996	14,745.25	6,885	7,943	6,950	24.32	286
1998	2,095.03	930	1,073	1,043	24.43	43
2000	768,964.39	321,861	371,301	405,353	24.53	16,525
2001	237,962.90	96,361	111,163	129,180	24.58	5,255
2002	34,071.01	13,313	15,358	19,054	24.63	774
2003	1,786,321.89	671,626	774,792	1,029,393	24.67	41,727
2004	916,295.45	330,157	380,871	544,587	24.72	22,030
2005	670,954.79	230,819	266,274	411,390	24.76	16,615
2007	124,787.06	38,536	44,455	81,580	24.84	3,284
2009	135,271.46	36,428	42,024	94,600	24.92	3,796
2010	4,785,551.24	1,187,906	1,370,375	3,463,032	24.95	138,799
2011	18,732,966.85	4,222,821	4,871,470	14,048,827	24.99	562,178
2012	141,969.62	28,623	33,020	110,369	25.02	4,411
2013	3,591,340.57	632,448	729,595	2,897,659	25.05	115,675
2014	12,225,608.01	1,821,557	2,101,358	10,246,506	25.08	408,553
2015	1,034,015.20	123,902	142,934	901,421	25.11	35,899
2016	21,923,675.03	1,944,369	2,243,035	19,899,877	25.14	791,562
2017	13,514,438.40	743,493	857,698	12,791,885	25.17	508,220
2018	1,236,751.57	23,346	26,932	1,222,187	25.20	48,499
	276,478,609.90	122,691,253	141,537,331	137,706,065		5,668,304

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 24.3 2.05

AMEREN MISSOURI

ACCOUNT 325 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-L0.5						
PROBABLE RETIREMENT YEAR.. 10-2044						
NET SALVAGE PERCENT.. 0						
1985	51,613,701.32	27,893,076	12,563,900	39,049,801	15.35	2,543,961
1986	1,758,571.77	938,743	422,839	1,335,733	15.51	86,121
1987	1,830,107.82	965,052	434,689	1,395,419	15.66	89,107
1988	2,642,306.89	1,374,449	619,094	2,023,213	15.82	127,890
1989	346,985.58	177,986	80,170	266,816	15.98	16,697
1990	1,462,115.85	739,567	333,124	1,128,992	16.13	69,993
1991	1,355,485.13	675,032	304,055	1,051,430	16.29	64,545
1992	2,449,463.54	1,201,192	541,054	1,908,410	16.44	116,083
1993	522,049.79	251,659	113,355	408,695	16.60	24,620
1994	1,699,741.44	805,287	362,726	1,337,015	16.75	79,822
1995	4,042,963.12	1,880,746	847,146	3,195,817	16.90	189,102
1996	679,975.66	310,062	139,661	540,315	17.06	31,671
1997	493,928.12	220,687	99,404	394,524	17.21	22,924
1998	1,532,354.72	669,777	301,688	1,230,667	17.36	70,891
1999	373,905.04	159,545	71,864	302,041	17.52	17,240
2000	1,925,251.23	801,020	360,804	1,564,447	17.67	88,537
2001	2,519,135.50	1,019,419	459,178	2,059,958	17.83	115,533
2002	244,530.87	96,013	43,247	201,284	17.99	11,189
2003	1,139,451.99	432,741	194,920	944,532	18.16	52,012
2004	5,789,053.28	2,119,141	954,526	4,834,527	18.34	263,606
2005	8,497,868.22	2,984,366	1,344,250	7,153,618	18.53	386,056
2006	1,535,195.54	514,997	231,971	1,303,225	18.72	69,617
2007	1,895,081.68	603,470	271,821	1,623,261	18.92	85,796
2008	1,143,886.27	343,498	154,722	989,164	19.13	51,707
2009	2,770,267.40	777,531	350,224	2,420,043	19.35	125,067
2010	3,972,534.57	1,031,826	464,766	3,507,769	19.58	179,151
2011	5,777,497.82	1,369,903	617,047	5,160,451	19.82	260,366
2012	3,093,780.49	659,037	296,851	2,796,929	20.06	139,428
2013	2,200,754.14	411,431	185,321	2,015,433	20.31	99,234
2014	7,887,195.29	1,251,619	563,768	7,323,427	20.57	356,025
2015	4,917,587.53	631,664	284,521	4,633,067	20.83	222,423
2016	12,229,738.53	1,168,429	526,296	11,703,443	21.11	554,403
2017	2,785,971.42	167,688	75,532	2,710,439	21.39	126,715
2018	2,074,097.59	43,992	19,815	2,054,283	21.69	94,711
	145,202,535.15	54,690,645	24,634,349	120,568,186		6,832,243

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 17.6 4.71

AMEREN MISSOURI

ACCOUNT 325.21 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
1999	44,598.00	43,483	41,182	3,416	0.50	3,416
2000	16,251.97	15,033	14,238	2,014	1.50	1,343
2001	231,774.45	202,803	192,072	39,702	2.50	15,881
2002	233,555.46	192,683	182,488	51,067	3.50	14,591
2003	532,784.38	412,908	391,060	141,724	4.50	31,494
2004	405,090.19	293,690	278,151	126,939	5.50	23,080
2005	434,950.39	293,592	278,058	156,892	6.50	24,137
2006	748,165.32	467,603	442,861	305,304	7.50	40,707
2007	310,191.09	178,360	168,923	141,268	8.50	16,620
2008	145,618.60	76,450	72,405	73,214	9.50	7,707
2009	474,855.47	225,556	213,621	261,234	10.50	24,879
2010	354,653.48	150,728	142,753	211,900	11.50	18,426
2011	436,292.36	163,610	154,953	281,339	12.50	22,507
2012	207,264.95	67,361	63,797	143,468	13.50	10,627
2013	413,428.71	113,693	107,677	305,752	14.50	21,086
2014	461,996.13	103,949	98,449	363,547	15.50	23,455
2015	488,852.80	85,549	81,023	407,830	16.50	24,717
2016	203,814.38	25,477	24,129	179,685	17.50	10,268
2017	1,529,692.78	114,727	108,656	1,421,037	18.50	76,813
2018	110,583.08	2,765	2,619	107,964	19.50	5,537
	7,784,413.99	3,230,020	3,059,115	4,725,299		417,291
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						11.3 5.36

AMEREN MISSOURI

ACCOUNT 325.22 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 15-SQUARE						
NET SALVAGE PERCENT.. 0						
2004	426,822.08	412,596	383,332	43,490	0.50	43,490
2005	121,675.34	109,508	101,741	19,934	1.50	13,289
2006	148,202.18	123,501	114,742	33,460	2.50	13,384
2007	54,623.61	41,878	38,908	15,716	3.50	4,490
2008	172,108.26	120,476	111,931	60,177	4.50	13,373
2009	845,411.90	535,425	497,450	347,962	5.50	63,266
2010	209,312.30	118,611	110,198	99,114	6.50	15,248
2011	283,440.91	141,720	131,669	151,772	7.50	20,236
2012	456,780.90	197,937	183,898	272,883	8.50	32,104
2013	578,365.97	212,069	197,028	381,338	9.50	40,141
2014	131,467.12	39,440	36,643	94,824	10.50	9,031
2015	197,629.37	46,113	42,842	154,787	11.50	13,460
2016	275,633.77	45,940	42,682	232,952	12.50	18,636
2017	178,272.30	17,827	16,562	161,710	13.50	11,979
2018	295,028.28	9,833	9,136	285,892	14.50	19,717
	4,374,774.29	2,172,874	2,018,762	2,356,012		331,844
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						7.1 7.59

AMEREN MISSOURI

ACCOUNT 325.23 MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
2014	744,754.19	670,279	541,535	203,219	0.50	203,219
2015	548,412.37	383,889	310,154	238,258	1.50	158,839
2016	1,224,166.89	612,083	494,517	729,650	2.50	291,860
2017	2,493,254.65	747,976	604,309	1,888,946	3.50	539,699
2018	1,744,929.29	174,493	140,977	1,603,952	4.50	356,434
	6,755,517.39	2,588,720	2,091,492	4,664,025		1,550,051
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 3.0						22.94

AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
OSAGE						
INTERIM SURVIVOR CURVE.. IOWA 125-R1						
PROBABLE RETIREMENT YEAR.. 6-2047						
NET SALVAGE PERCENT.. -2						
1929	5,096.80	3,821	1,904	3,295	25.68	128
1930	265,136.83	198,211	98,771	171,668	25.72	6,674
1931	1,058,440.51	789,065	393,201	686,408	25.76	26,646
1932	22,471.65	16,705	8,324	14,597	25.80	566
1935	1,766.86	1,302	649	1,153	25.91	45
1937	2,738.82	2,006	1,000	1,794	25.99	69
1944	80,471.90	57,532	28,669	53,412	26.23	2,036
1945	2,954.28	2,104	1,048	1,965	26.26	75
1951	65,992.79	45,875	22,860	44,453	26.44	1,681
1952	194,867.60	134,860	67,202	131,562	26.47	4,970
1953	222,435.00	153,237	76,360	150,524	26.50	5,680
1954	5,466.99	3,749	1,868	3,708	26.53	140
1955	5,113.59	3,490	1,739	3,477	26.55	131
1956	11,583.73	7,867	3,920	7,895	26.58	297
1958	7,412.13	4,983	2,483	5,077	26.63	191
1959	734.13	491	245	504	26.66	19
1963	547.70	358	178	380	26.75	14
1965	6,971.00	4,499	2,242	4,869	26.80	182
1966	5,162.06	3,309	1,649	3,616	26.82	135
1974	40,279.46	24,298	12,108	28,977	26.98	1,074
1981	26,030.70	14,644	7,297	19,254	27.10	710
1990	63,814.10	31,624	15,759	49,332	27.23	1,812
1991	28,619.42	13,932	6,942	22,249	27.24	817
1992	6,753.55	3,225	1,607	5,282	27.26	194
1993	118,631.88	55,546	27,679	93,325	27.27	3,422
1994	256,787.11	117,721	58,662	203,261	27.28	7,451
1996	67,000.00	29,311	14,606	53,734	27.31	1,968
1998	58,009.90	24,084	12,001	47,169	27.33	1,726
2000	139,027.09	54,305	27,061	114,747	27.36	4,194
2001	71,135.47	26,863	13,386	59,172	27.37	2,162
2002	94,460.21	34,379	17,132	79,218	27.38	2,893
2003	14,260.35	4,986	2,485	12,061	27.40	440
2004	31,381.78	10,505	5,235	26,775	27.41	977
2006	30,674.75	9,288	4,628	26,660	27.43	972
2007	391,232.71	111,728	55,676	343,382	27.44	12,514
2008	417,320.52	111,538	55,581	370,086	27.46	13,477
2009	88,769.24	22,044	10,985	79,560	27.47	2,896
2010	224,785.85	51,297	25,562	203,720	27.48	7,413
2011	67,670.50	14,009	6,981	62,043	27.49	2,257
2012	88,984.55	16,434	8,189	82,575	27.50	3,003
2013	47,343.85	7,615	3,795	44,496	27.51	1,617

AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
OSAGE						
INTERIM SURVIVOR CURVE.. IOWA 125-R1						
PROBABLE RETIREMENT YEAR.. 6-2047						
NET SALVAGE PERCENT.. -2						
2014	166,095.62	22,472	11,198	158,219	27.53	5,747
2015	420,464.12	45,641	22,744	406,130	27.54	14,747
2016	1,228,332.57	98,478	49,073	1,203,826	27.55	43,696
2017	1,115,089.19	55,357	27,585	1,109,806	27.56	40,269
2018	1,681,661.83	28,748	14,326	1,700,970	27.57	61,696
	8,949,980.69	2,473,536	1,232,595	7,896,385		289,823

TAUM SAUK
INTERIM SURVIVOR CURVE.. IOWA 125-R1
PROBABLE RETIREMENT YEAR.. 6-2089
NET SALVAGE PERCENT.. -5

1963	3,949,795.64	1,761,062	2,168,805	1,978,480	58.25	33,965
1964	29,082.25	12,830	15,801	14,736	58.40	252
1965	35,859.13	15,649	19,272	18,380	58.55	314
1968	3,188.30	1,344	1,655	1,693	59.00	29
1974	299.73	117	144	171	59.82	3
1982	764.82	262	323	480	60.81	8
1983	167.10	56	69	106	60.92	2
1985	203,398.97	65,775	81,004	132,565	61.14	2,168
1986	60,845.13	19,268	23,729	40,158	61.25	656
1991	3,406.25	959	1,181	2,396	61.76	39
1993	2,937.36	782	963	2,121	61.96	34
1994	29,498.41	7,626	9,392	21,582	62.06	348
1995	4,088.92	1,025	1,262	3,031	62.15	49
2002	407,369.09	77,455	95,388	332,349	62.77	5,295
2003	8,098.01	1,463	1,802	6,701	62.86	107
2004	11,917.79	2,039	2,511	10,003	62.94	159
2005	167,448.97	26,994	33,244	142,577	63.02	2,262
2007	6,161.49	866	1,067	5,403	63.19	86
2008	338,047.33	43,950	54,126	300,824	63.26	4,755
2009	2,525,857.57	301,046	370,748	2,281,402	63.34	36,018
2010	9,407,463.32	1,015,837	1,251,036	8,626,800	63.42	136,026
2011	82,444.39	7,949	9,789	76,777	63.50	1,209
2012	115,243.41	9,764	12,025	108,981	63.57	1,714
2013	237,127.27	17,222	21,209	227,774	63.65	3,579
2014	79,651.55	4,788	5,897	77,738	63.73	1,220
2015	82,695.84	3,925	4,834	81,997	63.80	1,285

AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TAUM SAUK						
INTERIM SURVIVOR CURVE.. IOWA 125-R1						
PROBABLE RETIREMENT YEAR.. 6-2089						
NET SALVAGE PERCENT.. -5						
2016	2,950,925.06	101,351	124,817	2,973,654	63.87	46,558
2017	329,429.32	6,890	8,485	337,416	63.95	5,276
2018	1,136,869.98	7,962	9,805	1,183,908	64.02	18,493
	22,210,082.40	3,516,256	4,330,384	18,990,203		301,909

KEOKUK
INTERIM SURVIVOR CURVE.. IOWA 125-R1
PROBABLE RETIREMENT YEAR.. 6-2055
NET SALVAGE PERCENT.. -3

1913	1,115,259.78	825,939	723,907	424,811	30.58	13,892
1914	2,301.17	1,700	1,490	880	30.66	29
1915	15,728.12	11,588	10,156	6,043	30.74	197
1917	3,543.61	2,597	2,276	1,374	30.90	44
1918	461.90	338	296	180	30.98	6
1925	2,334.88	1,671	1,465	940	31.50	30
1927	1,416.98	1,008	883	576	31.64	18
1930	65.43	46	40	27	31.84	1
1932	64.58	45	39	27	31.97	1
1935	119.10	82	72	51	32.16	2
1936	90.22	62	54	39	32.22	1
1937	124.22	85	74	53	32.28	2
1938	1,238.85	847	742	534	32.34	17
1939	1,355.17	923	809	587	32.40	18
1940	4,342.13	2,947	2,583	1,889	32.46	58
1941	1,980.90	1,339	1,174	867	32.51	27
1943	2,954.08	1,979	1,735	1,308	32.63	40
1948	11,380.12	7,451	6,531	5,191	32.89	158
1949	8,720.37	5,681	4,979	4,003	32.94	122
1950	10,215.67	6,622	5,804	4,718	32.99	143
1951	6,426.64	4,144	3,632	2,987	33.04	90
1952	24,807.81	15,914	13,948	11,604	33.08	351
1953	35,166.48	22,436	19,664	16,557	33.13	500
1954	31,263.98	19,834	17,384	14,818	33.18	447
1955	29,437.58	18,571	16,277	14,044	33.22	423
1956	16,334.17	10,244	8,979	7,846	33.27	236
1957	18,743.22	11,684	10,241	9,065	33.31	272
1958	45,902.26	28,443	24,929	22,350	33.35	670
1959	5,423.81	3,339	2,927	2,660	33.40	80

AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KEOKUK						
INTERIM SURVIVOR CURVE.. IOWA 125-R1						
PROBABLE RETIREMENT YEAR.. 6-2055						
NET SALVAGE PERCENT.. -3						
1960	6,087.26	3,723	3,263	3,007	33.44	90
1961	64,607.30	39,256	34,407	32,139	33.48	960
1962	11,812.28	7,128	6,247	5,919	33.52	177
1963	14,884.51	8,919	7,817	7,514	33.56	224
1964	5,046.51	3,002	2,631	2,567	33.60	76
1965	6,066.94	3,583	3,140	3,109	33.63	92
1966	7,832.62	4,590	4,023	4,045	33.67	120
1967	628.35	365	320	327	33.71	10
1968	811.97	468	410	426	33.74	13
1969	2,486.54	1,422	1,246	1,315	33.78	39
1970	2,343.94	1,329	1,165	1,249	33.81	37
1971	2,615.93	1,470	1,288	1,406	33.84	42
1972	8,837.51	4,918	4,310	4,792	33.88	141
1973	33,242.38	18,326	16,062	18,178	33.91	536
1974	1,864.78	1,018	892	1,028	33.94	30
1976	33,379.07	17,844	15,640	18,741	34.00	551
1977	18,037.37	9,536	8,358	10,221	34.03	300
1978	87,182.20	45,568	39,939	49,859	34.06	1,464
1979	265.52	137	120	153	34.09	4
1980	116,657.85	59,510	52,158	67,999	34.12	1,993
1981	10,500.34	5,290	4,636	6,179	34.14	181
1982	54,175.18	26,924	23,598	32,202	34.17	942
1983	1,737.23	851	746	1,043	34.20	30
1984	83,061.54	40,129	35,172	50,382	34.22	1,472
1985	35,309.31	16,802	14,726	21,642	34.25	632
1986	13,870.82	6,497	5,694	8,593	34.27	251
1987	7,799.29	3,593	3,149	4,884	34.30	142
1988	9,982.49	4,520	3,962	6,320	34.32	184
1989	14,323.25	6,369	5,582	9,171	34.34	267
1990	48,719.65	21,248	18,623	31,558	34.37	918
1991	2,594.48	1,109	972	1,700	34.39	49
1992	327,143.65	136,946	120,028	216,930	34.41	6,304
1993	43,793.30	17,920	15,706	29,401	34.44	854
1994	21,196.35	8,472	7,425	14,407	34.46	418
1995	237,281.39	92,508	81,080	163,320	34.48	4,737
1996	38,442.20	14,594	12,791	26,804	34.50	777
1997	12,963.74	4,785	4,194	9,159	34.52	265
1998	7,750.07	2,776	2,433	5,550	34.54	161
2001	27,889.34	9,004	7,892	20,834	34.61	602
2002	85,375.47	26,479	23,208	64,729	34.63	1,869
2003	74,423.55	22,104	19,373	57,283	34.65	1,653

AMEREN MISSOURI

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KEOKUK						
INTERIM SURVIVOR CURVE.. IOWA 125-R1						
PROBABLE RETIREMENT YEAR.. 6-2055						
NET SALVAGE PERCENT.. -3						
2004	52,295.46	14,812	12,982	40,882	34.67	1,179
2005	678,125.48	182,503	159,957	538,512	34.69	15,524
2006	31,308.38	7,962	6,978	25,269	34.71	728
2007	576,453.96	137,637	120,634	473,114	34.73	13,623
2008	267,681.15	59,631	52,264	223,447	34.75	6,430
2009	53,720.72	11,064	9,697	45,635	34.77	1,312
2010	111,305.00	20,952	18,364	96,280	34.79	2,767
2011	637,400.13	108,503	95,099	561,423	34.80	16,133
2012	230,351.16	34,775	30,479	206,783	34.82	5,939
2013	13,038.28	1,706	1,495	11,934	34.84	343
2014	1,127,965.19	123,593	108,325	1,053,479	34.86	30,220
2015	70,426.21	6,148	5,389	67,150	34.88	1,925
2017	12,117.19	478	419	12,062	34.92	345
2018	1,965,997.48	26,304	23,055	2,001,923	34.94	57,296
	8,808,412.49	2,444,659	2,142,658	6,930,007		201,246
	39,968,475.58	8,434,451	7,705,637	33,816,595		792,978
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						42.6 1.98

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
OSAGE						
INTERIM SURVIVOR CURVE.. IOWA 150-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2047						
NET SALVAGE PERCENT.. -1						
1929	283,260.98	216,095	212,252	73,842	26.76	2,759
1930	11,957,472.13	9,097,036	8,935,244	3,141,803	26.80	117,231
1931	1,786,105.61	1,354,977	1,330,879	473,088	26.84	17,626
1936	32,259.85	24,114	23,685	8,897	27.01	329
1951	213,202.69	150,758	148,077	67,258	27.44	2,451
1965	24,066.48	15,791	15,510	8,797	27.74	317
1982	9,402,023.31	5,310,757	5,216,304	4,279,739	28.00	152,848
1990	11,549.84	5,810	5,707	5,959	28.09	212
2002	4,201.44	1,550	1,522	2,721	28.20	96
2005	1,396,476.42	451,807	443,772	966,670	28.22	34,255
2006	340,448.99	104,470	102,612	241,241	28.23	8,546
2007	338,552.71	97,907	96,166	245,773	28.24	8,703
2008	4,393,504.54	1,190,964	1,169,783	3,267,657	28.24	115,710
2009	993,584.89	249,947	245,502	758,019	28.25	26,833
2010	476,445.57	110,159	108,200	373,010	28.26	13,199
2014	466,144.56	64,011	62,873	407,933	28.28	14,425
2016	528,040.30	42,986	42,221	491,099	28.29	17,359
2018	53,782,812.18	943,006	926,234	53,394,406	28.30	1,886,728
	86,430,152.49	19,432,145	19,086,541	68,207,913		2,419,627

TAUM SAUK
INTERIM SURVIVOR CURVE.. IOWA 150-R2.5
PROBABLE RETIREMENT YEAR.. 6-2089
NET SALVAGE PERCENT.. -3

1963	6,134,559.28	2,830,984	5,229,102-	11,547,698	63.63	181,482
1964	410,670.09	187,516	346,360-	769,350	63.78	12,063
1965	4,242.26	1,916	3,539-	7,909	63.93	124
1966	3,214.15	1,435	2,651-	5,961	64.07	93
1982	22,085.47	7,834	14,470-	37,218	66.02	564
1987	329,525.18	105,676	195,194-	534,605	66.51	8,038
1989	174,968.01	53,571	98,951-	279,168	66.69	4,186
1994	18,874.75	5,045	9,319-	28,760	67.12	428
1995	3,224.71	835	1,542-	4,864	67.20	72
1996	2,446.65	613	1,132-	3,652	67.28	54
2003	19,271.38	3,593	6,637-	26,486	67.78	391
2004	863,278.21	152,271	281,259-	1,170,436	67.85	17,250
2008	100,081.99	13,406	24,762-	127,847	68.10	1,877
2009	744,788.21	91,404	168,832-	935,964	68.16	13,732

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TAUM SAUK						
INTERIM SURVIVOR CURVE.. IOWA 150-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2089						
NET SALVAGE PERCENT.. -3						
2010	363,417.08	40,385	74,595-	448,915	68.22	6,580
2011	112,489.42	11,164	20,621-	136,485	68.28	1,999
2012	960,102.92	83,721	154,641-	1,143,547	68.33	16,736
2018	4,577.21	33	61-	4,775	68.64	70
	10,271,816.97	3,591,402	6,633,668-	17,213,639		265,739

KEOKUK

INTERIM SURVIVOR CURVE.. IOWA 150-R2.5
PROBABLE RETIREMENT YEAR.. 6-2055
NET SALVAGE PERCENT.. -1

1913	4,018,842.12	3,020,568	3,160,019	899,012	32.21	27,911
1914	94,270.91	70,660	73,922	21,291	32.31	659
1916	14,489.69	10,802	11,301	3,334	32.49	103
1917	4,473.24	3,326	3,480	1,038	32.57	32
1918	4,913.98	3,643	3,811	1,152	32.66	35
1922	13,970.59	10,237	10,710	3,401	32.98	103
1923	22,892.47	16,723	17,495	5,626	33.06	170
1924	7,625.45	5,554	5,810	1,891	33.13	57
1925	29,724.76	21,580	22,576	7,446	33.21	224
1926	35,501.95	25,693	26,879	8,978	33.28	270
1927	53,835.36	38,835	40,628	13,746	33.35	412
1928	4,497.00	3,233	3,382	1,160	33.42	35
1929	7,545.88	5,407	5,657	1,965	33.49	59
1930	8,452.39	6,037	6,316	2,221	33.55	66
1931	15,069.82	10,725	11,220	4,000	33.62	119
1932	1,922.51	1,364	1,427	515	33.68	15
1933	1,303.43	921	964	353	33.74	10
1935	2,189.70	1,536	1,607	605	33.86	18
1937	373.22	260	272	105	33.98	3
1938	2,635.83	1,828	1,912	750	34.03	22
1940	145,362.41	100,002	104,619	42,197	34.14	1,236
1943	226.38	154	161	68	34.29	2
1944	118.86	80	84	36	34.34	1
1949	47,917.34	31,646	33,107	15,290	34.57	442
1950	81,832.27	53,774	56,257	26,394	34.61	763
1951	98,309.55	64,261	67,228	32,065	34.66	925
1952	27,641.07	17,972	18,802	9,116	34.70	263
1953	13,257.93	8,574	8,970	4,421	34.74	127

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KEOKUK						
INTERIM SURVIVOR CURVE.. IOWA 150-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2055						
NET SALVAGE PERCENT.. -1						
1954	13,681.03	8,798	9,204	4,614	34.78	133
1955	11,643.54	7,445	7,789	3,971	34.82	114
1956	1,635.32	1,040	1,088	564	34.85	16
1957	29,203.34	18,455	19,307	10,188	34.89	292
1958	1,657.13	1,041	1,089	585	34.93	17
1959	14,926.30	9,315	9,745	5,331	34.96	152
1960	24,202.84	15,006	15,699	8,746	35.00	250
1961	8,990.67	5,538	5,794	3,287	35.03	94
1962	17,966.18	10,988	11,495	6,651	35.07	190
1967	224,862.06	132,467	138,583	88,528	35.23	2,513
1968	11,544.18	6,745	7,056	4,603	35.26	131
1970	17,229.08	9,896	10,353	7,049	35.31	200
1971	51,465.56	29,296	30,649	21,332	35.34	604
1972	16,729.54	9,434	9,870	7,027	35.37	199
1973	2,508.31	1,401	1,466	1,068	35.40	30
1974	1,901.56	1,052	1,101	820	35.42	23
1975	5,448.67	2,982	3,120	2,383	35.45	67
1976	6,624.89	3,588	3,754	2,937	35.47	83
1977	200,190.60	107,196	112,145	90,048	35.50	2,537
1978	199,889.07	105,826	110,712	91,176	35.52	2,567
1979	39,539.76	20,680	21,635	18,300	35.55	515
1980	403,935.52	208,695	218,330	189,645	35.57	5,332
1982	131,496.74	66,181	69,236	63,575	35.61	1,785
1983	4,967.99	2,465	2,579	2,439	35.64	68
1984	13,145.61	6,428	6,725	6,552	35.66	184
1985	2,348.81	1,131	1,183	1,189	35.68	33
1987	588,003.08	274,113	286,768	307,115	35.72	8,598
1988	131,419.89	60,198	62,977	69,757	35.74	1,952
1989	790,025.33	355,332	371,737	426,189	35.76	11,918
1990	307,911.51	135,890	142,164	168,827	35.77	4,720
1991	130,350.11	56,371	58,973	72,680	35.79	2,031
1992	2,132,859.09	902,906	944,590	1,209,597	35.81	33,778
1994	468,473.24	189,311	198,051	275,107	35.85	7,674
1995	261,633.08	103,121	107,882	156,368	35.86	4,361
1996	105,664.59	40,541	42,413	64,309	35.88	1,792
1997	114,181.48	42,596	44,563	70,761	35.89	1,972
1998	31,965.30	11,567	12,101	20,184	35.91	562
2000	14,400.15	4,873	5,098	9,446	35.94	263
2001	21,566.18	7,035	7,360	14,422	35.95	401
2003	86,803.42	26,038	27,240	60,431	35.98	1,680
2005	431,094.78	117,115	122,522	312,884	36.01	8,689

AMEREN MISSOURI

ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KEOKUK						
INTERIM SURVIVOR CURVE.. IOWA 150-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2055						
NET SALVAGE PERCENT.. -1						
2006	1,770,908.54	454,738	475,732	1,312,886	36.02	36,449
2007	240,982.98	58,110	60,793	182,600	36.03	5,068
2008	255,367.40	57,403	60,053	197,868	36.05	5,489
2009	507,788.92	105,512	110,383	402,484	36.06	11,162
2012	280,788.98	42,715	44,687	238,910	36.09	6,620
2016	1,087,665.86	70,296	73,541	1,025,001	36.13	28,370
2017	330,190.49	13,120	13,726	319,767	36.14	8,848
2018	2,103,307.40	28,976	30,314	2,094,027	36.15	57,926
	18,410,282.21	7,486,361	7,831,984	10,762,401		302,534
	115,112,251.67	30,509,908	20,284,857	96,183,953		2,987,900
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						32.2 2.60

AMEREN MISSOURI

ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
OSAGE						
INTERIM SURVIVOR CURVE.. IOWA 95-S0						
PROBABLE RETIREMENT YEAR.. 6-2047						
NET SALVAGE PERCENT.. -8						
1930	719,984.39	567,154	566,196	211,387	23.10	9,151
1931	2,296,296.63	1,804,051	1,801,004	678,997	23.17	29,305
1932	6,564.90	5,145	5,136	1,954	23.23	84
1935	1,713.07	1,331	1,329	521	23.43	22
1951	180,796.74	133,148	132,923	62,337	24.37	2,558
1952	1,101,790.60	808,144	806,779	383,155	24.42	15,690
1953	613,404.64	448,080	447,323	215,154	24.47	8,793
1954	25,458.61	18,515	18,484	9,012	24.53	367
1958	995.99	711	710	366	24.73	15
1980	16,949.28	10,348	10,331	7,975	25.77	309
1991	281,622.44	148,064	147,814	156,338	26.26	5,953
1992	3,520.66	1,817	1,814	1,988	26.31	76
1993	150,644.39	76,282	76,153	86,543	26.35	3,284
1994	4,166,435.75	2,066,465	2,062,974	2,436,776	26.40	92,302
1999	515,526.32	225,664	225,283	331,486	26.63	12,448
2002	6,491,067.81	2,572,730	2,568,384	4,441,969	26.77	165,931
2004	9,355.86	3,417	3,411	6,693	26.87	249
2006	131,858.66	43,624	43,550	98,857	26.97	3,665
2008	14,827,360.85	4,344,956	4,337,617	11,675,933	27.07	431,324
2009	16,029,618.90	4,362,621	4,355,252	12,956,736	27.13	477,580
2010	9,342,881.64	2,340,852	2,336,898	7,753,414	27.18	285,262
2011	745,634.85	169,456	169,170	636,116	27.24	23,352
2013	644,557.20	114,248	114,055	582,067	27.35	21,282
2016	3,800,384.97	337,917	337,346	3,767,070	27.53	136,835
2017	1,172,235.46	64,427	64,318	1,201,696	27.60	43,540
	63,276,660.61	20,669,167	20,634,254	47,704,539		1,769,377

TAUM SAUK
INTERIM SURVIVOR CURVE.. IOWA 95-S0
PROBABLE RETIREMENT YEAR.. 6-2089
NET SALVAGE PERCENT.. -26

1963	11,490,562.72	6,573,061	4,028,336	10,449,773	48.13	217,116
1964	79,484.47	45,015	27,588	72,563	48.37	1,500
1965	2,606.54	1,461	895	2,389	48.62	49
1968	42,552.07	23,090	14,151	39,465	49.34	800
1969	3,197.50	1,716	1,052	2,977	49.58	60
1971	3,605.36	1,889	1,158	3,385	50.06	68
1983	17,949.96	7,888	4,834	17,783	52.86	336

AMEREN MISSOURI

ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TAUM SAUK						
INTERIM SURVIVOR CURVE.. IOWA 95-S0						
PROBABLE RETIREMENT YEAR.. 6-2089						
NET SALVAGE PERCENT.. -26						
1996	2,378.19	768	471	2,526	55.86	45
1997	1,834.22	573	351	1,960	56.09	35
1999	19,354,345.37	5,625,716	3,447,750	20,938,725	56.56	370,204
2000	259,306.33	72,435	44,392	282,334	56.80	4,971
2001	341,540.66	91,486	56,068	374,274	57.04	6,562
2002	138,015.43	35,322	21,647	152,252	57.28	2,658
2003	728,612.32	177,634	108,864	809,188	57.52	14,068
2004	125,531.37	29,018	17,784	140,386	57.77	2,430
2006	230,806.42	47,348	29,017	261,799	58.26	4,494
2008	28,947.24	5,141	3,151	33,323	58.76	567
2009	324,285.27	52,861	32,396	376,203	59.02	6,374
2010	14,751,582.17	2,185,645	1,339,484	17,247,509	59.28	290,950
2011	628,085.11	83,468	51,154	740,233	59.54	12,433
2012	14,835,269.40	1,735,219	1,063,438	17,629,001	59.81	294,750
2013	1,686,303.24	169,852	104,095	2,020,647	60.08	33,633
2014	7,438,019.68	623,232	381,951	8,989,954	60.36	148,939
2015	369,139.76	24,488	15,008	450,108	60.64	7,423
2016	9,601.36	464	284	11,813	60.93	194
2017	685,379.79	20,251	12,411	851,168	61.22	13,903
2018	143,453.55	1,428	875	179,876	61.53	2,923
	73,722,395.50	17,636,469	10,808,605	82,081,613		1,437,485

KEOKUK
INTERIM SURVIVOR CURVE.. IOWA 95-S0
PROBABLE RETIREMENT YEAR.. 6-2055
NET SALVAGE PERCENT.. -10

1913	2,619,480.25	2,078,979	1,809,405	1,072,024	25.56	41,941
1920	13,394.02	10,414	9,064	5,670	26.50	214
1921	4,808.82	3,727	3,244	2,046	26.63	77
1922	4,868.76	3,763	3,275	2,081	26.75	78
1929	3,002.84	2,270	1,976	1,327	27.57	48
1930	2,877.41	2,168	1,887	1,278	27.68	46
1931	2,808.92	2,110	1,836	1,253	27.78	45
1935	224.94	167	145	102	28.20	4
1936	2,070.45	1,528	1,330	948	28.30	33
1939	7,161.67	5,227	4,549	3,329	28.60	116
1940	1,685.49	1,226	1,067	787	28.70	27
1941	1,341.94	972	846	630	28.79	22

AMEREN MISSOURI

ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KEOKUK						
INTERIM SURVIVOR CURVE.. IOWA 95-S0						
PROBABLE RETIREMENT YEAR.. 6-2055						
NET SALVAGE PERCENT.. -10						
1942	84,769.44	61,149	53,220	40,026	28.89	1,385
1943	117,459.65	84,395	73,452	55,754	28.98	1,924
1944	5,048.65	3,613	3,145	2,409	29.07	83
1946	5,076.77	3,602	3,135	2,450	29.25	84
1947	205,104.33	144,890	126,103	99,512	29.34	3,392
1948	167,297.02	117,646	102,391	81,635	29.43	2,774
1952	44,056.38	30,401	26,459	22,003	29.77	739
1953	251,800.46	172,869	150,454	126,527	29.86	4,237
1954	16,901.10	11,544	10,047	8,544	29.94	285
1955	3,405.04	2,314	2,014	1,732	30.02	58
1957	196.21	132	115	101	30.18	3
1958	14,922.39	9,972	8,679	7,736	30.26	256
1959	596.84	397	346	311	30.34	10
1962	2,001.46	1,305	1,136	1,066	30.58	35
1963	3,832.58	2,483	2,161	2,055	30.66	67
1964	22,688.93	14,602	12,709	12,249	30.73	399
1965	3,722.60	2,379	2,071	2,024	30.81	66
1967	3,532.57	2,225	1,936	1,949	30.96	63
1969	12,430.92	7,709	6,709	6,965	31.11	224
1970	10,805.27	6,648	5,786	6,100	31.18	196
1974	29,958.25	17,788	15,481	17,473	31.48	555
1976	1,557.80	907	789	924	31.62	29
1980	822.12	458	399	506	31.91	16
1984	250,998.46	132,751	115,538	160,561	32.20	4,986
1985	11,127.84	5,802	5,050	7,191	32.27	223
1990	24,546.97	11,779	10,252	16,750	32.62	513
1991	5,544.54	2,609	2,271	3,828	32.70	117
1992	2,895,549.54	1,335,132	1,162,010	2,023,095	32.77	61,736
1993	4,864,316.76	2,195,466	1,910,787	3,439,961	32.84	104,749
1994	127,771.52	56,373	49,063	91,485	32.91	2,780
1995	1,456,870.34	627,305	545,964	1,056,593	32.99	32,028
1996	49,252.50	20,674	17,993	36,184	33.06	1,094
1997	701,479.34	286,544	249,389	522,239	33.13	15,763
1998	28,246.95	11,205	9,752	21,320	33.21	642
2000	17,119.38	6,364	5,539	13,293	33.36	398
2001	8,624,382.68	3,094,032	2,692,839	6,793,982	33.43	203,230
2002	21,118,360.58	7,284,990	6,340,369	16,889,828	33.51	504,024
2003	5,730,229.52	1,895,451	1,649,674	4,653,578	33.58	138,582
2004	570,728.40	180,286	156,909	470,892	33.66	13,990
2005	5,988,680.90	1,799,455	1,566,126	5,021,423	33.74	148,827
2007	7,212.61	1,928	1,678	6,256	33.90	185

AMEREN MISSOURI

ACCOUNT 333 WATER WHEELS, TURBINES AND GENERATORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KEOKUK						
INTERIM SURVIVOR CURVE.. IOWA 95-S0						
PROBABLE RETIREMENT YEAR.. 6-2055						
NET SALVAGE PERCENT.. -10						
2009	20,729,417.52	4,795,108	4,173,342	18,629,017	34.06	546,947
2011	154,166.38	29,540	25,710	143,873	34.23	4,203
2012	26,992,883.14	4,592,785	3,997,253	25,694,918	34.32	748,686
2013	58,481.30	8,628	7,509	56,820	34.41	1,651
2015	11,223,147.21	1,113,808	969,384	11,376,078	34.59	328,883
2016	14,441,959.82	1,051,981	915,574	14,970,582	34.69	431,553
2017	576,180.25	25,865	22,511	611,287	34.79	17,571
2018	1,867,049.73	29,020	25,257	2,028,498	34.89	58,140
	132,187,416.47	33,406,860	29,075,101	116,331,057		3,431,032
	269,186,472.58	71,712,496	60,517,960	246,117,209		6,637,894
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						37.1 2.47

AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
OSAGE						
INTERIM SURVIVOR CURVE.. IOWA 65-R1						
PROBABLE RETIREMENT YEAR.. 6-2047						
NET SALVAGE PERCENT.. -1						
1930	27,814.83	22,301	20,760	7,333	13.38	548
1931	414,903.57	330,616	307,766	111,287	13.69	8,129
1932	2,487.97	1,971	1,835	678	13.98	48
1939	423.72	322	300	128	15.97	8
1944	377.06	278	259	122	17.26	7
1946	13,202.64	9,627	8,962	4,373	17.75	246
1947	620.08	449	418	208	17.99	12
1951	15,233.91	10,778	10,033	5,353	18.90	283
1952	271,824.74	191,142	177,931	96,612	19.12	5,053
1953	95,325.95	66,620	62,016	34,264	19.33	1,773
1957	7,220.54	4,919	4,579	2,714	20.15	135
1958	4,667.47	3,158	2,940	1,774	20.35	87
1959	1,078.26	725	675	414	20.54	20
1967	5,293.60	3,356	3,124	2,222	21.96	101
1979	44,444.56	25,172	23,432	21,457	23.68	906
1985	7,815.52	4,101	3,818	4,076	24.38	167
1994	348,068.38	155,648	144,891	206,658	25.21	8,197
1996	29,411.77	12,550	11,683	18,023	25.36	711
1997	13,600.65	5,656	5,265	8,472	25.43	333
1999	1,146,407.94	450,250	419,131	738,741	25.57	28,891
2000	18,768.19	7,139	6,646	12,310	25.64	480
2001	1,660,187.67	610,385	568,199	1,108,591	25.70	43,136
2002	218,935.41	77,573	72,212	148,913	25.76	5,781
2003	6,946.11	2,365	2,202	4,814	25.82	186
2008	209,821.70	54,622	50,847	161,073	26.09	6,174
2009	258,081.79	62,416	58,102	202,560	26.14	7,749
2010	8,817,849.81	1,959,950	1,824,490	7,081,538	26.19	270,391
2012	5,776,763.68	1,038,430	966,660	4,867,871	26.28	185,231
2013	5,942,518.33	930,361	866,060	5,135,883	26.33	195,058
2014	41,657.81	5,505	5,125	36,950	26.37	1,401
2015	366,761.65	38,899	36,211	334,219	26.42	12,650
2016	4,681,835.19	366,045	340,746	4,387,907	26.46	165,832
2017	91,389.92	4,409	4,104	88,200	26.51	3,327
2018	19,755.36	333	310	19,643	26.55	740
	30,561,495.78	6,458,071	6,011,729	24,855,382		953,791

AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TAUM SAUK						
INTERIM SURVIVOR CURVE.. IOWA 65-R1						
PROBABLE RETIREMENT YEAR.. 6-2089						
NET SALVAGE PERCENT.. -3						
1963	1,471,932.62	846,206	669,230	846,860	28.72	29,487
1964	457.62	259	205	267	29.26	9
1966	594.96	327	259	354	30.34	12
1969	2,348.51	1,228	971	1,448	31.97	45
1999	2,083.03	492	389	1,756	47.70	37
2002	203,283.54	41,569	32,875	176,507	49.01	3,601
2004	469,216.28	85,668	67,751	415,541	49.85	8,336
2005	289,314.46	49,625	39,246	258,747	50.25	5,149
2008	1,191,872.52	163,250	129,108	1,098,521	51.44	21,355
2009	515,500.63	64,459	50,978	479,988	51.82	9,263
2010	7,361,070.60	832,796	658,625	6,923,278	52.19	132,655
2011	936,879.96	94,414	74,668	890,318	52.56	16,939
2012	2,931.16	259	205	2,814	52.92	53
2013	156.63	12	9	152	53.27	3
2014	162,113.21	10,122	8,005	158,972	53.62	2,965
2015	16,003.94	785	621	15,863	53.96	294
2016	51,362.03	1,816	1,436	51,467	54.30	948
2017	412,958.36	8,920	7,054	418,293	54.62	7,658
2018	56,458.47	410	324	57,828	54.95	1,052
	13,146,538.53	2,202,617	1,741,961	11,798,974		239,861

KEOKUK
INTERIM SURVIVOR CURVE.. IOWA 65-R1
PROBABLE RETIREMENT YEAR.. 6-2055
NET SALVAGE PERCENT.. -1

1913	119,386.94	105,852	91,809	28,772	7.94	3,624
1915	934.27	819	710	233	8.57	27
1916	17,816.68	15,534	13,473	4,522	8.89	509
1917	3,224.56	2,795	2,424	833	9.22	90
1918	4,388.35	3,781	3,279	1,153	9.55	121
1925	277.24	228	198	82	11.96	7
1927	525.21	427	370	160	12.67	13
1929	208.53	167	145	66	13.40	5
1930	229.18	182	158	74	13.76	5
1931	4,318.39	3,414	2,961	1,400	14.12	99
1932	268.46	211	183	88	14.48	6
1939	1,882.99	1,404	1,218	684	16.99	40
1940	7,942.43	5,876	5,096	2,925	17.35	169

AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KEOKUK						
INTERIM SURVIVOR CURVE.. IOWA 65-R1						
PROBABLE RETIREMENT YEAR.. 6-2055						
NET SALVAGE PERCENT.. -1						
1941	3,931.40	2,886	2,503	1,468	17.70	83
1942	6,297.25	4,589	3,980	2,380	18.04	132
1943	2,276.91	1,646	1,428	872	18.39	47
1945	136.95	98	85	53	19.07	3
1946	19,585.88	13,838	12,002	7,780	19.40	401
1947	19,752.78	13,849	12,012	7,939	19.73	402
1948	121,317.19	84,387	73,192	49,339	20.06	2,460
1949	20,266.13	13,984	12,129	8,340	20.39	409
1950	3,825.22	2,619	2,272	1,592	20.71	77
1951	73,447.99	49,886	43,268	30,915	21.02	1,471
1952	195,313.75	131,563	114,109	83,158	21.34	3,897
1953	215,195.79	143,778	124,704	92,644	21.65	4,279
1954	34,844.11	23,092	20,028	15,164	21.95	691
1955	27,491.48	18,066	15,669	12,097	22.26	543
1956	27,105.77	17,667	15,323	12,054	22.55	535
1957	2,575.38	1,664	1,443	1,158	22.85	51
1958	98,355.58	63,013	54,653	44,686	23.14	1,931
1959	110,684.11	70,287	60,962	50,829	23.43	2,169
1960	5,851.52	3,684	3,195	2,715	23.71	115
1961	33,093.97	20,646	17,907	15,518	23.99	647
1962	16,739.01	10,350	8,977	7,929	24.26	327
1963	905.72	555	481	433	24.53	18
1965	46,013.50	27,659	23,990	22,484	25.06	897
1966	1,178.25	701	608	582	25.32	23
1967	735.24	433	376	367	25.57	14
1968	11,139.64	6,500	5,638	5,613	25.82	217
1969	3,626.71	2,094	1,816	1,847	26.07	71
1970	31,142.53	17,796	15,435	16,019	26.31	609
1971	1,604.10	907	787	833	26.55	31
1976	2,407.73	1,284	1,114	1,318	27.67	48
1978	23,539.19	12,237	10,614	13,161	28.09	469
1979	4,229.64	2,169	1,881	2,391	28.30	84
1980	23,280.84	11,778	10,215	13,298	28.49	467
1983	31,053.44	15,021	13,028	18,336	29.07	631
1984	3,543.75	1,687	1,463	2,116	29.25	72
1985	11,636.61	5,451	4,728	7,025	29.42	239
1986	8,516.27	3,921	3,401	5,201	29.60	176
1988	72,683.66	32,273	27,991	45,419	29.93	1,518
1990	27,136.99	11,582	10,045	17,363	30.24	574
1992	66,907.14	27,339	23,712	43,864	30.54	1,436
1993	691,065.59	275,945	239,337	458,640	30.68	14,949

AMEREN MISSOURI

ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KEOKUK						
INTERIM SURVIVOR CURVE.. IOWA 65-R1						
PROBABLE RETIREMENT YEAR.. 6-2055						
NET SALVAGE PERCENT.. -1						
1994	27,857.98	10,852	9,412	18,724	30.82	608
1995	159,287.64	60,472	52,449	108,431	30.95	3,503
1997	8,748.34	3,138	2,722	6,114	31.21	196
1998	285,940.61	99,469	86,273	202,527	31.33	6,464
2001	2,243,494.07	702,143	608,993	1,656,936	31.67	52,319
2002	1,057,060.54	317,642	275,502	792,129	31.78	24,925
2003	545,511.97	156,960	136,137	414,830	31.88	13,012
2004	16,877.04	4,631	4,017	13,029	31.98	407
2005	1,815,614.39	472,966	410,220	1,423,551	32.08	44,375
2006	614,004.10	151,173	131,117	489,027	32.17	15,201
2007	1,083,910.50	250,402	217,182	877,567	32.27	27,195
2009	38,974.97	7,764	6,734	32,631	32.44	1,006
2011	26,177.10	4,303	3,732	22,707	32.61	696
2012	48,034.40	7,008	6,078	42,436	32.69	1,298
2013	119,266.51	15,081	13,080	107,379	32.77	3,277
2014	380,290.66	40,291	34,946	349,148	32.85	10,629
2015	479,492.18	40,569	35,187	449,100	32.92	13,642
2016	3,064,500.51	189,330	164,212	2,930,933	33.00	88,816
2017	5,570,928.54	212,799	184,568	5,442,070	33.07	164,562
2018	14,105.65	187	162	14,085	33.14	425
	19,861,915.64	4,036,794	3,501,249	16,559,286		520,484
	63,569,949.95	12,697,482	11,254,939	53,213,642		1,714,136
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						31.0 2.70

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
OSAGE						
INTERIM SURVIVOR CURVE.. IOWA 50-R0.5						
PROBABLE RETIREMENT YEAR.. 6-2047						
NET SALVAGE PERCENT.. 0						
1931	2,568.57	2,271	793-	3,361	5.79	580
1932	240.17	210	73-	313	6.21	50
1935	827.37	704	246-	1,073	7.44	144
1942	274.29	218	76-	350	10.23	34
1943	215.47	170	59-	275	10.62	26
1944	116.18	91	32-	148	11.02	13
1945	2,713.78	2,094	731-	3,445	11.42	302
1947	1,500.73	1,134	396-	1,897	12.22	155
1948	746.35	558	195-	941	12.61	75
1951	385.69	280	98-	483	13.69	35
1952	736.28	529	185-	921	14.03	66
1953	401.25	286	100-	501	14.36	35
1954	138.85	98	34-	173	14.67	12
1955	1,313.88	919	321-	1,635	14.98	109
1956	998.91	692	242-	1,241	15.28	81
1957	899.03	617	215-	1,114	15.58	72
1958	719.38	489	171-	890	15.87	56
1959	3,408.22	2,298	802-	4,211	16.15	261
1960	5,946.65	3,974	1,388-	7,334	16.42	447
1964	1,504.07	969	338-	1,842	17.48	105
1968	523.69	325	113-	637	18.45	35
1969	301.28	185	65-	366	18.69	20
1970	1,298.04	789	275-	1,574	18.91	83
1972	452.98	270	94-	547	19.36	28
1973	8,743.76	5,149	1,798-	10,542	19.57	539
1975	320.51	185	65-	385	19.99	19
1976	6,183.03	3,521	1,229-	7,412	20.19	367
1977	5,184.82	2,919	1,019-	6,204	20.39	304
1978	665.80	370	129-	795	20.58	39
1979	9,056.79	4,976	1,737-	10,794	20.77	520
1980	1,239.99	673	235-	1,475	20.96	70
1981	1,380.32	739	258-	1,638	21.14	77
1982	5,241.20	2,768	966-	6,208	21.32	291
1983	33,552.93	17,476	6,102-	39,655	21.49	1,845
1984	14,943.53	7,672	2,679-	17,622	21.66	814
1985	4,634.94	2,345	819-	5,454	21.82	250
1987	1,663.14	815	285-	1,948	22.14	88
1989	7,681.59	3,636	1,270-	8,951	22.44	399
1990	33,618.43	15,626	5,456-	39,074	22.58	1,730
1991	31,423.52	14,323	5,001-	36,424	22.72	1,603
1992	56,491.27	25,244	8,814-	65,305	22.85	2,858

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
OSAGE						
INTERIM SURVIVOR CURVE.. IOWA 50-R0.5						
PROBABLE RETIREMENT YEAR.. 6-2047						
NET SALVAGE PERCENT.. 0						
1993	19,036.41	8,327	2,907-	21,944	22.98	955
1994	109,215.20	46,710	16,309-	125,524	23.11	5,432
1995	22,733.33	9,498	3,316-	26,050	23.23	1,121
1996	9,017.32	3,673	1,282-	10,300	23.35	441
1997	40,203.81	15,951	5,569-	45,773	23.46	1,951
1998	7,911.40	3,050	1,065-	8,976	23.58	381
1999	52,491.50	19,643	6,858-	59,350	23.68	2,506
2000	30,263.04	10,964	3,828-	34,091	23.78	1,434
2001	32,365.41	11,329	3,956-	36,321	23.88	1,521
2002	182,062.35	61,359	21,423-	203,486	23.98	8,486
2003	58,285.03	18,866	6,587-	64,872	24.07	2,695
2004	50,684.95	15,688	5,477-	56,162	24.16	2,325
2005	38,661.62	11,411	3,984-	42,646	24.24	1,759
2006	141,553.84	39,611	13,830-	155,384	24.32	6,389
2007	4,094.59	1,081	377-	4,472	24.40	183
2008	19,798.80	4,890	1,707-	21,506	24.48	879
2009	272,699.83	62,568	21,846-	294,545	24.55	11,998
2010	526,214.80	110,979	38,748-	564,963	24.62	22,947
2011	64,432.54	12,308	4,297-	68,730	24.69	2,784
2012	50,895.98	8,665	3,025-	53,921	24.76	2,178
2013	143,162.28	21,265	7,425-	150,587	24.82	6,067
2014	169,481.81	21,155	7,386-	176,868	24.89	7,106
2015	54,400.15	5,454	1,904-	56,304	24.95	2,257
2016	137,744.25	10,152	3,545-	141,289	25.01	5,649
2017	87,072.52	3,977	1,389-	88,461	25.07	3,529
2018	336,196.12	5,399	1,885-	338,081	25.12	13,459
	2,910,935.56	672,580	234,831-	3,145,767		131,069

TAUM SAUK

INTERIM SURVIVOR CURVE.. IOWA 50-R0.5

PROBABLE RETIREMENT YEAR.. 6-2089

NET SALVAGE PERCENT.. 0

1963	56,173.91	34,805	154	56,019	19.02	2,945
1964	925.03	565	3	923	19.48	47
1965	1,004.94	604	3	1,002	19.94	50
1967	4,505.77	2,625	12	4,494	20.87	215
1970	1,652.72	915	4	1,649	22.31	74
1971	57,714.73	31,397	139	57,575	22.80	2,525

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TAUM SAUK						
INTERIM SURVIVOR CURVE.. IOWA 50-R0.5						
PROBABLE RETIREMENT YEAR.. 6-2089						
NET SALVAGE PERCENT.. 0						
1972	314.14	168	1	313	23.29	13
1975	5,024.49	2,532	11	5,013	24.80	202
1983	12,853.74	5,393	24	12,830	29.02	442
1986	7,930.25	3,064	14	7,917	30.68	258
1987	733.83	275	1	733	31.24	23
1990	66,228.66	22,610	100	66,128	32.93	2,008
1993	11,136.69	3,424	15	11,121	34.60	321
1994	100,600.33	29,779	132	100,468	35.15	2,858
1995	1,086.30	309	1	1,085	35.70	30
1997	5,611.72	1,469	7	5,605	36.78	152
1999	76,635.07	18,315	81	76,554	37.83	2,024
2000	10,929.90	2,488	11	10,919	38.35	285
2001	23,247.17	5,018	22	23,225	38.87	598
2002	151,296.53	30,939	137	151,159	39.37	3,839
2003	15,183.57	2,926	13	15,171	39.88	380
2004	23,667.16	4,291	19	23,648	40.37	586
2005	179,997.99	30,511	135	179,863	40.86	4,402
2006	18,415.94	2,907	13	18,403	41.34	445
2007	15,192.18	2,215	10	15,182	41.82	363
2008	1,579,413.85	211,863	940	1,578,474	42.28	37,334
2009	907,239.46	110,520	491	906,749	42.75	21,211
2010	263,305.16	28,919	128	263,177	43.20	6,092
2011	139,704.89	13,606	60	139,645	43.65	3,199
2012	225,140.94	19,155	85	225,056	44.09	5,104
2013	49,473.95	3,587	16	49,458	44.52	1,111
2014	412,122.65	24,653	109	412,013	44.95	9,166
2015	37,683.91	1,765	8	37,676	45.37	830
2016	177,563.76	5,996	27	177,537	45.78	3,878
2017	95,568.35	1,966	9	95,560	46.18	2,069
2018	28,088.98	192	1	28,088	46.58	603
	4,763,368.66	661,766	2,937	4,760,432		115,682

KEOKUK
INTERIM SURVIVOR CURVE.. IOWA 50-R0.5
PROBABLE RETIREMENT YEAR.. 6-2055
NET SALVAGE PERCENT.. 0

1913	6,488.18	6,488	6,488
1916	1,211.03	1,211	1,211

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KEOKUK						
INTERIM SURVIVOR CURVE.. IOWA 50-R0.5						
PROBABLE RETIREMENT YEAR.. 6-2055						
NET SALVAGE PERCENT.. 0						
1917	6,079.21	6,079	6,079			
1918	511.02	511	511			
1919	746.97	743	421	326	0.25	326
1923	1,341.02	1,282	726	615	2.19	281
1924	1,227.80	1,162	658	569	2.66	214
1925	216.26	203	115	101	3.13	32
1928	367.92	335	190	178	4.49	40
1929	117.84	106	60	58	4.93	12
1930	350.35	313	177	173	5.36	32
1936	2,156.49	1,818	1,030	1,126	7.84	144
1937	632.17	528	299	333	8.24	40
1938	176.37	146	83	94	8.64	11
1939	615.70	504	286	330	9.04	37
1940	1,146.96	931	528	619	9.43	66
1941	653.55	525	298	356	9.83	36
1942	1,819.98	1,448	821	999	10.23	98
1943	699.15	551	312	387	10.62	36
1944	962.23	750	425	537	11.02	49
1945	181.02	140	79	102	11.42	9
1946	5,853.49	4,470	2,533	3,320	11.82	281
1947	736.82	557	316	421	12.22	34
1948	890.51	666	377	513	12.62	41
1949	2,543.05	1,881	1,066	1,477	13.02	113
1950	2,482.52	1,816	1,029	1,453	13.43	108
1951	689.94	499	283	407	13.84	29
1952	1,980.01	1,416	802	1,178	14.25	83
1953	13,248.37	9,361	5,305	7,944	14.67	542
1954	7,461.70	5,210	2,952	4,509	15.09	299
1955	3,327.39	2,295	1,301	2,027	15.51	131
1956	3,235.88	2,205	1,250	1,986	15.93	125
1957	6,088.11	4,099	2,323	3,765	16.33	231
1958	9,152.83	6,089	3,451	5,702	16.73	341
1959	7,102.69	4,669	2,646	4,457	17.12	260
1960	2,618.90	1,700	963	1,656	17.51	95
1961	4,147.77	2,662	1,509	2,639	17.88	148
1962	2,664.00	1,689	957	1,707	18.25	94
1963	3,437.52	2,153	1,220	2,217	18.61	119
1964	2,662.76	1,648	934	1,729	18.97	91
1965	10,409.94	6,364	3,606	6,804	19.32	352
1966	2,436.16	1,471	834	1,603	19.67	81
1967	3,496.44	2,085	1,182	2,315	20.01	116

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KEOKUK						
INTERIM SURVIVOR CURVE.. IOWA 50-R0.5						
PROBABLE RETIREMENT YEAR.. 6-2055						
NET SALVAGE PERCENT.. 0						
1968	1,882.76	1,109	628	1,254	20.35	62
1969	7,102.46	4,129	2,340	4,763	20.68	230
1970	6,924.72	3,974	2,252	4,673	21.01	222
1971	2,888.08	1,636	927	1,961	21.33	92
1972	5,720.44	3,198	1,812	3,908	21.65	181
1973	282.49	156	88	194	21.97	9
1974	10,764.72	5,853	3,317	7,448	22.28	334
1975	1,676.93	899	509	1,167	22.58	52
1976	1,250.47	661	375	876	22.88	38
1977	8,205.42	4,272	2,421	5,785	23.18	250
1978	6,463.40	3,316	1,879	4,584	23.47	195
1979	3,893.93	1,967	1,115	2,779	23.75	117
1980	4,721.55	2,348	1,331	3,391	24.03	141
1981	17,036.58	8,336	4,724	12,313	24.31	506
1982	9,641.98	4,640	2,629	7,013	24.58	285
1983	37,755.81	17,865	10,124	27,632	24.84	1,112
1984	27,303.34	12,691	7,192	20,112	25.10	801
1985	18,591.86	8,485	4,808	13,784	25.36	544
1986	7,935.72	3,554	2,014	5,922	25.61	231
1987	1,243.28	546	309	934	25.85	36
1988	7,557.02	3,253	1,843	5,714	26.09	219
1989	102,671.16	43,280	24,526	78,145	26.32	2,969
1990	86,320.36	35,594	20,171	66,150	26.55	2,492
1991	46,381.98	18,698	10,596	35,786	26.77	1,337
1992	88,943.09	35,010	19,840	69,103	26.99	2,560
1993	49,289.94	18,930	10,727	38,563	27.20	1,418
1994	141,818.32	53,049	30,062	111,756	27.41	4,077
1995	130,512.06	47,502	26,919	103,593	27.61	3,752
1996	78,814.01	27,872	15,795	63,019	27.80	2,267
1997	50,248.29	17,241	9,770	40,478	27.99	1,446
1998	188,273.76	62,565	35,455	152,819	28.17	5,425
1999	119,203.12	38,259	21,681	97,522	28.35	3,440
2000	138,210.95	42,791	24,249	113,962	28.52	3,996
2001	58,893.08	17,531	9,935	48,959	28.69	1,706
2002	309,734.24	88,442	50,119	259,616	28.85	8,999
2003	47,786.69	13,054	7,397	40,389	29.00	1,393
2004	58,936.34	15,332	8,688	50,248	29.15	1,724
2005	406,795.40	100,312	56,845	349,950	29.30	11,944
2006	103,413.89	24,068	13,639	89,775	29.44	3,049
2007	59,458.81	12,995	7,364	52,095	29.57	1,762
2008	5,411.87	1,102	624	4,787	29.70	161

AMEREN MISSOURI

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KEOKUK						
INTERIM SURVIVOR CURVE.. IOWA 50-R0.5						
PROBABLE RETIREMENT YEAR.. 6-2055						
NET SALVAGE PERCENT.. 0						
2009	91,347.13	17,181	9,736	81,611	29.83	2,736
2010	23,598.39	4,058	2,300	21,299	29.95	711
2011	10,312.33	1,599	906	9,406	30.07	313
2012	198,233.87	27,194	15,410	182,823	30.19	6,056
2013	152,893.32	18,184	10,305	142,589	30.30	4,706
2014	127,927.55	12,729	7,213	120,714	30.41	3,970
2015	154,204.61	12,281	6,959	147,245	30.51	4,826
2016	417,502.41	24,274	13,756	403,747	30.62	13,186
2017	485,232.88	17,362	9,839	475,394	30.72	15,475
2018	82,278.71	1,028	583	81,696	30.81	2,652
	4,327,859.54	1,033,184	591,681	3,736,179		131,382
	12,002,163.76	2,367,530	359,787	11,642,378		378,133
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						30.8 3.15

AMEREN MISSOURI

ACCOUNT 335.21 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
OSAGE						
SURVIVOR CURVE.. 20-SQUARE						
NET SALVAGE PERCENT.. 0						
2009	17,439.71	8,284	7,569	9,871	10.50	940
2012	42,209.87	13,718	12,533	29,676	13.50	2,198
2013	23,001.62	6,325	5,779	17,223	14.50	1,188
	82,651.20	28,327	25,881	56,770		4,326
TAUM SAUK						
SURVIVOR CURVE.. 20-SQUARE						
NET SALVAGE PERCENT.. 0						
2001	3,183.82	2,786	2,674	510	2.50	204
2007	2,015.66	1,159	1,112	903	8.50	106
2009	40,740.84	19,352	18,575	22,166	10.50	2,111
2010	6,111.42	2,597	2,493	3,619	11.50	315
2015	27,269.24	4,772	4,580	22,689	16.50	1,375
2017	58,033.22	4,352	4,177	53,856	18.50	2,911
2018	1,918.94	48	46	1,873	19.50	96
	139,273.14	35,066	33,658	105,615		7,118
KEOKUK						
SURVIVOR CURVE.. 20-SQUARE						
NET SALVAGE PERCENT.. 0						
2004	4,981.33	3,611	3,442	1,539	5.50	280
2005	63,040.94	42,553	40,566	22,475	6.50	3,458
2014	9,113.76	2,051	1,955	7,159	15.50	462
	77,136.03	48,215	45,964	31,172		4,200
	299,060.37	111,608	105,503	193,557		15,644
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						12.4 5.23

AMEREN MISSOURI

ACCOUNT 335.22 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
OSAGE						
SURVIVOR CURVE.. 15-SQUARE						
NET SALVAGE PERCENT.. 0						
2009	14,732.79	9,331	8,262	6,471	5.50	1,177
2010	34,108.08	19,328	17,113	16,995	6.50	2,615
2012	9,682.52	4,196	3,715	5,967	8.50	702
2013	15,685.78	5,752	5,093	10,593	9.50	1,115
2016	22,165.63	3,694	3,271	18,895	12.50	1,512
2018	1,238.42	41	36	1,202	14.50	83
	97,613.22	42,342	37,489	60,124		7,204
TAUM SAUK						
SURVIVOR CURVE.. 15-SQUARE						
NET SALVAGE PERCENT.. 0						
2004	3,161.21	3,056	2,835	326	0.50	326
2005	1,607.50	1,447	1,342	265	1.50	177
2008	25,104.44	17,573	16,301	8,803	4.50	1,956
2009	37,918.80	24,015	22,277	15,642	5.50	2,844
2010	436,447.67	247,322	229,420	207,027	6.50	31,850
2011	4,268.19	2,134	1,980	2,289	7.50	305
2014	68,904.19	20,671	19,175	49,729	10.50	4,736
2016	13,484.52	2,247	2,084	11,400	12.50	912
2018	14,792.93	493	457	14,336	14.50	989
	605,689.45	318,958	295,871	309,818		44,095
KEOKUK						
SURVIVOR CURVE.. 15-SQUARE						
NET SALVAGE PERCENT.. 0						
2007	17,571.56	13,472	12,362	5,209	3.50	1,488
2010	31,880.88	18,066	16,578	15,303	6.50	2,354
2011	16,395.42	8,198	7,523	8,873	7.50	1,183
2012	20,851.92	9,036	8,292	12,560	8.50	1,478

AMEREN MISSOURI

ACCOUNT 335.22 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KEOKUK						
SURVIVOR CURVE.. 15-SQUARE						
NET SALVAGE PERCENT.. 0						
2014	31,277.64	9,383	8,610	22,668	10.50	2,159
2015	1,007.83	235	216	792	11.50	69
2016	2,191.09	365	335	1,856	12.50	148
	121,176.34	58,755	53,915	67,261		8,879
	824,479.01	420,055	387,275	437,203		60,178
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						7.3 7.30

AMEREN MISSOURI

ACCOUNT 335.23 MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
OSAGE						
SURVIVOR CURVE.. 5-SQUARE						
NET SALVAGE PERCENT.. 0						
2014	19,950.94	17,956	13,544	6,407	0.50	6,407
2015	40,513.77	28,360	21,392	19,122	1.50	12,748
2016	25,944.16	12,972	9,785	16,159	2.50	6,464
2017	29,676.27	8,903	6,716	22,961	3.50	6,560
2018	749,663.34	74,966	56,547	693,116	4.50	154,026
	865,748.48	143,157	107,984	757,764		186,205
TAUM SAUK						
SURVIVOR CURVE.. 5-SQUARE						
NET SALVAGE PERCENT.. 0						
2014	287,068.24	258,361	256,191	30,877	0.50	30,877
2016	5,439.14	2,720	2,697	2,742	2.50	1,097
2017	1,676.02	503	499	1,177	3.50	336
2018	36,241.82	3,624	3,594	32,648	4.50	7,255
	330,425.22	265,208	262,981	67,444		39,565
KEOKUK						
SURVIVOR CURVE.. 5-SQUARE						
NET SALVAGE PERCENT.. 0						
2014	15,373.25	13,836	7,772	7,602	0.50	7,602
2015	42,783.39	29,948	16,821	25,962	1.50	17,308
2016	23,875.57	11,938	6,705	17,170	2.50	6,868
2018	4,624.74	462	260	4,365	4.50	970
	86,656.95	56,184	31,558	55,099		32,748
	1,282,830.65	464,549	402,523	880,307		258,518
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						3.4 20.15

AMEREN MISSOURI

ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
OSAGE						
INTERIM SURVIVOR CURVE.. IOWA 50-R0.5						
PROBABLE RETIREMENT YEAR.. 6-2047						
NET SALVAGE PERCENT.. 0						
1945	5,980.87	4,615	5,981			
1955	60,252.94	42,136	60,253			
1963	2,957.19	1,922	2,957			
1966	3,737.17	2,361	3,737			
1970	4,516.86	2,744	51,242	46,725-		
	77,445.03	53,778	124,170	46,725-		
TAUM SAUK						
INTERIM SURVIVOR CURVE.. IOWA 50-R0.5						
PROBABLE RETIREMENT YEAR.. 6-2089						
NET SALVAGE PERCENT.. 0						
1963	4,721.33	2,925	4,721			
1965	27,492.39	16,528	27,492			
1969	4,431.27	2,497	4,431			
1982	6,693.76	2,881	6,491	203	28.48	7
2009	162,082.91	19,745	44,486	117,597	42.75	2,751
2010	27,330.13	3,002	6,764	20,567	43.20	476
	232,751.79	47,578	94,385	138,367		3,234
KEOKUK						
INTERIM SURVIVOR CURVE.. IOWA 50-R0.5						
PROBABLE RETIREMENT YEAR.. 6-2055						
NET SALVAGE PERCENT.. 0						
1951	16,005.64	11,575	16,006			
1961	13,161.36	8,445	12,133	1,028	17.88	57
1967	32,591.81	19,435	27,923	4,669	20.01	233
1999	53,167.27	17,065	24,518	28,649	28.35	1,011
	114,926.08	56,520	80,580	34,346		1,301
	425,122.90	157,876	299,135	125,988		4,535
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						27.8 1.07

AMEREN MISSOURI

ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -5						
1947	8.06	8	8			
1949	130,999.93	137,550	137,550			
1951	48,027.53	50,366	50,429			
1954	2,901.54	2,990	3,047			
1974	164,247.22	145,771	167,357	5,103	6.19	824
1977	12,643.15	10,823	12,426	849	7.39	115
1978	315,982.28	266,752	306,254	25,527	7.84	3,256
1979	6,598.78	5,489	6,302	627	8.31	75
1980	3,354.71	2,748	3,155	367	8.80	42
1984	13,247.43	10,081	11,574	2,336	11.01	212
1986	4,378.19	3,189	3,661	936	12.25	76
1991	13,939.04	8,902	10,220	4,416	15.67	282
1993	26,272.21	15,758	18,092	9,494	17.15	554
1994	2,879.83	1,670	1,917	1,107	17.91	62
1995	35,113.78	19,642	22,551	14,318	18.69	766
1997	16,196.82	8,380	9,621	7,386	20.29	364
1998	31,151.59	15,455	17,744	14,965	21.10	709
1999	14,893.92	7,065	8,111	7,528	21.93	343
2000	4,359,829.98	1,970,752	2,262,590	2,315,231	22.78	101,634
2001	10,158,872.08	4,365,394	5,011,842	5,654,974	23.63	239,313
2002	7,792,144.33	3,172,474	3,642,269	4,539,483	24.49	185,361
2003	3,419,635.74	1,313,268	1,507,743	2,082,875	25.37	82,100
2004	2,160,732.65	779,322	894,728	1,374,041	26.26	52,324
2005	5,653,384.43	1,906,957	2,189,348	3,746,706	27.15	138,000
2006	512,859.48	160,743	184,547	353,955	28.06	12,614
2007	31,704.56	9,171	10,529	22,761	28.98	785
2008	648,308.39	171,883	197,336	483,388	29.90	16,167
2009	1,633,799.46	393,276	451,514	1,263,975	30.83	40,998
2010	134,998.91	29,165	33,484	108,265	31.77	3,408
2012	6,363,819.23	1,055,758	1,212,099	5,469,911	33.68	162,408
2013	1,034,631.57	145,573	167,130	919,233	34.64	26,537
2014	3,194,547.55	368,970	423,608	2,930,667	35.60	82,322
2015	247,648.24	22,298	25,600	234,431	36.57	6,410
2016	158,266.85	10,179	11,687	154,493	37.55	4,114
2017	277,245.34	10,698	12,282	278,826	38.53	7,237
2018	739,187.92	9,508	10,916	765,231	39.51	19,368
	49,364,452.72	16,608,028	19,039,271	32,793,404		1,188,780

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 27.6 2.41

AMEREN MISSOURI

ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -5						
1973	6,248.33	5,270	6,561			
1974	233,234.40	194,176	244,896			
1975	97,533.93	80,085	101,023	1,388	9.81	141
1978	435,457.48	341,295	430,527	26,703	11.41	2,340
1980	7,887.01	5,968	7,528	753	12.57	60
1982	28,177.51	20,500	25,860	3,726	13.82	270
1983	104,579.25	74,524	94,008	15,800	14.46	1,093
1984	847.82	591	746	144	15.13	10
1991	9,666.22	5,594	7,057	3,093	20.20	153
1995	97,668.08	49,270	62,152	40,399	23.38	1,728
1996	191,612.48	92,951	117,253	83,940	24.21	3,467
1997	3,713.00	1,729	2,181	1,718	25.04	69
2000	3,740,068.00	1,517,577	1,914,348	2,012,723	27.61	72,898
2001	11,871,934.30	4,573,479	5,769,218	6,696,313	28.49	235,041
2002	8,776,601.02	3,200,796	4,037,646	5,177,785	29.37	176,295
2003	2,723,334.48	936,001	1,180,719	1,678,782	30.27	55,460
2005	2,432,918.85	733,441	925,199	1,629,366	32.08	50,791
2008	74,426.93	17,609	22,213	55,935	34.86	1,605
2009	1,782,087.81	382,135	482,044	1,389,148	35.81	38,792
2011	222,929.87	37,920	47,834	186,242	37.71	4,939
2012	13,503,699.99	1,994,544	2,516,019	11,662,866	38.67	301,600
2013	285,980.05	35,832	45,200	255,079	39.63	6,437
2014	77,626.07	7,970	10,054	71,453	40.60	1,760
2015	138,039.07	11,047	13,935	131,006	41.57	3,151
2016	1,133,235.32	64,778	81,715	1,108,182	42.55	26,044
2017	507,006.24	17,392	21,939	510,418	43.53	11,726
2018	182,311.49	2,085	2,630	188,797	44.51	4,242
	48,668,825.00	14,404,559	18,170,505	32,931,761		1,000,112
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						32.9 2.05

AMEREN MISSOURI

ACCOUNT 344 GENERATORS - OTHER CTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -5						
1974	8,277,181.78	7,373,827	8,691,041			
1978	18,167,572.09	15,243,783	19,075,951			
1979	26,349.13	21,715	27,667			
1990	2,015.74	1,279	1,909	208	17.81	12
1995	29,683.85	15,833	23,629	7,539	22.14	341
2000	89,830,806.85	38,210,926	57,024,568	37,297,779	26.77	1,393,268
2001	285,249,527.60	115,012,610	171,640,552	127,871,452	27.72	4,612,967
2002	229,171,040.59	87,269,134	130,237,218	110,392,375	28.68	3,849,107
2003	184,746,158.67	66,169,700	98,749,205	95,234,262	29.65	3,211,948
2004	7,820.54	2,624	3,916	4,296	30.62	140
2005	145,706,625.96	45,591,603	68,039,217	84,952,740	31.59	2,689,229
2006	1,072,209.57	310,726	463,716	662,104	32.58	20,322
2007	1,612,207.18	430,348	642,235	1,050,583	33.56	31,305
2008	1,564,492.60	381,472	569,295	1,073,422	34.55	31,069
2009	2,367,570.03	522,596	779,903	1,706,046	35.54	48,004
2010	797,073.75	157,526	235,086	601,841	36.53	16,475
2011	776,536.21	135,530	202,260	613,103	37.52	16,341
2012	14,028,727.93	2,124,384	3,170,352	11,559,812	38.51	300,177
2013	7,531,279.04	964,757	1,439,767	6,468,076	39.51	163,707
2014	396,747.32	41,567	62,033	354,552	40.51	8,752
2015	1,129,351.78	92,233	137,645	1,048,174	41.50	25,257
2016	1,935,716.34	112,926	168,527	1,863,975	42.50	43,858
2017	3,219,321.42	112,665	168,137	3,212,150	43.50	73,843
2018	2,705,733.78	31,564	47,105	2,793,915	44.50	62,785
	1,000,351,749.75	380,331,328	561,600,934	488,768,403		16,598,907
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						29.4 1.66

AMEREN MISSOURI

ACCOUNT 344 GENERATORS - MARYLAND HEIGHTS LANDFILL CTG

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-S2.5						
NET SALVAGE PERCENT.. +40						
2012	5,574,709.89	2,307,930	3,344,826			
2016	2,842,698.03	526,610	840,683	864,936	5.53	156,408
	8,417,407.92	2,834,540	4,185,509	864,936		156,408
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						5.5 1.86

AMEREN MISSOURI

ACCOUNT 344 GENERATORS - SOLAR

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-S2.5						
NET SALVAGE PERCENT.. 0						
2010	1,305,325.88	539,100	796,040	509,286	11.74	43,380
2014	9,375,593.50	2,100,133	3,101,077	6,274,516	15.52	404,286
	10,680,919.38	2,639,233	3,897,117	6,783,802		447,666
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						15.2 4.19

AMEREN MISSOURI

ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-R2.5						
NET SALVAGE PERCENT.. -5						
1967	71,873.98	64,940	75,468			
1974	867,453.25	735,264	910,826			
1977	441,319.10	360,398	463,385			
1978	1,330,901.35	1,071,492	1,397,446			
1980	1,328.26	1,037	1,392	3	10.27	
1993	6,802.29	3,880	5,208	1,934	18.27	106
2000	9,402,039.19	4,042,642	5,426,515	4,445,626	23.62	188,214
2001	31,042,211.50	12,687,340	17,030,456	15,563,866	24.43	637,080
2002	32,713,728.53	12,666,347	17,002,277	17,347,138	25.25	687,015
2003	19,398,655.14	7,088,269	9,514,717	10,853,871	26.08	416,176
2004	78,196.85	26,849	36,040	46,067	26.92	1,711
2005	7,867,683.94	2,525,822	3,390,458	4,870,610	27.77	175,391
2007	2,140,560.03	589,992	791,957	1,455,631	29.50	49,343
2008	129,069.00	32,627	43,796	91,726	30.37	3,020
2009	3,895,768.02	893,787	1,199,747	2,890,809	31.26	92,476
2010	5,013,321.16	1,033,057	1,386,692	3,877,295	32.15	120,600
2011	1,524,730.13	278,168	373,390	1,227,577	33.05	37,143
2012	6,958,476.73	1,103,266	1,480,935	5,825,466	33.96	171,539
2013	1,090,458.16	146,844	197,112	947,869	34.87	27,183
2014	5,537,056.79	611,914	821,384	4,992,526	35.79	139,495
2015	379,707.85	32,693	43,884	354,809	36.72	9,663
2016	225,030.88	13,882	18,634	217,648	37.65	5,781
2017	122,447.11	4,532	6,083	122,486	38.59	3,174
2018	28,994.53	358	481	29,963	39.53	758
	130,267,813.77	46,015,400	61,618,283	75,162,921		2,765,868

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 27.2 2.12

AMEREN MISSOURI

ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-L2.5						
NET SALVAGE PERCENT.. 0						
1951	1,785.91	1,786	1,786			
1952	6.28	6	6			
1954	1,176.53	1,177	1,177			
1974	7,924.87	6,819	7,925			
1976	1,319.33	1,117	1,319			
1978	8,028.47	6,682	8,028			
1979	5,912.00	4,875	5,912			
1980	998.94	815	999			
1994	2,571.15	1,739	2,286	285	7.12	40
1998	1,805.59	1,159	1,524	282	7.88	36
2000	167,991.66	104,308	137,120	30,872	8.34	3,702
2001	751,470.98	456,691	600,351	151,120	8.63	17,511
2002	1,772,145.26	1,048,791	1,378,706	393,439	8.98	43,813
2003	729,283.40	418,011	549,504	179,779	9.39	19,146
2004	191,766.63	105,821	139,109	52,658	9.86	5,341
2005	196,470.13	103,593	136,180	60,290	10.40	5,797
2006	236,373.11	118,080	155,224	81,149	11.01	7,370
2007	157,525.02	73,893	97,137	60,388	11.68	5,170
2008	41,745.64	18,197	23,921	17,825	12.41	1,436
2009	151,573.68	60,767	79,882	71,692	13.18	5,439
2010	26,868.85	9,771	12,845	14,024	14.00	1,002
2011	2,794.97	907	1,192	1,603	14.86	108
2012	1,345,624.59	382,897	503,344	842,281	15.74	53,512
2013	219,081.28	53,276	70,035	149,046	16.65	8,952
2014	486,416.67	97,502	128,173	358,244	17.59	20,366
2015	92,355.58	14,525	19,094	73,262	18.54	3,952
2016	72,303.11	8,151	10,715	61,588	19.52	3,155
2017	67,978.03	4,635	6,093	61,885	20.50	3,019
2018	1,122,758.64	25,520	33,548	1,089,211	21.50	50,661
	7,864,056.30	3,131,511	4,113,135	3,750,921		259,528

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 14.5 3.30

AMEREN MISSOURI

ACCOUNT 346.21 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE FURNITURE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
2000	1,298.67	1,201	1,127	172	1.50	115
2001	6,891.92	6,030	5,657	1,235	2.50	494
2002	193,343.86	159,509	149,645	43,699	3.50	12,485
2003	6,212.83	4,815	4,517	1,696	4.50	377
2004	14,916.17	10,814	10,146	4,770	5.50	867
2005	6,784.32	4,579	4,296	2,488	6.50	383
2012	49,252.25	16,007	15,017	34,235	13.50	2,536
	278,700.02	202,955	190,405	88,295		17,257
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						5.1 6.19

AMEREN MISSOURI

ACCOUNT 346.22 MISCELLANEOUS POWER PLANT EQUIPMENT - OFFICE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 15-SQUARE						
NET SALVAGE PERCENT.. 0						
2004	70,318.56	67,975	62,481	7,838	0.50	7,838
2005	11,307.16	10,176	9,354	1,953	1.50	1,302
2008	3,713.27	2,599	2,389	1,324	4.50	294
2009	76,134.31	48,218	44,321	31,813	5.50	5,784
2010	119,835.54	67,907	62,418	57,418	6.50	8,834
2011	78,691.45	39,346	36,166	42,525	7.50	5,670
2012	60,484.41	26,210	24,091	36,393	8.50	4,282
2013	5,259.77	1,929	1,773	3,487	9.50	367
2014	2,279.72	684	629	1,651	10.50	157
2016	7,297.80	1,216	1,118	6,180	12.50	494
2017	18,789.51	1,879	1,727	17,063	13.50	1,264
2018	10,667.54	356	327	10,341	14.50	713
	464,779.04	268,495	246,794	217,985		36,999
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						5.9 7.96

AMEREN MISSOURI

ACCOUNT 346.23 MISCELLANEOUS POWER PLANT EQUIPMENT - COMPUTERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
2014	25,945.42	23,351	10,778	15,167	0.50	15,167
2016	117,860.17	58,930	27,199	90,661	2.50	36,264
2017	50,692.22	15,208	7,019	43,673	3.50	12,478
2018	4,060.43	406	187	3,873	4.50	861
	198,558.24	97,895	45,183	153,375		64,770
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 2.4						32.62

AMEREN MISSOURI

ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-R2.5						
NET SALVAGE PERCENT.. -5						
1930	183,224.22	169,091	133,700	58,685	7.87	7,457
1944	51,746.96	44,504	35,189	19,145	11.76	1,628
1951	12,870.48	10,514	8,313	5,201	14.43	360
1952	23,593.00	19,109	15,109	9,664	14.86	650
1953	12,101.29	9,716	7,682	5,024	15.30	328
1958	8,853.68	6,761	5,346	3,950	17.73	223
1962	25,895.56	18,862	14,914	12,276	19.91	617
1963	177,385.04	127,569	100,868	85,386	20.48	4,169
1965	2,828.82	1,980	1,566	1,404	21.67	65
1966	15,995.46	11,038	8,728	8,067	22.28	362
1967	26,784.34	18,215	14,403	13,721	22.90	599
1968	167,177.64	111,992	88,552	86,985	23.53	3,697
1969	169,958.97	112,098	88,635	89,822	24.17	3,716
1970	159,705.78	103,658	81,962	85,729	24.82	3,454
1971	170,424.13	108,799	86,027	92,918	25.48	3,647
1972	226,379.10	142,034	112,306	125,392	26.16	4,793
1974	199,817.64	120,946	95,632	114,177	27.53	4,147
1975	13,285.70	7,894	6,242	7,708	28.22	273
1976	69,571.93	40,537	32,052	40,999	28.93	1,417
1977	14,255.79	8,143	6,439	8,530	29.64	288
1978	13,669.29	7,647	6,046	8,307	30.37	274
1980	423,040.27	226,605	179,176	265,016	31.84	8,323
1981	31,738.17	16,617	13,139	20,186	32.59	619
1982	197,451.02	100,983	79,847	127,477	33.34	3,824
1983	268,619.53	134,081	106,017	176,034	34.10	5,162
1985	1,946,523.10	922,880	729,718	1,314,131	35.65	36,862
1986	34,652.53	15,987	12,641	23,744	36.44	652
1987	26,222.84	11,763	9,301	18,233	37.23	490
1989	1,954.36	826	653	1,399	38.83	36
1990	23,067.75	9,450	7,472	16,749	39.64	423
1992	1,049.26	402	318	784	41.28	19
1993	2,043.04	755	597	1,548	42.11	37
1994	53,668.61	19,116	15,115	41,237	42.95	960
1997	18,836.83	5,934	4,692	15,087	45.50	332
1999	485,653.48	139,488	110,293	399,643	47.22	8,463
2000	279,262.34	76,239	60,282	232,943	48.10	4,843
2001	18,544.10	4,802	3,797	15,674	48.97	320
2002	96,123.50	23,525	18,601	82,329	49.85	1,652
2003	196,674.73	45,304	35,822	170,686	50.74	3,364
2005	211,036.90	42,512	33,614	187,975	52.53	3,578
2006	592,138.72	110,671	87,507	534,239	53.43	9,999
2007	10,770.64	1,856	1,468	9,841	54.33	181
2008	37,612.60	5,930	4,689	34,804	55.24	630

AMEREN MISSOURI

ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-R2.5						
NET SALVAGE PERCENT.. -5						
2010	12,782.72	1,637	1,294	12,128	57.07	213
2011	47,932.98	5,428	4,292	46,038	57.99	794
2013	28,864.00	2,406	1,902	28,405	59.84	475
2015	524,099.81	27,856	22,025	528,280	61.71	8,561
2016	14,038.45	535	423	14,317	62.64	229
2017	81,201.61	1,863	1,473	83,789	63.58	1,318
	7,411,128.71	3,156,558	2,495,879	5,285,806		144,523
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						36.6 1.95

AMEREN MISSOURI

ACCOUNT 353 STATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
NET SALVAGE PERCENT.. -5						
1913	47,269.58	48,367	49,633			
1915	472.45	479	496			
1916	829.35	837	871			
1918	3,095.75	3,094	3,251			
1920	1,808.29	1,790	1,899			
1921	890.70	877	935			
1924	2,031.69	1,970	2,119	14	4.60	3
1925	1,004.11	968	1,041	13	4.89	3
1929	77,013.26	72,710	78,192	2,672	6.05	442
1930	94,358.04	88,607	95,287	3,789	6.34	598
1931	98,382.63	91,887	98,814	4,488	6.63	677
1932	12,917.98	11,997	12,901	663	6.93	96
1934	501.48	461	496	31	7.52	4
1936	75.59	69	74	5	8.12	1
1937	36.74	33	35	4	8.42	
1938	12,964.76	11,632	12,509	1,104	8.73	126
1939	16,768.47	14,954	16,081	1,526	9.04	169
1940	1,435.16	1,272	1,368	139	9.36	15
1941	18,832.33	16,580	17,830	1,944	9.69	201
1943	1,225.22	1,065	1,145	141	10.35	14
1944	4,330.44	3,737	4,019	528	10.69	49
1945	1,454.89	1,247	1,341	187	11.04	17
1947	207,867.60	175,482	188,712	29,549	11.76	2,513
1948	77,014.31	64,504	69,367	11,498	12.14	947
1949	283,924.13	235,912	253,697	44,423	12.52	3,548
1950	67,720.26	55,806	60,013	11,093	12.91	859
1951	194,469.26	158,897	170,876	33,317	13.31	2,503
1952	646,498.52	523,712	563,195	115,628	13.71	8,434
1953	434,726.54	348,966	375,275	81,188	14.13	5,746
1954	296,421.16	235,713	253,483	57,759	14.56	3,967
1955	3,795.43	2,990	3,215	770	14.99	51
1956	197,155.47	153,743	165,334	41,679	15.44	2,699
1957	219,496.89	169,397	182,168	48,304	15.90	3,038
1958	59,284.38	45,275	48,688	13,561	16.36	829
1959	918,057.10	693,405	745,681	218,279	16.84	12,962
1960	313,737.69	234,330	251,996	77,429	17.32	4,470
1961	1,023,558.36	755,540	812,500	262,236	17.82	14,716
1962	35,202.29	25,677	27,613	9,349	18.32	510
1963	1,966,117.34	1,416,194	1,522,961	541,462	18.84	28,740
1964	481,572.10	342,492	368,312	137,339	19.36	7,094
1965	414,682.01	291,002	312,941	122,475	19.90	6,155
1966	348,498.95	241,265	259,454	106,470	20.44	5,209
1967	2,054,159.44	1,401,964	1,507,658	649,209	21.00	30,915

AMEREN MISSOURI

ACCOUNT 353 STATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
NET SALVAGE PERCENT.. -5						
1968	3,032,446.91	2,039,938	2,193,729	990,340	21.56	45,934
1969	1,808,683.72	1,198,343	1,288,686	610,432	22.14	27,571
1970	3,475,441.33	2,267,366	2,438,303	1,210,910	22.72	53,297
1971	2,910,255.12	1,868,602	2,009,476	1,046,292	23.31	44,886
1972	3,690,332.94	2,330,063	2,505,726	1,369,124	23.92	57,238
1973	375,489.43	233,077	250,649	143,615	24.53	5,855
1974	2,774,341.67	1,691,992	1,819,551	1,093,508	25.15	43,479
1975	153,065.89	91,663	98,573	62,146	25.78	2,411
1976	6,834,538.91	4,017,489	4,320,367	2,855,899	26.41	108,137
1977	208,705.46	120,308	129,378	89,763	27.06	3,317
1978	164,293.50	92,839	99,838	72,670	27.71	2,623
1979	26,639.81	14,741	15,852	12,120	28.38	427
1980	4,514,735.08	2,445,278	2,629,628	2,110,844	29.05	72,662
1981	296,947.62	157,301	169,160	142,635	29.73	4,798
1982	2,883,667.82	1,492,731	1,605,268	1,422,583	30.42	46,765
1983	5,074,145.32	2,565,361	2,758,764	2,569,089	31.11	82,581
1984	3,144,600.50	1,551,299	1,668,251	1,633,580	31.81	51,354
1985	17,703,692.32	8,513,706	9,155,554	9,433,323	32.52	290,078
1986	144,927.02	67,869	72,986	79,187	33.24	2,382
1987	325,735.79	148,380	159,566	182,457	33.97	5,371
1988	1,118,093.90	495,040	532,361	641,638	34.70	18,491
1989	1,807,031.25	776,656	835,208	1,062,175	35.44	29,971
1990	6,122.11	2,551	2,743	3,685	36.19	102
1991	1,019,326.50	411,346	442,357	627,936	36.94	16,999
1992	765,170.91	298,611	321,123	482,306	37.70	12,793
1993	1,473,028.86	554,995	596,836	949,844	38.47	24,691
1994	1,857,128.23	674,363	725,203	1,224,782	39.25	31,205
1995	707,266.83	247,170	265,804	476,826	40.03	11,912
1996	3,636,940.99	1,221,363	1,313,442	2,505,346	40.81	61,390
1997	942,018.71	303,165	326,021	663,099	41.61	15,936
1998	2,161,741.70	665,446	715,614	1,554,215	42.41	36,647
1999	6,436,965.87	1,891,319	2,033,906	4,724,908	43.21	109,348
2000	8,442,139.28	2,360,815	2,538,797	6,325,449	44.02	143,695
2001	7,857,262.56	2,084,559	2,241,714	6,008,412	44.84	133,997
2002	4,172,237.32	1,046,278	1,125,157	3,255,692	45.67	71,287
2003	15,672,401.32	3,705,402	3,984,752	12,471,269	46.49	268,257
2004	11,261,216.47	2,496,933	2,685,177	9,139,100	47.33	193,093
2005	15,295,635.28	3,166,632	3,405,364	12,655,053	48.17	262,716
2006	9,567,984.65	1,840,196	1,978,928	8,067,456	49.01	164,608
2007	7,080,002.70	1,255,083	1,349,704	6,084,299	49.87	122,003
2008	41,036,759.89	6,664,513	7,166,951	35,921,647	50.72	708,234
2009	4,989,372.76	735,167	790,591	4,448,250	51.58	86,240
2010	26,408,309.34	3,489,105	3,752,149	23,976,576	52.45	457,132

AMEREN MISSOURI

ACCOUNT 353 STATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
NET SALVAGE PERCENT.. -5						
2011	13,811,565.64	1,614,524	1,736,243	12,765,901	53.32	239,420
2012	8,069,884.21	819,121	880,874	7,592,504	54.20	140,083
2013	6,687,347.42	575,781	619,189	6,402,526	55.08	116,240
2014	16,096,789.61	1,137,987	1,223,780	15,677,849	55.96	280,162
2015	24,047,461.50	1,325,616	1,425,554	23,824,281	56.85	419,073
2016	40,294,162.40	1,586,583	1,706,196	40,602,675	57.75	703,077
2017	14,407,451.69	342,948	368,803	14,759,021	58.64	251,689
2018	11,317,975.20	89,129	95,848	11,788,026	59.55	197,952
	378,631,139.40	84,733,642	91,119,170	306,443,526		6,427,929
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						47.7 1.70

AMEREN MISSOURI

ACCOUNT 354 TOWERS AND FIXTURES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -40						
1913	575,814.22	802,682	715,355	90,785	0.30	90,785
1925	275,210.51	369,444	329,250	56,045	2.88	19,460
1929	234,290.23	309,733	276,036	51,970	3.90	13,326
1931	615,734.55	807,600	719,737	142,291	4.42	32,193
1950	761,297.93	898,793	801,009	264,808	10.97	24,139
1951	452,293.08	529,364	471,772	161,438	11.48	14,063
1952	169,005.72	196,013	174,688	61,920	12.01	5,156
1953	41,353.78	47,499	42,331	15,564	12.57	1,238
1954	130,895.66	148,828	132,636	50,618	13.15	3,849
1956	80,005.50	88,998	79,316	32,692	14.38	2,273
1957	2,263,430.34	2,488,873	2,218,097	950,705	15.02	63,296
1958	1,016,444.86	1,104,465	984,305	438,718	15.67	27,997
1959	34,643.80	37,186	33,140	15,361	16.33	941
1960	1,666,214.92	1,765,855	1,573,740	758,961	17.01	44,619
1961	346,898.96	362,855	323,378	162,281	17.70	9,168
1962	42,185.60	43,544	38,807	20,253	18.39	1,101
1963	2,181,285.25	2,220,540	1,978,957	1,074,842	19.10	56,274
1964	1,340,664.94	1,345,759	1,199,348	677,583	19.81	34,204
1965	3,439,962.66	3,402,804	3,032,597	1,783,351	20.54	86,823
1966	1,089,649.95	1,061,755	946,242	579,268	21.28	27,221
1967	1,487,235.04	1,426,862	1,271,627	810,502	22.03	36,791
1968	3,311,157.10	3,127,050	2,786,844	1,848,776	22.78	81,158
1969	1,985,493.77	1,844,520	1,643,846	1,135,845	23.55	48,231
1970	3,972,476.56	3,628,468	3,233,710	2,327,757	24.33	95,674
1971	2,265,692.49	2,033,677	1,812,424	1,359,545	25.12	54,122
1972	191,746.40	169,005	150,618	117,827	25.93	4,544
1973	1,686,322.64	1,459,006	1,300,274	1,060,578	26.74	39,663
1974	2,233,294.16	1,895,633	1,689,399	1,437,213	27.56	52,149
1975	248,274.58	206,615	184,136	163,448	28.39	5,757
1976	4,091,713.32	3,336,391	2,973,410	2,754,989	29.23	94,252
1977	283,771.06	226,505	201,862	195,417	30.09	6,494
1978	197,651.25	154,366	137,572	139,140	30.95	4,496
1979	62,468.70	47,701	42,511	44,945	31.82	1,412
1980	2,898,053.88	2,161,960	1,926,751	2,130,524	32.70	65,154
1981	250,957.67	182,746	162,864	188,477	33.59	5,611
1982	1,032,074.37	733,188	653,421	791,483	34.48	22,955
1983	246,870.41	170,884	152,293	193,326	35.39	5,463
1984	4,006.79	2,701	2,407	3,203	36.30	88
1985	14,006,931.33	9,183,028	8,183,965	11,425,739	37.22	306,978
1986	34,709.33	22,117	19,711	28,882	38.14	757
1987	228,470.05	141,332	125,956	193,902	39.07	4,963
1988	122,509.87	73,482	65,488	106,026	40.01	2,650
1989	77,194.07	44,850	39,971	68,101	40.95	1,663

AMEREN MISSOURI

ACCOUNT 354 TOWERS AND FIXTURES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -40						
1990	7,235.67	4,066	3,624	6,506	41.90	155
1991	5,404.61	2,934	2,615	4,951	42.86	116
1992	19,607.14	10,270	9,153	18,297	43.81	418
1993	6,552,115.63	3,304,926	2,945,368	6,227,594	44.78	139,071
1994	297,169.36	144,186	128,499	287,538	45.74	6,286
1995	1,872,635.13	872,262	777,365	1,844,324	46.71	39,485
1996	416,371.92	185,870	165,648	417,273	47.68	8,752
1997	887.32	379	338	904	48.66	19
1999	2,642,778.13	1,024,351	912,907	2,786,982	50.62	55,057
2000	1,049,414.35	386,189	344,174	1,125,006	51.60	21,802
2006	3,176,912.06	791,686	705,555	3,742,122	57.54	65,035
2010	15,087,789.04	2,558,829	2,280,441	18,842,464	61.52	306,282
2011	291,388.75	43,650	38,901	369,043	62.51	5,904
2012	5,029.70	653	582	6,460	63.51	102
2013	41,207.80	4,525	4,033	53,658	64.51	832
2014	132,557.38	11,903	10,608	174,972	65.51	2,671
2016	18,636,474.13	931,712	830,347	25,260,717	67.50	374,233
2017	955,739.84	28,674	25,554	1,312,482	68.50	19,160
2018	7,073,053.30	70,702	63,010	9,839,265	69.50	141,572
	115,940,128.56	60,682,444	54,080,523	108,235,657		2,686,103
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						40.3 2.32

AMEREN MISSOURI

ACCOUNT 355 POLES AND FIXTURES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -100						
1925	1,224.52	2,372	2,232	217	1.88	115
1931	424,874.38	801,738	754,322	95,427	3.39	28,150
1932	35,598.83	66,867	62,912	8,286	3.65	2,270
1933	550.18	1,029	968	132	3.90	34
1935	128.67	238	224	33	4.42	7
1936	176.04	325	306	46	4.67	10
1938	2,076.14	3,793	3,569	583	5.19	112
1939	83.77	152	143	25	5.45	5
1943	484.87	864	813	157	6.52	24
1945	578.02	1,019	959	197	7.09	28
1947	52.89	92	87	19	7.69	2
1949	1,119.49	1,928	1,814	425	8.33	51
1950	78.14	134	126	30	8.67	3
1951	983.58	1,671	1,572	395	9.02	44
1952	421,305.53	710,886	668,843	173,768	9.38	18,525
1953	241,450.83	404,348	380,434	102,468	9.76	10,499
1955	5,635.09	9,287	8,738	2,532	10.56	240
1956	126,637.17	206,925	194,687	58,587	10.98	5,336
1957	721,080.58	1,167,675	1,098,616	343,545	11.42	30,083
1958	11,981.40	19,222	18,085	5,878	11.87	495
1959	31,472.27	49,999	47,042	15,903	12.34	1,289
1960	513,874.16	807,985	760,199	267,549	12.83	20,853
1961	39,282.56	61,110	57,496	21,069	13.33	1,581
1962	17,707.23	27,240	25,629	9,785	13.85	706
1963	435,536.02	662,302	623,132	247,940	14.38	17,242
1964	13,647.17	20,503	19,290	8,004	14.93	536
1965	811,550.43	1,204,065	1,132,854	490,247	15.49	31,649
1966	209,260.64	306,429	288,306	130,215	16.07	8,103
1967	1,562,643.21	2,257,488	2,123,976	1,001,310	16.66	60,103
1968	817,179.73	1,163,942	1,095,104	539,255	17.27	31,225
1969	1,694,861.70	2,379,010	2,238,311	1,151,412	17.89	64,361
1970	1,363,255.17	1,884,482	1,773,030	953,480	18.53	51,456
1971	792,620.16	1,078,487	1,014,703	570,537	19.18	29,746
1972	2,163,376.71	2,896,026	2,724,749	1,602,004	19.84	80,746
1973	2,144,569.91	2,822,983	2,656,026	1,633,114	20.51	79,625
1974	3,678,435.80	4,758,645	4,477,209	2,879,663	21.19	135,897
1975	127,357.65	161,788	152,220	102,495	21.89	4,682
1976	1,599,691.95	1,994,272	1,876,327	1,323,057	22.60	58,542
1977	188,867.62	230,921	217,264	160,471	23.32	6,881
1978	147,897.21	177,231	166,749	129,045	24.05	5,366
1979	3,239,088.09	3,801,588	3,576,755	2,901,421	24.79	117,040
1980	891,522.58	1,024,359	963,776	819,269	25.53	32,090
1981	124,685.27	140,104	131,818	117,553	26.29	4,471

AMEREN MISSOURI

ACCOUNT 355 POLES AND FIXTURES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -100						
1982	1,338,539.37	1,469,716	1,382,794	1,294,285	27.06	47,830
1983	1,031,775.93	1,106,064	1,040,649	1,022,903	27.84	36,742
1984	380,030.22	397,382	373,880	386,180	28.63	13,489
1985	387,344.72	394,836	371,485	403,204	29.42	13,705
1986	3,033,418.69	3,010,183	2,832,155	3,234,682	30.23	107,002
1987	342,534.56	330,662	311,106	373,963	31.04	12,048
1988	3,329,289.12	3,122,873	2,938,180	3,720,398	31.86	116,773
1989	1,685,706.24	1,534,566	1,443,809	1,927,603	32.69	58,966
1990	1,118,154.93	986,593	928,244	1,308,066	33.53	39,012
1991	610,036.85	520,971	490,160	729,914	34.38	21,231
1992	1,558,061.56	1,286,429	1,210,347	1,905,776	35.23	54,095
1993	474,619.31	378,272	355,900	593,339	36.09	16,441
1994	9,291,501.44	7,135,873	6,713,843	11,869,160	36.96	321,135
1995	1,190,216.38	879,165	827,169	1,553,264	37.84	41,048
1996	1,116,546.81	792,011	745,170	1,487,924	38.72	38,428
1997	2,430,766.92	1,652,095	1,554,387	3,307,147	39.61	83,493
1998	696,614.03	452,562	425,797	967,431	40.51	23,881
1999	4,457,307.51	2,762,015	2,598,664	6,315,951	41.41	152,522
2000	7,160,856.49	4,220,179	3,970,589	10,351,124	42.32	244,592
2001	4,300,177.79	2,402,337	2,260,258	6,340,098	43.24	146,626
2002	7,541,420.48	3,981,870	3,746,374	11,336,467	44.16	256,713
2003	8,487,667.06	4,221,256	3,971,603	13,003,731	45.08	288,459
2004	3,837,093.57	1,788,086	1,682,335	5,991,852	46.02	130,201
2005	9,945,269.49	4,322,811	4,067,152	15,823,387	46.96	336,955
2006	19,888,373.27	8,021,776	7,547,353	32,229,394	47.90	672,847
2007	2,196,137.63	816,217	767,944	3,624,331	48.85	74,193
2008	6,204,882.31	2,109,660	1,984,891	10,424,874	49.80	209,335
2009	1,660,333.87	511,947	481,669	2,838,999	50.75	55,941
2010	3,552,249.58	981,629	923,574	6,180,925	51.71	119,531
2011	10,786,274.66	2,631,851	2,476,198	19,096,351	52.68	362,497
2012	9,205,649.31	1,951,598	1,836,177	16,575,122	53.64	309,007
2013	56,676,944.88	10,164,443	9,563,298	103,790,592	54.62	1,900,231
2014	94,791,304.85	13,934,322	13,110,219	176,472,391	55.59	3,174,535
2015	5,188,024.37	594,859	559,678	9,816,371	56.56	173,557
2016	63,357,449.28	5,195,311	4,888,050	121,826,849	57.54	2,117,255
2017	19,619,281.40	968,015	910,764	38,327,799	58.52	654,952
2018	34,458,634.69	563,054	529,754	68,387,515	59.51	1,149,177
	427,934,972.93	130,905,013	123,163,034	732,706,912		14,514,668
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						50.5 3.39

AMEREN MISSOURI

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -25						
1913	72,441.20	90,552	90,552			
1924	19.44	24	24			
1925	9,634.74	12,043	12,043			
1928	483.93	602	595	10	0.25	10
1929	71,624.08	88,843	87,800	1,730	0.46	1,730
1931	58,668.23	72,309	71,460	1,875	0.84	1,875
1932	414,396.26	509,018	503,043	14,952	1.04	14,377
1933	331.48	406	401	13	1.24	10
1936	868.76	1,051	1,039	47	1.91	25
1938	3,994.52	4,794	4,738	255	2.39	107
1939	1,156.06	1,382	1,366	79	2.63	30
1943	1,202.17	1,411	1,394	109	3.66	30
1944	29.96	35	35	2	3.92	1
1945	8,116.32	9,437	9,326	819	4.19	195
1948	4,221.63	4,836	4,779	498	5.02	99
1949	5,508.43	6,276	6,202	684	5.31	129
1950	173,077.63	196,119	193,817	22,530	5.61	4,016
1951	116,562.64	131,327	129,785	15,918	5.92	2,689
1952	716,478.95	802,456	793,036	102,563	6.24	16,436
1953	574,470.41	639,335	631,830	86,258	6.58	13,109
1955	32,570.59	35,760	35,340	5,373	7.30	736
1956	616,692.81	671,941	664,053	106,813	7.70	13,872
1957	1,769,857.97	1,913,283	1,890,823	321,499	8.11	39,642
1958	194,991.83	209,007	206,554	37,186	8.55	4,349
1959	25,455.56	27,036	26,719	5,100	9.02	565
1960	1,471,598.02	1,547,937	1,529,766	309,732	9.51	32,569
1961	73,553.40	76,572	75,673	16,269	10.03	1,622
1962	234,676.50	241,620	238,784	54,562	10.58	5,157
1963	3,175,542.62	3,231,789	3,193,852	775,576	11.15	69,558
1964	872,513.45	877,061	866,765	223,877	11.75	19,053
1965	2,085,166.44	2,069,085	2,044,796	561,662	12.37	45,405
1966	1,032,319.58	1,010,602	998,739	291,660	13.01	22,418
1967	6,447,554.58	6,223,260	6,150,206	1,909,237	13.67	139,666
1968	7,746,836.46	7,369,178	7,282,672	2,400,874	14.34	167,425
1969	4,828,175.61	4,524,423	4,471,312	1,563,908	15.02	104,122
1970	5,014,612.10	4,625,980	4,571,676	1,696,589	15.72	107,926
1971	3,249,633.99	2,950,383	2,915,749	1,146,293	16.42	69,811
1972	2,143,087.42	1,913,590	1,891,127	787,732	17.14	45,959
1973	3,509,205.27	3,080,073	3,043,917	1,342,590	17.87	75,131
1974	1,710,854.51	1,475,248	1,457,930	680,638	18.61	36,574
1975	91,544.23	77,489	76,579	37,851	19.37	1,954
1976	3,956,242.01	3,286,154	3,247,578	1,697,725	20.13	84,338
1977	212,734.78	173,246	171,212	94,706	20.91	4,529

AMEREN MISSOURI

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -25						
1978	372,612.37	297,238	293,749	172,016	21.71	7,923
1979	1,357,751.19	1,060,455	1,048,007	649,182	22.51	28,840
1980	690,394.82	527,436	521,245	341,749	23.33	14,648
1981	64,121.65	47,877	47,315	32,837	24.16	1,359
1982	819,398.75	597,475	590,461	433,787	25.00	17,351
1983	233,501.03	166,127	164,177	127,699	25.85	4,940
1984	97,212.90	67,421	66,630	54,886	26.71	2,055
1985	13,568,737.76	9,161,781	9,054,232	7,906,690	27.59	286,578
1986	940,692.07	617,917	610,663	565,202	28.47	19,853
1987	561,605.20	358,494	354,286	347,720	29.36	11,843
1988	363,720.71	225,280	222,635	232,016	30.27	7,665
1989	1,145,328.67	687,670	679,598	752,063	31.18	24,120
1990	994,258.52	577,913	571,129	671,694	32.10	20,925
1991	20,130.90	11,311	11,178	13,986	33.03	423
1992	1,277,330.19	692,952	684,818	911,845	33.96	26,851
1993	4,645,166.56	2,429,016	2,400,502	3,405,956	34.90	97,592
1994	1,069,881.42	538,284	531,965	805,387	35.85	22,465
1995	4,103,981.84	1,983,608	1,960,323	3,169,654	36.80	86,132
1996	125,982.75	58,373	57,688	99,790	37.76	2,643
1997	780,906.29	346,205	342,141	633,992	38.72	16,374
1998	1,736,645.09	734,818	726,192	1,444,614	39.69	36,397
1999	6,946,312.18	2,798,756	2,765,902	5,916,988	40.66	145,524
2000	3,958,998.98	1,514,317	1,496,541	3,452,208	41.64	82,906
2001	2,794,820.94	1,011,970	1,000,091	2,493,435	42.62	58,504
2002	2,633,418.84	899,740	889,178	2,402,596	43.60	55,105
2003	7,691,328.52	2,470,839	2,441,834	7,172,327	44.58	160,887
2004	900,031.31	270,572	267,396	857,643	45.57	18,820
2005	3,086,227.61	864,144	854,000	3,003,785	46.56	64,514
2006	21,970,954.46	5,698,716	5,631,819	21,831,874	47.55	459,135
2007	305,430.86	72,922	72,066	309,723	48.54	6,381
2008	10,537,008.46	2,298,385	2,271,405	10,899,856	49.53	220,066
2009	3,366,881.05	664,959	657,153	3,551,448	50.52	70,298
2010	3,033,071.84	535,830	529,540	3,261,800	51.52	63,311
2011	18,423,122.15	2,874,698	2,840,952	20,187,951	52.51	384,459
2012	1,119,039.03	151,308	149,532	1,249,267	53.51	23,346
2013	5,506,408.01	629,795	622,402	6,260,608	54.51	114,852
2014	15,922,646.60	1,489,365	1,471,881	18,431,427	55.51	332,038
2015	538,986.42	39,299	38,838	634,895	56.50	11,237

AMEREN MISSOURI

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -25						
2016	46,278,010.95	2,410,506	2,382,209	55,465,305	57.50	964,614
2017	23,205,381.56	725,168	716,655	28,290,072	58.50	483,591
2018	21,298,449.28	221,770	219,167	26,403,895	59.50	443,763
	287,214,596.30	99,013,683	97,852,582	261,165,663		6,047,577
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						43.2 2.11

AMEREN MISSOURI

ACCOUNT 359 ROADS AND TRAILS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. 0						
1931	23.54	22	24			
1932	940.99	878	941			
1933	9.73	9	10			
1934	110.87	103	111			
1945	26,508.37	23,195	26,508			
1953	1,276.00	1,047	1,276			
1957	3,692.63	2,900	3,693			
1961	26,681.00	19,934	26,681			
1966	9,667.84	6,729	9,668			
1970	2,877.03	1,877	23,677	20,800-		
	71,788.00	56,694	92,589	20,801-		
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						0.0 0.00

AMEREN MISSOURI

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -5						
1905	1,288.91	1,353	1,353			
1917	17,353.76	17,429	16,240	1,981	2.61	759
1919	723.67	720	671	89	3.16	28
1926	4,433.60	4,281	3,989	666	4.83	138
1927	659.16	634	591	101	5.05	20
1928	179.61	172	160	29	5.27	6
1929	37,090.80	35,382	32,969	5,976	5.49	1,089
1930	22,216.48	21,111	19,671	3,656	5.70	641
1936	7,045.90	6,526	6,081	1,317	7.07	186
1937	4,619.20	4,259	3,969	881	7.31	121
1938	8,508.37	7,810	7,277	1,657	7.55	219
1939	310.95	284	265	61	7.80	8
1940	7,644.77	6,950	6,476	1,551	8.05	193
1941	5,811.27	5,258	4,899	1,203	8.30	145
1942	287.17	259	241	61	8.56	7
1944	1,166.01	1,038	967	257	9.11	28
1945	3,616.37	3,203	2,985	812	9.39	86
1947	21,813.80	19,095	17,793	5,111	9.98	512
1948	19,222.31	16,722	15,582	4,601	10.29	447
1949	49,551.91	42,820	39,900	12,130	10.62	1,142
1950	1,446.74	1,242	1,157	362	10.95	33
1951	41,152.91	35,073	32,681	10,530	11.30	932
1952	30,424.58	25,738	23,983	7,963	11.66	683
1953	5,861.94	4,921	4,585	1,570	12.03	131
1954	42,928.07	35,744	33,306	11,768	12.42	948
1955	5,285.07	4,364	4,066	1,483	12.82	116
1956	31,564.16	25,834	24,072	9,070	13.23	686
1957	6,949.15	5,635	5,251	2,046	13.66	150
1958	72,528.07	58,245	54,273	21,881	14.11	1,551
1959	107,404.43	85,390	79,566	33,209	14.57	2,279
1960	32,081.05	25,241	23,520	10,165	15.04	676
1961	51,450.75	40,040	37,309	16,714	15.53	1,076
1962	124,768.08	96,005	89,457	41,549	16.03	2,592
1963	64,107.75	48,746	45,421	21,892	16.55	1,323
1964	104,862.50	78,762	73,390	36,716	17.08	2,150
1965	142,570.71	105,737	98,526	51,173	17.62	2,904
1966	25,664.14	18,782	17,501	9,446	18.18	520
1967	104,325.83	75,310	70,174	39,368	18.75	2,100
1968	86,008.76	61,200	57,026	33,283	19.34	1,721
1969	246,806.08	173,066	161,263	97,883	19.93	4,911
1970	116,452.70	80,417	74,932	47,343	20.54	2,305
1971	348,760.58	237,051	220,884	145,315	21.16	6,867
1972	33,425.65	22,351	20,827	14,270	21.79	655

AMEREN MISSOURI

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -5						
1973	20,812.13	13,680	12,747	9,106	22.44	406
1974	177,346.60	114,553	106,740	79,474	23.09	3,442
1975	265,875.43	168,618	157,118	122,051	23.76	5,137
1976	285,893.72	177,961	165,824	134,364	24.43	5,500
1977	81,503.20	49,764	46,370	39,208	25.11	1,561
1978	38,976.35	23,320	21,730	19,195	25.81	744
1979	1,545.00	905	843	779	26.51	29
1980	92,451.09	53,019	49,403	47,671	27.23	1,751
1981	19,112.68	10,720	9,989	10,079	27.95	361
1982	122,886.91	67,354	62,760	66,271	28.68	2,311
1983	619,975.88	331,782	309,154	341,821	29.42	11,619
1984	37,169.32	19,403	18,080	20,948	30.17	694
1985	57,293.31	29,157	27,168	32,990	30.92	1,067
1986	942,549.62	466,959	435,112	554,565	31.69	17,500
1987	51,135.50	24,645	22,964	30,728	32.46	947
1988	739,809.41	346,453	322,825	453,975	33.24	13,657
1989	439,450.50	199,718	186,097	275,326	34.03	8,091
1990	56,829.67	25,042	23,334	36,337	34.82	1,044
1991	9,339.09	3,983	3,711	6,095	35.63	171
1992	665,761.07	274,496	255,775	443,274	36.44	12,164
1993	1,124,870.42	447,843	417,300	763,814	37.25	20,505
1994	1,238,211.32	474,974	442,580	857,542	38.08	22,519
1995	863,928.09	318,854	297,108	610,016	38.91	15,678
1996	1,079,111.36	382,603	356,509	776,558	39.74	19,541
1997	988,207.38	335,669	312,776	724,842	40.59	17,858
1998	506,336.36	164,456	153,240	378,413	41.44	9,132
1999	484,069.05	149,940	139,714	368,559	42.30	8,713
2000	28,338.54	8,351	7,781	21,974	43.16	509
2001	23,778.80	6,646	6,193	18,775	44.03	426
2002	130,724.95	34,545	32,189	105,072	44.90	2,340
2003	25,800.24	6,420	5,982	21,108	45.78	461
2004	124,540.91	29,053	27,072	103,696	46.67	2,222
2005	16,543.50	3,601	3,355	14,016	47.56	295
2006	314,777.83	63,624	59,285	271,232	48.45	5,598
2007	22,112.85	4,121	3,840	19,378	49.35	393
2008	123,713.21	21,086	19,648	110,251	50.26	2,194
2009	768,975.21	118,829	110,725	696,699	51.17	13,615
2010	79,955.73	11,082	10,326	73,628	52.08	1,414
2011	930,317.77	113,967	106,194	870,640	53.00	16,427
2012	222,977.23	23,724	22,106	212,020	53.92	3,932
2013	68,469.76	6,171	5,750	66,143	54.85	1,206
2014	1,326,281.84	98,178	91,483	1,301,113	55.77	23,330
2015	22,417.23	1,291	1,203	22,335	56.71	394

AMEREN MISSOURI

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -5						
2016	91,978.24	3,798	3,539	93,038	57.64	1,614
2017	143,236.54	3,560	3,317	147,081	58.58	2,511
2018	51,578.84	424	395	53,763	59.53	903
	17,567,343.40	6,774,542	6,312,603	12,133,108		325,010
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						37.3 1.85

AMEREN MISSOURI

ACCOUNT 362 STATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -10						
1912	7,741.14	8,335	8,096	419	1.27	330
1917	1,638.84	1,724	1,675	128	2.61	49
1918	2,410.28	2,524	2,452	199	2.89	69
1925	7,497.22	7,613	7,395	852	4.61	185
1926	10,764.56	10,888	10,576	1,265	4.83	262
1927	170.41	172	167	20	5.05	4
1928	1,300.44	1,305	1,268	162	5.27	31
1929	5,253.45	5,250	5,100	679	5.49	124
1930	19,181.87	19,096	18,549	2,551	5.70	448
1931	10,413.99	10,323	10,027	1,428	5.93	241
1932	9,200.99	9,084	8,824	1,297	6.15	211
1933	4,378.56	4,304	4,181	635	6.38	100
1934	2,781.28	2,722	2,644	415	6.61	63
1935	5,637.50	5,494	5,337	864	6.84	126
1936	6,702.20	6,504	6,318	1,054	7.07	149
1937	17,784.42	17,180	16,688	2,875	7.31	393
1938	103,585.93	99,607	96,754	17,191	7.55	2,277
1939	33,957.83	32,498	31,567	5,787	7.80	742
1940	31,236.27	29,750	28,898	5,462	8.05	679
1941	80,643.38	76,437	74,247	14,461	8.30	1,742
1942	41,425.37	39,067	37,948	7,620	8.56	890
1943	18,812.40	17,648	17,142	3,552	8.83	402
1944	1,399.06	1,305	1,268	271	9.11	30
1945	73,605.82	68,295	66,339	14,627	9.39	1,558
1946	8,097.82	7,471	7,257	1,651	9.68	171
1947	91,038.21	83,485	81,093	19,049	9.98	1,909
1948	265,392.77	241,866	234,937	56,995	10.29	5,539
1949	824,714.10	746,614	725,226	181,960	10.62	17,134
1950	491,618.85	442,088	429,424	111,357	10.95	10,170
1951	1,959,478.62	1,749,495	1,699,379	456,047	11.30	40,358
1952	917,390.43	813,025	789,735	219,394	11.66	18,816
1953	472,306.53	415,370	403,471	116,066	12.03	9,648
1954	1,814,947.20	1,583,178	1,537,826	458,616	12.42	36,926
1955	1,068,259.35	924,005	897,536	277,549	12.82	21,650
1956	2,194,289.97	1,881,494	1,827,596	586,123	13.23	44,303
1957	3,384,109.07	2,875,014	2,792,656	929,864	13.66	68,072
1958	1,730,255.17	1,455,686	1,413,986	489,295	14.11	34,677
1959	2,996,270.21	2,495,555	2,424,067	871,830	14.57	59,837
1960	2,686,645.39	2,214,502	2,151,065	804,245	15.04	53,474
1961	2,341,864.55	1,909,292	1,854,598	721,453	15.53	46,455
1962	2,202,871.76	1,775,764	1,724,895	698,264	16.03	43,560
1963	3,461,209.44	2,757,154	2,678,172	1,129,158	16.55	68,227
1964	4,925,792.42	3,875,924	3,764,893	1,653,479	17.08	96,808

AMEREN MISSOURI

ACCOUNT 362 STATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -10						
1965	5,320,605.87	4,133,914	4,015,493	1,837,173	17.62	104,266
1966	4,286,708.54	3,286,619	3,192,470	1,522,909	18.18	83,768
1967	7,042,382.34	5,325,802	5,173,238	2,573,383	18.75	137,247
1968	7,169,106.06	5,344,117	5,191,028	2,694,989	19.34	139,348
1969	8,084,738.11	5,939,154	5,769,019	3,124,193	19.93	156,758
1970	7,443,828.88	5,385,141	5,230,877	2,957,335	20.54	143,979
1971	6,278,359.85	4,470,588	4,342,522	2,563,674	21.16	121,157
1972	4,679,801.12	3,278,262	3,184,352	1,963,429	21.79	90,107
1973	4,396,228.20	3,027,243	2,940,524	1,895,327	22.44	84,462
1974	7,393,657.95	5,003,192	4,859,869	3,273,155	23.09	141,756
1975	8,787,441.69	5,838,376	5,671,128	3,995,058	23.76	168,142
1976	6,661,180.89	4,343,843	4,219,408	3,107,891	24.43	127,216
1977	4,313,643.08	2,759,222	2,680,181	2,064,826	25.11	82,231
1978	4,665,389.75	2,924,327	2,840,556	2,291,373	25.81	88,778
1979	7,480,217.15	4,592,756	4,461,191	3,767,048	26.51	142,099
1980	4,130,133.35	2,481,330	2,410,249	2,132,898	27.23	78,329
1981	7,136,494.05	4,193,311	4,073,188	3,776,955	27.95	135,133
1982	7,693,973.90	4,417,880	4,291,324	4,172,047	28.68	145,469
1983	12,235,514.48	6,859,682	6,663,178	6,795,888	29.42	230,996
1984	6,909,005.39	3,778,445	3,670,207	3,929,699	30.17	130,252
1985	3,816,157.08	2,034,535	1,976,253	2,221,520	30.92	71,847
1986	8,800,380.13	4,567,512	4,436,670	5,243,748	31.69	165,470
1987	6,597,409.63	3,331,032	3,235,610	4,021,541	32.46	123,892
1988	15,585,413.92	7,646,204	7,427,169	9,716,786	33.24	292,322
1989	7,115,309.67	3,387,691	3,290,646	4,536,195	34.03	133,300
1990	11,196,401.19	5,168,673	5,020,610	7,295,431	34.82	209,518
1991	12,510,883.23	5,589,700	5,429,576	8,332,396	35.63	233,859
1992	21,356,679.13	9,224,740	8,960,486	14,531,861	36.44	398,789
1993	16,518,207.36	6,889,530	6,692,171	11,477,857	37.25	308,130
1994	24,382,381.88	9,798,377	9,517,690	17,302,930	38.08	454,384
1995	15,753,433.37	6,091,065	5,916,579	11,412,198	38.91	293,297
1996	23,338,808.91	8,668,897	8,420,565	17,252,125	39.74	434,125
1997	19,061,119.06	6,782,899	6,588,594	14,378,637	40.59	354,241
1998	8,005,713.57	2,724,048	2,646,014	6,160,271	41.44	148,655
1999	7,325,187.97	2,377,023	2,308,930	5,748,777	42.30	135,905
2000	6,492,021.39	2,004,327	1,946,910	5,194,314	43.16	120,350
2001	9,040,852.24	2,647,044	2,571,216	7,373,721	44.03	167,470
2002	15,820,684.80	4,379,751	4,254,287	13,148,466	44.90	292,839
2003	24,829,861.54	6,473,145	6,287,714	21,025,134	45.78	459,265
2004	19,712,143.99	4,817,392	4,679,392	17,003,966	46.67	364,345
2005	22,513,774.59	5,134,559	4,987,473	19,777,679	47.56	415,847
2006	32,508,252.75	6,883,623	6,686,433	29,072,645	48.45	600,055
2007	31,379,086.13	6,126,767	5,951,258	28,565,737	49.35	578,840

AMEREN MISSOURI

ACCOUNT 362 STATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -10						
2008	26,899,703.91	4,803,292	4,665,696	24,923,978	50.26	495,901
2009	56,524,913.74	9,150,649	8,888,517	53,288,888	51.17	1,041,409
2010	44,581,708.02	6,473,264	6,287,829	42,752,050	52.08	820,892
2011	41,043,475.54	5,267,397	5,116,506	40,031,317	53.00	755,308
2012	83,438,589.76	9,300,316	9,033,896	82,748,553	53.92	1,534,654
2013	26,561,837.86	2,507,783	2,435,944	26,782,078	54.85	488,279
2014	52,179,026.95	4,046,484	3,930,567	53,466,363	55.77	958,694
2015	21,737,110.01	1,311,030	1,273,474	22,637,347	56.71	399,177
2016	76,737,365.19	3,319,889	3,224,787	81,186,315	57.64	1,408,507
2017	39,832,536.58	1,037,120	1,007,410	42,808,380	58.58	730,768
2018	42,669,980.59	367,517	356,989	46,579,990	59.53	782,462
	1,042,308,897.40	286,440,586	278,235,135	868,304,652		19,393,128
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						44.8 1.86

AMEREN MISSOURI

ACCOUNT 364 POLES AND FIXTURES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-R2.5						
NET SALVAGE PERCENT.. -150						
1913	56,651.35	141,628	141,628			
1915	279.27	698	698			
1924	37.62	94	94			
1925	12,352.56	30,881	30,881			
1928	375.16	926	938			
1930	5,386.74	13,162	13,467			
1931	2,451.56	5,959	6,129			
1932	55.28	134	138			
1933	2,258.56	5,428	5,646			
1934	3,326.43	7,950	8,316			
1935	539.56	1,282	1,349			
1936	4,046.60	9,560	10,116			
1937	72,649.01	170,689	181,623			
1938	14,454.79	33,788	36,137			
1939	9,021.06	20,978	22,553			
1940	7,220.62	16,709	18,052			
1941	7,784.08	17,927	19,460			
1942	13,380.81	30,669	33,452			
1943	9,937.00	22,671	24,842			
1944	34,984.81	79,433	87,462			
1945	12,568.44	28,398	31,421			
1946	26,476.01	59,531	66,190			
1947	80,008.14	178,978	200,020			
1948	55,048.40	122,510	137,621			
1949	32,073.14	71,010	80,183			
1950	230,067.37	506,723	575,168			
1951	674,631.51	1,477,780	1,683,203	3,376	6.19	545
1952	55,553.64	120,996	137,815	1,069	6.44	166
1953	39,196.99	84,881	96,680	1,312	6.69	196
1954	37,608.66	80,971	92,227	1,795	6.94	259
1955	279,996.71	599,193	682,485	17,507	7.20	2,432
1956	554,928.99	1,180,056	1,344,093	43,229	7.47	5,787
1957	727,460.61	1,536,761	1,750,382	68,270	7.75	8,809
1958	1,317,528.53	2,764,175	3,148,416	145,405	8.04	18,085
1959	1,647,430.71	3,431,598	3,908,616	209,961	8.34	25,175
1960	1,951,951.98	4,034,685	4,595,537	284,343	8.66	32,834
1961	2,042,281.37	4,187,698	4,769,820	335,883	8.99	37,362
1962	2,543,791.65	5,172,800	5,891,858	467,621	9.33	50,120
1963	2,873,533.15	5,793,043	6,598,320	585,513	9.68	60,487
1964	3,493,672.97	6,976,865	7,946,702	787,480	10.06	78,278
1965	3,165,350.63	6,259,481	7,129,596	783,781	10.45	75,003
1966	1,975,901.74	3,867,828	4,405,485	534,269	10.85	49,241
1967	2,822,524.99	5,464,408	6,224,002	832,310	11.28	73,786

AMEREN MISSOURI

ACCOUNT 364 POLES AND FIXTURES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR CURVE.. IOWA 50-R2.5						
NET SALVAGE PERCENT.. -150						
1968	2,745,244.74	5,254,398	5,984,799	878,313	11.72	74,941
1969	5,685,453.08	10,751,192	12,245,689	1,967,944	12.18	161,572
1970	4,748,025.11	8,864,563	10,096,804	1,773,259	12.66	140,068
1971	4,515,512.58	8,319,832	9,476,351	1,812,430	13.15	137,827
1972	5,279,292.42	9,592,474	10,925,900	2,272,331	13.66	166,349
1973	4,361,201.40	7,808,731	8,894,204	2,008,800	14.19	141,564
1974	4,936,600.12	8,705,694	9,915,851	2,425,649	14.73	164,674
1975	5,023,088.62	8,717,570	9,929,378	2,628,344	15.29	171,900
1976	6,239,453.30	10,647,627	12,127,728	3,470,905	15.87	218,709
1977	6,943,351.64	11,644,001	13,262,605	4,095,774	16.46	248,832
1978	7,413,233.83	12,205,890	13,902,601	4,630,484	17.07	271,264
1979	10,253,946.64	16,565,251	18,867,946	6,766,921	17.69	382,528
1980	12,244,988.96	19,396,063	22,092,262	8,520,210	18.32	465,077
1981	10,275,554.38	15,942,523	18,158,654	7,530,232	18.97	396,955
1982	11,119,786.19	16,885,395	19,232,592	8,566,873	19.63	436,417
1983	13,661,889.45	20,287,906	23,108,078	11,046,646	20.30	544,170
1984	15,880,668.30	23,034,909	26,236,935	13,464,736	20.99	641,483
1985	14,355,776.83	20,327,780	23,153,495	12,735,947	21.68	587,451
1986	16,051,658.28	22,159,314	25,239,626	14,889,520	22.39	665,008
1987	16,136,435.36	21,695,437	24,711,267	15,629,821	23.11	676,323
1988	18,629,953.00	24,367,979	27,755,312	18,819,570	23.84	789,411
1989	19,736,160.01	25,084,659	28,571,616	20,768,784	24.58	844,946
1990	19,245,017.92	23,738,730	27,038,593	21,073,952	25.33	831,976
1991	16,763,188.91	20,040,392	22,826,158	19,081,814	26.09	731,384
1992	24,928,268.67	28,842,007	32,851,264	29,469,408	26.86	1,097,148
1993	14,064,880.26	15,731,569	17,918,376	17,243,825	27.63	624,098
1994	20,240,267.58	21,839,249	24,875,070	25,725,599	28.42	905,193
1995	20,392,473.56	21,187,780	24,133,042	26,848,142	29.22	918,828
1996	20,095,535.12	20,075,440	22,866,078	27,372,760	30.02	911,817
1997	24,378,770.40	23,354,862	26,601,364	34,345,562	30.84	1,113,669
1998	18,050,205.67	16,552,039	18,852,897	26,272,617	31.66	829,836
1999	19,553,647.03	17,119,218	19,498,919	29,385,199	32.49	904,438
2000	19,704,323.27	16,423,553	18,706,551	30,554,257	33.33	916,719
2001	22,713,754.01	17,966,579	20,464,069	36,320,316	34.18	1,062,619
2002	22,862,385.92	17,112,496	19,491,262	37,664,703	35.03	1,075,213
2003	20,881,101.65	14,731,617	16,779,423	35,423,331	35.89	986,997
2004	23,616,900.38	15,634,388	17,807,686	41,234,565	36.76	1,121,724
2005	28,345,990.60	17,517,822	19,952,932	50,912,044	37.64	1,352,605
2006	48,121,367.54	27,621,665	31,461,285	88,842,134	38.52	2,306,390
2007	26,718,646.99	14,147,524	16,114,137	50,682,480	39.41	1,286,031
2008	57,670,927.42	27,970,400	31,858,497	112,318,822	40.30	2,787,068
2009	77,436,159.40	34,071,910	38,808,163	154,782,236	41.20	3,756,850
2010	34,856,663.27	13,750,954	15,662,440	71,479,218	42.11	1,697,440

AMEREN MISSOURI

ACCOUNT 364 POLES AND FIXTURES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-R2.5						
NET SALVAGE PERCENT.. -150						
2011	37,326,141.10	13,026,823	14,837,650	78,477,703	43.02	1,824,214
2012	32,916,358.61	9,990,115	11,378,816	70,912,081	43.93	1,614,206
2013	46,424,312.47	11,931,048	13,589,554	102,471,227	44.86	2,284,245
2014	36,454,141.18	7,691,824	8,761,046	82,374,307	45.78	1,799,351
2015	40,408,559.07	6,647,208	7,571,220	93,450,178	46.71	2,000,646
2016	50,981,174.34	5,990,288	6,822,983	120,629,953	47.65	2,531,583
2017	43,395,817.53	3,059,405	3,484,686	105,004,858	48.59	2,161,038
2018	38,819,326.83	912,254	1,039,064	96,009,253	49.53	1,938,406
	1,150,500,360.14	867,549,282	988,081,739	1,888,169,161		52,217,766
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						36.2 4.54

AMEREN MISSOURI

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
NET SALVAGE PERCENT.. -50						
1913	1,433.15	2,150	2,150			
1918	1,138.58	1,708	1,708			
1919	8,520.36	12,686	12,781			
1920	396.80	587	595			
1921	20.52	30	31			
1922	1,241.25	1,812	1,848	14	1.33	11
1923	3,845.27	5,576	5,688	80	1.66	48
1924	139.43	201	205	4	2.00	2
1925	6,066.98	8,675	8,849	251	2.34	107
1926	1,846.46	2,622	2,675	95	2.67	36
1927	1,997.89	2,818	2,874	123	2.98	41
1928	770.82	1,080	1,102	54	3.29	16
1929	787.25	1,096	1,118	63	3.59	18
1930	334.62	463	472	30	3.89	8
1931	26,235.96	36,064	36,787	2,567	4.18	614
1932	12,060.41	16,470	16,800	1,291	4.48	288
1933	4,834.05	6,558	6,689	562	4.78	118
1934	10,909.99	14,702	14,997	1,368	5.08	269
1935	13,702.17	18,342	18,710	1,843	5.38	343
1936	103,652.33	137,785	140,546	14,932	5.69	2,624
1937	307,263.18	405,587	413,714	47,181	6.00	7,864
1938	261,128.70	342,261	349,120	42,573	6.31	6,747
1939	114,339.94	148,768	151,749	19,761	6.63	2,981
1940	213,567.16	275,822	281,349	39,002	6.95	5,612
1941	178,147.50	228,314	232,889	34,332	7.28	4,716
1942	204,075.19	259,522	264,723	41,390	7.61	5,439
1943	66,067.95	83,345	85,015	14,087	7.95	1,772
1944	131,185.20	164,152	167,441	29,337	8.29	3,539
1945	95,924.70	119,023	121,408	22,479	8.64	2,602
1946	255,102.61	313,853	320,142	62,512	8.99	6,954
1947	436,580.89	532,410	543,079	111,792	9.35	11,956
1948	931,978.99	1,126,483	1,149,056	248,912	9.71	25,635
1949	1,001,635.01	1,199,558	1,223,596	278,857	10.08	27,664
1950	1,288,780.11	1,529,138	1,559,780	373,390	10.45	35,731
1951	1,775,316.92	2,086,708	2,128,523	534,452	10.82	49,395
1952	1,450,380.62	1,687,808	1,721,630	453,941	11.21	40,494
1953	1,570,366.89	1,809,534	1,845,795	509,755	11.59	43,982
1954	1,958,908.36	2,233,743	2,278,505	659,858	11.99	55,034
1955	3,276,898.18	3,697,324	3,771,414	1,143,933	12.39	92,327
1956	3,634,247.78	4,056,911	4,138,207	1,313,165	12.79	102,671
1957	2,967,775.32	3,276,424	3,342,080	1,109,583	13.20	84,059
1958	2,737,853.33	2,988,093	3,047,971	1,058,809	13.62	77,739
1959	2,798,676.23	3,019,212	3,079,713	1,118,301	14.04	79,651

AMEREN MISSOURI

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
NET SALVAGE PERCENT.. -50						
1960	2,652,030.67	2,826,799	2,883,445	1,094,601	14.47	75,646
1961	2,801,418.46	2,949,894	3,009,006	1,193,122	14.90	80,075
1962	2,775,339.64	2,885,798	2,943,626	1,219,383	15.34	79,490
1963	2,370,575.06	2,432,921	2,481,674	1,074,189	15.79	68,030
1964	3,341,626.05	3,384,399	3,452,218	1,560,221	16.24	96,073
1965	4,452,946.30	4,448,493	4,537,635	2,141,784	16.70	128,251
1966	5,297,674.08	5,217,679	5,322,235	2,624,276	17.17	152,841
1967	4,508,691.18	4,377,037	4,464,748	2,298,289	17.64	130,288
1968	5,446,680.15	5,209,205	5,313,591	2,856,429	18.12	157,640
1969	5,834,071.88	5,493,945	5,604,037	3,147,071	18.61	169,106
1970	5,388,769.30	4,995,389	5,095,491	2,987,663	19.10	156,422
1971	5,882,194.28	5,364,561	5,472,060	3,351,231	19.60	170,981
1972	5,901,885.44	5,292,221	5,398,271	3,454,557	20.11	171,783
1973	6,918,737.48	6,098,175	6,220,375	4,157,731	20.62	201,636
1974	7,307,576.62	6,326,900	6,453,684	4,507,681	21.14	213,230
1975	5,767,259.07	4,901,593	4,999,815	3,651,074	21.67	168,485
1976	6,928,870.65	5,778,678	5,894,476	4,498,830	22.20	202,650
1977	6,805,684.10	5,565,688	5,677,218	4,531,308	22.74	199,266
1978	8,155,443.54	6,534,957	6,665,910	5,567,255	23.29	239,041
1979	8,621,035.41	6,763,202	6,898,728	6,032,825	23.85	252,949
1980	10,280,926.33	7,892,667	8,050,827	7,370,562	24.41	301,948
1981	9,115,921.49	6,842,411	6,979,525	6,694,357	24.98	267,989
1982	9,775,700.84	7,170,477	7,314,165	7,349,386	25.55	287,647
1983	10,621,394.82	7,602,794	7,755,145	8,176,947	26.14	312,814
1984	10,740,744.44	7,498,114	7,648,367	8,462,750	26.73	316,601
1985	11,424,640.97	7,773,326	7,929,094	9,207,867	27.32	337,038
1986	15,163,163.42	10,039,531	10,240,711	12,504,034	27.93	447,692
1987	14,797,664.17	9,531,175	9,722,168	12,474,328	28.53	437,235
1988	17,899,407.77	11,196,080	11,420,436	15,428,676	29.15	529,286
1989	18,782,839.03	11,399,305	11,627,733	16,546,526	29.77	555,812
1990	16,375,546.22	9,628,821	9,821,771	14,741,548	30.40	484,919
1991	15,628,917.28	8,894,417	9,072,651	14,370,725	31.03	463,124
1992	21,210,407.38	11,663,603	11,897,328	19,918,283	31.67	628,932
1993	15,783,635.38	8,376,375	8,544,228	15,131,225	32.31	468,314
1994	18,352,227.38	9,381,659	9,569,656	17,958,685	32.96	544,863
1995	23,033,157.54	11,325,404	11,552,352	22,997,384	33.61	684,242
1996	21,153,662.42	9,982,413	10,182,449	21,548,045	34.27	628,773
1997	26,378,197.22	11,925,583	12,164,557	27,402,739	34.93	784,504
1998	18,166,236.14	7,847,814	8,005,075	19,244,279	35.60	540,570
1999	16,945,718.12	6,985,025	7,124,997	18,293,580	36.26	504,511
2000	21,350,721.49	8,365,213	8,532,842	23,493,240	36.94	635,984
2001	25,156,581.34	9,350,701	9,538,078	28,196,794	37.61	749,715
2002	24,185,458.54	8,496,352	8,666,609	27,611,579	38.29	721,117

AMEREN MISSOURI

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
NET SALVAGE PERCENT.. -50						
2003	27,487,489.70	9,087,364	9,269,464	31,961,771	38.98	819,953
2004	28,396,155.06	8,808,487	8,984,998	33,609,235	39.66	847,434
2005	31,053,638.43	8,990,028	9,170,177	37,410,281	40.35	927,145
2006	56,356,681.51	15,148,676	15,452,237	69,082,785	41.04	1,683,304
2007	30,513,380.59	7,561,216	7,712,734	38,057,337	41.74	911,771
2008	87,202,125.01	19,803,603	20,200,444	110,602,744	42.43	2,606,711
2009	73,820,187.40	15,214,341	15,519,218	95,211,063	43.13	2,207,537
2010	52,833,487.94	9,763,629	9,959,280	69,290,952	43.84	1,580,542
2011	53,514,323.04	8,749,592	8,924,923	71,346,562	44.55	1,601,494
2012	43,021,845.89	6,117,706	6,240,298	58,292,471	45.26	1,287,947
2013	51,583,459.18	6,220,965	6,345,626	71,029,563	45.98	1,544,793
2014	44,251,230.77	4,380,872	4,468,659	61,908,187	46.70	1,325,657
2015	44,606,502.43	3,439,161	3,508,078	63,401,676	47.43	1,336,742
2016	49,960,308.73	2,757,809	2,813,072	72,127,391	48.16	1,497,662
2017	49,077,886.95	1,634,294	1,667,043	71,949,787	48.89	1,471,667
2018	47,739,443.42	529,908	540,527	71,068,638	49.63	1,431,969
	1,298,755,660.19	466,079,863	475,419,309	1,472,714,181		38,608,948
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						38.1 2.97

AMEREN MISSOURI

ACCOUNT 366 UNDERGROUND CONDUIT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -50						
1915	2,214,158.22	3,150,891	2,669,747	651,490	3.59	181,474
1916	89,236.42	126,493	107,177	26,678	3.85	6,929
1917	119,974.38	169,396	143,529	36,433	4.11	8,864
1918	2,053.89	2,889	2,448	633	4.36	145
1919	1,686.93	2,363	2,002	528	4.62	114
1920	6,979.49	9,741	8,254	2,215	4.87	455
1921	9,206.61	12,798	10,844	2,966	5.13	578
1922	5,338.95	7,392	6,263	1,745	5.39	324
1923	7,134.48	9,838	8,336	2,366	5.65	419
1924	10,611.82	14,574	12,349	3,569	5.91	604
1925	42,408.74	58,015	49,156	14,457	6.16	2,347
1926	39,824.69	54,250	45,966	13,771	6.43	2,142
1927	135,161.51	183,366	155,366	47,376	6.69	7,082
1928	419,300.27	566,502	479,997	148,953	6.95	21,432
1929	567,990.87	764,112	647,431	204,555	7.22	28,332
1930	155,115.96	207,778	176,050	56,624	7.49	7,560
1931	198,640.82	264,888	224,439	73,522	7.77	9,462
1932	53,751.17	71,355	60,459	20,168	8.05	2,505
1933	33,268.65	43,958	37,246	12,657	8.34	1,518
1934	15,942.50	20,962	17,761	6,153	8.64	712
1935	26,942.54	35,253	29,870	10,544	8.94	1,179
1936	188,655.29	245,547	208,052	74,931	9.26	8,092
1937	265,016.28	343,119	290,724	106,800	9.58	11,148
1938	114,482.50	147,413	124,903	46,821	9.91	4,725
1939	217,791.51	278,850	236,269	90,418	10.25	8,821
1940	118,405.07	150,688	127,678	49,930	10.61	4,706
1941	357,245.99	451,893	382,889	152,980	10.97	13,945
1942	203,937.01	256,306	217,168	88,738	11.35	7,818
1943	42,461.58	53,011	44,916	18,776	11.74	1,599
1944	38,143.27	47,284	40,064	17,151	12.15	1,412
1945	30,046.89	36,983	31,336	13,734	12.56	1,093
1946	84,317.44	103,006	87,277	39,199	12.99	3,018
1947	350,133.44	424,435	359,623	165,577	13.43	12,329
1948	247,745.17	297,878	252,392	119,226	13.89	8,584
1949	359,962.06	429,179	363,643	176,300	14.36	12,277
1950	193,362.86	228,555	193,654	96,390	14.84	6,495
1951	434,133.80	508,497	430,849	220,352	15.34	14,365
1952	236,240.29	274,123	232,264	122,096	15.85	7,703
1953	127,676.73	146,727	124,322	67,193	16.37	4,105
1954	263,276.71	299,515	253,779	141,136	16.91	8,346
1955	439,073.32	494,333	418,848	239,762	17.46	13,732
1956	758,002.02	844,145	715,243	421,760	18.03	23,392
1957	557,371.46	613,908	520,164	315,893	18.60	16,983

AMEREN MISSOURI

ACCOUNT 366 UNDERGROUND CONDUIT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -50						
1958	745,150.34	811,312	687,424	430,302	19.19	22,423
1959	684,710.03	736,703	624,208	402,857	19.79	20,357
1960	852,608.96	906,021	767,671	511,242	20.41	25,049
1961	795,973.67	835,259	707,714	486,247	21.03	23,122
1962	975,431.12	1,010,200	855,942	607,205	21.67	28,021
1963	1,022,557.59	1,044,757	885,222	648,614	22.32	29,060
1964	1,406,453.38	1,417,093	1,200,702	908,978	22.98	39,555
1965	1,613,695.78	1,602,739	1,357,999	1,062,545	23.65	44,928
1966	993,672.67	972,453	823,959	666,550	24.33	27,396
1967	1,203,049.94	1,159,566	982,499	822,076	25.02	32,857
1968	2,054,155.87	1,949,096	1,651,467	1,429,767	25.72	55,590
1969	887,860.32	828,946	702,365	629,425	26.43	23,815
1970	1,348,979.78	1,238,950	1,049,761	973,709	27.14	35,877
1971	1,005,805.96	908,032	769,375	739,334	27.87	26,528
1972	1,020,807.12	905,390	767,136	764,075	28.61	26,707
1973	488,215.85	425,268	360,329	371,995	29.35	12,674
1974	2,095,987.57	1,791,629	1,518,046	1,625,935	30.11	54,000
1975	971,898.84	814,937	690,495	767,353	30.87	24,858
1976	574,514.74	472,251	400,138	461,634	31.64	14,590
1977	1,288,924.05	1,037,958	879,461	1,053,925	32.42	32,508
1978	574,163.23	452,765	383,627	477,618	33.20	14,386
1979	608,008.23	469,167	397,525	514,487	33.99	15,136
1980	637,085.80	480,681	407,281	548,348	34.79	15,762
1981	876,803.98	646,332	547,636	767,570	35.60	21,561
1982	882,693.69	635,155	538,166	785,875	36.42	21,578
1983	415,971.71	292,012	247,421	376,537	37.24	10,111
1984	3,919,700.34	2,681,898	2,272,370	3,607,181	38.07	94,751
1985	2,024,806.10	1,348,946	1,142,961	1,894,248	38.91	48,683
1986	4,790,836.33	3,105,468	2,631,260	4,554,994	39.75	114,591
1987	2,421,054.88	1,525,265	1,292,356	2,339,226	40.60	57,616
1988	5,571,795.79	3,407,515	2,887,184	5,470,510	41.46	131,947
1989	3,603,109.60	2,137,166	1,810,819	3,593,845	42.32	84,921
1990	4,250,756.98	2,442,060	2,069,155	4,306,980	43.19	99,722
1991	3,777,077.22	2,098,714	1,778,238	3,887,378	44.07	88,209
1992	5,972,778.68	3,206,128	2,716,549	6,242,619	44.95	138,879
1993	4,576,461.07	2,369,280	2,007,489	4,857,203	45.84	105,960
1994	3,741,642.67	1,865,751	1,580,849	4,031,615	46.73	86,275
1995	7,172,537.73	3,438,192	2,913,177	7,845,630	47.63	164,720
1996	4,974,683.70	2,287,633	1,938,309	5,523,717	48.54	113,797
1997	10,329,197.09	4,548,514	3,853,952	11,639,844	49.45	235,386
1998	6,862,932.22	2,888,299	2,447,253	7,847,145	50.36	155,821
1999	5,259,571.20	2,108,746	1,786,738	6,102,619	51.29	118,983
2000	6,562,801.46	2,501,806	2,119,778	7,724,424	52.21	147,949

AMEREN MISSOURI

ACCOUNT 366 UNDERGROUND CONDUIT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -50						
2001	6,027,600.94	2,177,712	1,845,173	7,196,228	53.14	135,420
2002	5,574,169.55	1,901,600	1,611,224	6,750,030	54.08	124,816
2003	9,114,218.26	2,925,664	2,478,912	11,192,415	55.02	203,424
2004	10,220,719.54	3,074,955	2,605,407	12,725,672	55.96	227,407
2005	18,807,005.82	5,275,365	4,469,812	23,740,697	56.91	417,162
2006	10,798,881.77	2,809,275	2,380,296	13,818,027	57.86	238,818
2007	9,173,852.10	2,199,798	1,863,887	11,896,891	58.81	202,294
2008	36,337,714.45	7,965,590	6,749,237	47,757,335	59.77	799,018
2009	35,594,676.17	7,070,704	5,991,001	47,401,013	60.73	780,521
2010	11,860,312.23	2,109,416	1,787,306	16,003,162	61.70	259,371
2011	13,380,982.09	2,101,684	1,780,755	18,290,718	62.67	291,858
2012	18,966,092.31	2,584,889	2,190,174	26,258,964	63.64	412,617
2013	19,734,790.76	2,279,368	1,931,306	27,670,880	64.61	428,275
2014	39,267,421.41	3,710,771	3,144,133	55,756,999	65.59	850,084
2015	29,384,355.53	2,165,921	1,835,183	42,241,350	66.56	634,636
2016	38,059,160.98	2,006,098	1,699,765	55,388,976	67.54	820,091
2017	29,720,357.68	942,433	798,522	43,782,015	68.52	638,967
2018	31,001,310.98	325,514	275,808	46,226,158	69.51	665,029
	494,642,755.45	133,885,019	113,440,654	628,523,479		11,295,332
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						55.6 2.28

AMEREN MISSOURI

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-R2						
NET SALVAGE PERCENT.. -40						
1915	23,739.14	32,885	29,981	3,254	0.60	3,254
1917	38,355.26	52,633	47,984	5,713	1.13	5,056
1918	284.96	389	355	44	1.38	32
1919	1,259.88	1,713	1,562	202	1.64	123
1920	4,367.54	5,909	5,387	728	1.92	379
1921	696.23	937	854	121	2.19	55
1922	865.43	1,159	1,057	155	2.46	63
1923	4,625.50	6,164	5,620	856	2.74	312
1924	6,809.20	9,028	8,231	1,302	3.02	431
1925	26,531.92	34,994	31,903	5,242	3.30	1,588
1926	13,966.40	18,325	16,707	2,846	3.58	795
1927	15,060.53	19,653	17,917	3,168	3.87	819
1928	21,711.32	28,178	25,689	4,707	4.16	1,131
1929	19,987.07	25,797	23,519	4,463	4.45	1,003
1930	108,679.74	139,499	127,178	24,974	4.74	5,269
1931	21,985.29	28,063	25,584	5,195	5.03	1,033
1932	35,335.19	44,852	40,891	8,578	5.32	1,612
1933	18,450.62	23,289	21,232	4,599	5.61	820
1934	13,856.69	17,391	15,855	3,544	5.90	601
1935	8,573.51	10,699	9,754	2,249	6.19	363
1936	15,627.93	19,392	17,679	4,200	6.48	648
1937	81,212.27	100,173	91,326	22,371	6.78	3,300
1938	28,564.92	35,030	31,936	8,055	7.07	1,139
1939	92,516.65	112,776	102,815	26,708	7.37	3,624
1940	138,995.27	168,409	153,535	41,058	7.67	5,353
1941	94,494.79	113,772	103,723	28,570	7.98	3,580
1942	105,488.49	126,205	115,058	32,626	8.29	3,936
1943	24,007.01	28,539	26,018	7,592	8.60	883
1944	58,224.21	68,758	62,685	18,829	8.92	2,111
1945	20,248.15	23,752	21,654	6,693	9.24	724
1946	61,879.61	72,087	65,720	20,911	9.57	2,185
1947	264,424.18	305,832	278,820	91,374	9.91	9,220
1948	145,732.68	167,338	152,558	51,468	10.25	5,021
1949	117,964.28	134,439	122,565	42,585	10.60	4,017
1950	264,204.24	298,764	272,377	97,509	10.96	8,897
1951	189,967.87	213,091	194,270	71,685	11.33	6,327
1952	195,991.78	218,018	198,762	75,626	11.71	6,458
1953	292,351.13	322,477	293,995	115,297	12.09	9,537
1954	179,218.85	195,928	178,623	72,283	12.49	5,787
1955	410,900.72	445,171	405,853	169,408	12.89	13,143
1956	976,640.00	1,048,019	955,456	411,840	13.31	30,942
1957	847,444.61	900,637	821,091	365,331	13.73	26,608
1958	607,681.18	639,256	582,796	267,958	14.17	18,910

AMEREN MISSOURI

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-R2						
NET SALVAGE PERCENT.. -40						
1959	566,882.37	590,211	538,083	255,552	14.61	17,492
1960	783,750.17	807,148	735,859	361,391	15.07	23,981
1961	727,305.56	740,801	675,372	342,856	15.53	22,077
1962	744,020.63	749,056	682,898	358,731	16.01	22,407
1963	931,513.70	926,838	844,978	459,141	16.49	27,844
1964	1,182,298.64	1,161,847	1,059,231	595,987	16.99	35,079
1965	1,292,134.98	1,253,593	1,142,874	666,115	17.50	38,064
1966	1,161,264.60	1,112,092	1,013,870	611,900	18.01	33,976
1967	1,226,869.80	1,158,945	1,056,585	661,033	18.54	35,654
1968	1,984,777.40	1,848,550	1,685,283	1,093,405	19.08	57,306
1969	1,379,495.39	1,266,175	1,154,344	776,950	19.63	39,580
1970	1,840,189.91	1,663,727	1,516,784	1,059,482	20.19	52,476
1971	2,636,369.77	2,346,649	2,139,389	1,551,529	20.76	74,736
1972	3,229,495.79	2,828,567	2,578,743	1,942,551	21.34	91,029
1973	3,679,146.53	3,170,012	2,890,031	2,260,774	21.92	103,138
1974	3,145,758.33	2,664,061	2,428,767	1,975,295	22.52	87,713
1975	8,248,610.49	6,861,970	6,255,910	5,292,145	23.13	228,800
1976	2,384,343.75	1,947,203	1,775,223	1,562,858	23.75	65,805
1977	6,260,076.09	5,015,523	4,572,544	4,191,563	24.38	171,926
1978	7,461,400.94	5,862,587	5,344,794	5,101,167	25.01	203,965
1979	7,986,204.43	6,147,365	5,604,420	5,576,266	25.66	217,314
1980	3,057,528.88	2,304,729	2,101,172	2,179,368	26.31	82,834
1981	5,864,979.12	4,325,868	3,943,800	4,267,171	26.97	158,219
1982	5,333,794.20	3,844,994	3,505,398	3,961,914	27.65	143,288
1983	5,979,807.57	4,210,813	3,838,907	4,532,824	28.33	160,001
1984	6,199,182.23	4,260,276	3,884,001	4,794,854	29.02	165,226
1985	9,526,496.15	6,385,401	5,821,432	7,515,663	29.71	252,967
1986	11,266,070.43	7,355,032	6,705,424	9,067,075	30.42	298,063
1987	12,119,588.03	7,700,835	7,020,685	9,946,738	31.13	319,523
1988	13,555,378.99	8,373,456	7,633,899	11,343,632	31.85	356,158
1989	14,093,238.30	8,452,955	7,706,376	12,024,158	32.58	369,066
1990	13,244,148.37	7,703,009	7,022,667	11,519,141	33.32	345,713
1991	11,981,185.33	6,750,727	6,154,492	10,619,167	34.06	311,778
1992	13,966,149.39	7,611,831	6,939,542	12,613,067	34.81	362,340
1993	15,486,400.37	8,151,174	7,431,249	14,249,712	35.57	400,610
1994	17,869,025.54	9,067,530	8,266,671	16,749,965	36.34	460,924
1995	17,442,042.17	8,520,961	7,768,376	16,650,483	37.11	448,679
1996	18,361,302.84	8,618,135	7,856,967	17,848,857	37.89	471,070
1997	22,255,932.46	10,019,888	9,134,915	22,023,390	38.67	569,521
1998	17,260,535.20	7,431,627	6,775,254	17,389,495	39.47	440,575
1999	15,915,544.42	6,539,920	5,962,304	16,319,458	40.27	405,251
2000	15,059,208.59	5,892,036	5,371,642	15,711,250	41.07	382,548
2001	13,884,761.56	5,156,301	4,700,888	14,737,778	41.88	351,905

AMEREN MISSOURI

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-R2						
NET SALVAGE PERCENT.. -40						
2002	12,918,617.96	4,537,432	4,136,679	13,949,386	42.70	326,684
2003	16,865,022.78	5,579,759	5,086,945	18,524,087	43.53	425,548
2004	15,773,664.31	4,896,934	4,464,429	17,618,701	44.36	397,175
2005	22,857,868.84	6,630,291	6,044,693	25,956,323	45.19	574,382
2006	26,119,683.60	7,031,210	6,410,202	30,157,355	46.04	655,025
2007	13,632,889.59	3,388,537	3,089,256	15,996,789	46.88	341,228
2008	45,370,741.35	10,319,303	9,407,885	54,111,153	47.74	1,133,455
2009	39,584,903.57	8,176,499	7,454,337	47,964,528	48.59	987,128
2010	20,083,630.62	3,719,328	3,390,831	24,726,252	49.46	499,924
2011	23,449,591.12	3,841,700	3,502,395	29,327,033	50.33	582,695
2012	30,149,993.82	4,294,867	3,915,537	38,294,454	51.20	747,939
2013	21,117,383.44	2,551,994	2,326,598	27,237,739	52.08	522,998
2014	34,189,346.35	3,392,677	3,093,030	44,772,055	52.96	845,394
2015	28,852,794.99	2,232,168	2,035,019	38,358,894	53.85	712,329
2016	37,679,228.25	2,082,079	1,898,186	50,852,734	54.75	928,817
2017	40,294,819.61	1,346,008	1,227,126	55,185,621	55.64	991,834
2018	44,631,129.65	492,995	449,453	62,034,129	56.55	1,096,978
	817,744,441.50	279,573,619	254,881,219	889,960,999		20,873,243
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						42.6 2.55

AMEREN MISSOURI

ACCOUNT 368 LINE TRANSFORMERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-R2.5						
NET SALVAGE PERCENT.. +5						
1900	215.45	205	205			
1901	179.92	171	171			
1902	303.18	288	288			
1903	540.83	514	514			
1904	650.79	618	618			
1905	907.32	862	862			
1906	1,288.24	1,224	1,224			
1907	342.05	325	325			
1908	320.94	305	305			
1909	2,658.67	2,526	2,526			
1910	270.97	257	257			
1911	494.20	469	469			
1912	1,751.35	1,664	1,664			
1913	6,808.79	6,468	6,468			
1914	2,665.32	2,532	2,532			
1915	1,742.47	1,655	1,655			
1916	2,824.14	2,683	2,683			
1917	581.92	553	553			
1918	7,374.43	7,006	7,006			
1919	4,809.82	4,569	4,569			
1920	8,961.05	8,513	8,513			
1921	1,353.76	1,286	1,286			
1922	1,085.01	1,031	1,031			
1923	5,762.89	5,475	5,475			
1924	1,028.37	977	977			
1925	26,607.76	25,277	25,277			
1926	8,975.50	8,527	8,527			
1927	5,326.21	5,060	5,060			
1928	27,324.06	25,958	25,958			
1929	16,279.61	15,466	15,466			
1930	4,375.58	4,157	4,157			
1931	2,790.82	2,651	2,651			
1932	7,733.89	7,347	7,347			
1933	5,606.08	5,326	5,326			
1934	6,229.10	5,918	5,918			
1935	310.96	295	295			
1936	16,126.35	15,320	15,320			
1937	29,509.64	28,034	28,034			
1938	12,716.95	12,081	12,081			
1939	429,472.31	407,999	407,999			
1940	605,258.99	574,996	574,996			
1941	23,882.46	22,613	22,688			
1942	15,146.86	14,253	14,390			

AMEREN MISSOURI

ACCOUNT 368 LINE TRANSFORMERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-R2.5						
NET SALVAGE PERCENT.. +5						
1943	386.48	362	367			
1944	10,323.71	9,597	9,784	24	0.90	24
1945	12,110.58	11,185	11,403	102	1.17	87
1946	36,250.60	33,265	33,913	525	1.43	367
1947	90,622.31	82,606	84,216	1,875	1.70	1,103
1948	313,030.30	283,360	288,881	8,498	1.98	4,292
1949	44,944.79	40,410	41,197	1,501	2.25	667
1950	34,712.53	31,006	31,610	1,367	2.51	545
1951	41,632.86	36,952	37,672	1,879	2.76	681
1952	112,143.35	98,952	100,880	5,656	2.99	1,892
1953	303,854.11	266,530	271,723	16,938	3.22	5,260
1954	438,728.08	382,656	390,112	26,680	3.44	7,756
1955	1,399,894.98	1,214,332	1,237,993	91,907	3.65	25,180
1956	1,225,212.20	1,056,705	1,077,295	86,657	3.87	22,392
1957	836,123.02	716,966	730,936	63,381	4.09	15,497
1958	470,502.29	401,001	408,815	38,162	4.32	8,834
1959	475,692.59	403,057	410,911	40,997	4.54	9,030
1960	646,383.03	544,325	554,931	59,133	4.77	12,397
1961	432,786.50	362,101	369,157	41,990	5.01	8,381
1962	586,979.41	487,927	497,434	60,196	5.25	11,466
1963	722,610.94	596,586	608,211	78,269	5.50	14,231
1964	1,117,462.44	916,258	934,111	127,478	5.75	22,170
1965	924,662.91	752,726	767,393	111,037	6.01	18,475
1966	1,760,703.42	1,422,571	1,450,290	222,378	6.28	35,411
1967	2,636,698.14	2,113,629	2,154,813	350,050	6.56	53,361
1968	1,993,739.53	1,585,133	1,616,019	278,034	6.85	40,589
1969	2,038,160.58	1,606,160	1,637,456	298,797	7.16	41,731
1970	2,114,889.60	1,651,316	1,683,492	325,653	7.48	43,536
1971	2,642,002.91	2,042,584	2,082,384	427,519	7.82	54,670
1972	2,418,730.74	1,850,276	1,886,329	411,465	8.18	50,301
1973	2,833,976.05	2,143,564	2,185,331	506,946	8.56	59,223
1974	3,224,985.50	2,410,854	2,457,830	605,906	8.95	67,699
1975	1,795,090.66	1,324,876	1,350,691	354,645	9.37	37,849
1976	2,879,831.99	2,096,830	2,137,687	598,153	9.81	60,974
1977	3,986,715.03	2,861,289	2,917,041	870,338	10.27	84,746
1978	4,975,521.01	3,516,935	3,585,463	1,141,282	10.75	106,166
1979	4,993,766.58	3,473,329	3,541,007	1,203,071	11.25	106,940
1980	3,772,860.90	2,579,777	2,630,044	954,174	11.77	81,068
1981	3,975,332.94	2,669,655	2,721,673	1,054,893	12.31	85,694
1982	4,299,939.81	2,833,194	2,888,399	1,196,544	12.87	92,972
1983	3,610,844.07	2,331,782	2,377,217	1,053,085	13.45	78,296
1984	9,144,086.74	5,782,944	5,895,625	2,791,257	14.04	198,807
1985	7,087,866.20	4,383,154	4,468,560	2,264,913	14.66	154,496

AMEREN MISSOURI

ACCOUNT 368 LINE TRANSFORMERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-R2.5						
NET SALVAGE PERCENT.. +5						
1986	7,814,419.32	4,721,101	4,813,092	2,610,606	15.29	170,739
1987	7,064,238.91	4,165,602	4,246,769	2,464,258	15.93	154,693
1988	6,567,076.13	3,772,930	3,846,446	2,392,276	16.60	144,113
1989	7,412,415.20	4,146,279	4,227,069	2,814,725	17.27	162,983
1990	7,676,934.95	4,174,418	4,255,757	3,037,331	17.96	169,116
1991	7,695,681.57	4,061,057	4,140,187	3,170,710	18.67	169,829
1992	8,238,742.43	4,215,283	4,297,418	3,529,387	19.38	182,115
1993	9,053,040.78	4,482,437	4,569,777	4,030,612	20.11	200,428
1994	9,671,954.45	4,626,981	4,717,138	4,471,219	20.85	214,447
1995	10,650,293.24	4,911,979	5,007,689	5,110,090	21.61	236,469
1996	13,228,747.37	5,873,709	5,988,158	6,579,152	22.37	294,106
1997	14,695,224.18	6,265,595	6,387,680	7,572,783	23.15	327,118
1998	10,011,587.36	4,089,733	4,169,422	5,341,586	23.94	223,124
1999	9,849,318.26	3,845,198	3,920,122	5,436,730	24.74	219,755
2000	12,005,171.89	4,466,962	4,554,001	6,850,912	25.55	268,137
2001	12,912,140.04	4,567,812	4,656,816	7,609,717	26.36	288,684
2002	8,747,775.27	2,930,408	2,987,507	5,322,880	27.19	195,766
2003	11,832,681.75	3,738,997	3,811,852	7,429,196	28.03	265,044
2004	11,141,817.17	3,306,457	3,370,883	7,213,843	28.88	249,787
2005	13,578,399.80	3,765,358	3,838,726	9,060,754	29.74	304,666
2006	16,155,916.82	4,165,940	4,247,114	11,101,007	30.60	362,778
2007	20,168,866.61	4,803,710	4,897,311	14,263,112	31.47	453,229
2008	23,849,981.93	5,200,345	5,301,674	17,355,809	32.36	536,335
2009	14,476,071.78	2,868,311	2,924,200	10,828,068	33.24	325,754
2010	10,168,749.46	1,807,831	1,843,057	7,817,255	34.14	228,976
2011	14,813,801.79	2,332,055	2,377,495	11,695,617	35.04	333,779
2012	15,180,640.07	2,077,433	2,117,912	12,303,696	35.95	342,245
2013	17,072,113.68	1,980,929	2,019,527	14,198,981	36.87	385,109
2014	16,011,705.04	1,524,763	1,554,473	13,656,647	37.79	361,383
2015	17,940,250.48	1,331,077	1,357,013	15,686,225	38.72	405,119
2016	14,325,135.47	761,417	776,253	12,832,626	39.65	323,648
2017	14,768,067.23	470,976	480,153	13,549,511	40.59	333,814
2018	17,489,099.50	185,918	189,541	16,425,104	41.53	395,500
	496,029,447.35	176,281,172	179,692,194	291,535,781		10,954,044

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 26.6 2.21

AMEREN MISSOURI

ACCOUNT 369.1 OVERHEAD SERVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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 47-R2.5						
NET SALVAGE PERCENT.. -200						
1919	330.15	990	990			
1920	196.71	590	590			
1921	200.44	601	601			
1922	284.05	852	852			
1923	2,073.04	6,219	6,219			
1924	130.37	391	391			
1925	16,511.94	49,536	49,536			
1926	2,871.31	8,614	8,614			
1927	3,899.78	11,699	11,699			
1928	4,472.63	13,418	13,418			
1929	30,784.58	92,354	92,354			
1930	38,625.12	115,875	115,875			
1931	29,852.66	89,558	89,558			
1932	15,621.11	46,614	46,863			
1933	11,626.78	34,532	34,880			
1934	12,325.72	36,411	36,977			
1935	12,526.37	36,803	37,579			
1936	12,404.33	36,239	37,213			
1937	61,297.94	178,026	183,894			
1938	16,701.11	48,216	50,103			
1939	47,464.47	136,182	142,393			
1940	109,897.02	313,348	329,691			
1941	119,372.49	338,306	358,117			
1942	78,029.29	219,893	234,088			
1943	76,667.35	214,831	230,002			
1944	52,653.10	146,768	157,959			
1945	42,783.70	118,657	128,351			
1946	42,966.50	118,532	128,900			
1947	107,119.87	294,079	321,360			
1948	101,216.57	276,452	303,650			
1949	95,689.60	260,010	287,069			
1950	102,714.27	277,655	308,143			
1951	143,176.32	384,931	429,529			
1952	222,610.64	595,365	667,832			
1953	202,332.92	538,165	606,999			
1954	225,112.51	595,303	675,338			
1955	74,942.63	197,035	224,828			
1956	67,254.28	175,792	201,763			
1957	50,767.26	131,887	152,302			
1958	80,707.82	208,330	242,123			
1959	66,110.84	169,552	198,333			
1960	143,542.51	365,667	430,628			
1961	65,116.09	164,675	195,348			

AMEREN MISSOURI

ACCOUNT 369.1 OVERHEAD SERVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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 47-R2.5						
NET SALVAGE PERCENT.. -200						
1962	77,072.13	193,484	231,216			
1963	45,443.05	113,182	136,329			
1964	55,801.55	137,841	167,405			
1965	559,920.42	1,371,323	1,669,583	10,178	8.63	1,179
1966	862,349.38	2,092,767	2,547,939	39,109	8.98	4,355
1967	769,689.76	1,849,703	2,252,009	57,060	9.35	6,103
1968	925,714.61	2,201,636	2,680,487	96,657	9.74	9,924
1969	913,487.79	2,149,236	2,616,690	123,773	10.14	12,206
1970	931,459.82	2,166,538	2,637,755	156,624	10.56	14,832
1971	1,509,364.35	3,468,338	4,222,694	305,399	11.00	27,764
1972	1,443,570.34	3,274,754	3,987,006	343,705	11.46	29,992
1973	1,769,440.49	3,959,795	4,821,042	487,279	11.94	40,811
1974	1,565,659.57	3,453,782	4,204,972	492,007	12.44	39,550
1975	1,919,959.03	4,172,858	5,080,446	679,431	12.95	52,466
1976	1,960,682.33	4,195,017	5,107,424	774,623	13.48	57,465
1977	1,753,503.63	3,690,196	4,492,806	767,705	14.03	54,719
1978	2,099,461.04	4,341,853	5,286,197	1,012,186	14.60	69,328
1979	2,258,321.90	4,586,787	5,584,404	1,190,562	15.18	78,430
1980	2,651,805.24	5,284,464	6,433,824	1,521,592	15.78	96,425
1981	2,685,974.67	5,247,965	6,389,386	1,668,538	16.39	101,802
1982	2,731,771.39	5,227,545	6,364,525	1,830,789	17.02	107,567
1983	2,891,272.75	5,412,810	6,590,085	2,083,733	17.67	117,925
1984	3,376,659.15	6,179,286	7,523,268	2,606,709	18.33	142,210
1985	3,989,769.25	7,130,595	8,681,484	3,287,824	19.00	173,043
1986	3,552,259.25	6,194,572	7,541,878	3,114,900	19.68	158,277
1987	3,966,146.66	6,741,656	8,207,952	3,690,488	20.37	181,173
1988	3,980,870.13	6,586,230	8,018,721	3,923,889	21.08	186,143
1989	4,036,040.88	6,492,012	7,904,011	4,204,112	21.80	192,849
1990	4,088,626.33	6,386,107	7,775,072	4,490,807	22.53	199,326
1991	3,850,392.25	5,832,074	7,100,538	4,450,639	23.27	191,261
1992	3,467,360.98	5,083,706	6,189,401	4,212,682	24.03	175,309
1993	4,523,897.06	6,413,303	7,808,183	5,763,508	24.79	232,493
1994	1,129,062.55	1,545,133	1,881,196	1,505,992	25.56	58,920
1995	4,786,970.51	6,309,610	7,681,937	6,678,975	26.35	253,472
1996	4,328,119.31	5,486,540	6,679,851	6,304,507	27.14	232,296
1997	5,203,679.76	6,330,745	7,707,669	7,903,370	27.94	282,869
1998	3,892,667.26	4,534,568	5,520,827	6,157,175	28.75	214,163
1999	3,513,293.08	3,908,714	4,758,851	5,781,028	29.57	195,503
2000	3,235,922.94	3,428,687	4,174,419	5,533,350	30.40	182,018
2001	3,674,506.77	3,696,407	4,500,368	6,523,152	31.24	208,808
2002	2,958,001.01	2,817,052	3,429,755	5,444,248	32.08	169,708
2003	4,033,031.69	3,619,444	4,406,665	7,692,430	32.94	233,529
2004	3,843,064.78	3,237,974	3,942,227	7,586,967	33.80	224,466

AMEREN MISSOURI

ACCOUNT 369.1 OVERHEAD SERVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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 47-R2.5						
NET SALVAGE PERCENT.. -200						
2005	4,155,712.48	3,270,629	3,981,984	8,485,153	34.67	244,740
2006	13,412,402.11	9,802,588	11,934,630	28,302,576	35.55	796,134
2007	7,909,303.14	5,336,170	6,496,776	17,231,133	36.43	472,993
2008	8,496,464.71	5,249,796	6,391,615	19,097,779	37.32	511,730
2009	6,886,665.94	3,859,494	4,698,926	15,961,072	38.22	417,610
2010	4,066,989.63	2,045,614	2,490,531	9,710,438	39.12	248,222
2011	7,427,827.69	3,304,641	4,023,393	18,260,090	40.03	456,160
2012	2,978,900.11	1,152,298	1,402,920	7,533,780	40.94	184,020
2013	6,776,537.56	2,223,246	2,706,797	17,622,816	41.86	420,994
2014	3,907,079.66	1,052,450	1,281,356	10,439,883	42.78	244,037
2015	4,494,870.72	943,923	1,149,224	12,335,388	43.71	282,210
2016	5,980,009.03	897,001	1,092,097	16,847,930	44.65	377,333
2017	4,838,405.11	435,456	530,167	13,985,048	45.59	306,757
2018	5,370,922.53	161,128	196,173	15,916,595	46.53	342,072
	201,105,141.45	223,329,676	271,088,038	332,227,386		10,315,691
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						32.2 5.13

AMEREN MISSOURI

ACCOUNT 369.2 UNDERGROUND SERVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -90						
1911	469.05	891	891			
1915	15,322.94	29,114	29,114			
1916	2,023.63	3,845	3,845			
1917	7,884.76	14,981	14,981			
1918	2,041.78	3,857	3,879			
1919	2,331.46	4,393	4,430			
1920	3,909.30	7,339	7,428			
1921	3,541.18	6,624	6,728			
1922	3,268.57	6,089	6,210			
1923	2,565.44	4,761	4,874			
1924	2,287.88	4,228	4,347			
1925	9,968.75	18,347	18,941			
1926	12,323.43	22,583	23,415			
1927	10,529.63	19,216	20,006			
1928	22,425.54	40,741	42,609			
1929	20,736.22	37,508	39,399			
1930	19,993.01	36,005	37,987			
1931	14,608.21	26,187	27,756			
1932	7,339.93	13,098	13,946			
1933	9,485.35	16,851	18,022			
1934	7,386.16	13,061	14,034			
1935	7,426.64	13,071	14,111			
1936	14,963.21	26,217	28,430			
1937	18,953.39	33,052	36,011			
1938	6,645.83	11,535	12,627			
1939	15,387.32	26,580	29,236			
1940	21,951.87	37,739	41,709			
1941	15,209.63	26,018	28,898			
1942	12,980.52	22,094	24,663			
1943	5,037.61	8,531	9,571			
1944	6,461.47	10,885	12,277			
1945	13,957.72	23,386	26,520			
1946	25,556.11	42,584	48,557			
1947	28,628.30	47,422	54,394			
1948	34,224.43	56,356	65,026			
1949	36,956.19	60,469	70,217			
1950	31,112.92	50,572	59,115			
1951	29,883.66	48,243	56,491	288	9.02	32
1952	44,239.09	70,914	83,038	1,016	9.38	108
1953	41,984.86	66,795	78,215	1,556	9.76	159
1954	52,143.25	82,312	96,385	2,687	10.15	265
1955	100,931.38	158,018	185,034	6,736	10.56	638
1956	57,930.69	89,926	105,301	4,767	10.98	434

AMEREN MISSOURI

ACCOUNT 369.2 UNDERGROUND SERVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -90						
1957	79,653.54	122,537	143,487	7,855	11.42	688
1958	69,531.67	105,975	124,094	8,016	11.87	675
1959	82,199.12	124,057	145,267	10,911	12.34	884
1960	76,667.85	114,521	134,101	11,568	12.83	902
1961	84,286.82	124,566	145,863	14,282	13.33	1,071
1962	94,084.42	137,497	161,005	17,755	13.85	1,282
1963	155,302.48	224,354	262,712	32,363	14.38	2,251
1964	301,703.77	430,599	504,219	69,018	14.93	4,623
1965	749,289.24	1,056,106	1,236,669	186,981	15.49	12,071
1966	675,090.66	939,134	1,099,698	182,974	16.07	11,386
1967	422,765.83	580,215	679,415	123,840	16.66	7,433
1968	681,846.34	922,622	1,080,363	215,145	17.27	12,458
1969	579,881.23	773,258	905,462	196,312	17.89	10,973
1970	523,591.49	687,592	805,150	189,674	18.53	10,236
1971	1,244,228.99	1,608,324	1,883,300	480,735	19.18	25,064
1972	1,664,332.91	2,116,577	2,478,450	683,783	19.84	34,465
1973	2,256,482.28	2,821,783	3,304,225	983,091	20.51	47,932
1974	2,283,736.68	2,806,660	3,286,517	1,052,583	21.19	49,674
1975	2,066,088.69	2,493,403	2,919,702	1,005,867	21.89	45,951
1976	2,649,322.92	3,137,665	3,674,114	1,359,600	22.60	60,159
1977	3,403,868.13	3,953,685	4,629,649	1,837,700	23.32	78,804
1978	4,361,911.76	4,965,701	5,814,690	2,472,942	24.05	102,825
1979	3,858,703.35	4,302,365	5,037,943	2,293,593	24.79	92,521
1980	2,779,799.03	3,034,290	3,553,065	1,728,553	25.53	67,707
1981	2,614,508.21	2,790,927	3,268,094	1,699,472	26.29	64,643
1982	2,121,387.49	2,212,819	2,591,146	1,439,490	27.06	53,196
1983	4,294,402.13	4,373,419	5,121,145	3,038,219	27.84	109,131
1984	3,536,823.90	3,513,400	4,114,088	2,605,877	28.63	91,019
1985	2,667,265.84	2,582,908	3,024,510	2,043,295	29.42	69,453
1986	3,188,602.33	3,005,969	3,519,902	2,538,442	30.23	83,971
1987	1,896,217.29	1,738,970	2,036,283	1,566,530	31.04	50,468
1988	1,914,025.37	1,705,588	1,997,194	1,639,454	31.86	51,458
1989	1,780,205.49	1,539,563	1,802,783	1,579,607	32.69	48,321
1990	2,647,877.17	2,219,512	2,598,983	2,431,984	33.53	72,532
1991	2,849,827.83	2,312,065	2,707,360	2,707,313	34.38	78,747
1992	3,783,316.40	2,967,546	3,474,909	3,713,392	35.23	105,404
1993	3,787,641.22	2,867,813	3,358,125	3,838,393	36.09	106,356
1994	4,638,533.21	3,384,274	3,962,886	4,850,327	36.96	131,232
1995	4,221,772.52	2,962,532	3,469,038	4,552,330	37.84	120,305
1996	4,339,976.77	2,924,593	3,424,613	4,821,343	38.72	124,518
1997	3,796,468.59	2,451,292	2,870,391	4,342,899	39.61	109,641
1998	2,649,257.12	1,635,061	1,914,608	3,118,981	40.51	76,993
1999	4,023,777.77	2,368,705	2,773,684	4,871,494	41.41	117,641

AMEREN MISSOURI

ACCOUNT 369.2 UNDERGROUND SERVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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.. -90						
2000	3,237,492.52	1,812,585	2,122,484	4,028,752	42.32	95,197
2001	2,867,354.85	1,521,783	1,781,963	3,666,011	43.24	84,783
2002	3,757,791.39	1,884,908	2,207,172	4,932,632	44.16	111,699
2003	4,837,587.58	2,285,630	2,676,406	6,515,010	45.08	144,521
2004	5,147,032.64	2,278,591	2,668,163	7,111,199	46.02	154,524
2005	4,360,452.71	1,800,549	2,108,390	6,176,470	46.96	131,526
2006	6,148,066.29	2,355,773	2,758,541	8,922,785	47.90	186,279
2007	2,349,532.80	829,566	971,397	3,492,715	48.85	71,499
2008	6,835,830.25	2,207,973	2,585,472	10,402,605	49.80	208,888
2009	4,058,375.87	1,188,792	1,392,041	6,318,873	50.75	124,510
2010	3,919,763.80	1,029,028	1,204,962	6,242,589	51.71	120,723
2011	3,637,121.90	843,085	987,228	5,923,304	52.68	112,439
2012	3,257,865.48	656,134	768,313	5,421,631	53.64	101,074
2013	3,480,306.58	592,950	694,327	5,918,256	54.62	108,353
2014	3,628,902.16	506,776	593,420	6,301,494	55.59	113,357
2015	3,846,802.69	419,021	490,661	6,818,264	56.56	120,549
2016	4,871,436.66	379,485	444,366	8,811,364	57.54	153,135
2017	3,836,709.13	179,838	210,585	7,079,162	58.52	120,970
2018	4,895,355.72	75,991	88,983	9,212,193	59.51	154,801
	171,673,045.18	111,331,338	130,302,444	195,876,342		4,767,527
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						41.1 2.78

AMEREN MISSOURI

ACCOUNT 370 METERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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 28-S0.5						
NET SALVAGE PERCENT.. -5						
1913	23.43	25	25			
1919	168.44	177	177			
1920	408.06	428	428			
1921	2,320.60	2,437	2,437			
1923	796.58	836	836			
1924	904.66	950	950			
1925	2,886.35	3,031	3,031			
1926	416.66	437	437			
1927	1,980.76	2,080	2,080			
1928	2,059.59	2,163	2,163			
1929	956.85	1,005	1,005			
1930	3,786.24	3,976	3,976			
1931	3,280.03	3,444	3,444			
1932	2,638.21	2,770	2,770			
1933	1,633.19	1,715	1,715			
1934	2,354.43	2,472	2,472			
1935	3,391.08	3,561	3,561			
1936	4,717.29	4,953	4,953			
1937	22,761.18	23,899	23,899			
1938	13,004.41	13,655	13,655			
1939	15,105.90	15,861	15,861			
1940	23,806.06	24,996	24,996			
1941	72,538.76	76,166	76,166			
1942	10,688.19	11,223	11,223			
1943	7,826.82	8,218	8,218			
1944	23,802.88	24,993	24,993			
1945	7,347.13	7,714	7,714			
1946	31,712.58	33,298	33,298			
1947	51,713.41	54,299	54,299			
1948	44,561.52	46,790	46,790			
1949	47,222.89	49,584	49,584			
1950	37,888.10	39,783	39,783			
1951	44,196.56	46,406	46,406			
1952	54,857.14	57,600	57,600			
1953	69,284.68	72,749	72,749			
1954	72,667.01	76,300	76,300			
1955	63,085.32	66,240	66,240			
1956	103,285.07	108,449	108,449			
1957	106,199.21	111,509	111,509			
1958	150,296.94	157,812	157,812			
1959	138,141.74	145,049	145,049			
1960	73,245.86	76,908	76,908			
1961	94,962.15	99,710	99,710			

AMEREN MISSOURI

ACCOUNT 370 METERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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 28-S0.5						
NET SALVAGE PERCENT.. -5						
1962	125,561.45	131,840	131,840			
1963	104,145.64	108,572	109,353			
1964	92,047.42	94,785	96,650			
1965	132,403.38	134,604	138,611	413	0.89	413
1966	135,844.96	136,371	140,431	2,206	1.23	1,793
1967	143,797.38	142,467	146,708	4,279	1.58	2,708
1968	194,711.70	190,502	196,173	8,274	1.91	4,332
1969	166,954.36	161,215	166,014	9,288	2.25	4,128
1970	146,000.71	139,176	143,319	9,982	2.58	3,869
1971	186,526.69	175,428	180,650	15,203	2.92	5,207
1972	159,838.16	148,350	152,766	15,064	3.25	4,635
1973	162,698.19	148,931	153,365	17,468	3.59	4,866
1974	186,457.46	168,301	173,311	22,469	3.93	5,717
1975	147,599.09	131,401	135,313	19,666	4.26	4,616
1976	198,708.24	174,293	179,482	29,162	4.61	6,326
1977	140,284.11	121,257	124,867	22,431	4.95	4,532
1978	198,049.36	168,589	173,608	34,344	5.30	6,480
1979	180,417.61	151,212	155,714	33,724	5.65	5,969
1980	218,474.22	180,240	185,606	43,792	6.00	7,299
1981	189,449.52	153,739	158,316	40,606	6.36	6,385
1982	168,238.72	134,254	138,251	38,400	6.72	5,714
1983	127,004.23	99,588	102,553	30,801	7.09	4,344
1984	184,751.86	142,235	146,469	47,520	7.47	6,361
1985	1,614,555.51	1,219,994	1,256,313	438,970	7.85	55,920
1986	1,714,110.99	1,270,796	1,308,627	491,190	8.23	59,683
1987	1,493,756.86	1,085,034	1,117,335	451,110	8.63	52,272
1988	1,385,839.22	985,851	1,015,199	439,932	9.03	48,719
1989	1,554,678.38	1,082,632	1,114,862	517,550	9.43	54,883
1990	1,805,824.85	1,229,081	1,265,670	630,446	9.85	64,005
1991	1,659,466.41	1,103,330	1,136,176	606,264	10.27	59,033
1992	2,153,683.31	1,396,394	1,437,964	823,403	10.71	76,882
1993	2,096,343.34	1,324,636	1,364,070	837,091	11.15	75,075
1994	2,562,293.29	1,575,799	1,622,710	1,067,698	11.60	92,043
1995	3,201,469.48	1,913,693	1,970,663	1,390,880	12.06	115,330
1996	4,873,558.88	2,825,431	2,909,543	2,207,694	12.54	176,052
1997	5,142,657.71	2,886,944	2,972,887	2,426,904	13.03	186,255
1998	5,074,503.55	2,755,440	2,837,468	2,490,761	13.52	184,228
1999	4,990,845.94	2,612,700	2,690,479	2,549,909	14.04	181,617
2000	4,756,375.44	2,397,213	2,468,577	2,525,617	14.56	173,463
2001	563,321.45	272,504	280,616	310,872	15.10	20,588
2002	11,189,151.09	5,177,729	5,331,868	6,416,741	15.66	409,754
2003	1,514,393.47	668,420	688,319	901,794	16.23	55,563
2004	1,986,806.96	832,978	857,775	1,228,372	16.82	73,030

AMEREN MISSOURI

ACCOUNT 370 METERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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 28-S0.5						
NET SALVAGE PERCENT.. -5						
2005	2,108,958.87	835,939	860,825	1,353,582	17.43	77,658
2006	3,326,051.15	1,239,786	1,276,694	2,215,660	18.06	122,683
2007	2,609,139.42	908,971	936,031	1,803,565	18.71	96,396
2008	1,834,627.82	593,049	610,704	1,315,655	19.38	67,887
2009	5,591,754.58	1,662,823	1,712,324	4,159,018	20.07	207,226
2010	3,682,669.72	995,702	1,025,344	2,841,459	20.79	136,674
2011	2,290,480.17	555,724	572,268	1,832,736	21.53	85,125
2012	2,320,484.71	496,877	511,669	1,924,840	22.29	86,354
2013	1,174,802.78	216,314	222,753	1,010,790	23.09	43,776
2014	2,486,658.34	381,387	392,741	2,218,250	23.91	92,775
2015	2,146,411.12	260,779	268,542	1,985,190	24.76	80,177
2016	2,635,201.41	233,227	240,170	2,526,791	25.64	98,549
2017	3,217,920.69	173,773	178,946	3,199,871	26.56	120,477
2018	3,499,244.13	64,299	66,213	3,607,993	27.51	131,152
	105,362,929.46	48,058,270	49,437,386	61,193,690		3,756,998
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						16.3 3.57

AMEREN MISSOURI

ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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 30-01						
NET SALVAGE PERCENT.. 0						
1937	14.45	14	14			
1946	864.00	864	864			
1950	731.71	732	732			
1953	976.23	976	976			
1954	695.65	696	696			
1956	323.73	324	324			
1957	4,962.41	4,962	4,962			
1958	273.73	274	274			
1959	2,280.93	2,262	2,281			
1960	747.97	729	748			
1961	699.70	671	700			
1962	4,083.08	3,845	4,083			
1963	17,052.81	15,774	17,053			
1964	2,514.11	2,284	2,514			
1965	5,164.16	4,605	5,164			
1966	2,537.33	2,220	2,537			
1967	5,132.46	4,405	5,132			
1968	12,356.47	10,400	12,356			
1969	7,867.05	6,490	7,867			
1970	6,286.29	5,081	6,286			
1971	5,580.58	4,418	5,581			
1973	2,153.34	1,633	2,153			
1976	3,315.01	2,348	3,315			
1977	48.35	33	48			
1984	63,813.22	36,693	63,813			
1985	719.41	402	719			
1997	13,419.00	4,808	18,090	4,671-		
	164,613.18	117,943	169,282	4,669-		

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00

AMEREN MISSOURI

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
NET SALVAGE PERCENT.. -35						
1923	145.03	196	196			
1925	33.44	45	45			
1926	569.07	768	768			
1927	301.65	407	407			
1928	38.92	53	53			
1929	237.69	321	321			
1930	56.71	77	77			
1933	13.90	19	19			
1935	14.02	19	19			
1936	134.59	182	182			
1937	374.55	506	506			
1938	669.37	904	904			
1939	276.70	374	374			
1941	14.03	19	19			
1944	369.99	492	499			
1945	269.96	356	364			
1946	4,432.04	5,782	5,983			
1947	462.96	598	625			
1948	862.43	1,102	1,164			
1949	3,656.29	4,626	4,936			
1950	34,583.05	43,284	46,687			
1951	74,747.01	92,570	100,908			
1952	63,782.61	78,130	86,107			
1953	122,282.21	148,182	165,081			
1954	85,022.67	101,883	114,781			
1955	40,301.01	47,749	54,406			
1956	11,756.59	13,766	15,871			
1957	17,797.42	20,600	24,027			
1958	29,771.14	34,046	40,191			
1959	30,621.93	34,595	41,340			
1960	11,440.01	12,766	15,444			
1961	27,518.09	30,326	37,149			
1962	115,042.74	125,186	155,308			
1963	114,185.80	122,632	154,151			
1964	92,674.54	98,244	125,111			
1965	214,246.25	224,080	287,531	1,701	8.56	199
1966	262,342.32	270,562	347,175	6,987	8.97	779
1967	376,019.18	382,456	490,753	16,873	9.37	1,801
1968	404,821.96	405,854	520,776	25,734	9.78	2,631
1969	443,263.99	437,938	561,945	36,461	10.19	3,578
1970	793,598.40	772,503	991,246	80,112	10.60	7,558
1971	942,874.72	903,745	1,159,651	113,230	11.02	10,275
1972	1,155,403.14	1,090,624	1,399,447	160,347	11.43	14,029

AMEREN MISSOURI

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
NET SALVAGE PERCENT.. -35						
1973	1,169,866.82	1,086,825	1,394,573	184,747	11.85	15,590
1974	1,227,524.56	1,121,631	1,439,234	217,924	12.28	17,746
1975	1,045,879.07	940,053	1,206,240	205,697	12.70	16,197
1976	979,785.97	865,675	1,110,801	211,910	13.13	16,139
1977	865,204.86	750,913	963,543	204,484	13.57	15,069
1978	1,197,802.71	1,021,286	1,310,475	306,559	14.00	21,897
1979	1,457,508.94	1,219,935	1,565,374	402,263	14.44	27,858
1980	1,529,942.42	1,256,107	1,611,789	453,633	14.89	30,466
1981	1,738,798.67	1,400,399	1,796,939	550,439	15.33	35,906
1982	1,850,226.91	1,460,567	1,874,144	623,662	15.78	39,522
1983	2,183,832.62	1,688,213	2,166,251	781,923	16.24	48,148
1984	2,158,372.45	1,633,274	2,095,755	818,048	16.70	48,985
1985	2,182,977.88	1,616,205	2,073,853	873,167	17.16	50,884
1986	2,022,658.22	1,463,732	1,878,205	852,384	17.63	48,348
1987	2,196,441.76	1,552,814	1,992,512	972,684	18.10	53,739
1988	2,155,459.73	1,487,089	1,908,176	1,001,695	18.58	53,913
1989	2,489,672.18	1,674,344	2,148,455	1,212,602	19.07	63,587
1990	2,513,529.61	1,646,616	2,112,875	1,280,390	19.56	65,460
1991	1,887,008.90	1,203,345	1,544,087	1,003,375	20.05	50,044
1992	2,387,706.94	1,480,220	1,899,362	1,324,042	20.55	64,430
1993	2,506,319.06	1,508,344	1,935,450	1,448,081	21.06	68,760
1994	2,159,701.35	1,260,617	1,617,576	1,298,021	21.57	60,177
1995	3,761,107.39	2,125,846	2,727,805	2,349,690	22.09	106,369
1996	3,549,249.98	1,939,307	2,488,445	2,303,042	22.62	101,814
1997	4,192,313.12	2,210,252	2,836,111	2,823,512	23.16	121,913
1998	3,929,889.03	1,996,509	2,561,844	2,743,506	23.70	115,760
1999	3,644,469.45	1,780,265	2,284,368	2,635,666	24.25	108,687
2000	3,251,509.38	1,522,467	1,953,572	2,435,966	24.82	98,145
2001	2,810,383.94	1,259,007	1,615,510	2,178,508	25.39	85,802
2002	3,308,155.05	1,413,849	1,814,197	2,651,812	25.97	102,111
2003	3,106,371.78	1,262,484	1,619,971	2,573,631	26.56	96,899
2004	2,838,236.15	1,093,008	1,402,506	2,429,113	27.16	89,437
2005	3,343,813.51	1,214,080	1,557,861	2,956,287	27.78	106,418
2006	4,389,394.09	1,495,464	1,918,923	4,006,759	28.41	141,033
2007	1,847,942.62	587,582	753,963	1,740,760	29.05	59,923
2008	5,899,425.65	1,737,475	2,229,462	5,734,763	29.71	193,025
2009	4,539,129.88	1,228,813	1,576,766	4,551,059	30.38	149,804
2010	3,051,452.71	750,195	962,622	3,156,839	31.08	101,571
2011	3,454,016.90	762,015	977,789	3,685,134	31.79	115,921
2012	2,830,329.44	551,018	707,045	3,113,900	32.52	95,753
2013	3,188,899.85	534,726	686,140	3,618,875	33.28	108,740
2014	3,122,920.17	437,109	560,882	3,655,060	34.06	107,312
2015	5,577,224.82	620,185	795,798	6,733,456	34.87	193,102

AMEREN MISSOURI

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
NET SALVAGE PERCENT.. -35						
2016	10,463,968.31	851,254	1,092,297	13,034,060	35.71	364,997
2017	15,662,854.96	784,686	1,006,879	20,137,975	36.59	550,368
2018	13,490,809.50	234,760	301,235	17,911,358	37.51	477,509
	160,637,119.43	63,239,127	81,030,207	135,829,904		4,746,128
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						28.6 2.95

AMEREN MISSOURI

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MISCELLANEOUS STRUCTURES - OLD						
SURVIVOR CURVE.. IOWA 45-S0						
NET SALVAGE PERCENT.. -10						
1910	2,984.95	3,283	3,283			
1913	2,635.48	2,899	2,899			
1917	88,106.42	96,917	96,917			
1921	521.89	574	574			
1924	1,168.99	1,286	1,286			
1929	16,786.40	18,375	17,692	773	0.22	773
1930	203,228.72	220,771	212,565	10,986	0.56	10,986
1931	4,105.01	4,423	4,259	257	0.92	257
1932	273.52	292	281	20	1.28	16
1933	305.34	324	312	24	1.65	15
1935	1,796.87	1,872	1,802	174	2.39	73
1936	1,459.40	1,507	1,451	154	2.76	56
1937	36,151.18	37,000	35,625	4,142	3.13	1,323
1938	2,594.09	2,631	2,533	320	3.51	91
1939	1,878.92	1,889	1,819	248	3.88	64
1940	14,513.23	14,453	13,916	2,049	4.26	481
1941	5,516.68	5,443	5,241	828	4.64	178
1942	5,931.42	5,797	5,582	943	5.02	188
1943	9,244.51	8,949	8,616	1,553	5.40	288
1944	4,110.32	3,941	3,795	727	5.78	126
1945	2,034.72	1,932	1,860	378	6.16	61
1946	253.25	238	229	49	6.55	7
1947	59,677.76	55,536	53,472	12,174	6.93	1,757
1948	27,329.96	25,173	24,237	5,826	7.32	796
1949	7,099.06	6,471	6,230	1,578	7.71	205
1950	24,061.06	21,703	20,896	5,571	8.10	688
1951	2,911.20	2,597	2,500	702	8.50	83
1952	1,519,335.72	1,341,093	1,291,248	380,022	8.89	42,747
1953	2,820.86	2,462	2,370	732	9.29	79
1954	165,236.54	142,662	137,360	44,401	9.68	4,587
1955	87,118.31	74,364	71,600	24,230	10.08	2,404
1956	987,125.69	832,719	801,769	284,069	10.49	27,080
1957	136,479.03	113,796	109,566	40,560	10.89	3,725
1958	463,083.16	381,478	367,299	142,092	11.30	12,575
1959	338,916.11	275,878	265,624	107,183	11.70	9,161
1960	90,636.68	72,870	70,162	29,539	12.11	2,439
	4,317,432.45	3,783,598	3,646,872	1,102,304		123,309

AMEREN MISSOURI

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
LARGE STRUCTURES						
SURVIVOR CURVE.. IOWA 50-R1.5						
NET SALVAGE PERCENT.. -10						
1961	16,607.28	13,577	13,080	5,188	12.84	404
1962	1,186,342.74	959,419	924,333	380,644	13.24	28,750
1963	113,124.73	90,466	87,158	37,280	13.65	2,731
1964	1,130,893.37	893,926	861,235	382,748	14.07	27,203
1965	296,967.38	231,997	223,513	103,151	14.49	7,119
1966	3,585,178.38	2,766,109	2,664,951	1,278,745	14.93	85,649
1967	460,687.91	350,878	338,046	168,711	15.38	10,970
1968	56,276.14	42,293	40,746	21,157	15.84	1,336
1969	1,171,976.07	868,645	836,878	452,296	16.31	27,731
1970	330,020.06	241,119	232,301	130,721	16.79	7,786
1971	786,685.23	566,287	545,578	319,776	17.28	18,506
1972	161,728.30	114,639	110,447	67,455	17.78	3,794
1973	356,208.11	248,498	239,410	152,419	18.29	8,333
1974	115,105.42	78,983	76,095	50,521	18.81	2,686
1975	559,441.85	377,232	363,436	251,950	19.35	13,021
1976	427,400.58	283,119	272,765	197,375	19.89	9,923
1977	1,171,161.53	761,630	733,777	554,501	20.44	27,128
1978	842,326.14	537,404	517,751	408,808	21.00	19,467
1979	1,649,209.67	1,031,152	993,442	820,688	21.58	38,030
1980	163,714.23	100,272	96,605	83,481	22.16	3,767
1981	1,678,932.76	1,006,520	969,711	877,115	22.75	38,555
1982	505,654.92	296,465	285,623	270,597	23.35	11,589
1983	1,639,429.91	939,197	904,850	898,523	23.96	37,501
1984	1,032,497.84	577,414	556,298	579,450	24.58	23,574
1985	2,560,150.71	1,396,255	1,345,193	1,470,973	25.21	58,349
1986	540,057.80	287,052	276,554	317,509	25.84	12,288
1987	4,935,860.74	2,552,926	2,459,564	2,969,883	26.49	112,113
1988	915,905.80	460,627	443,782	563,715	27.14	20,771
1989	30,249,609.47	14,773,909	14,233,619	19,040,951	27.80	684,926
1990	13,495,609.31	6,392,330	6,158,559	8,686,611	28.47	305,115
1991	4,541,892.05	2,084,365	2,008,139	2,987,943	29.14	102,538
1992	23,732,708.60	10,531,152	10,146,022	15,959,958	29.83	535,030
1993	6,771,373.21	2,901,940	2,795,814	4,652,696	30.52	152,447
1994	3,528,692.12	1,457,914	1,404,597	2,476,964	31.22	79,339
1995	3,377,680.08	1,343,506	1,294,373	2,421,075	31.92	75,848
1996	3,332,998.21	1,273,672	1,227,093	2,439,205	32.63	74,753
1997	1,547,746.67	566,940	546,207	1,156,315	33.35	34,672
1998	442,934.06	155,231	149,554	337,673	34.07	9,911
1999	272,920.92	91,265	87,927	212,286	34.80	6,100
2000	360,827.13	114,866	110,665	286,245	35.53	8,056
2001	1,974,707.80	596,480	574,666	1,597,512	36.27	44,045
2002	2,000,675.97	571,313	550,420	1,650,324	37.02	44,579

AMEREN MISSOURI

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
LARGE STRUCTURES						
SURVIVOR CURVE.. IOWA 50-R1.5						
NET SALVAGE PERCENT.. -10						
2003	1,690,367.89	454,810	438,177	1,421,227	37.77	37,628
2004	2,031,820.28	513,157	494,391	1,740,612	38.52	45,187
2005	13,608,465.94	3,209,421	3,092,051	11,877,262	39.28	302,374
2006	5,335,205.70	1,167,877	1,125,167	4,743,559	40.05	118,441
2007	6,390,973.12	1,290,721	1,243,519	5,786,552	40.82	141,758
2008	11,218,780.92	2,075,699	1,999,790	10,340,869	41.59	248,638
2009	11,961,239.82	2,007,814	1,934,387	11,222,977	42.37	264,880
2010	8,468,468.79	1,276,198	1,229,527	8,085,789	43.15	187,388
2011	9,080,923.33	1,210,669	1,166,394	8,822,622	43.94	200,788
2012	3,425,359.55	397,136	382,613	3,385,283	44.73	75,683
2013	2,829,108.84	278,215	268,041	2,843,979	45.53	62,464
2014	15,419,082.43	1,244,937	1,199,409	15,761,582	46.33	340,203
2015	5,449,068.71	342,855	330,317	5,663,659	47.14	120,146
2016	17,250,949.89	778,018	749,565	18,226,479	47.95	380,114
2017	16,506,437.56	446,664	430,329	17,726,752	48.77	363,477
2018	16,065,289.69	144,909	139,610	17,532,209	49.59	353,543
	270,751,463.66	77,768,084	74,924,062	222,902,548		6,059,145
	275,068,896.11	81,551,682	78,570,934	224,004,852		6,182,454
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..					36.2	2.25

AMEREN MISSOURI

ACCOUNT 390.05 STRUCTURES AND IMPROVEMENTS - TRAINING ASSETS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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	934,005.31	934,005	934,005			
	934,005.31	934,005	934,005			
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						0.0 0.00

AMEREN MISSOURI

ACCOUNT 391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
1999	157,026.34	153,101	157,026			
2000	163,776.25	151,493	159,047	4,729	1.50	3,153
2001	600,516.13	525,452	551,652	48,864	2.50	19,546
2002	849,398.07	700,753	735,693	113,705	3.50	32,487
2003	732,028.44	567,322	595,609	136,419	4.50	30,315
2004	1,004,497.40	728,261	764,573	239,924	5.50	43,623
2005	2,197,744.36	1,483,477	1,557,445	640,299	6.50	98,508
2006	2,858,735.12	1,786,709	1,875,797	982,938	7.50	131,058
2007	1,490,951.81	857,297	900,043	590,909	8.50	69,519
2008	2,973,602.05	1,561,141	1,638,981	1,334,621	9.50	140,486
2009	2,468,625.30	1,172,597	1,231,064	1,237,561	10.50	117,863
2010	2,112,671.65	897,885	942,655	1,170,017	11.50	101,741
2011	1,302,407.22	488,403	512,755	789,652	12.50	63,172
2012	1,714,075.42	557,075	584,852	1,129,223	13.50	83,646
2013	1,551,937.58	426,783	448,063	1,103,875	14.50	76,129
2014	1,958,309.26	440,620	462,590	1,495,719	15.50	96,498
2015	629,563.13	110,174	115,667	513,896	16.50	31,145
2016	6,086,796.66	760,850	798,787	5,288,010	17.50	302,172
2017	2,878,059.85	215,854	226,617	2,651,443	18.50	143,321
2018	4,240,068.72	106,002	111,288	4,128,781	19.50	211,732
	37,970,790.76	13,691,249	14,370,204	23,600,587		1,796,114
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						13.1 4.73

AMEREN MISSOURI

ACCOUNT 391.2 OFFICE FURNITURE AND EQUIPMENT - PERSONAL COMPUTERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
2014	6,883,699.26	6,195,329	5,870,569	1,013,130	0.50	1,013,130
2015	9,625,267.21	6,737,687	6,384,496	3,240,771	1.50	2,160,514
2016	11,686,710.17	5,843,355	5,537,045	6,149,665	2.50	2,459,866
2017	8,942,613.89	2,682,784	2,542,152	6,400,462	3.50	1,828,703
2018	10,130,247.52	1,013,025	959,922	9,170,326	4.50	2,037,850
	47,268,538.05	22,472,180	21,294,184	25,974,354		9,500,063
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						2.7 20.10

AMEREN MISSOURI

ACCOUNT 391.3 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 15-SQUARE						
NET SALVAGE PERCENT.. 0						
2004	158,983.63	153,685	158,496	488	0.50	488
2005	127,114.05	114,403	117,984	9,130	1.50	6,087
2006	230,000.64	191,666	197,666	32,335	2.50	12,934
2007	152,067.16	116,585	120,234	31,833	3.50	9,095
2008	273,376.79	191,364	197,354	76,023	4.50	16,894
2009	518,106.03	328,132	338,403	179,703	5.50	32,673
2010	489,831.98	277,573	286,262	203,570	6.50	31,318
2011	375,780.55	187,890	193,771	182,010	7.50	24,268
2012	118,994.68	51,564	53,178	65,817	8.50	7,743
2013	170,611.85	62,558	64,516	106,096	9.50	11,168
2014	106,097.96	31,829	32,825	73,273	10.50	6,978
2015	226,652.88	52,885	54,541	172,112	11.50	14,966
2016	140,009.54	23,335	24,065	115,945	12.50	9,276
2017	356,423.76	35,642	36,758	319,666	13.50	23,679
2018	71,683.59	2,389	2,464	69,220	14.50	4,774
	3,515,735.09	1,821,500	1,878,517	1,637,218		212,341
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						7.7 6.04

AMEREN MISSOURI

ACCOUNT 392 TRANSPORTATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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 11-R2						
NET SALVAGE PERCENT.. +15						
1929	1,683.24	1,431	1,431			
1979	18,839.31	16,013	16,013			
1980	69,996.69	59,497	59,497			
1986	43,796.59	37,227	37,227			
1987	38,190.28	32,462	32,462			
1988	71,632.92	60,888	60,888			
1989	15,059.52	12,801	12,801			
1990	28,962.98	24,619	24,619			
1991	158,932.57	135,093	135,093			
1992	246,311.37	209,365	209,365			
1993	12,192.30	10,363	10,363			
1994	29,373.28	24,967	24,967			
1995	382,716.48	325,309	325,309			
1996	66,134.64	56,214	56,214			
1997	4,111.76	3,495	3,495			
1998	85,623.85	72,780	72,780			
2000	78,601.83	63,714	66,812			
2001	183,120.60	144,474	154,623	1,030	0.79	1,030
2002	904,088.42	693,026	741,711	26,764	1.08	24,781
2003	209,437.77	155,689	166,626	11,396	1.38	8,258
2004	485,277.80	349,487	374,039	38,447	1.68	22,885
2005	1,332,229.73	924,442	989,384	143,011	2.02	70,798
2006	1,971,777.86	1,311,864	1,404,023	271,988	2.39	113,803
2007	8,240,117.93	5,214,903	5,581,252	1,422,848	2.81	506,352
2008	3,460,632.87	2,061,753	2,206,592	734,946	3.29	223,388
2009	7,912,914.18	4,390,247	4,698,664	2,027,313	3.82	530,710
2010	13,866,278.94	7,071,802	7,568,599	4,217,738	4.40	958,577
2011	17,311,937.24	7,986,352	8,547,397	6,167,750	5.03	1,226,193
2012	13,867,349.32	5,668,605	6,066,827	5,720,420	5.71	1,001,825
2013	11,386,275.17	4,020,864	4,303,332	5,375,002	6.43	835,926
2014	10,551,045.36	3,106,291	3,324,509	5,643,880	7.19	784,962
2015	11,644,852.28	2,717,530	2,908,438	6,989,686	7.98	875,901
2016	12,252,684.55	2,073,479	2,219,142	8,195,640	8.81	930,266
2017	11,714,080.33	1,203,897	1,288,471	8,668,497	9.67	896,432
2018	9,557,294.49	332,341	355,688	7,768,012	10.55	736,304
	138,203,554.45	50,573,284	54,048,653	63,424,368		9,748,391

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 6.5 7.05

AMEREN MISSOURI

ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - TRAINING ASSETS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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	159,840.86	159,841	159,841			
	159,840.86	159,841	159,841			
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						0.0 0.00

AMEREN MISSOURI

ACCOUNT 393 STORES EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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	5,184.86	5,185	5,185			
1998	28,337.75	28,338	28,338			
1999	81,591.83	79,552	78,547	3,045	0.50	3,045
2000	29,173.83	26,986	26,645	2,529	1.50	1,686
2001	74,490.16	65,179	64,356	10,134	2.50	4,054
2002	140,520.39	115,929	114,465	26,055	3.50	7,444
2003	30,832.34	23,895	23,593	7,239	4.50	1,609
2004	83,178.64	60,305	59,544	23,635	5.50	4,297
2005	64,623.37	43,621	43,070	21,553	6.50	3,316
2006	160,286.84	100,179	98,914	61,373	7.50	8,183
2007	106,039.68	60,973	60,203	45,837	8.50	5,393
2008	552,665.22	290,149	286,485	266,180	9.50	28,019
2009	358,304.03	170,194	168,045	190,259	10.50	18,120
2010	324,621.22	137,964	136,222	188,399	11.50	16,383
2011	395,456.43	148,296	146,424	249,032	12.50	19,923
2012	295,530.05	96,047	94,834	200,696	13.50	14,866
2013	226,703.66	62,344	61,557	165,147	14.50	11,389
2014	215,774.65	48,549	47,936	167,839	15.50	10,828
2015	214,146.76	37,476	37,003	177,144	16.50	10,736
2016	165,596.29	20,700	20,438	145,158	17.50	8,295
2017	243,011.53	18,226	17,996	225,016	18.50	12,163
2018	326,647.86	8,166	8,063	318,585	19.50	16,338
	4,122,717.39	1,648,253	1,627,863	2,494,854		206,087
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						12.1 5.00

AMEREN MISSOURI

ACCOUNT 394 TOOLS, SHOP AND GARAGE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
1999	312,153.49	304,350	294,279	17,874	0.50	17,874
2000	420,910.26	389,342	376,459	44,451	1.50	29,634
2001	299,227.59	261,824	253,160	46,068	2.50	18,427
2002	511,514.75	422,000	408,036	103,479	3.50	29,565
2003	929,866.84	720,647	696,801	233,066	4.50	51,792
2004	500,756.92	363,049	351,036	149,721	5.50	27,222
2005	526,057.54	355,089	343,339	182,719	6.50	28,111
2006	543,073.99	339,421	328,190	214,884	7.50	28,651
2007	291,393.66	167,551	162,007	129,387	8.50	15,222
2008	1,263,021.15	663,086	641,145	621,876	9.50	65,461
2009	4,249,654.35	2,018,586	1,951,791	2,297,863	10.50	218,844
2010	1,795,563.51	763,114	737,863	1,057,701	11.50	91,974
2011	2,800,416.02	1,050,156	1,015,406	1,785,010	12.50	142,801
2012	1,987,512.92	645,942	624,568	1,362,945	13.50	100,959
2013	1,575,022.82	433,131	418,799	1,156,224	14.50	79,740
2014	1,409,649.85	317,171	306,676	1,102,974	15.50	71,160
2015	1,354,480.97	237,034	229,191	1,125,290	16.50	68,199
2016	1,499,406.86	187,426	181,224	1,318,183	17.50	75,325
2017	1,760,842.07	132,063	127,693	1,633,149	18.50	88,278
2018	2,309,565.65	57,739	55,828	2,253,738	19.50	115,576
	26,340,091.21	9,828,721	9,503,491	16,836,600		1,364,815
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						12.3 5.18

AMEREN MISSOURI

ACCOUNT 394.05 TOOLS, SHOP AND GARAGE EQUIPMENT - TRAINING ASSETS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
2009	177,744.27	177,744	177,744			
2010	399,552.88	399,553	399,553			
2011	421,521.72	421,522	421,522			
2012	635,059.72	635,060	635,060			
2013	356,897.68	356,898	356,898			
2014	129,623.91	116,662	47,065	82,559	0.50	82,559
2018	2,436.50	244	98	2,338	4.50	520
	2,122,836.68	2,107,683	2,037,940	84,897		83,079
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 1.0						3.91

AMEREN MISSOURI

ACCOUNT 395 LABORATORY EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
2000	93,887.97	86,846	86,383	7,505	1.50	5,003
2001	156,961.73	137,342	136,610	20,352	2.50	8,141
2002	117,271.76	96,749	96,233	21,039	3.50	6,011
2003	394,348.85	305,620	303,991	90,358	4.50	20,080
2004	191,296.31	138,690	137,951	53,345	5.50	9,699
2005	525,273.83	354,560	352,670	172,604	6.50	26,554
2006	441,986.25	276,241	274,768	167,218	7.50	22,296
2007	348,250.24	200,244	199,176	149,074	8.50	17,538
2008	526,740.61	276,539	275,065	251,676	9.50	26,492
2009	710,383.68	337,432	335,633	374,751	10.50	35,691
2010	222,124.77	94,403	93,900	128,225	11.50	11,150
2011	688,570.01	258,214	256,837	431,733	12.50	34,539
2012	424,860.37	138,080	137,344	287,516	13.50	21,297
2013	364,756.74	100,308	99,773	264,984	14.50	18,275
2014	163,957.23	36,890	36,693	127,264	15.50	8,211
2015	280,215.64	49,038	48,776	231,440	16.50	14,027
2016	756,194.53	94,524	94,020	662,175	17.50	37,839
2017	218,895.20	16,417	16,330	202,565	18.50	10,949
2018	224,029.77	5,601	5,571	218,459	19.50	11,203
	6,850,005.49	3,003,738	2,987,724	3,862,281		344,995

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 11.2 5.04

AMEREN MISSOURI

ACCOUNT 396 POWER OPERATED EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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-L2						
NET SALVAGE PERCENT.. +15						
1966	7,210.00	6,128	6,128			
1973	15,378.83	13,072	13,072			
1978	5,021.58	4,149	3,574	694	0.42	694
1979	2,793.06	2,281	1,965	409	0.59	409
1982	19,822.51	15,602	13,441	3,408	1.11	3,070
1983	26,399.88	20,525	17,682	4,758	1.28	3,717
1984	32,015.15	24,546	21,147	6,066	1.47	4,127
1987	4,958.79	3,645	3,140	1,075	2.03	530
1988	23,083.94	16,704	14,391	5,230	2.23	2,345
1989	11,816.39	8,417	7,251	2,793	2.43	1,149
1992	39,032.92	26,410	22,752	10,426	3.06	3,407
1993	145,211.54	96,439	83,083	40,347	3.28	12,301
1994	168,559.18	109,749	94,550	48,725	3.51	13,882
1996	25,022.54	15,612	13,450	7,819	3.99	1,960
1998	24,582.84	14,655	12,625	8,270	4.48	1,846
2001	214,943.93	119,000	102,519	80,183	5.23	15,331
2002	110,588.76	59,659	51,397	42,603	5.48	7,774
2003	391,455.25	205,854	177,345	155,392	5.72	27,166
2004	602,142.32	308,459	265,740	246,081	5.96	41,289
2005	336,106.45	167,606	144,394	141,296	6.20	22,790
2006	102,395.36	49,495	42,640	44,396	6.47	6,862
2007	809,954.92	378,193	325,816	362,646	6.76	53,646
2008	149,757.70	67,042	57,757	69,537	7.10	9,794
2009	289,169.96	122,897	105,877	139,917	7.50	18,656
2010	827,609.70	329,694	284,033	419,435	7.97	52,627
2011	1,772,993.03	649,039	559,151	947,893	8.54	110,994
2012	2,118,074.28	694,940	598,696	1,201,667	9.21	130,474
2013	1,083,474.51	309,440	266,585	654,368	9.96	65,700
2014	716,969.45	171,047	147,358	462,066	10.79	42,824
2015	872,106.97	165,553	142,625	598,666	11.65	51,388
2016	872,997.59	120,709	103,991	638,057	12.56	50,801
2017	1,574,771.19	132,075	113,784	1,224,772	13.52	90,590
2018	1,359,647.63	38,519	33,184	1,122,516	14.50	77,415
	14,756,068.15	4,467,155	3,851,143	8,691,515		925,558

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 9.4 6.27

AMEREN MISSOURI

ACCOUNT 397 COMMUNICATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 15-SQUARE						
NET SALVAGE PERCENT.. 0						
2004	3,779,658.99	3,653,683	3,649,019	130,640	0.50	130,640
2005	4,458,020.70	4,012,219	4,007,097	450,924	1.50	300,616
2006	1,436,672.09	1,197,222	1,195,694	240,978	2.50	96,391
2007	588,424.14	451,127	450,551	137,873	3.50	39,392
2008	3,797,979.51	2,658,586	2,655,192	1,142,788	4.50	253,953
2009	9,668,949.03	6,123,635	6,115,818	3,553,131	5.50	646,024
2010	3,551,269.28	2,012,398	2,009,829	1,541,440	6.50	237,145
2011	11,802,942.93	5,901,471	5,893,937	5,909,006	7.50	787,867
2012	8,341,515.99	3,614,629	3,610,015	4,731,501	8.50	556,647
2013	636,809.59	233,499	233,201	403,609	9.50	42,485
2014	8,725,399.81	2,617,620	2,614,278	6,111,122	10.50	582,012
2015	3,748,847.10	874,718	873,601	2,875,246	11.50	250,021
2016	7,710,331.20	1,285,081	1,283,441	6,426,890	12.50	514,151
2017	4,237,900.56	423,790	423,249	3,814,652	13.50	282,567
2018	15,589,513.26	519,598	518,935	15,070,578	14.50	1,039,350
	88,074,234.18	35,579,276	35,533,857	52,540,377		5,759,261
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						9.1 6.54

AMEREN MISSOURI

ACCOUNT 397.05 COMMUNICATION EQUIPMENT - TRAINING ASSETS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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	1,311.28	1,311	1,311			
2012	11,014.86	11,015	11,015			
	12,326.14	12,326	12,326			
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						0.0 0.00

AMEREN MISSOURI

ACCOUNT 398 MISCELLANEOUS EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2018

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						
1999	13,221.05	12,891	12,895	326	0.50	326
2000	3,582.42	3,314	3,315	267	1.50	178
2001	21,529.91	18,839	18,844	2,686	2.50	1,074
2002	3,221.38	2,658	2,659	562	3.50	161
2003	10,040.19	7,781	7,783	2,257	4.50	502
2004	2,924.37	2,120	2,121	803	5.50	146
2005	28,063.60	18,943	18,948	9,116	6.50	1,402
2006	47,411.87	29,632	29,641	17,771	7.50	2,369
2007	74,630.94	42,913	42,925	31,706	8.50	3,730
2008	213,722.16	112,204	112,236	101,486	9.50	10,683
2009	32,259.39	15,323	15,327	16,932	10.50	1,613
2010	110,509.03	46,966	46,980	63,529	11.50	5,524
2011	211,168.49	79,188	79,211	131,957	12.50	10,557
2012	59,452.54	19,322	19,328	40,125	13.50	2,972
2013	111,077.51	30,546	30,555	80,523	14.50	5,553
2014	101,278.07	22,788	22,794	78,484	15.50	5,063
2015	89,110.56	15,594	15,599	73,512	16.50	4,455
2016	138,091.06	17,261	17,266	120,825	17.50	6,904
2017	153,792.05	11,534	11,537	142,255	18.50	7,689
2018	139,804.39	3,495	3,496	136,308	19.50	6,990
	1,564,890.98	513,312	513,460	1,051,431		77,891
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						13.5 4.98

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of Union Electric Company d/b/a _____)
Ameren Missouri's Tariffs to **Decrease** Its Revenues) File No. ER-2019-0335
for Electric Service.)

AFFIDAVIT OF JOHN S. SPANOS

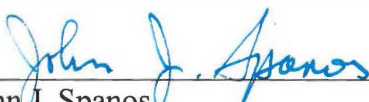
COMMONWEALTH OF PENNSYLVANIA)
) ss
COUNTY OF CUMBERLAND)

John J. Spanos, being first duly sworn on his oath, states:

1. My name is John S. Spanos. I work in the County of Cumberland, and I am employed by Gannett Fleming Valuation and Rate Consultants, LLC as President.

2. Attached hereto and made a part hereof for all purposes is my Direct Testimony on behalf of Union Electric Company d/b/a Ameren Missouri consisting of 16 pages and Schedule(s) JJS-D1 and JJS-D2, all of which have been prepared in written form for introduction into evidence in the above-referenced docket.

3. I hereby swear and affirm that my answers contained in the attached testimony to the questions therein propounded are true and correct.



John J. Spanos

Subscribed and sworn to before me this 27th day of June, 2019.



Notary Public

My commission expires:
February 20, 2023

