

DIRECT TESTIMONY OF

NED W. ALLIS

VICE PRESIDENT

**GANNETT FLEMING VALUATION
AND RATE CONSULTANTS, LLC**

ON BEHALF OF

ATMOS ENERGY CORPORATION

TENNESSEE PUBLIC UTILITY

COMMISSION CASE NO. 23-00050

SUMMARY OF DIRECT TESTIMONY OF NED W. ALLIS

My direct testimony supports and explains the Depreciation Studies performed by my firm for Atmos Energy's Tennessee Direct Property and Kentucky Mid-States General Office. The Depreciation Studies set forth the calculated annual depreciation accrual rates by account as of September 30, 2022. Additionally, my testimony provides a depreciation study performed for Atmos's Shared Services Unit performed by Alliance Consulting Group.

TABLE OF CONTENTS

I. INTRODUCTION.....	1
II. PURPOSE OF TESTIMONY	3
III. DEPRECIATION STUDIES	5

Exhibits

Exhibit NWA-1 – Depreciation Study of Tennessee Direct Property

Exhibit NWA-2 – Depreciation Study of Kentucky Mid-States General Office

Exhibit NWA-3 – Depreciation Study of Shared Services Unit

Exhibit NWA-4 – Comparison of Proposed Annual Depreciation Expense vs. Current Annual Depreciation Expense – Tennessee Direct Property

Exhibit NWA-5 – Comparison of Proposed Annual Depreciation Expense vs. Current Annual Depreciation Expense – Kentucky Mid-States General Office

Exhibit NWA-6 – Comparison of Proposed Annual Depreciation Expense vs. Current Annual Depreciation Expense – Shared Services Unit

**DIRECT TESTIMONY
OF
NED W. ALLIS
ON BEHALF OF
ATMOS ENERGY CORPORATION
BEFORE THE
TENNESSEE PUBLIC UTILITY COMMISSION
CASE NO. 23-XXXX**

I. INTRODUCTION

Q. PLEASE STATE YOUR NAME AND ADDRESS.

A. My name is Ned W. Allis. My business address is 207 Senate Avenue, Camp Hill, Pennsylvania, 17011.

Q. ARE YOU ASSOCIATED WITH ANY FIRM?

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

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

A. I have been associated with the firm since 2006.

Q. WHAT IS YOUR POSITION WITH THE FIRM?

A. I am Vice President.

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

A. I am testifying on behalf of Atmos Energy Corporation (“Atmos Energy” or the “Company”).

Q. PLEASE STATE YOUR QUALIFICATIONS.

A. I graduated in 2002 with a Bachelor of Science degree in Mathematics from Lafayette College. I joined Gannett Fleming in October 2006 as an analyst. My responsibilities

1 included assembling data required for depreciation studies, conducting statistical analyses
2 of service life and net salvage data, calculating annual and accrued depreciation, and
3 assisting in preparing reports and testimony setting forth and defending the results of the
4 studies. I also developed and maintained Gannett Fleming's proprietary depreciation
5 software. In March 2013, I was promoted to the position of Supervisor of Depreciation
6 Studies. In March 2017 I was promoted to Project Manager, Depreciation and Technical
7 Development. In January 2019, I was promoted to my current position of Vice President.
8 Since joining Gannett Fleming, I have worked on hundreds of depreciation studies and
9 testified on depreciation-related matters in more than 70 utility rate cases across the
10 country. Specifically, I have submitted testimony on depreciation related topics to the
11 Connecticut Public Utilities Regulatory Authority, the New York Department of Public
12 Service, the New Jersey Board of Public Utilities, the Nevada Public Utilities Commission,
13 the Florida Public Service Commission, the District of Columbia Public Service
14 Commission, the California Public Utilities Commission, the Rhode Island Public Utilities
15 Commission, the Massachusetts Department of Public Utilities, the New Hampshire Public
16 Utilities Commission, the Kansas Corporation Commission, the Washington Utilities and
17 Transportation Commission, the Illinois Commerce Commission, the Maine Public
18 Utilities Commission, the Missouri Public Service Commission, and the Maryland Public
19 Service Commission. I have also testified before the Federal Energy Regulatory
20 Commission ("FERC").

21 I am a member and past President of the Society of Depreciation Professionals
22 ("Society") and an associate member of the American Gas Association/Edison Electric
23 Institute Industry Accounting Committee. I also serve on the faculty for training offered

1 by the Society and am an instructor for the Society’s “Introduction to Depreciation,” “Life
2 and Net Salvage Analysis,” “Analyzing the Life of Real-World Property,” “Analyzing Net
3 Salvage in the Real World” and “Depreciation and Ratemaking Issues” courses. I passed
4 an examination to become certified by the Society according to established national
5 standards for depreciation professionals in September 2011 and was recertified in March
6 2017.

7 **II. PURPOSE OF TESTIMONY**

8 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

9 A. My testimony supports and explains the Depreciation Study performed by my firm for
10 Atmos’s Tennessee Direct Property attached as Exhibit NWA-1 (“Tennessee Depreciation
11 Study”) and Kentucky Mid-States General Office attached as Exhibit NWA-2 (“KMS
12 Depreciation Study”, collectively, the “Depreciation Studies”). The Depreciation Studies
13 set forth the calculated annual depreciation accrual rates by account as of September 30,
14 2022.

15 Additionally, I have attached as Exhibit NWA-3 the Shared Services Unit depreciation
16 study conducted by Alliance Consulting Group (“SSU Depreciation Study”). The Shared
17 Services Unit is a division of Atmos Corporation that provides services (such as general
18 office services) to each of the Atmos regulated gas utilities. I have reviewed the SSU
19 Depreciation Study and agree with its analysis.

20 **Q. PLEASE SUMMARIZE THE RESULTS OF YOUR DEPRECIATION STUDIES.**

21 A. The depreciation rates set forth in the Depreciation Studies, as of September 30, 2022,
22 appropriately reflect the rates at which the full cost of the Company’s assets should be
23 recovered through depreciation expense. Such rates are based on commonly used methods

1 and procedures for determining depreciation rates. The depreciation rates are based on the
2 average service life procedure, remaining life technique, and straight line method. The
3 recommended service life estimates are based on informed judgment that incorporates
4 actuarial life analysis based on the retirement rate method and the net salvage estimates are
5 based on widely used methods.

6 **Q. ARE THE RECOMMENDED DEPRECIATION ACCRUAL RATES PRESENTED**
7 **IN THE DEPRECIATION STUDIES REASONABLE AND APPLICABLE TO THE**
8 **PLANT IN SERVICE AS OF SEPTEMBER 30, 2022?**

9 A. Yes, they are. Based on the Depreciation Studies, I am recommending depreciation rates
10 using the September 30, 2022 plant and reserve balances for approval.

11 **Q. WHAT IS THE EFFECT OF THE RECOMMENDED DEPRECIATION**
12 **ACCRUAL RATES ON THE COMPANY'S COST OF SERVICE?**

13 A. The Depreciation Studies result in an increase of approximately \$823,000 in depreciation
14 expense for the Tennessee Direct Property and \$8,400 for the Kentucky Mid-States General
15 Office property as reflected in Exhibits NWA-4 and NWA-5, respectively. The increase
16 for Kentucky Mid-States General Office property is prior to allocation to each jurisdiction
17 and so the impact for Tennessee customers is lower. The results of the SSU study result in
18 a net decrease of approximately \$77,000 in depreciation for those assets as reflected in
19 Exhibit NWA-6.

20 The increase for the Tennessee Direct Property study is primarily the result of changes
21 in service life and net salvage estimates that result from the Depreciation Studies. I
22 recommend that the proposed depreciation rates in Exhibits NWA-1, NWA-2 and NWA-3
23 for the respective depreciable groups (e.g., accounts) be approved.

1 **III. DEPRECIATION STUDIES**

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

3 A. The Federal Energy Regulatory Commission's Uniform System of Accounts Prescribed
4 for Public Utilities and Licensees Subject to the Provisions of the Federal Power Act
5 defines depreciation as follows.

6 Depreciation, as applied to depreciable gas plant, means the loss in service
7 value not restored by current maintenance, incurred in connection with the
8 consumption or prospective retirement of gas plant in the course of service
9 from causes which are known to be in current operation and against which
10 the utility is not protected by insurance. Among the causes to be given
11 consideration are wear and tear, decay, action of the elements, inadequacy,
12 obsolescence, changes in the art, changes in demand and requirements of
13 public authorities, and, in the case of natural gas companies, the exhaustion
14 of natural resources.¹

15 **Q. IN PREPARING THE DEPRECIATION STUDIES, DID YOU FOLLOW**
16 **GENERALLY ACCEPTED PRACTICES IN THE FIELD OF DEPRECIATION?**

17 A. Yes.

18 **Q. WHAT IS THE PURPOSE OF THE DEPRECIATION STUDIES?**

19 A. The purpose of my Depreciation Studies was to estimate the annual depreciation accruals
20 for Atmos Energy's plant in service for financial and ratemaking purposes, and to
21 determine appropriate average service lives and net salvage percentages for each plant
22 account.

23 **Q. ARE THE METHODS AND PROCEDURES USED FOR THESE DEPRECIATION**
24 **STUDIES CONSISTENT WITH ATMOS ENERGY'S PAST PRACTICES?**

25 A. The Depreciation Studies use the same method, procedure and technique for calculating
26 depreciation as used in the past by the Company as well as other companies appearing

¹ 18 C.F.R. § 201, Definition 12B.

1 before the Tennessee Public Utility Commission. Both the existing rates and the rates
2 determined in the Depreciation Studies are based on the straight line method, average
3 service life procedure and the remaining life technique.

4 **Q. PLEASE DESCRIBE THE CONTENTS OF THE DEPRECIATION STUDIES.**

5 A. The Depreciation Studies are presented in nine parts. Part I, Introduction, presents the
6 scope and basis for each depreciation study. Part II, Estimation of Survivor Curves,
7 includes descriptions of the methodology of estimating survivor curves. Parts III and IV
8 set forth the analysis for determining service life and net salvage estimates. Part V,
9 Calculation of Annual and Accrued Depreciation, includes the concepts of depreciation
10 and amortization using the remaining life. Part VI, Results of Study, presents a description
11 of the results of my analysis and a summary of the depreciation calculations. Part VI also
12 includes Table 1 (see pages VI-4 and VI-5 of Exhibit NWA-1 and page VI-4 of Exhibit
13 NWA-2), which presents the estimated survivor curve, the net salvage percent, the original
14 cost as of September 30, 2022, the book depreciation reserve, and the calculated annual
15 depreciation accrual and rate for each account or subaccount. Parts VII, VIII and IX
16 include graphs and tables that relate to the service life and net salvage analyses, and the
17 detailed depreciation calculations by account. The section beginning on page VIII-2
18 presents the results of the net salvage analysis. The section beginning on page IX-2
19 presents the depreciation calculations related to surviving original cost as of
20 September 30, 2022.

21 The SSU Depreciation Study incorporates similar descriptions of methodology and
22 analyses as well as tabulations of the results of service life analyses, net salvage analyses
23 and depreciation calculations.

1 **Q. PLEASE EXPLAIN HOW YOU PERFORMED YOUR DEPRECIATION**
2 **STUDIES.**

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

7 For the amortization of General Plant Accounts, 390.09, 391.00, 393.00, 394.00,
8 397.00, 398.00, 399.01 and 399.06 for the Company, I used the straight line remaining life
9 method of amortization. The annual amortization is based on amortization accounting that
10 distributes the unrecovered cost of fixed capital assets over the remaining amortization
11 period selected for each account and vintage. Amortization accounting is currently used
12 only for account 390.09, and the recommended amortization period is the same as the
13 current estimate. For the other accounts for which amortization is recommended, the
14 current service lives are, in most cases, similar to the proposed amortization periods. The
15 one exception is the amortization period recommended for account 393.00. The assets
16 currently in the account are fully accrued, and it is recommended for future additions that
17 a more industry standard amortization period be used that better aligns the lives of these
18 assets with their expected service. Amortization accounting is also currently used for
19 Distribution Accounts 376.03 and 376.04, and it is proposed to continue the use of this
20 method for these accounts.

21 **Q. HOW DID YOU DETERMINE THE RECOMMENDED ANNUAL**
22 **DEPRECIATION ACCRUAL RATES?**

23 A. I did this in two phases. In the first phase, I estimated the service life and net salvage

1 characteristics for each depreciable group, that is, each plant account or subaccount
2 identified as having similar characteristics. In the second phase, I calculated the composite
3 remaining lives and annual depreciation accrual rates based on the service life and net
4 salvage estimates determined in the first phase.

5 **Q. PLEASE DESCRIBE THE FIRST PHASE OF THE DEPRECIATION STUDIES,**
6 **IN WHICH YOU ESTIMATED THE SERVICE LIFE AND NET SALVAGE**
7 **CHARACTERISTICS FOR EACH DEPRECIABLE GROUP.**

8 A. The service life and net salvage study consisted of compiling historical data from records
9 related to Atmos Energy's gas plant; analyzing these data to obtain historical trends of
10 survivor characteristics; obtaining supplementary information from Atmos Energy's
11 management and operating personnel concerning practices and plans as they relate to plant
12 operations; and interpreting the data and the estimates used by other gas utilities to form
13 judgments of average service life and net salvage characteristics.

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

16 A. I analyzed the Company's accounting entries that record plant transactions during the
17 period 1991 through September 2022 to the extent available. The transactions I analyzed
18 included additions, retirements, transfers, sales, and the related balances.

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

20 A. I used the retirement rate method for most plant accounts. The retirement rate method can
21 be used when the vintage year of retirement transactions is known or can be estimated.
22 Data in which the vintage year is available are referred to as "aged data." The retirement
23 rate method is the most appropriate method when retirement aged data are available,

1 because this method determines the rates of retirement experienced by Atmos' during the
2 period of time covered by the Depreciation Studies.

3 **Q. PLEASE DESCRIBE HOW YOU USED THE RETIREMENT RATE METHOD TO**
4 **ANALYZE ATMOS ENERGY'S SERVICE LIFE DATA.**

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

14 **Q. WHAT ARE "IOWA-TYPE SURVIVOR CURVES" AND HOW DID YOU USE**
15 **SUCH CURVES TO ESTIMATE THE SERVICE LIFE CHARACTERISTICS FOR**
16 **EACH PROPERTY GROUP?**

17 A. Iowa-type survivor curves ("Iowa curves") are the industry standard system of survivor
18 curves that contain the range of survivor characteristics usually experienced by utilities and
19 other industrial companies. These curves were developed at the Iowa State College
20 Engineering Experiment Station through an extensive process of observing and classifying
21 the ages at which various types of property used by utilities and other industrial companies
22 had been retired.

23 Iowa curves are used to smooth and extrapolate original survivor curves determined by

1 the retirement rate method. The Iowa curves and truncated Iowa curves were used in the
2 Depreciation Studies to describe the forecasted rates of retirement based on the observed
3 rates of retirement and the outlook for future retirements. The estimated survivor curve
4 designations for each depreciable property group indicate the average service life, the
5 family within the Iowa system to which the property group belongs, and the relative height
6 of the mode. For example, the Iowa 50-R3 indicates an average service life of fifty years;
7 a right-moded, or R, type curve (the mode occurs after average life for right-moded curves);
8 and a moderate height, 3, for the mode (possible modes for R type curves range from 0.5
9 to 5).

10 **Q. DID YOU PHYSICALLY OBSERVE ATMOS ENERGY'S PLANT AND**
11 **EQUIPMENT AS PART OF YOUR DEPRECIATION STUDIES?**

12 A. I made a field review of Atmos Energy's property as part of the Tennessee Depreciation
13 Study to observe representative portions of plant. Field reviews are conducted to become
14 familiar with company operations and obtain an understanding of the function of the plant
15 and information with respect to the reasons for past retirements and the expected future
16 causes of retirements. This knowledge, as well as information from other discussions with
17 Atmos Energy's management and operating personnel, was incorporated in the
18 interpretation and extrapolation of the statistical analyses.

19 **Q. HOW DID YOUR EXPERIENCE IN DEVELOPMENT OF OTHER**
20 **DEPRECIATION STUDIES AFFECT YOUR WORK IN THIS CASE FOR ATMOS**
21 **ENERGY?**

22 A. Because my firm, Gannett Fleming, customarily conducts field reviews for depreciation
23 studies, I have had the opportunity to visit many similar facilities and meet with

1 management and operations personnel at many other companies. The knowledge I have
2 accumulated from those visits and meetings provides me with useful information to draw
3 upon to incorporate into the informed judgment used to estimate service lives and net
4 salvage.

5 **Q. PLEASE EXPLAIN THE CONCEPT OF “NET SALVAGE.”**

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

11 Because depreciation expense is the loss in service value of an asset during a defined
12 period (*e.g.*, one year), it must include a ratable portion of both the original cost of the asset
13 and the net salvage. That is, the net salvage related to an asset should be incorporated in
14 the cost of service during the same period as its original cost, so that customers receiving
15 service from the asset pay rates that include a portion of both elements of the asset’s service
16 value, the original cost and the net salvage value. For example, the full service value of a
17 \$1,000 regulator also includes \$250 of cost of removal and \$50 gross salvage, for a total
18 service value of \$1,200.

19 **Q. PLEASE DESCRIBE HOW YOU ESTIMATED NET SALVAGE PERCENTAGES.**

20 A. I estimated the net salvage percentages by incorporating Atmos Energy’s actual historical
21 data for the period 2001 through September 2022 and considered industry experience of
22 net salvage estimates for other gas companies. The net salvage percentages in the
23 Depreciation Studies are based on a combination of statistical analyses and informed

1 judgment. The statistical analyses consider the cost of removal and gross salvage ratios to
2 the associated retirements during the 22-year period. Trends of these data are also
3 measured based on three-year moving averages and the most recent five-year indications.

4 **Q. HAVE THERE BEEN ANY ACCOUNTING CHANGES THAT COULD IMPACT**
5 **NET SALVAGE FOR THE COMPANY'S ASSETS?**

6 A. Yes. Cost of removal for many assets occurs when the assets are replaced with a new asset
7 (or assets). As a result, the costs incurred for many projects include the costs of new assets
8 as well as cost of removal. The Company performed studies of the time involved with each
9 activity on projects with gas mains services in 2014 and with measuring and regulating
10 equipment in 2016. Based on the results of these studies, the Company has updated its
11 process for some accounts for determining which portion of project costs are recorded as
12 cost of removal. For gas mains and services, these changes were effective in October 2015
13 and for measuring and regulating equipment these changes were effective in November
14 2016. These accounting changes were considered when estimating net salvage, for
15 example by giving more emphasis to recent data. Additional analyses were performed in
16 which the recorded cost of removal in years prior to 2016 was adjusted to estimate the cost
17 of removal resulting from the updated accounting policies.

18 **Q. PLEASE DESCRIBE THE SECOND PHASE OF THE PROCESS THAT YOU**
19 **USED IN THE DEPRECIATION STUDIES IN WHICH YOU CALCULATED**
20 **COMPOSITE REMAINING LIVES AND ANNUAL DEPRECIATION ACCRUAL**
21 **RATES.**

22 A. After I estimated the service life and net salvage characteristics for each depreciable
23 property group, I calculated the annual depreciation accrual rates as of September 30, 2022

1 for each group using the straight line remaining life method, and using remaining lives
2 weighted consistent with the average service life procedure.

3 **Q. PLEASE DESCRIBE THE STRAIGHT LINE REMAINING LIFE METHOD OF**
4 **DEPRECIATION.**

5 A. The straight line remaining life method (also referred to as the straight line method,
6 remaining life technique) of depreciation allocates the original cost of the property, less
7 accumulated depreciation, less future net salvage, in equal amounts to each year of
8 remaining service life.

9 **Q. PLEASE DESCRIBE THE AVERAGE SERVICE LIFE PROCEDURE FOR**
10 **CALCULATING REMAINING LIFE ACCRUAL RATES.**

11 A. The average service life procedure defines the group or account for which the remaining
12 life annual accrual is determined. Under this procedure, the annual accrual rate is
13 determined for the entire group or account based on its average remaining life and the rate
14 is then applied to the surviving balance of the group's cost. The average remaining life of
15 the group is calculated by first dividing the future book accruals (original cost less allocated
16 book reserve less future net salvage) by the average remaining life for each vintage. The
17 average remaining life for each vintage is derived from the area under the survivor curve
18 between the attained age of the vintage and the maximum age. The sum of the future book
19 accruals is then divided by the sum of the annual accruals to determine the average
20 remaining life of the entire group for use in calculating the annual depreciation accrual rate.

21 **Q. PLEASE DESCRIBE AMORTIZATION ACCOUNTING IN CONTRAST TO**
22 **DEPRECIATION ACCOUNTING.**

1 A. Amortization accounting is used for accounts with a large number of units but relatively
2 small asset values. In amortization accounting, units of property are capitalized in the same
3 manner as they are in depreciation accounting. However, depreciation accounting is
4 difficult for these types of assets because depreciation accounting requires periodic
5 inventories to properly reflect plant in service. Consequently, amortization accounting is
6 used for these types of assets, such that retirements are recorded when a vintage is fully
7 amortized rather than as the units are removed from service. That is, there is no dispersion
8 of retirement in amortization accounting. All units are retired when the age of the vintage
9 reaches the amortization period. Each plant account or group of assets is assigned a fixed
10 period that represents an anticipated life during which the asset will render full benefit. For
11 example, in amortization accounting, assets that have a 15-year amortization period will
12 be fully recovered after 15 years of service and taken off the Company's books at that time,
13 although such assets may not necessarily be physically removed from service. In contrast,
14 assets that are physically taken out of service before 15 years remain on the books until the
15 amortization period for that vintage has expired.

16 **Q. IS AMORTIZATION ACCOUNTING USED FOR CERTAIN PLANT**
17 **ACCOUNTS?**

18 A. Yes. However, amortization accounting is only appropriate for certain general plant
19 accounts. These are Accounts 390.09, 391.00, 393.00, 394.00, 397.00, 398.00, 399.01 and
20 399.06, which represent slightly more than one percent of Atmos Energy's depreciable
21 plant for the Tennessee Direct Property. Additionally, amortization accounting is used for
22 distribution Accounts 376.03 and 376.04.

23 **Q. PLEASE USE AN EXAMPLE TO ILLUSTRATE HOW THE ANNUAL**

**DEPRECIATION ACCRUAL RATE FOR A PARTICULAR GROUP OF
PROPERTY IS PRESENTED IN YOUR DEPRECIATION STUDIES.**

A. I will use Account 380.00, Services, as an example because it is one of the largest depreciable accounts. The retirement rate method was used to analyze the survivor characteristics of this property group. Aged plant accounting data was compiled from 1991 through 2022 and analyzed in periods that best represent the overall service life of this property. The life tables for the 1991-2022 and 2003-2022 experience bands are presented in Part VII of the Tennessee Depreciation Study on pages VII-36 through VII-39. The life tables display the retirement and survivor ratios of the aged plant data exposed to retirement by age interval. For example, Part VII, page VII-36 of the Tennessee Depreciation Study shows \$1,139,302 retired during the age interval of 0.5 to 1.5, with \$153,100,778 exposed to retirement at the beginning of the age interval (*i.e.*, at age 0.5). Consequently, the retirement ratio is 0.0074 and the survivor ratio is 0.9926. The percentage of such assets surviving at age 1.5 is 98.96%, which is equal to the percentage surviving at age 0.5 of 99.70% multiplied by the survivor ratio at age 0.5 of 0.9926. These life tables, or original survivor curves, are plotted along with the estimated smooth survivor curve, the 50-R1.5 in Part VII on page VII-35 of the Tennessee Depreciation Study.

The net salvage analysis for this account is presented in Part VII on pages VIII-13 and VIII-14 of the Tennessee Depreciation Study. The net salvage percentages shown on these pages are based on the result of annual gross salvage minus the cost to remove plant assets as compared to the original cost of plant retired during the period 2001 through 2022. This 22-year period experienced negative \$4,602,767 in net salvage for \$25,797,029 plant retired. The result is negative net salvage of 18% (\$4,602,767 divided by \$25,797,029).

1 Based on the overall negative 18% net salvage, the average of negative 10% for the most
2 recent three-year and five-year averages as well as general knowledge of the property in
3 this account and Atmos's expectations, I determined that negative 10% is the most
4 appropriate estimate for the account.

5 The calculation of the annual depreciation related to the original cost of gas plant as of
6 September 30, 2022 is presented in Part IX on pages IX-21 and IX-22 of the Tennessee
7 Depreciation Study. The calculation is based on the 50-R1.5 survivor curve, 10 percent
8 negative net salvage, the attained age, and the allocated book reserve. The tabulation sets
9 forth the installation year, the original cost, calculated accrued depreciation, allocated book
10 reserve, future accruals, remaining life and annual accrual. These totals are brought
11 forward to the table on Part VI, page VI-4 of the Tennessee Depreciation Study.

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

13 **A.** Yes.

**BEFORE THE TENNESSEE PUBLIC UTILITY COMMISSION
NASHVILLE, TENNESSEE**

IN RE:

**ATMOS ENERGY CORPORATION
TENNESSEE DIRECT,
KENTUCKY/MID-STATES DIVISION,
AND SHARED SERVICES UNIT
DEPRECIATION STUDY**

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Docket No. 2023-_____

VERIFICATION

COMMONWEALTH OF PENNSYLVANIA)

COUNTY OF CUMBERLAND)

I, Ned W. Allis, being first duly sworn, state that I am Vice President of Gannett Fleming Valuation and Rate Consultants, LLC, that I am authorized to testify on behalf of Atmos Energy Corporation in the above referenced docket, that the Direct Testimony of Ned W. Allis in support of Atmos Energy Corporation's filing is true and correct to the best of my knowledge, information and belief.



Ned W. Allis

Sworn and subscribed before me this 23rd day of June, 2023.



Notary Public

My Commission Expires: February 20, 2027

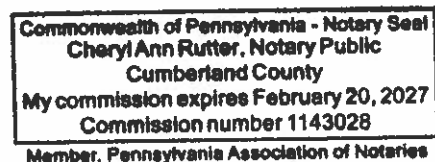


Exhibit NWA-1

ATMOS ENERGY CORPORATION TENNESSEE DIRECT PROPERTY

2022 DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION
ACCRUALS RELATED TO GAS PLANT
AS OF SEPTEMBER 30, 2022

Prepared by:



GANNETT FLEMING

Excellence Delivered As Promised

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY
Dallas, Texas

2022 DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION
ACCRUALS RELATED TO GAS PLANT
AS OF SEPTEMBER 30, 2022

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



Gannett Fleming
Valuation and Rate Consultants, LLC

Corporate Headquarters
207 Senate Avenue
Camp Hill, PA 17011
P 717.763.7211 | F 717.763.8150

gannettfleming.com

May 31, 2023

Atmos Energy Corporation
5430 Lyndon B. Johnson Freeway
Dallas, TX 75240

Attention: Joe Christian

Ladies and Gentlemen:

Pursuant to your request, we have conducted a depreciation study related to the gas plant of Atmos Energy Corporation - Tennessee Direct Property as of September 30, 2022. 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 Atmos Energy Corporation personnel in the conduct of this study.

Respectfully submitted,

GANNETT FLEMING VALUATION
AND RATE CONSULTANTS, LLC

A handwritten signature in black ink, appearing to read "Ned W. Allis".

NED W. ALLIS
Vice President

NWA:mle

073611.000

TABLE OF CONTENTS

Executive Summary	iii
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-2
PART IV. NET SALVAGE CONSIDERATIONS	IV-1
Net 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 Reserve and Calculated Annual Depreciation Accruals Related to Gas Plant as of September 30, 2022.....	VI-4
PART VII. SERVICE LIFE STATISTICS.....	VII-1
PART VIII. NET SALVAGE STATISTICS.....	VIII-1
PART IX. DETAILED DEPRECIATION CALCULATIONS	IX-1

**ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY**

DEPRECIATION STUDY

EXECUTIVE SUMMARY

Pursuant to Atmos Energy Corporation’s (“Atmos”) request, Gannett Fleming Valuation and Rate Consultants, LLC (“Gannett Fleming”) conducted a depreciation study related to the gas plant of the Tennessee Direct Property as of September 30, 2022. 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 survivor curves and forecasted net salvage characteristics for each depreciable group of assets.

The service life and net salvage estimates recommended in the depreciation study are based on informed judgment that incorporates the statistical analyses of historical data through 2022. In general, the service lives have trended shorter for many accounts and the recommended service lives have decreased since the previous depreciation study. Additionally, the Company has modified its accounting practices for recording cost of removal for replacement projects. This change has been incorporated into the recommended net salvage estimates. In general, the depreciation rates proposed in this study result in a higher level of depreciation expense than the rates recommended in the previous depreciation study. This was primarily the result of changes in the estimated service life and net salvage parameters for some accounts.

Gannett Fleming recommends the calculated annual depreciation accrual rates set forth herein apply specifically to gas plant in service as of September 30, 2022 as summarized in Table 1 of the study. Supporting analysis and calculations are provided within the study.

The study results set forth an annual depreciation expense of \$18.0 million when applied to depreciable plant balances as of September 30, 2022. 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 SEPTEMBER 30, 2022</u>	<u>PROPOSED RATE</u>	<u>PROPOSED EXPENSE</u>
TRANSMISSION PLANT	13,868,814.78	2.32	321,392
DISTRIBUTION PLANT	752,974,792.43	2.25	16,925,338
GENERAL PLANT	16,947,027.16	4.64	786,135
TOTAL DEPRECIABLE PLANT	<u>\$783,790,634.37</u>	2.30	<u>\$18,032,865</u>

PART I. INTRODUCTION

**ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY
DEPRECIATION STUDY**

PART I. INTRODUCTION

SCOPE

This report sets forth the results of the depreciation study for Atmos Energy Corporation's ("Atmos") Tennessee Direct Property, to determine the annual depreciation accrual rates and amounts for book purposes applicable to the original cost of gas plant as of September 30, 2022. 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 gas plant in service as of September 30, 2022.

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 2022, a review of Company practice and outlook as they relate to plant operation and retirement, and consideration of current practice in the gas industry, including knowledge of service lives and net salvage estimates used for other gas companies.

PLAN OF REPORT

Part I, Introduction, describes the plan of the report and the basis of the study. Part II, Estimation of Survivor Curves, provides descriptions of the considerations and the methods used in the service life and net salvage analyses. Part III, Service Life Considerations, presents the factors and judgment utilized in the average service life analysis. Part IV, Net Salvage Considerations, discusses the judgment utilized in 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, provides 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 and which is incurred in through 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 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 distribution of 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 accepted in jurisdictions throughout North America. Average service life is the same procedure recommended in the Company's previous depreciation study and Gannett Fleming recommends its continued use in this study. 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 gas utility industry, and comparisons of the service life and net salvage estimates from our studies of other gas utilities. The use of survivor curves to reflect the expected dispersion of retirement provides a consistent method of estimating depreciation for gas plant. Iowa type survivor curves were used to model 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 based on 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 (or the portion of the frequency curve with the highest level of 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. A higher number designates a higher mode curve.

The Iowa curves were developed at the Iowa State College Engineering Experiment Station through an extensive process of observation and classification of the ages at which industrial property had been retired. A report of the study which resulted in the classification of property survivor characteristics into 18 type curves, which constitute three of the four families, was published in 1935 in the form of the Experiment Station's Bulletin 125.

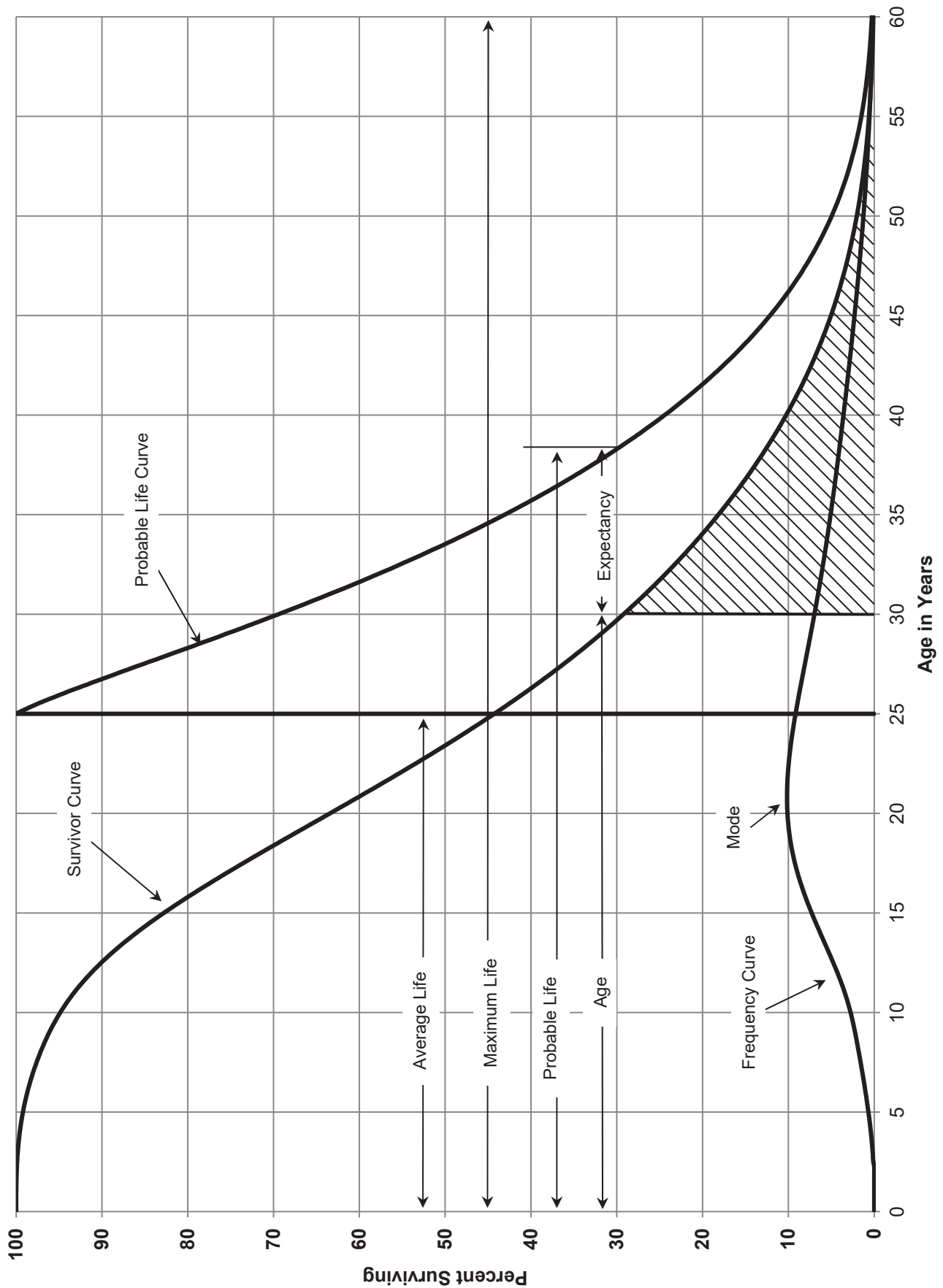


FIGURE 1. TYPICAL SURVIVOR CURVE AND DERIVED CURVES

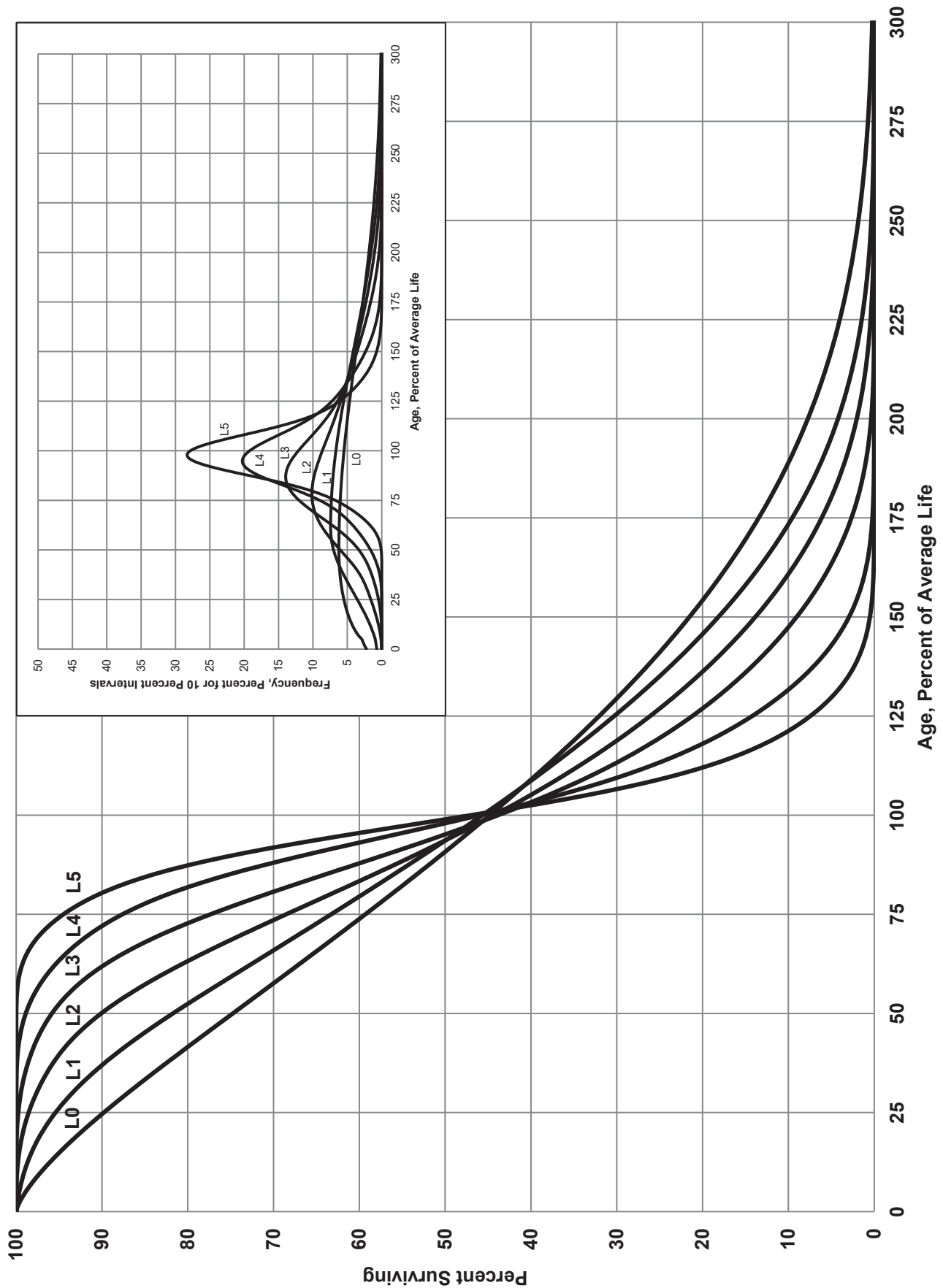


FIGURE 2. LEFT MODAL OR "L" IOWA TYPE SURVIVOR CURVES

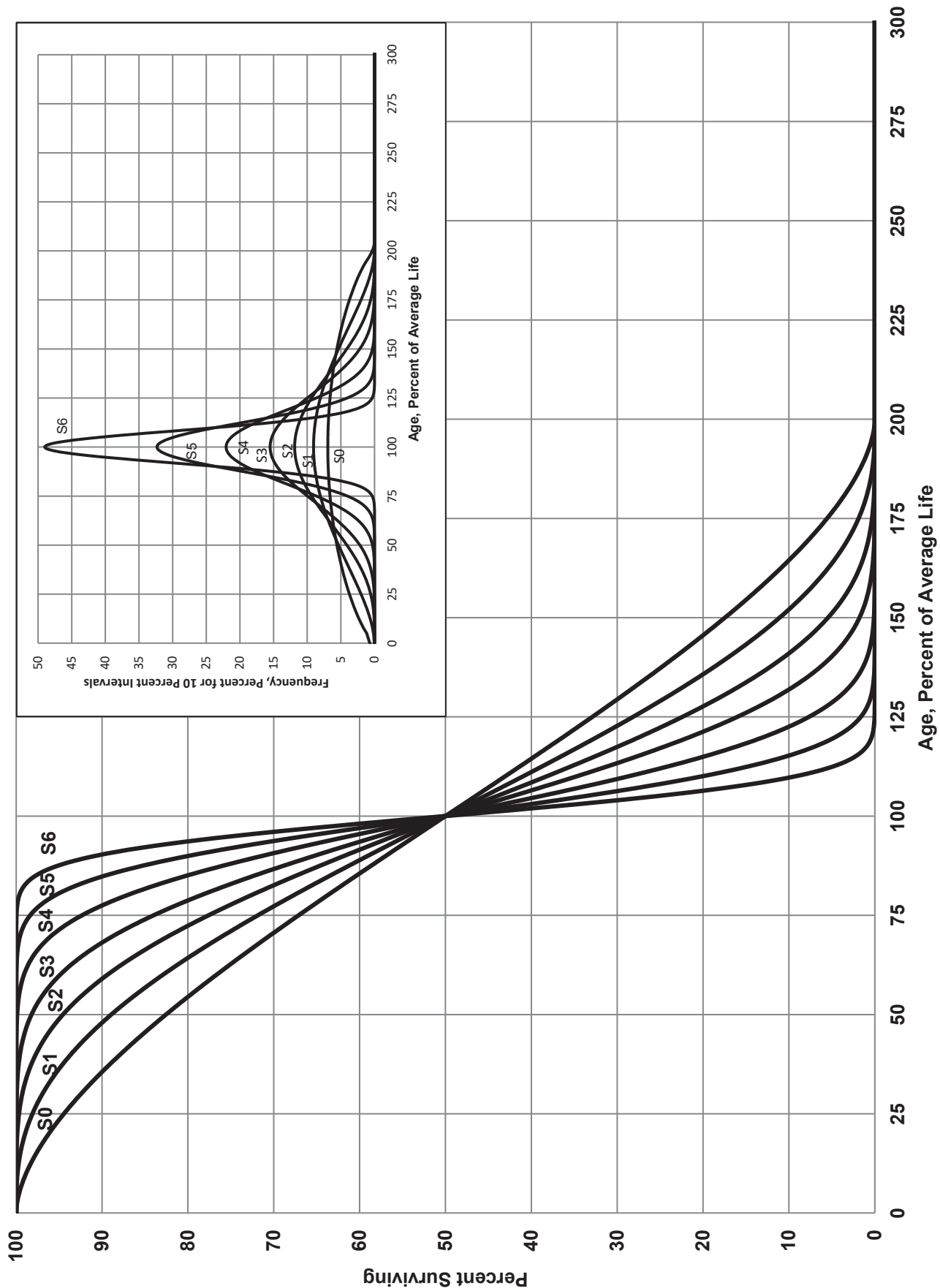


FIGURE 3. SYMMETRICAL OR "S" IOWA TYPE SURVIVOR CURVES

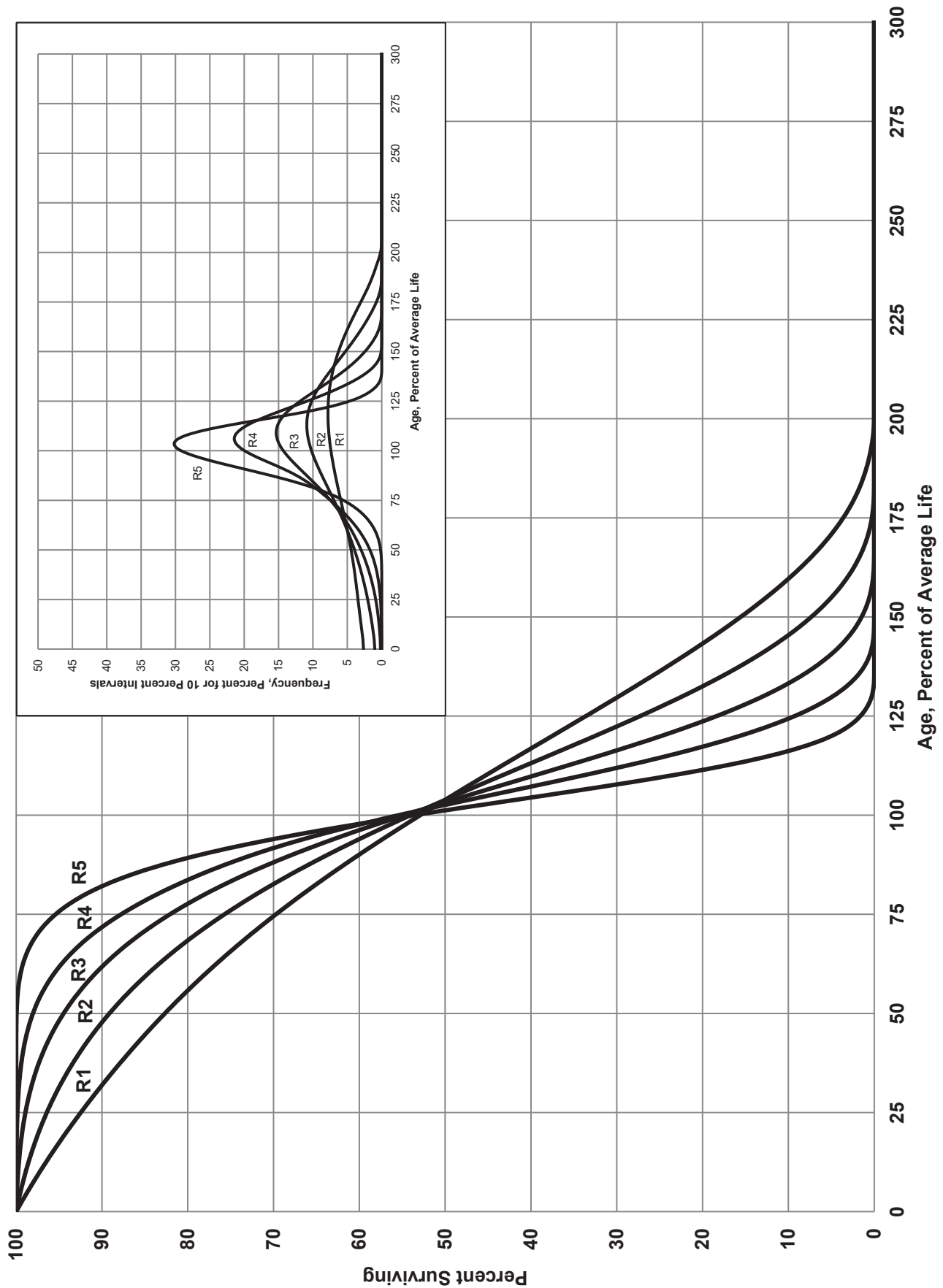


FIGURE 4. RIGHT MODAL OR "R" IOWA TYPE SURVIVOR CURVES

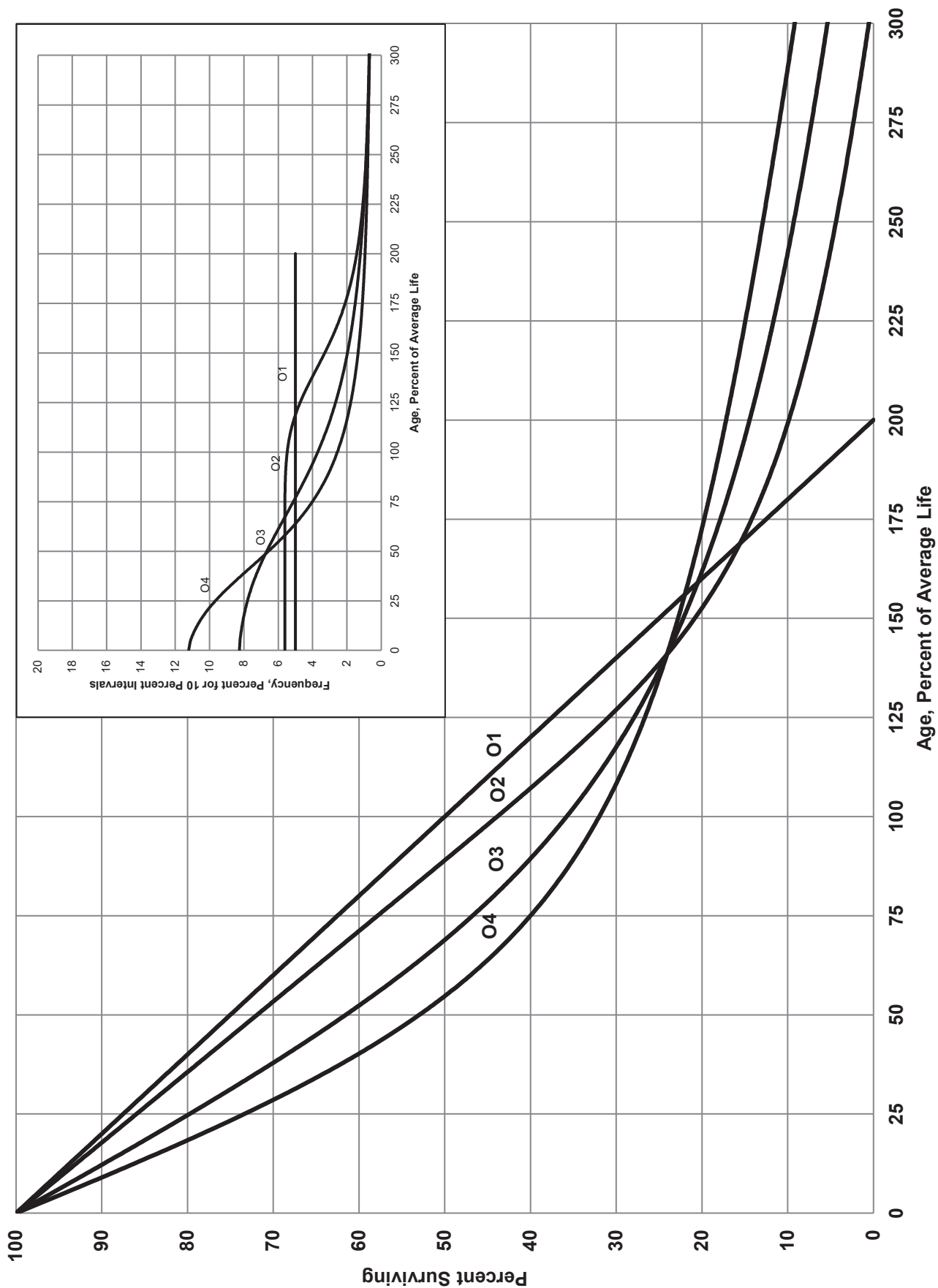


FIGURE 5. ORIGIN MODAL OR "O" IOWA TYPE SURVIVOR CURVES

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. The band of years which represent the installation dates of the property exposed to retirement during the experience band is referred to as the placement band. An example of the calculations used in the development of a life table follows. The example includes schedules of annual aged property transactions, a schedule of plant exposed to retirement, a life table and illustrations of smoothing the stub survivor curve.

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 Retirements. Iowa State College, Engineering Experiment Station, Bulletin 125. 1935.

³Marston, Anson, Robley Winfrey, and Jean C. Hempstead, Supra Note 1.

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

Schedules of Annual Transactions in Plant Records

The property group used to illustrate the retirement rate method is observed for the experience band 2013-2022 for which there were placements during the years 2008-2022. 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 2008 were retired in 2013. 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 2013 retirements of 2008 installations and ending with the 2022 retirements of the 2017 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 2013-2022
SUMMARIZED BY AGE INTERVAL

Experience Band 2013-2022										Placement Band 2008-2022		
Year	Retirements, Thousands of Dollars										Total During Age Interval (12)	Age Interval (13)
	During Year											
	<u>2013</u> (2)	<u>2014</u> (3)	<u>2015</u> (4)	<u>2016</u> (5)	<u>2017</u> (6)	<u>2018</u> (7)	<u>2019</u> (8)	<u>2020</u> (9)	<u>2021</u> (10)	<u>2022</u> (11)		
<u>Placed</u> (1)												
2008	10	11	12	13	14	16	23	24	25	26	26	13½-14½
2009	11	12	13	15	16	18	20	21	22	19	44	12½-13½
2010	11	12	13	14	16	17	19	21	22	18	64	11½-12½
2011	8	9	10	11	11	13	14	15	16	17	83	10½-11½
2012	9	10	11	12	13	14	16	17	19	20	93	9½-10½
2013	4	9	10	11	12	13	14	15	16	20	105	8½-9½
2014		5	11	12	13	14	15	16	18	20	113	7½-8½
2015			6	12	13	15	16	17	19	19	124	6½-7½
2016				6	13	15	16	17	19	19	131	5½-6½
2017					7	14	16	17	19	20	143	4½-5½
2018						8	18	20	22	23	146	3½-4½
2019							9	20	22	25	150	2½-3½
2020								11	23	25	151	1½-2½
2021									11	24	153	½-1½
2022										13	80	0-½
Total	53	68	86	106	128	157	196	231	273	308	1,606	





SCHEDULE 2. OTHER TRANSACTIONS FOR EACH YEAR 2013-2022
SUMMARIZED BY AGE INTERVAL

Experience Band 2013-2022												Placement Band 2008-2022			
Acquisitions, Transfers and Sales, Thousands of Dollars															
		During Year													
Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total During	Age		
Placed	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	Age Interval	Interval		
	(13)											(12)	(13)		
2008	-	-	-	-	-	-	-	60 ^a	-	-	-	-	13½-14½		
2009	-	-	-	-	-	-	-	-	-	-	-	-	12½-13½		
2010	-	-	-	-	-	-	-	-	-	-	-	-	11½-12½		
2011	-	-	-	-	-	-	-	-	(5) ^b	-	-	60	10½-11½		
2012	-	-	-	-	-	-	-	-	6 ^a	-	-	-	9½-10½		
2013	-	-	-	-	-	-	-	-	-	-	-	(5)	8½-9½		
2014	-	-	-	-	-	-	-	-	-	-	-	6	7½-8½		
2015	-	-	-	-	-	-	-	-	-	-	-	-	6½-7½		
2016	-	-	-	-	-	-	-	-	(12) ^b	-	-	-	5½-6½		
2017	-	-	-	-	-	-	-	-	-	22 ^a	-	-	4½-5½		
2018	-	-	-	-	-	-	-	-	(19) ^b	-	-	10	3½-4½		
2019	-	-	-	-	-	-	-	-	-	-	-	-	2½-3½		
2020	-	-	-	-	-	-	-	-	-	-	(102) ^c	(121)	1½-2½		
2021	-	-	-	-	-	-	-	-	-	-	-	-	½-1½		
2022	-	-	-	-	-	-	-	-	-	-	-	-	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 2013 through 2022 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 2018 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 2013-2022
SUMMARIZED BY AGE INTERVAL

Experience Band 2013-2022

Year Placed	Exposures, Thousands of Dollars											Total at	
	Annual Survivors at the Beginning of the Year											Beginning of Age Interval	Age Interval
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
2008	255	245	234	222	209	195	239	216	192	167	167	13½-14½	
2009	279	268	256	243	228	212	194	174	153	131	323	12½-13½	
2010	307	296	284	271	257	241	224	205	184	162	531	11½-12½	
2011	338	330	321	311	300	289	276	262	242	226	823	10½-11½	
2012	376	367	357	346	334	321	307	297	280	261	1,097	9½-10½	
2013	420 ^a	416	407	397	386	374	361	347	332	316	1,503	8½-9½	
2014		460 ^a	455	444	432	419	405	390	374	356	1,952	7½-8½	
2015			510 ^a	504	492	479	464	448	431	412	2,463	6½-7½	
2016				580 ^a	574	561	546	530	501	482	3,057	5½-6½	
2017					660 ^a	653	639	623	628	609	3,789	4½-5½	
2018						750 ^a	742	724	685	663	4,332	3½-4½	
2019							850 ^a	841	821	799	4,955	2½-3½	
2020								960 ^a	949	926	5,719	1½-2½	
2021									1,080 ^a	1,069	6,579	½-1½	
2022										1,220 ^a	7,490	0-½	
Total	1,975	2,382	2,824	3,318	3,872	4,494	5,247	6,017	6,852	7,799	44,780		

Placement Band 2008-2022

^aAdditions during the year

For the entire experience band 2013-2022, 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 ÷ 3,789,000	= 0.0377
Survivor Ratio	=	1.000 - 0.0377	= 0.9623
Percent surviving at age 5½	=	(88.15) x (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 2013-2022

Placement Band 2008-2022

(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
					35.66
Total	<u>44,780</u>	<u>1,606</u>			

Column 2 from Schedule 3, Column 12, Plant Exposed to Retirement.

Column 3 from Schedule 1, Column 12, Retirements for Each Year.

Column 4 = Column 3 Divided by Column 2.

Column 5 = 1.0000 Minus Column 4.

Column 6 = Column 5 Multiplied by Column 6 as of the Preceding Age Interval.

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

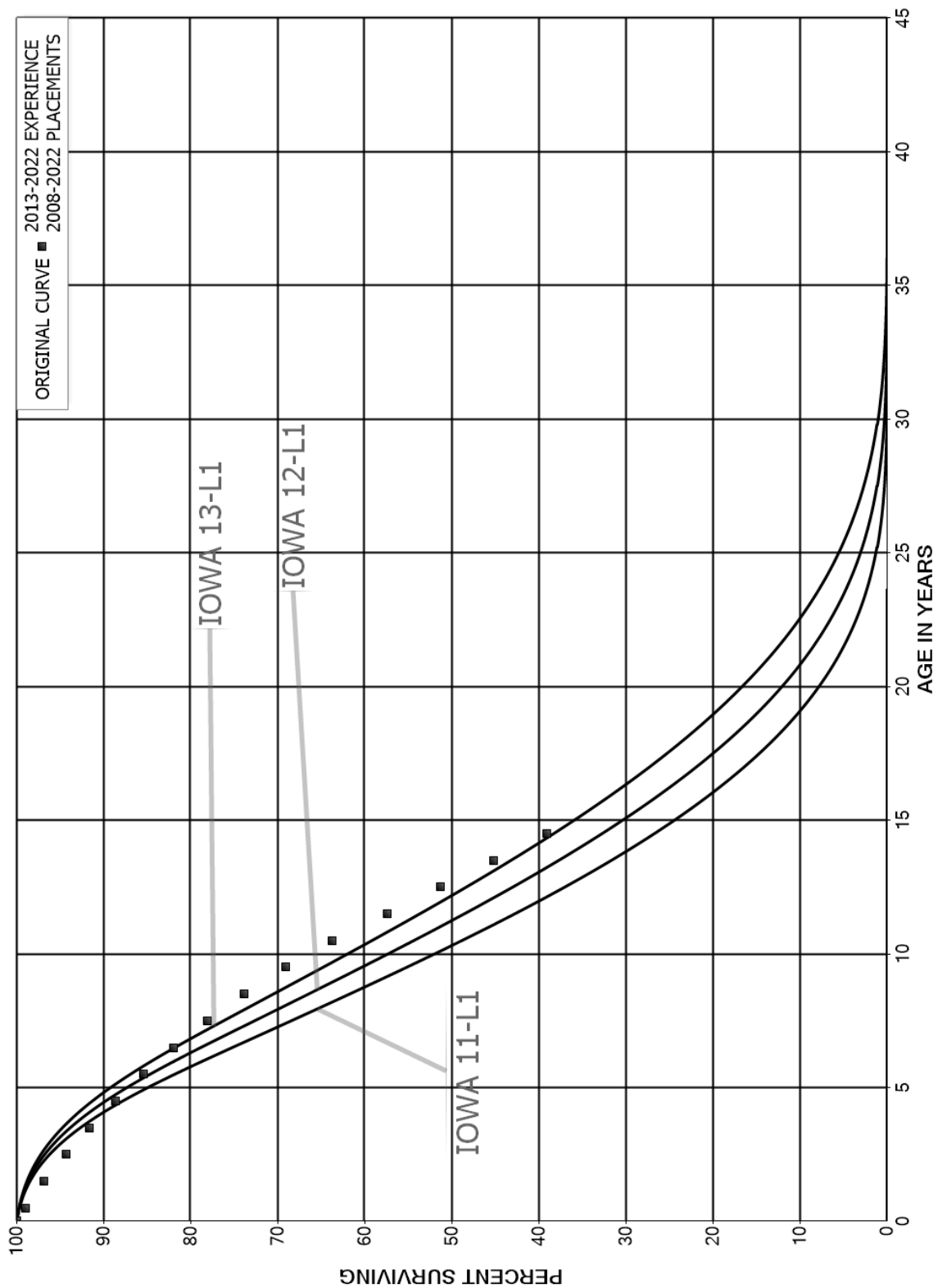


FIGURE 7. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN S0 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES

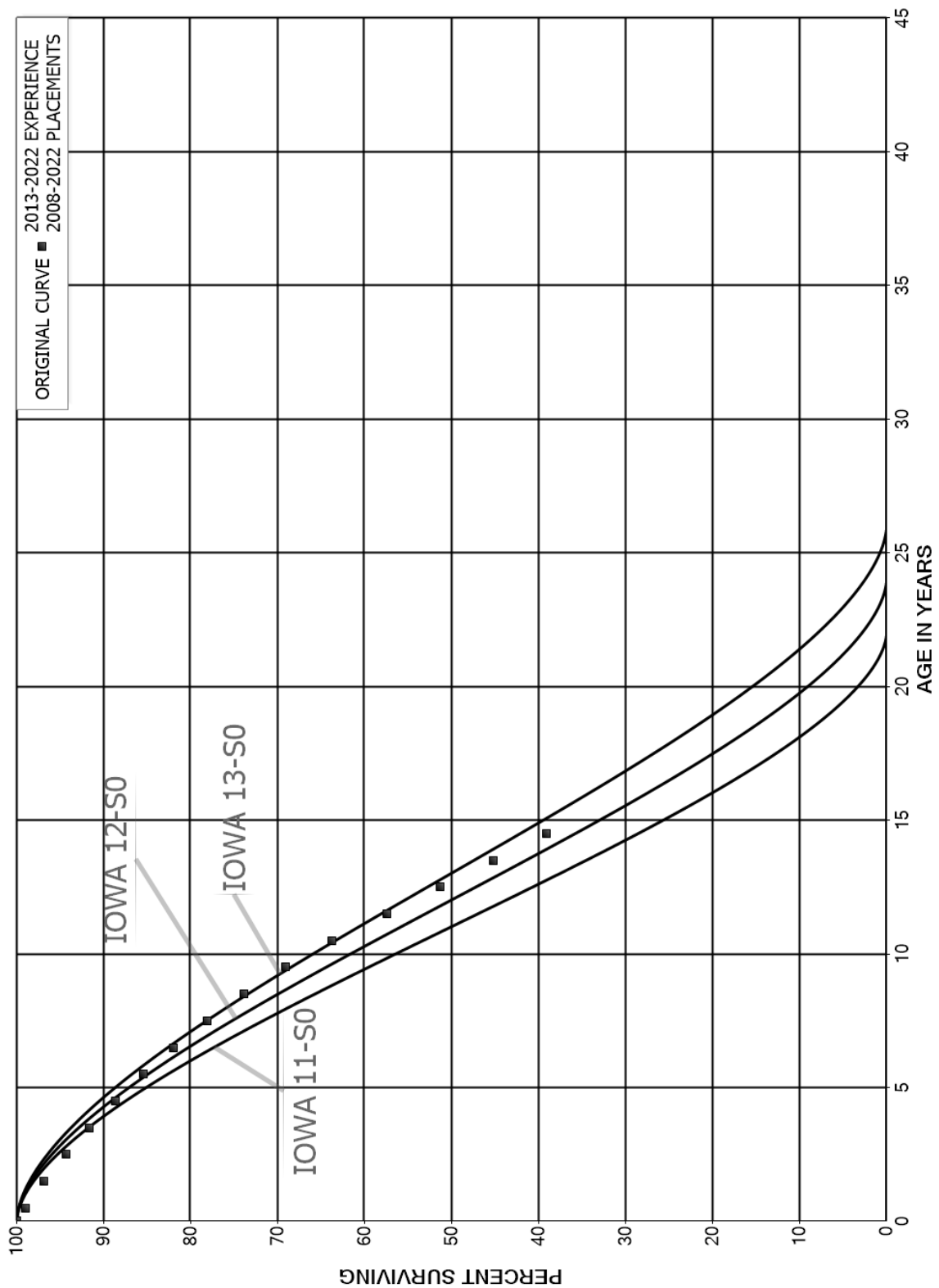


FIGURE 8. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN R1 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES

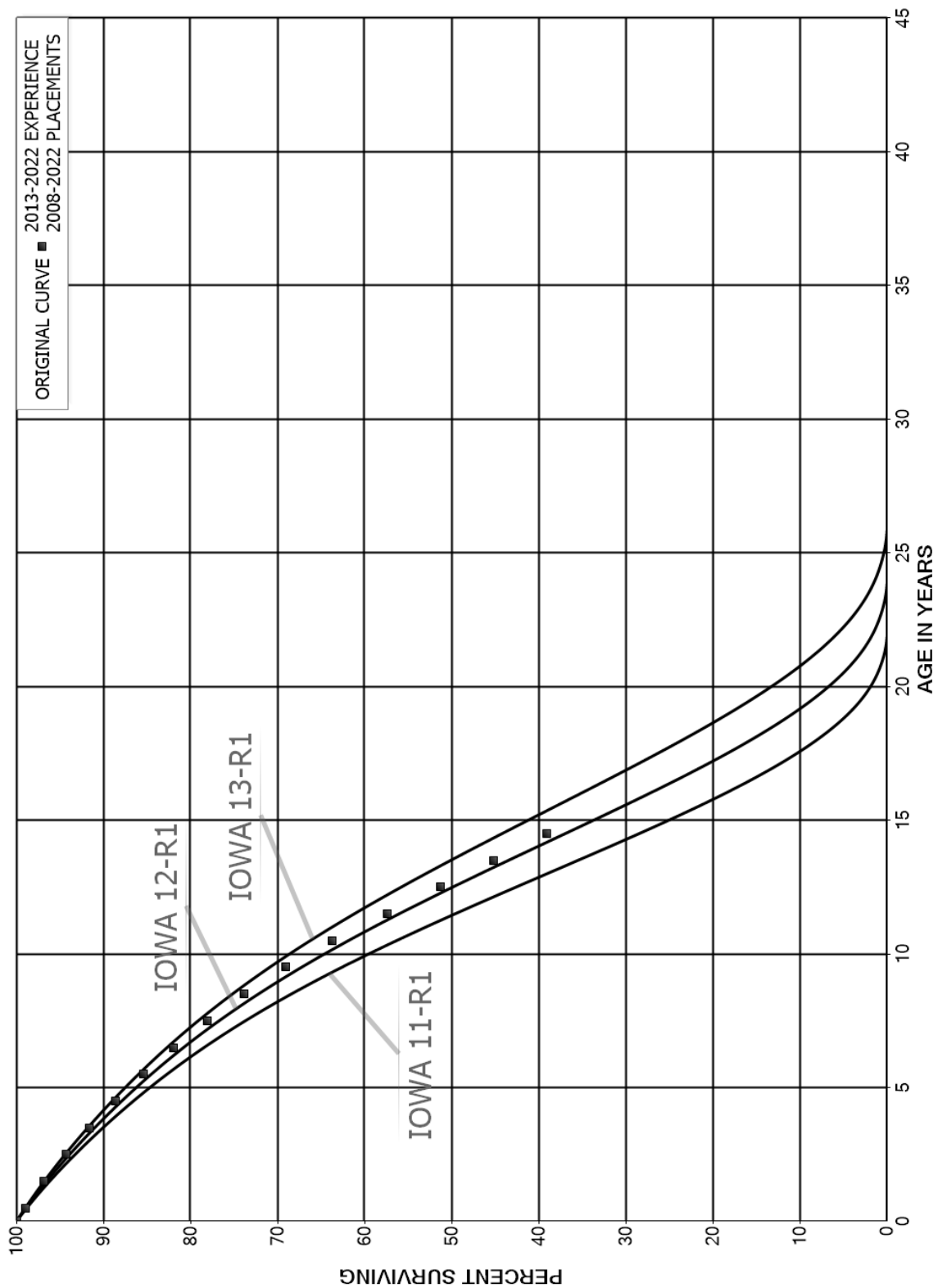
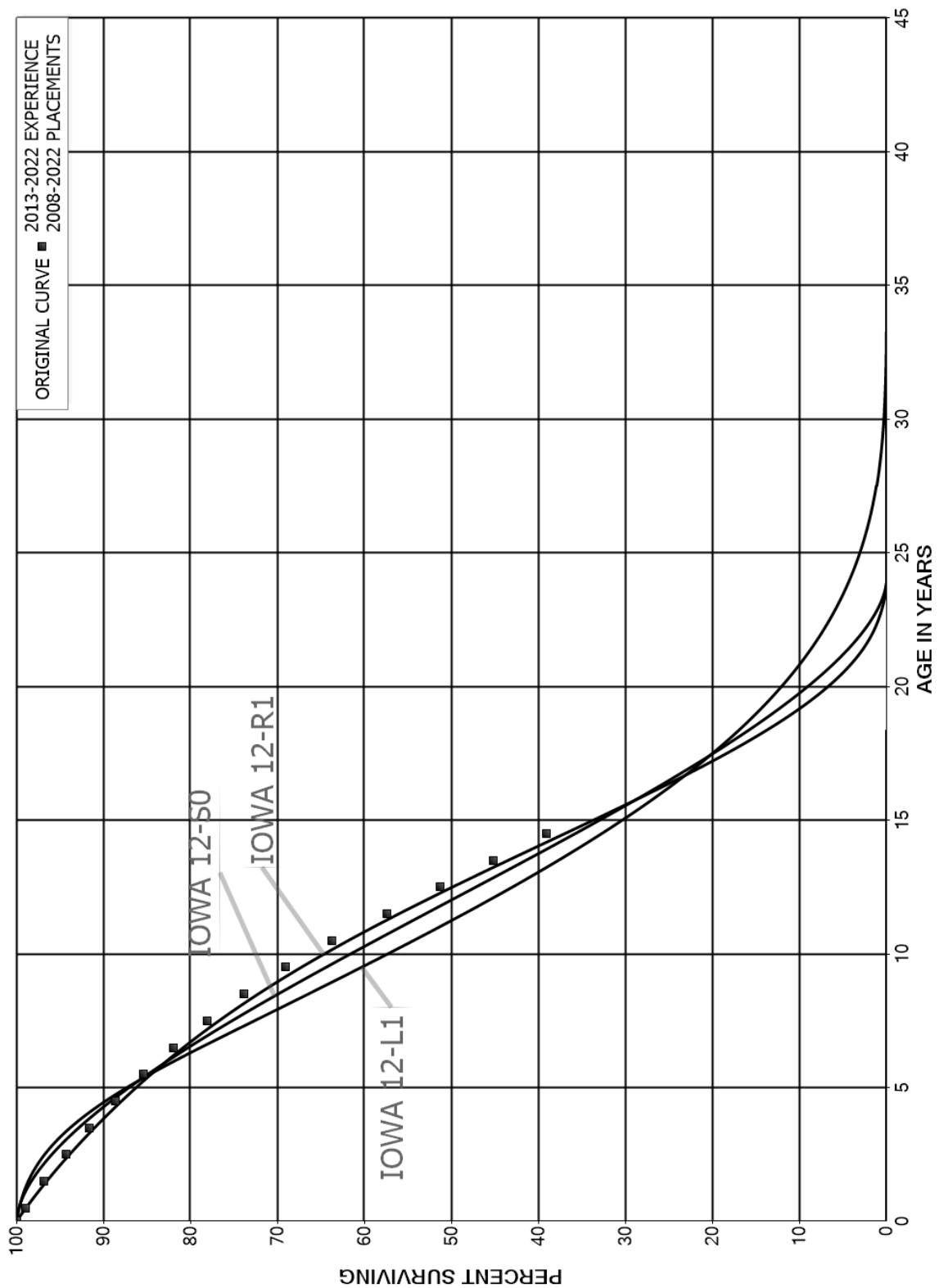


FIGURE 9. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1, S0 AND R1 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES



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 field trip.

March 7 and 8, 2022

Highway 126 Gate Station
Elizabethton City Gate
Elizabethton Regulating Station
Fairbridge Regulating Station

SERVICE LIFE ANALYSIS

The service life estimates were based on informed judgment which considered various 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 gas companies.

For many of the plant accounts and subaccounts for which survivor curves were estimated, the statistical analyses using the retirement rate method contributed significantly towards the recommended survivor curves. These accounts represent 92 percent of depreciable plant. The statistical support for the service life estimates is presented in the section beginning on page VII-2.

GAS PLANT

Distribution Plant

376.01	Mains – Steel
376.02	Mains – Plastic
378.00	Measuring and Regulating Station Equipment
380.00	Services
381.00	Meters
382.00	Meter Installations
383.00	House Regulators

General Plant

392.00	Transportation Equipment
396.00	Power Operated Equipment

Account 376.02, Mains – Plastic, is the largest plant account and is used to illustrate the manner in which the study was conducted for the accounts in the preceding list. Aged plant accounting data is available from 1991 through 2022. These data have been coded in the course of the Company's normal record keeping according to account or property group, type of transaction, year in which the transaction took place and year in which the utility plant was placed in service. The retirements, other plant transactions and plant additions were analyzed by the retirement rate method. The current survivor curve estimate for this account is the 60-R4, which is a typical life for these types of assets. The statistical analysis through 2022 indicates a longer service life than the current estimate is reasonable. The proposed 70-R4 survivor curve is based on the statistical indication for the period 1991 through 2022. The 70-R4 is a reasonable fit of the significant portion of the original survivor curve as set forth on page VII-22, is consistent with the considerations discussed above and with management outlook for the account, and it is within the typical industry range of average service lives of 55 to 75 years for mains.

Assets in Account 376.03, Mains – Anodes, and Account 376.04, Mains – Leak Clamps, are expected to have service lives shorter than those in the other Mains accounts

and are relatively small dollar assets. The recommendation for these accounts is to use amortization accounting, consistent with the approach currently used for many general plant accounts. Amortization accounting is discussed further in Part V of this report.

Generally, the survivor curve estimates for the remaining accounts were based on judgments which considered the statistical analyses, the nature of the plant and equipment, the previous estimate for the Company and a general knowledge of service lives for similar equipment in other gas companies.

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 2001 through 2022. Cost of removal and gross 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, that is, all future retirements. In cases in which removal costs are expected to exceed gross 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 gross salvage data are presented in the section titled “Net Salvage Statistics” for the plant accounts in which the net salvage estimate relied partially on those analyses.

Statistical analyses of historical data for the period 2001 through 2022 contributed significantly toward the net salvage estimates for 11 plant accounts, although in some instances the estimates are conservative (that is, less negative than the historical data). These accounts, which represent 96 percent of the depreciable plant, are as follows:

GAS PLANT

Distribution Plant

367.01	Mains – Steel
376.01	Mains – Steel
376.02	Mains - Plastic
378.00	Measuring and Regulating Station Equipment
379.00	Measuring and Regulating Station Equipment – City Gate
380.00	Services
381.00	Meters
382.00	Meter Installations
383.00	House Regulators
392.00	Transportation Equipment
396.00	Power Operated Equipment

The analysis for Account 380.00, Services, is used to illustrate the manner in which the study was conducted for the groups in the preceding list. Net salvage data for the period 2001 through 2022 were analyzed for this account. The data include cost of removal, gross salvage and net salvage amounts and each of these amounts is expressed as a percent of the original cost of regular retirements. Three-year moving averages for the 2001-2003 through 2020-2022 periods were computed to smooth the annual amounts.

Cost of removal for the 23-year period averaged 18 percent. Cost of removal for the most recent five years averaged 10 percent. A minimal amount of gross salvage was recorded during the 22-year period which is expected to be indicative of the future.

The Company's accounting for the cost of removal for replacement projects for this account has changed since the last depreciation study. A time and motion study was performed and its recommendations implemented beginning in fiscal year 2016. For this reason, the net salvage indications for 2016 through 2022 were given more consideration than prior years. Additionally, analysis was reviewed in which the historical data were adjusted to be more consistent with the Company's current accounting. The

recommended negative 15 percent net salvage estimate is slightly less negative than the overall average net salvage percent indicated by the historical data but the same as the estimate from the previous depreciation study. In future depreciation studies, in which more data will be available based on the current accounting practices, this estimate can be reviewed and updated as appropriate.

The net salvage percents for the remaining accounts were based on judgment incorporating estimates of previous studies of this and other gas utilities. For the amortized general plant accounts, the net salvage estimates 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, 2022, 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, 2022, 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:

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

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 several accounts that represent numerous units of property but only a small portion of depreciable gas plant in service. The accounts and their amortization periods are as follows:

<u>ACCOUNT</u>	<u>TITLE</u>	<u>AMORTIZATION PERIOD (YEARS)</u>
376.03	Mains – Anodes	20
376.04	Mains – Leak Clamps	20
390.09	Structures and Improvements – Improvements – Leased	25
391.00	Office Furniture and Equipment	20
393.00	Stores Equipment	25
394.00	Tools, Shop and Garage Equipment	15
397.00	Communication Equipment	15
398.00	Miscellaneous Equipment	15
399.01	Other Tangible Property – Servers	7
399.06	Other Tangible Property – PC Hardware	5

For the purpose of calculating annual amortization amounts as of September 30, 2022, 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 net 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 gas plant in service as of September 30, 2022. For most plant accounts, the application of such rates to future balances, that reflect additions subsequent to September 30, 2022, 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 gas plant as of September 30, 2022 presented on page VI-4 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 gas 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 net 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 September 30, 2022 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.

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTYSUMMARY OF ESTIMATED SURVIVOR CURVE, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND
CALCULATED ANNUAL DEPRECIATION RATES RELATED TO GAS PLANT AS OF SEPTEMBER 30, 2022

	ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST AS OF SEPTEMBER 30, 2022 (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL RATE		COMPOSITE REMAINING LIFE (9)=(6)/(7)
							AMOUNT (7)	(8)=(7)/(4)	
TRANSMISSION PLANT									
365.20	RIGHTS OF WAY	70 - R4	0	348,971.01	97,151	251,820	5,269	1.51	47.8
366.00	STRUCTURES AND IMPROVEMENTS	30 - R3	0	2,679.36	2,015	664	72	2.69	9.2
367.00	MAINS - CATHODIC PROTECTION	25 - R4	0	91,687.07	35,352	56,335	3,781	4.12	14.9
367.01	MAINS - STEEL	60 - R3	(10)	11,734,620.93	6,297,983	6,610,100	291,246	2.48	22.7
369.00	MEASURING AND REGULATING STATION EQUIPMENT	45 - R3	(5)	1,690,856.41	1,476,675	298,724	21,024	1.24	14.2
TOTAL TRANSMISSION PLANT				13,868,814.78	7,909,176	7,217,643	321,392	2.32	
DISTRIBUTION PLANT									
374.02	LAND RIGHTS	70 - R4	0	5,167,860.80	462,594	4,705,267	73,225	1.42	64.3
375.00	STRUCTURES AND IMPROVEMENTS	45 - R4	0	344,535.28	63,123	281,412	7,685	2.23	36.6
376.00	MAINS - CATHODIC PROTECTION	25 - R4	0	1,938,058.92	615,129	1,322,930	65,338	3.37	20.2
376.01	MAINS - STEEL	70 - R3	(40)	120,220,043.86	31,814,342	136,493,719	2,365,040	1.97	57.7
376.02	MAINS - PLASTIC	70 - R4	(40)	307,453,800.79	97,768,807	332,666,514	5,928,603	1.93	56.1
376.03	MAINS - ANODES	20 - SQ	0	1,314,524.47	529,272	785,252	65,755	5.00	11.9
376.04	MAINS - LEAK CLAMPS	20 - SQ	0	3,732,997.91	2,523,276	1,209,722	186,788	5.00	6.5
378.00	MEASURING AND REGULATING STATION EQUIPMENT	45 - R3	(25)	25,036,674.89	6,302,858	24,992,986	722,347	2.89	34.6
379.00	MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE	45 - R3	(5)	16,507,221.28	1,848,479	15,484,103	406,865	2.46	38.1
380.00	SERVICES	50 - R1.5	(10)	174,194,279.37	43,159,631	148,454,076	3,921,642	2.25	37.9
381.00	METERS	30 - R2	(5)	52,101,971.80	13,054,519	41,652,551	1,705,180	3.27	24.4
382.00	METER INSTALLATIONS	35 - R3	(25)	32,818,992.48	18,370,423	22,653,318	1,132,328	3.45	20.0
383.00	HOUSE REGULATORS	35 - R3	(10)	11,368,907.97	3,527,516	8,978,283	326,955	2.88	27.5
385.00	INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT	40 - R3	0	774,922.61	255,925	518,998	17,587	2.27	29.5
TOTAL DISTRIBUTION PLANT				752,974,792.43	220,295,894	740,199,131	16,925,338	2.25	
GENERAL PLANT									
390.00	STRUCTURES AND IMPROVEMENTS	35 - R3	10	7,911,345.72	3,797,330	3,322,881	109,129	1.38	30.4
390.09	STRUCTURES AND IMPROVEMENTS - IMPROVEMENTS - LEASED	25 - SQ	0	304,906.42	181,250	123,656	12,194	4.00	10.1
391.00	OFFICE FURNITURE AND EQUIPMENT	20 - SQ	0	460,929.01	84,839	376,090	23,047	5.00	16.3
392.00	TRANSPORTATION EQUIPMENT	8 - L3	20	801,524.98	529,461	111,759	19,335	2.41	5.8
393.00	STORES EQUIPMENT	25 - SQ	0	3,271.19	3,271	0	0	-	*
394.00	TOOLS, SHOP AND GARAGE EQUIPMENT	15 - SQ	0	4,944,332.33	1,627,500	3,316,832	329,880	6.67	10.1
396.00	POWER OPERATED EQUIPMENT	9 - L2.5	5	4,320.52	3,149	955	273	6.32	3.5
396.03	POWER OPERATED EQUIPMENT - DITCHERS	9 - L2.5	5	19,945.94	12,798	6,151	2,143	10.74	2.9
397.00	COMMUNICATION EQUIPMENT	15 - SQ	0	124,207.70	64,239	59,969	8,280	6.67	7.2
398.00	MISCELLANEOUS EQUIPMENT	15 - SQ	0	1,418,784.44	877,000	541,784	94,638	6.67	5.7
399.01	OTHER TANGIBLE PROPERTY - SERVERS	7 - SQ	0	61,458.68	35,175	26,284	8,784	14.29	3.0
399.06	OTHER TANGIBLE PROPERTY - PC HARDWARE	5 - SQ	0	892,000.23	403,250	488,750	178,432	20.00	2.7
TOTAL GENERAL PLANT				16,947,027.16	7,619,262	8,375,111	786,135	4.64	
TOTAL DEPRECIABLE PLANT				783,790,634.37	235,824,332	755,791,885	18,032,865	2.30	

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

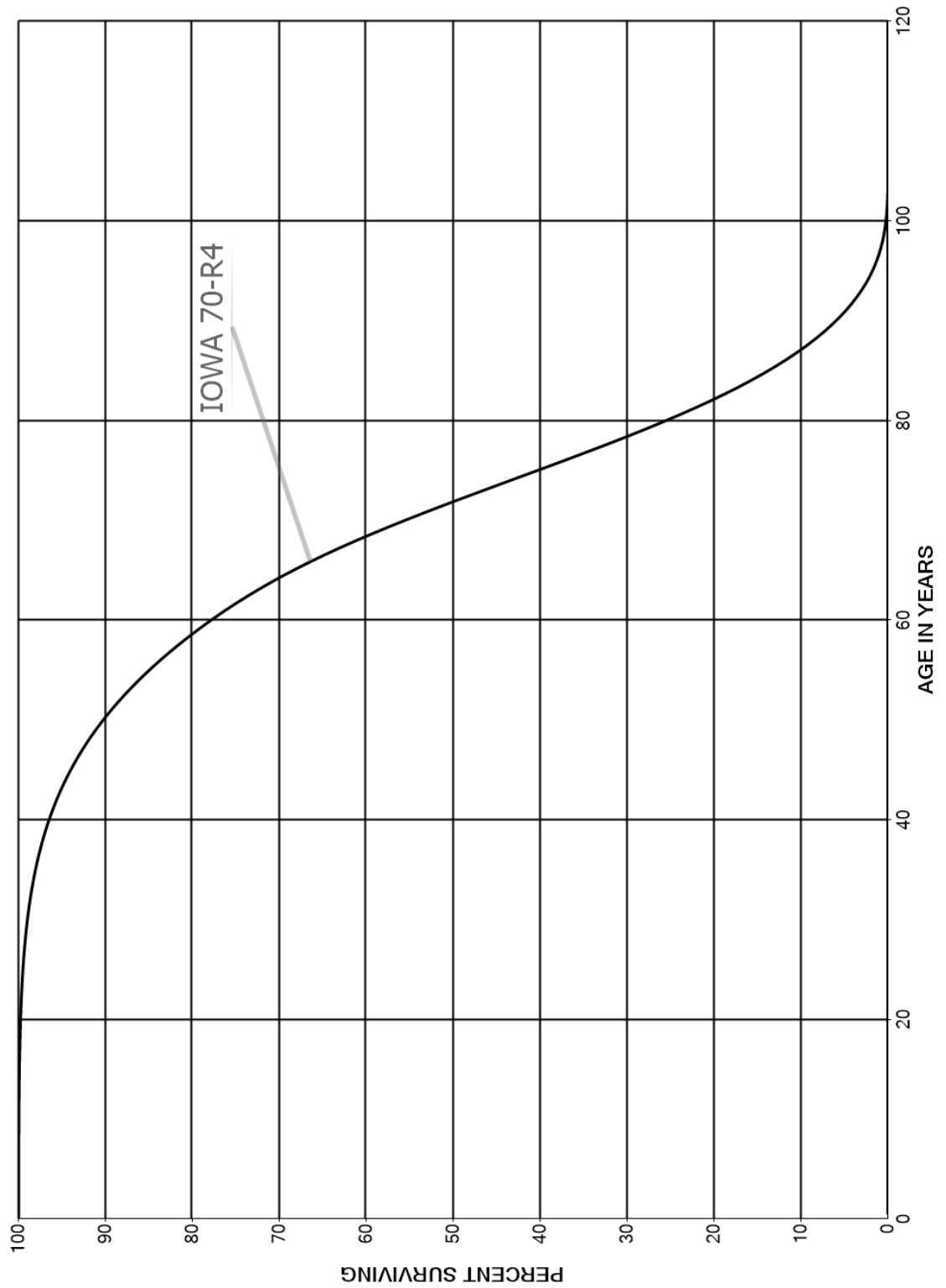
SUMMARY OF ESTIMATED SURVIVOR CURVE, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND
CALCULATED ANNUAL DEPRECIATION RATES RELATED TO GAS PLANT AS OF SEPTEMBER 30, 2022

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST AS OF SEPTEMBER 30, 2022 (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL AMOUNT (7)	COMPOSITE REMAINING LIFE (8)=(7)/(4) (9)=(6)/(7)
NONDEPRECIABLE PLANT AND ACCOUNTS NOT STUDIED							
302.00 FRANCHISES AND CONSENTS			241,284.22	241,284			
365.10 LAND AND LAND RIGHTS			729,628.74				
374.00 LAND AND LAND RIGHTS			6,559,336.60				
389.00 LAND AND LAND RIGHTS			2,238,964.90				
TOTAL NONDEPRECIABLE PLANT AND ACCOUNTS NOT STUDIED			9,769,214.46	241,284			
TOTAL GAS PLANT			793,559,848.83	236,065,616			

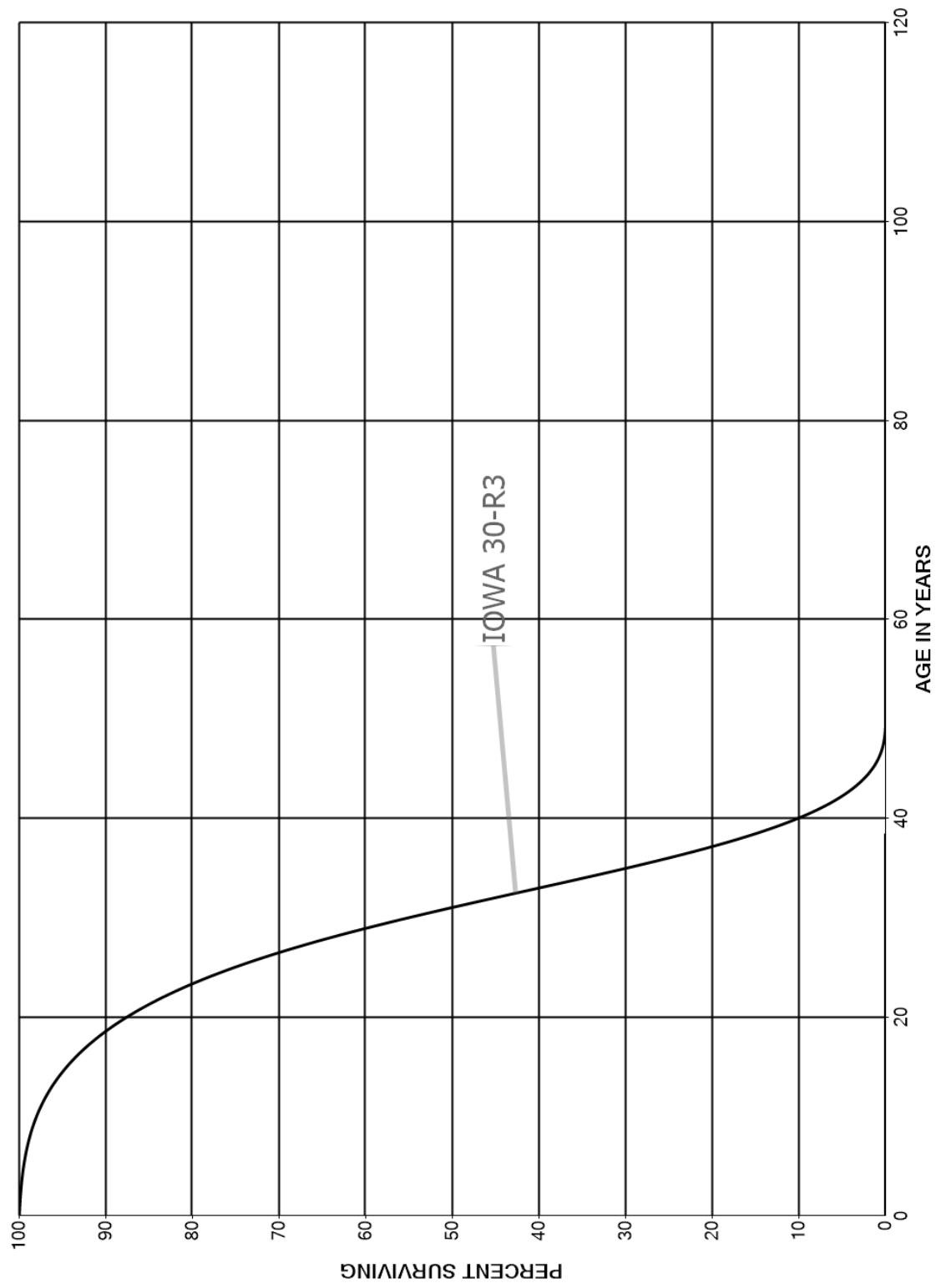
* NEW ADDITIONS TO THIS ACCOUNT WILL UTILIZE A DEPRECIATION RATE OF 4.00%

PART VII. SERVICE LIFE STATISTICS

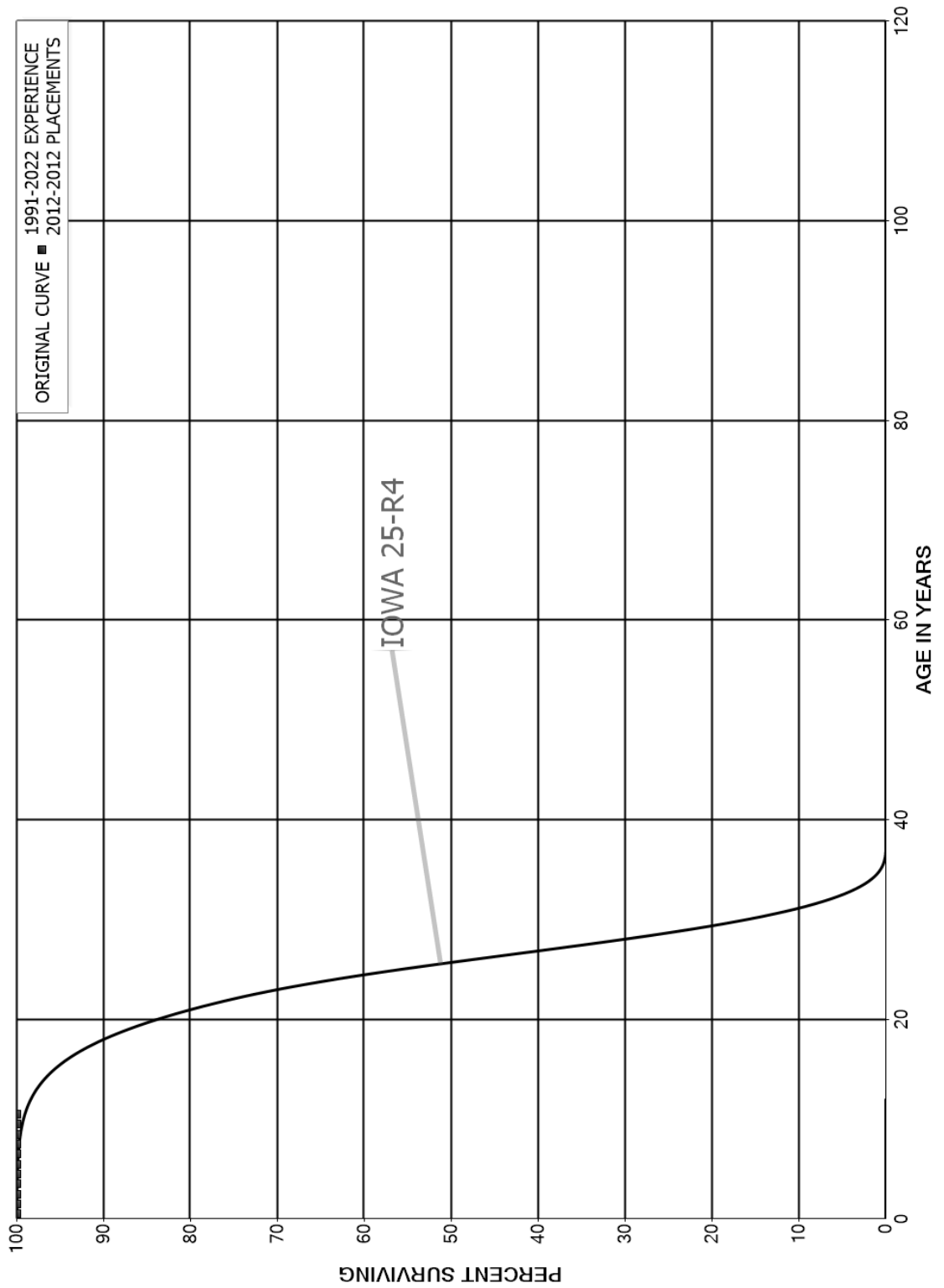
ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 365.20 RIGHTS OF WAY
 SMOOTH SURVIVOR CURVE



ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 366.00 STRUCTURES AND IMPROVEMENTS
 SMOOTH SURVIVOR CURVE



ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 367.00 MAINS - CATHODIC PROTECTION
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 367.00 MAINS - CATHODIC PROTECTION

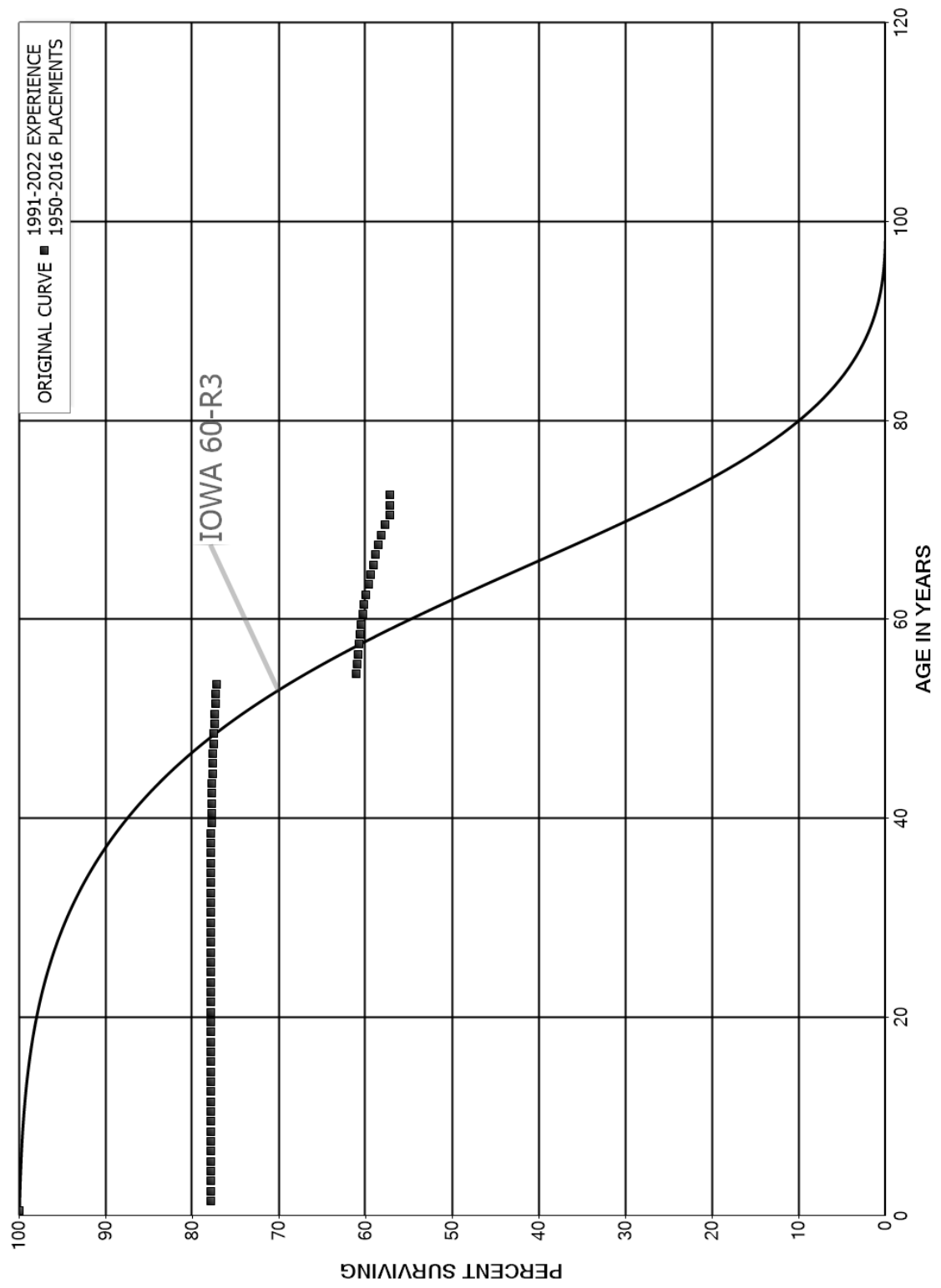
ORIGINAL LIFE TABLE

PLACEMENT BAND 2012-2012

EXPERIENCE BAND 1991-2022

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	91,687		0.0000	1.0000	100.00
0.5	91,687		0.0000	1.0000	100.00
1.5	91,687		0.0000	1.0000	100.00
2.5	91,687		0.0000	1.0000	100.00
3.5	91,687		0.0000	1.0000	100.00
4.5	91,687		0.0000	1.0000	100.00
5.5	91,687		0.0000	1.0000	100.00
6.5	91,687		0.0000	1.0000	100.00
7.5	91,687		0.0000	1.0000	100.00
8.5	91,687		0.0000	1.0000	100.00
9.5	91,687		0.0000	1.0000	100.00
10.5					100.00

ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 367.01 MAINS - STEEL
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 367.01 MAINS - STEEL

ORIGINAL LIFE TABLE

PLACEMENT BAND 1950-2016

EXPERIENCE BAND 1991-2022

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	3,939,765		0.0000	1.0000	100.00
0.5	4,235,930	937,795	0.2214	0.7786	100.00
1.5	3,594,234		0.0000	1.0000	77.86
2.5	3,890,230		0.0000	1.0000	77.86
3.5	4,186,076		0.0000	1.0000	77.86
4.5	4,481,703		0.0000	1.0000	77.86
5.5	4,777,019		0.0000	1.0000	77.86
6.5	5,071,904		0.0000	1.0000	77.86
7.5	4,872,391		0.0000	1.0000	77.86
8.5	5,165,927		0.0000	1.0000	77.86
9.5	5,367,315		0.0000	1.0000	77.86
10.5	5,658,546		0.0000	1.0000	77.86
11.5	5,901,120		0.0000	1.0000	77.86
12.5	6,188,697		0.0000	1.0000	77.86
13.5	6,473,807		0.0000	1.0000	77.86
14.5	6,755,951		0.0000	1.0000	77.86
15.5	7,034,540		0.0000	1.0000	77.86
16.5	7,308,964		0.0000	1.0000	77.86
17.5	7,578,568		0.0000	1.0000	77.86
18.5	7,842,661		0.0000	1.0000	77.86
19.5	8,100,528		0.0000	1.0000	77.86
20.5	8,351,414		0.0000	1.0000	77.86
21.5	8,594,565		0.0000	1.0000	77.86
22.5	8,829,262		0.0000	1.0000	77.86
23.5	9,054,815		0.0000	1.0000	77.86
24.5	8,974,312		0.0000	1.0000	77.86
25.5	8,883,427		0.0000	1.0000	77.86
26.5	8,781,619	55	0.0000	1.0000	77.86
27.5	8,668,412	197	0.0000	1.0000	77.86
28.5	8,543,395	244	0.0000	1.0000	77.86
29.5	8,406,496	295	0.0000	1.0000	77.86
30.5	8,935,500	343	0.0000	1.0000	77.85
31.5	8,774,664	422	0.0000	1.0000	77.85
32.5	8,601,940	521	0.0001	0.9999	77.85
33.5	8,417,558	636	0.0001	0.9999	77.84
34.5	8,221,895	913	0.0001	0.9999	77.84
35.5	8,015,305	1,107	0.0001	0.9999	77.83
36.5	7,798,455	1,262	0.0002	0.9998	77.82
37.5	7,572,107	1,484	0.0002	0.9998	77.80
38.5	7,336,967	1,605	0.0002	0.9998	77.79

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 367.01 MAINS - STEEL

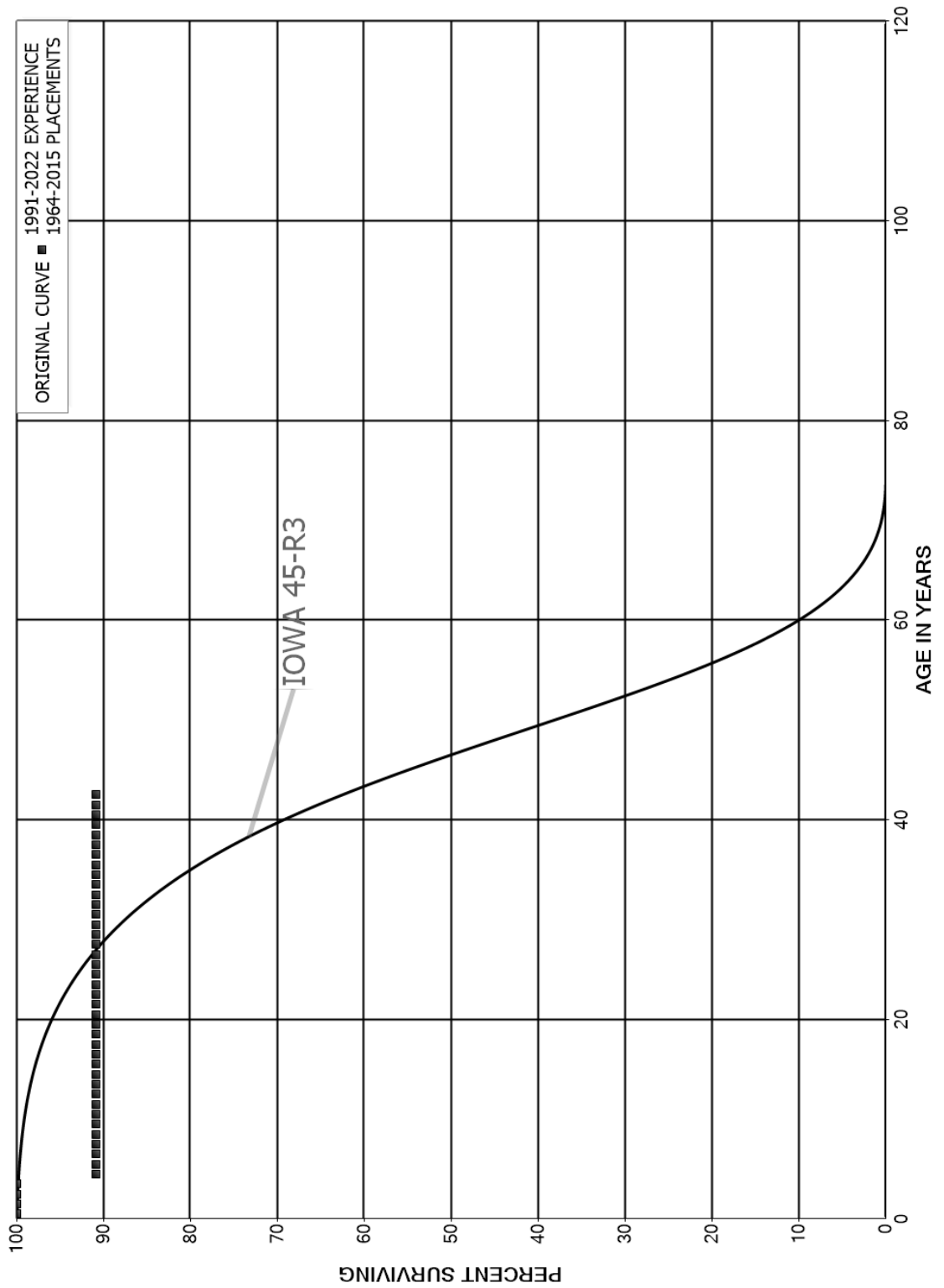
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1950-2016

EXPERIENCE BAND 1991-2022

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	7,094,001	1,772	0.0002	0.9998	77.77
40.5	6,844,097	1,900	0.0003	0.9997	77.75
41.5	6,550,545	2,040	0.0003	0.9997	77.73
42.5	6,258,433	2,178	0.0003	0.9997	77.71
43.5	5,968,038	2,323	0.0004	0.9996	77.68
44.5	5,679,696	2,481	0.0004	0.9996	77.65
45.5	5,393,887	2,636	0.0005	0.9995	77.62
46.5	5,111,024	2,788	0.0005	0.9995	77.58
47.5	4,831,753	2,924	0.0006	0.9994	77.54
48.5	4,556,649	3,041	0.0007	0.9993	77.49
49.5	4,286,412	3,176	0.0007	0.9993	77.44
50.5	4,021,695	3,298	0.0008	0.9992	77.38
51.5	3,763,221	3,383	0.0009	0.9991	77.32
52.5	3,511,803	3,470	0.0010	0.9990	77.25
53.5	3,268,189	681,386	0.2085	0.7915	77.17
54.5	2,355,260	3,611	0.0015	0.9985	61.08
55.5	2,129,392	3,677	0.0017	0.9983	60.99
56.5	1,913,381	3,720	0.0019	0.9981	60.88
57.5	1,707,847	3,749	0.0022	0.9978	60.76
58.5	1,513,348	3,750	0.0025	0.9975	60.63
59.5	1,330,306	3,712	0.0028	0.9972	60.48
60.5	1,159,083	3,657	0.0032	0.9968	60.31
61.5	999,880	3,568	0.0036	0.9964	60.12
62.5	852,803	3,439	0.0040	0.9960	59.91
63.5	717,863	3,286	0.0046	0.9954	59.66
64.5	594,924	3,104	0.0052	0.9948	59.39
65.5	483,727	2,034	0.0042	0.9958	59.08
66.5	384,786	1,864	0.0048	0.9952	58.83
67.5	296,730	1,738	0.0059	0.9941	58.55
68.5	218,965	1,607	0.0073	0.9927	58.21
69.5	150,841	1,446	0.0096	0.9904	57.78
70.5	91,711		0.0000	1.0000	57.22
71.5	42,157		0.0000	1.0000	57.22
72.5					57.22

ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 369.00 MEASURING AND REGULATING STATION EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 369.00 MEASURING AND REGULATING STATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1964-2015

EXPERIENCE BAND 1991-2022

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	226,504		0.0000	1.0000	100.00
0.5	226,504		0.0000	1.0000	100.00
1.5	226,504		0.0000	1.0000	100.00
2.5	249,490		0.0000	1.0000	100.00
3.5	249,490	22,981	0.0921	0.9079	100.00
4.5	226,509		0.0000	1.0000	90.79
5.5	226,509		0.0000	1.0000	90.79
6.5	226,509		0.0000	1.0000	90.79
7.5	164,844		0.0000	1.0000	90.79
8.5	1,434,685		0.0000	1.0000	90.79
9.5	1,438,058		0.0000	1.0000	90.79
10.5	1,622,305		0.0000	1.0000	90.79
11.5	1,622,305		0.0000	1.0000	90.79
12.5	1,622,305		0.0000	1.0000	90.79
13.5	1,622,305		0.0000	1.0000	90.79
14.5	1,622,305		0.0000	1.0000	90.79
15.5	1,622,305		0.0000	1.0000	90.79
16.5	1,622,305		0.0000	1.0000	90.79
17.5	1,622,305		0.0000	1.0000	90.79
18.5	1,622,305		0.0000	1.0000	90.79
19.5	1,622,305		0.0000	1.0000	90.79
20.5	1,622,305		0.0000	1.0000	90.79
21.5	1,622,305		0.0000	1.0000	90.79
22.5	1,628,550		0.0000	1.0000	90.79
23.5	1,628,650		0.0000	1.0000	90.79
24.5	1,593,834		0.0000	1.0000	90.79
25.5	1,593,642		0.0000	1.0000	90.79
26.5	1,594,030		0.0000	1.0000	90.79
27.5	1,594,030		0.0000	1.0000	90.79
28.5	1,594,030		0.0000	1.0000	90.79
29.5	1,594,030		0.0000	1.0000	90.79
30.5	1,487,333		0.0000	1.0000	90.79
31.5	1,487,333		0.0000	1.0000	90.79
32.5	1,487,333		0.0000	1.0000	90.79
33.5	1,487,333		0.0000	1.0000	90.79
34.5	1,464,347		0.0000	1.0000	90.79
35.5	1,464,347		0.0000	1.0000	90.79
36.5	1,464,347		0.0000	1.0000	90.79
37.5	1,464,347		0.0000	1.0000	90.79
38.5	1,464,347		0.0000	1.0000	90.79



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 369.00 MEASURING AND REGULATING STATION EQUIPMENT

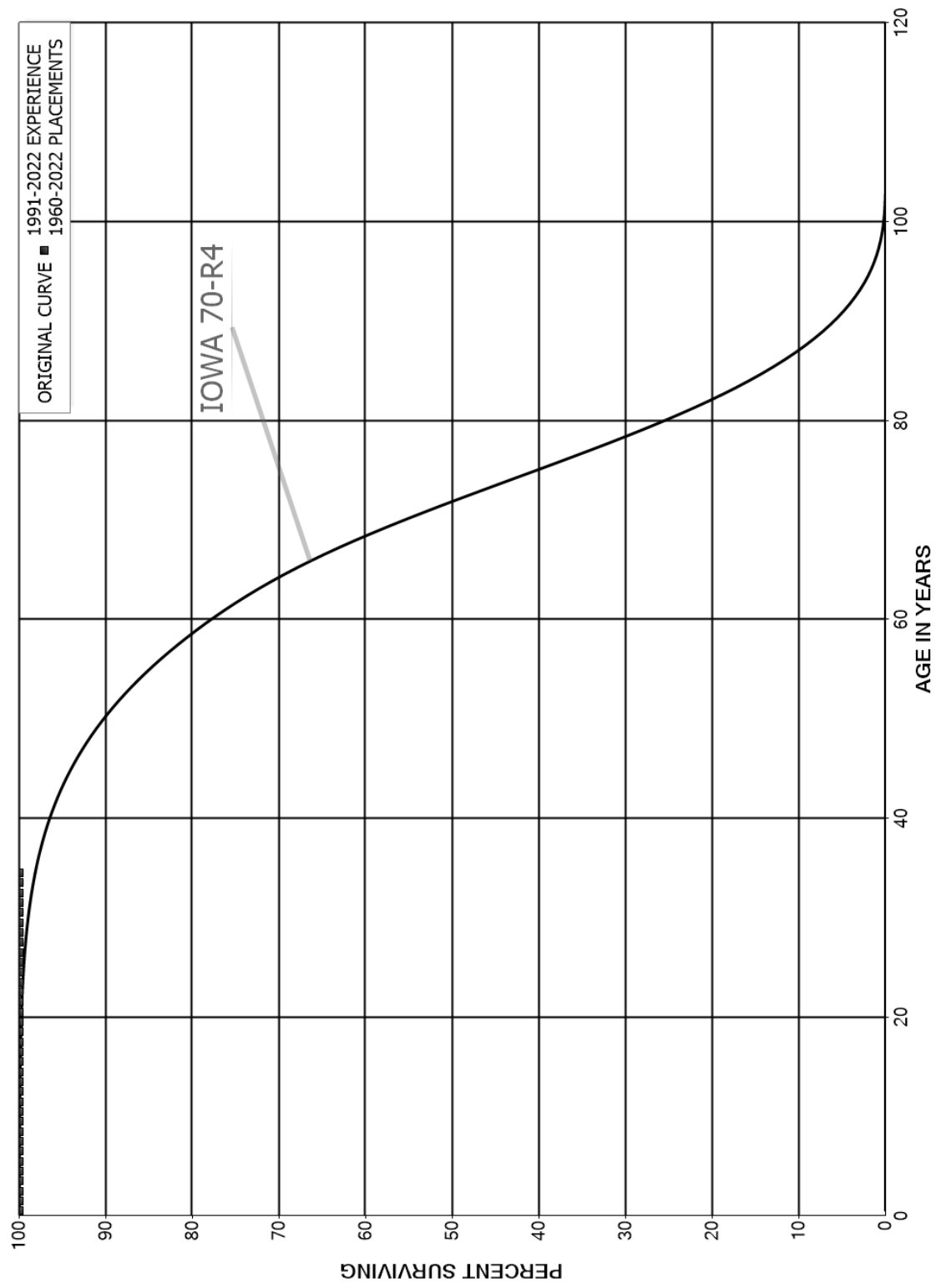
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1964-2015

EXPERIENCE BAND 1991-2022

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	1,464,347		0.0000	1.0000	90.79
40.5	194,506		0.0000	1.0000	90.79
41.5	191,132		0.0000	1.0000	90.79
42.5	6,885		0.0000	1.0000	90.79
43.5	6,885		0.0000	1.0000	90.79
44.5	6,885		0.0000	1.0000	90.79
45.5	6,885		0.0000	1.0000	90.79
46.5	6,885		0.0000	1.0000	90.79
47.5	6,885		0.0000	1.0000	90.79
48.5	6,885		0.0000	1.0000	90.79
49.5	6,885		0.0000	1.0000	90.79
50.5	6,885		0.0000	1.0000	90.79
51.5	6,885		0.0000	1.0000	90.79
52.5	6,885		0.0000	1.0000	90.79
53.5	6,885		0.0000	1.0000	90.79
54.5	641		0.0000	1.0000	90.79
55.5	541		0.0000	1.0000	90.79
56.5	388		0.0000	1.0000	90.79
57.5	388		0.0000	1.0000	90.79
58.5					90.79

ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 374.02 LAND RIGHTS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 374.02 LAND RIGHTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1960-2022

EXPERIENCE BAND 1991-2022

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	4,640,345		0.0000	1.0000	100.00
0.5	4,238,455		0.0000	1.0000	100.00
1.5	4,062,785		0.0000	1.0000	100.00
2.5	3,912,271		0.0000	1.0000	100.00
3.5	1,666,467		0.0000	1.0000	100.00
4.5	1,121,347		0.0000	1.0000	100.00
5.5	1,059,734		0.0000	1.0000	100.00
6.5	875,337		0.0000	1.0000	100.00
7.5	817,754		0.0000	1.0000	100.00
8.5	814,737		0.0000	1.0000	100.00
9.5	817,552		0.0000	1.0000	100.00
10.5	681,056		0.0000	1.0000	100.00
11.5	665,121		0.0000	1.0000	100.00
12.5	665,166		0.0000	1.0000	100.00
13.5	665,166		0.0000	1.0000	100.00
14.5	665,166		0.0000	1.0000	100.00
15.5	665,166		0.0000	1.0000	100.00
16.5	611,885		0.0000	1.0000	100.00
17.5	542,463		0.0000	1.0000	100.00
18.5	511,664		0.0000	1.0000	100.00
19.5	414,856		0.0000	1.0000	100.00
20.5	359,034		0.0000	1.0000	100.00
21.5	330,279		0.0000	1.0000	100.00
22.5	195,936		0.0000	1.0000	100.00
23.5	191,541		0.0000	1.0000	100.00
24.5	185,579		0.0000	1.0000	100.00
25.5	182,377		0.0000	1.0000	100.00
26.5	182,951		0.0000	1.0000	100.00
27.5	166,974		0.0000	1.0000	100.00
28.5	164,091		0.0000	1.0000	100.00
29.5	164,091		0.0000	1.0000	100.00
30.5	143,769		0.0000	1.0000	100.00
31.5	141,189		0.0000	1.0000	100.00
32.5	90,620		0.0000	1.0000	100.00
33.5	85,345		0.0000	1.0000	100.00
34.5	37,431		0.0000	1.0000	100.00
35.5	37,298		0.0000	1.0000	100.00
36.5	35,724		0.0000	1.0000	100.00
37.5	33,374		0.0000	1.0000	100.00
38.5	20,275		0.0000	1.0000	100.00

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 374.02 LAND RIGHTS

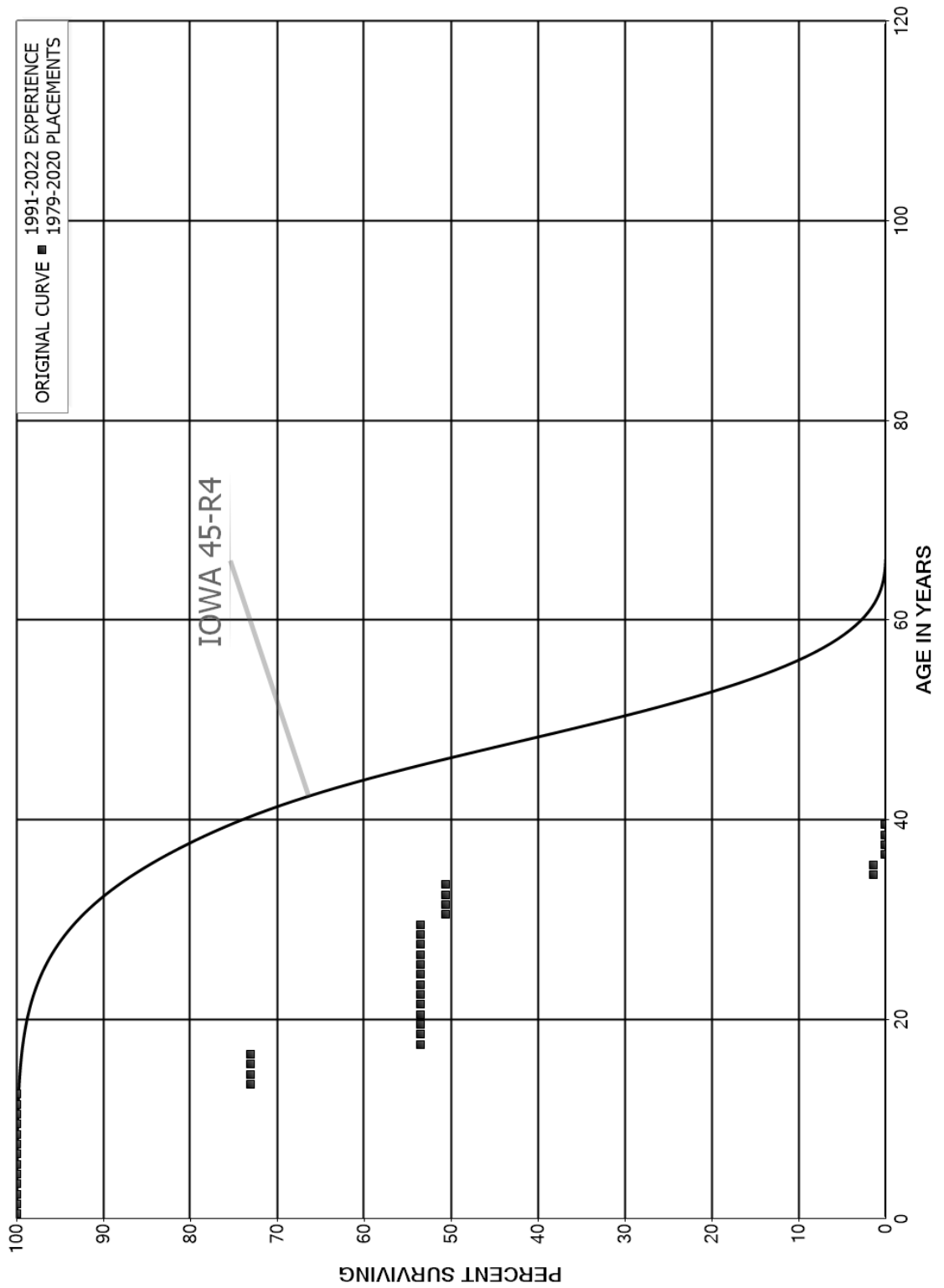
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1960-2022

EXPERIENCE BAND 1991-2022

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	11,775		0.0000	1.0000	100.00
40.5	11,775		0.0000	1.0000	100.00
41.5	8,960		0.0000	1.0000	100.00
42.5	2,528		0.0000	1.0000	100.00
43.5	2,528		0.0000	1.0000	100.00
44.5	2,483		0.0000	1.0000	100.00
45.5	2,483		0.0000	1.0000	100.00
46.5	2,483		0.0000	1.0000	100.00
47.5	2,483		0.0000	1.0000	100.00
48.5	2,483		0.0000	1.0000	100.00
49.5	2,483		0.0000	1.0000	100.00
50.5	2,483		0.0000	1.0000	100.00
51.5	2,483		0.0000	1.0000	100.00
52.5	1,329		0.0000	1.0000	100.00
53.5	616		0.0000	1.0000	100.00
54.5	616		0.0000	1.0000	100.00
55.5	616		0.0000	1.0000	100.00
56.5	606		0.0000	1.0000	100.00
57.5	589		0.0000	1.0000	100.00
58.5	15		0.0000	1.0000	100.00
59.5	15		0.0000	1.0000	100.00
60.5	15		0.0000	1.0000	100.00
61.5	15		0.0000	1.0000	100.00
62.5					100.00

ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 375.00 STRUCTURES AND IMPROVEMENTS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 375.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

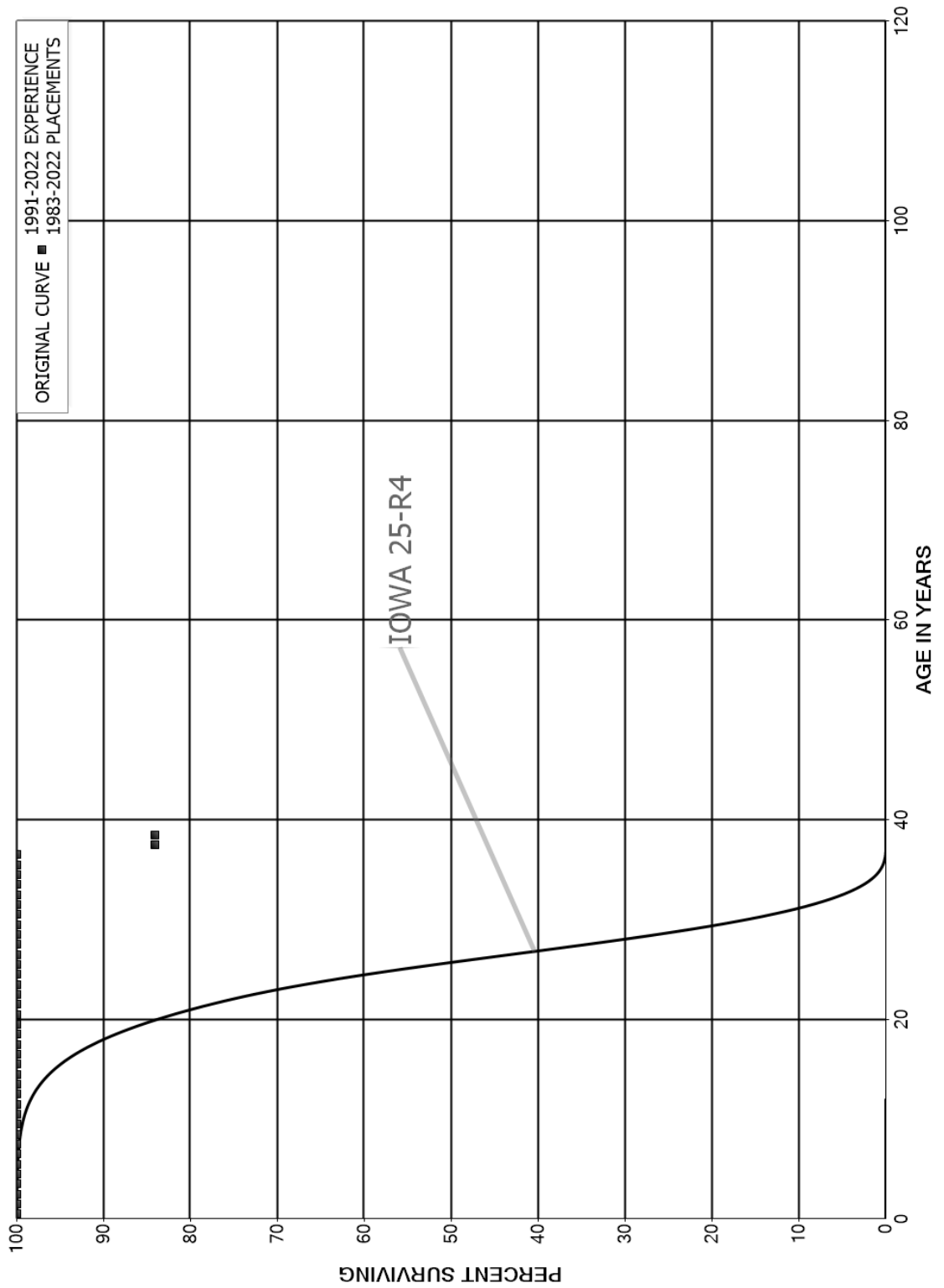
PLACEMENT BAND 1979-2020

EXPERIENCE BAND 1991-2022

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	627,367		0.0000	1.0000	100.00
0.5	628,968		0.0000	1.0000	100.00
1.5	628,968		0.0000	1.0000	100.00
2.5	624,979		0.0000	1.0000	100.00
3.5	623,782		0.0000	1.0000	100.00
4.5	623,782		0.0000	1.0000	100.00
5.5	588,677		0.0000	1.0000	100.00
6.5	588,677		0.0000	1.0000	100.00
7.5	343,388		0.0000	1.0000	100.00
8.5	343,388		0.0000	1.0000	100.00
9.5	612,433		0.0000	1.0000	100.00
10.5	608,644		0.0000	1.0000	100.00
11.5	614,964		0.0000	1.0000	100.00
12.5	614,964	165,687	0.2694	0.7306	100.00
13.5	449,277		0.0000	1.0000	73.06
14.5	449,277		0.0000	1.0000	73.06
15.5	449,277		0.0000	1.0000	73.06
16.5	449,277	120,055	0.2672	0.7328	73.06
17.5	329,222		0.0000	1.0000	53.54
18.5	329,222		0.0000	1.0000	53.54
19.5	324,556		0.0000	1.0000	53.54
20.5	294,325		0.0000	1.0000	53.54
21.5	294,325		0.0000	1.0000	53.54
22.5	294,325		0.0000	1.0000	53.54
23.5	294,325		0.0000	1.0000	53.54
24.5	294,325		0.0000	1.0000	53.54
25.5	294,325		0.0000	1.0000	53.54
26.5	294,325		0.0000	1.0000	53.54
27.5	294,325		0.0000	1.0000	53.54
28.5	294,325		0.0000	1.0000	53.54
29.5	294,325	16,050	0.0545	0.9455	53.54
30.5	278,275		0.0000	1.0000	50.62
31.5	278,275		0.0000	1.0000	50.62
32.5	276,674		0.0000	1.0000	50.62
33.5	276,674	269,045	0.9724	0.0276	50.62
34.5	7,629		0.0000	1.0000	1.40
35.5	6,791	6,320	0.9306	0.0694	1.40
36.5	471		0.0000	1.0000	0.10
37.5	471		0.0000	1.0000	0.10
38.5	471		0.0000	1.0000	0.10
39.5					0.10



ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 376.00 MAINS - CATHODIC PROTECTION
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.00 MAINS - CATHODIC PROTECTION

ORIGINAL LIFE TABLE

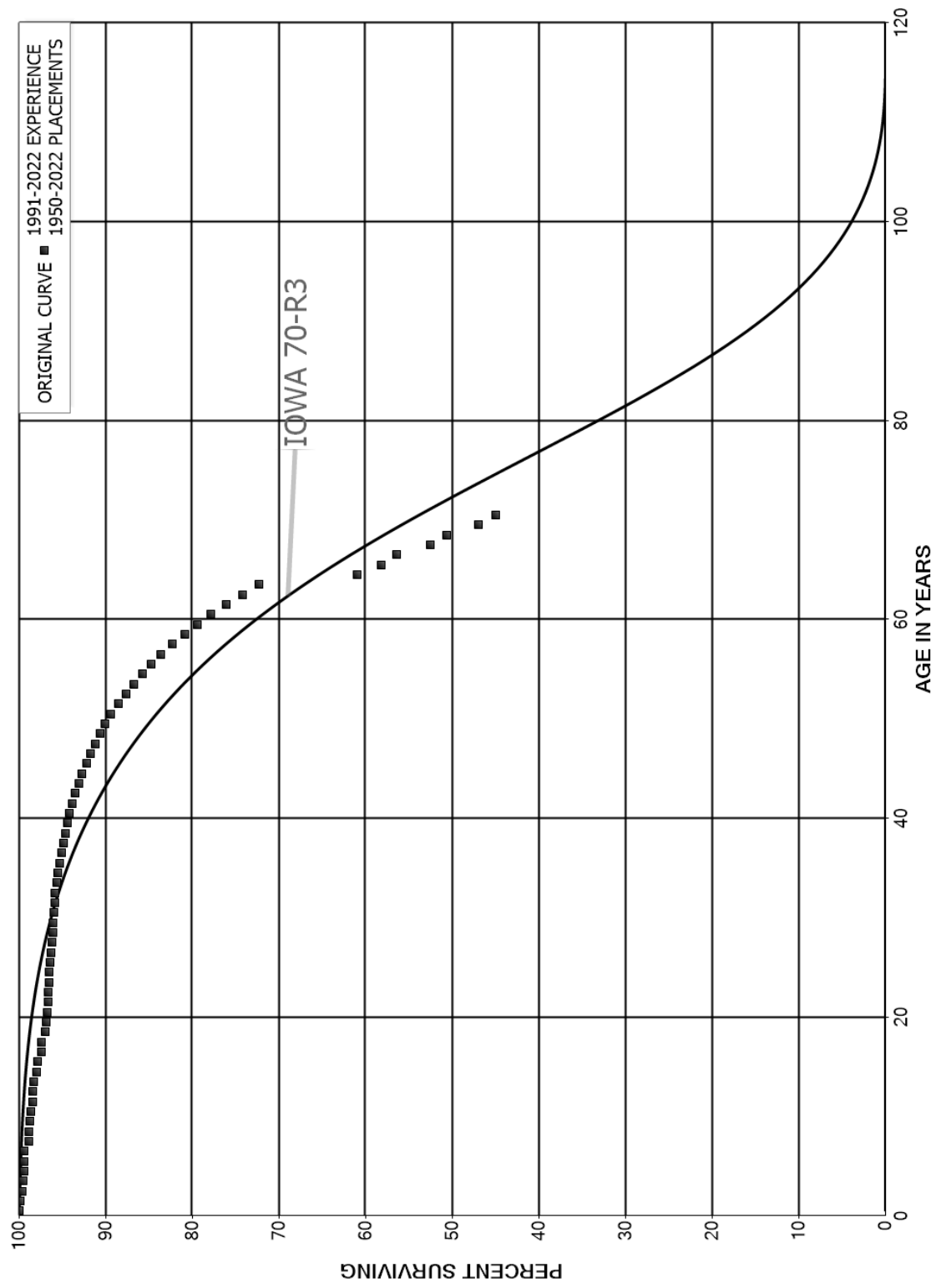
PLACEMENT BAND 1983-2022

EXPERIENCE BAND 1991-2022

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	3,661,212		0.0000	1.0000	100.00
0.5	3,525,633		0.0000	1.0000	100.00
1.5	3,295,544		0.0000	1.0000	100.00
2.5	3,157,927		0.0000	1.0000	100.00
3.5	2,743,059		0.0000	1.0000	100.00
4.5	2,464,271		0.0000	1.0000	100.00
5.5	2,291,046		0.0000	1.0000	100.00
6.5	2,230,512		0.0000	1.0000	100.00
7.5	2,151,165		0.0000	1.0000	100.00
8.5	2,026,256		0.0000	1.0000	100.00
9.5	1,889,998		0.0000	1.0000	100.00
10.5	1,679,762		0.0000	1.0000	100.00
11.5	1,352,480		0.0000	1.0000	100.00
12.5	757,327		0.0000	1.0000	100.00
13.5	278,341		0.0000	1.0000	100.00
14.5	169,757		0.0000	1.0000	100.00
15.5	162,463		0.0000	1.0000	100.00
16.5	161,804		0.0000	1.0000	100.00
17.5	153,193		0.0000	1.0000	100.00
18.5	144,084		0.0000	1.0000	100.00
19.5	142,240		0.0000	1.0000	100.00
20.5	142,011		0.0000	1.0000	100.00
21.5	141,964		0.0000	1.0000	100.00
22.5	141,964		0.0000	1.0000	100.00
23.5	103,186		0.0000	1.0000	100.00
24.5	60,933		0.0000	1.0000	100.00
25.5	60,933		0.0000	1.0000	100.00
26.5	60,933		0.0000	1.0000	100.00
27.5	60,933		0.0000	1.0000	100.00
28.5	60,933		0.0000	1.0000	100.00
29.5	60,933		0.0000	1.0000	100.00
30.5	60,933		0.0000	1.0000	100.00
31.5	60,933		0.0000	1.0000	100.00
32.5	60,933		0.0000	1.0000	100.00
33.5	22,128		0.0000	1.0000	100.00
34.5	22,128		0.0000	1.0000	100.00
35.5	22,128		0.0000	1.0000	100.00
36.5	22,128	3,520	0.1591	0.8409	100.00
37.5	18,608		0.0000	1.0000	84.09
38.5	98		0.0000	1.0000	84.09
39.5					84.09



ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 376.01 MAINS - STEEL
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.01 MAINS - STEEL

ORIGINAL LIFE TABLE

PLACEMENT BAND 1950-2022

EXPERIENCE BAND 1991-2022

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	108,549,004	62,207	0.0006	0.9994	100.00
0.5	101,715,374	74,284	0.0007	0.9993	99.94
1.5	94,335,769	202,508	0.0021	0.9979	99.87
2.5	77,661,391	155,011	0.0020	0.9980	99.66
3.5	71,839,757	41,242	0.0006	0.9994	99.46
4.5	60,609,639	1,942	0.0000	1.0000	99.40
5.5	55,882,520	1,629	0.0000	1.0000	99.40
6.5	51,688,579	262,409	0.0051	0.9949	99.39
7.5	49,422,603	24,908	0.0005	0.9995	98.89
8.5	38,196,551	28,954	0.0008	0.9992	98.84
9.5	38,400,235	52,734	0.0014	0.9986	98.76
10.5	38,400,377	71,002	0.0018	0.9982	98.63
11.5	38,337,003	16,279	0.0004	0.9996	98.45
12.5	38,450,686	51,074	0.0013	0.9987	98.40
13.5	37,563,685	127,916	0.0034	0.9966	98.27
14.5	35,409,619	50,249	0.0014	0.9986	97.94
15.5	26,697,340	107,896	0.0040	0.9960	97.80
16.5	25,860,649	9,333	0.0004	0.9996	97.40
17.5	24,847,787	117,509	0.0047	0.9953	97.37
18.5	23,504,075	4,995	0.0002	0.9998	96.91
19.5	21,118,820	35,126	0.0017	0.9983	96.89
20.5	19,680,851	14,783	0.0008	0.9992	96.73
21.5	19,685,808	14,260	0.0007	0.9993	96.65
22.5	19,723,437	7,481	0.0004	0.9996	96.58
23.5	19,371,116	10,720	0.0006	0.9994	96.55
24.5	19,204,080	16,193	0.0008	0.9992	96.49
25.5	19,008,672	19,578	0.0010	0.9990	96.41
26.5	18,780,473	22,634	0.0012	0.9988	96.31
27.5	18,536,503	15,747	0.0008	0.9992	96.20
28.5	18,266,276	12,079	0.0007	0.9993	96.12
29.5	17,976,288	15,788	0.0009	0.9991	96.05
30.5	17,660,958	15,552	0.0009	0.9991	95.97
31.5	17,319,642	18,280	0.0011	0.9989	95.88
32.5	16,951,438	28,911	0.0017	0.9983	95.78
33.5	16,541,368	26,239	0.0016	0.9984	95.62
34.5	16,112,233	35,283	0.0022	0.9978	95.47
35.5	15,660,825	34,702	0.0022	0.9978	95.26
36.5	15,182,806	28,135	0.0019	0.9981	95.05
37.5	14,697,531	34,012	0.0023	0.9977	94.87
38.5	14,181,737	32,915	0.0023	0.9977	94.65

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.01 MAINS - STEEL

ORIGINAL LIFE TABLE, CONT.

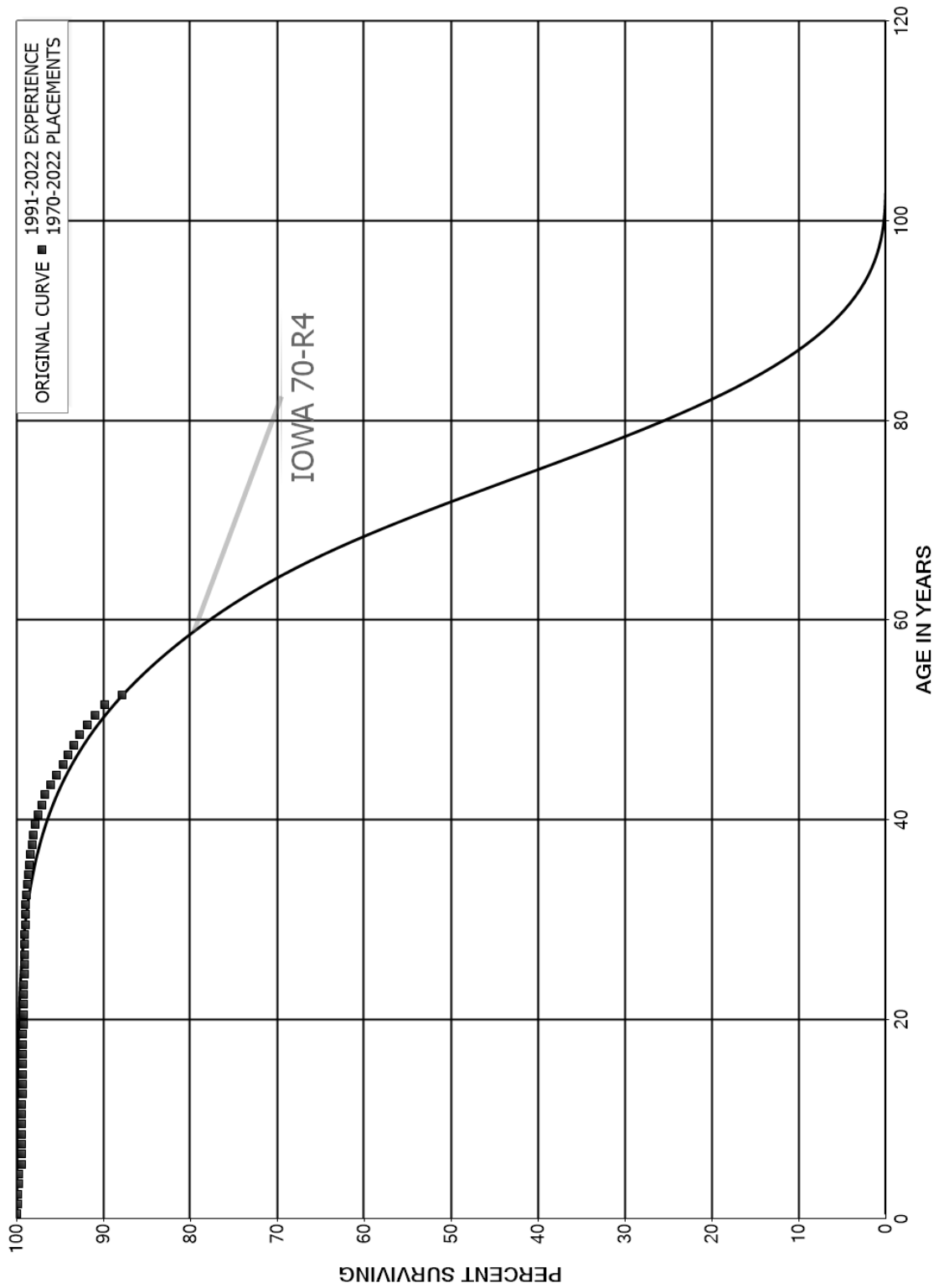
PLACEMENT BAND 1950-2022

EXPERIENCE BAND 1991-2022

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	13,660,477	38,880	0.0028	0.9972	94.43
40.5	13,389,004	47,431	0.0035	0.9965	94.16
41.5	12,740,896	49,913	0.0039	0.9961	93.83
42.5	12,096,433	49,888	0.0041	0.9959	93.46
43.5	11,458,598	47,631	0.0042	0.9958	93.08
44.5	10,831,393	59,372	0.0055	0.9945	92.69
45.5	10,199,259	49,782	0.0049	0.9951	92.18
46.5	9,592,916	55,287	0.0058	0.9942	91.73
47.5	8,988,197	55,849	0.0062	0.9938	91.20
48.5	8,392,874	53,402	0.0064	0.9936	90.64
49.5	7,811,758	62,321	0.0080	0.9920	90.06
50.5	7,230,165	64,378	0.0089	0.9911	89.34
51.5	6,663,508	70,750	0.0106	0.9894	88.55
52.5	6,106,842	61,699	0.0101	0.9899	87.61
53.5	5,590,103	64,423	0.0115	0.9885	86.72
54.5	5,078,023	60,183	0.0119	0.9881	85.72
55.5	4,601,026	59,369	0.0129	0.9871	84.70
56.5	4,141,261	64,278	0.0155	0.9845	83.61
57.5	3,702,773	68,758	0.0186	0.9814	82.31
58.5	3,281,538	58,441	0.0178	0.9822	80.79
59.5	2,897,555	55,746	0.0192	0.9808	79.35
60.5	2,537,579	58,517	0.0231	0.9769	77.82
61.5	2,198,763	52,502	0.0239	0.9761	76.03
62.5	1,891,617	48,494	0.0256	0.9744	74.21
63.5	1,616,397	253,171	0.1566	0.8434	72.31
64.5	1,163,488	53,849	0.0463	0.9537	60.98
65.5	926,615	27,316	0.0295	0.9705	58.16
66.5	737,214	51,874	0.0704	0.9296	56.45
67.5	542,370	19,417	0.0358	0.9642	52.47
68.5	398,702	28,585	0.0717	0.9283	50.60
69.5	263,271	11,456	0.0435	0.9565	46.97
70.5	161,796	7,697	0.0476	0.9524	44.92
71.5	79,072	5,149	0.0651	0.9349	42.79
72.5					40.00



ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 376.02 MAINS - PLASTIC
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.02 MAINS - PLASTIC

ORIGINAL LIFE TABLE

PLACEMENT BAND 1970-2022

EXPERIENCE BAND 1991-2022

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	252,517,900	174,174	0.0007	0.9993	100.00
0.5	228,864,022	186,995	0.0008	0.9992	99.93
1.5	211,959,959	108,993	0.0005	0.9995	99.85
2.5	190,280,436	143,336	0.0008	0.9992	99.80
3.5	170,309,432	3,732	0.0000	1.0000	99.72
4.5	161,109,605	458,261	0.0028	0.9972	99.72
5.5	146,978,367	7,364	0.0001	0.9999	99.44
6.5	134,840,135	23,428	0.0002	0.9998	99.43
7.5	128,219,799	7,050	0.0001	0.9999	99.41
8.5	122,557,208	52,434	0.0004	0.9996	99.41
9.5	114,916,305	7,171	0.0001	0.9999	99.37
10.5	110,895,645	21,558	0.0002	0.9998	99.36
11.5	108,806,221	16,772	0.0002	0.9998	99.34
12.5	107,563,029	9,294	0.0001	0.9999	99.33
13.5	104,500,878	10,788	0.0001	0.9999	99.32
14.5	101,404,258	12,524	0.0001	0.9999	99.31
15.5	98,672,015	14,990	0.0002	0.9998	99.29
16.5	94,130,830	4,571	0.0000	1.0000	99.28
17.5	92,475,762	3,877	0.0000	1.0000	99.27
18.5	91,752,464	72,520	0.0008	0.9992	99.27
19.5	89,584,363	18,194	0.0002	0.9998	99.19
20.5	89,807,366	10,857	0.0001	0.9999	99.17
21.5	87,681,932	9,827	0.0001	0.9999	99.16
22.5	85,303,575	23,769	0.0003	0.9997	99.15
23.5	79,843,910	9,093	0.0001	0.9999	99.12
24.5	77,006,773	10,790	0.0001	0.9999	99.11
25.5	74,171,203	12,766	0.0002	0.9998	99.10
26.5	71,334,999	15,521	0.0002	0.9998	99.08
27.5	68,497,298	16,804	0.0002	0.9998	99.06
28.5	65,660,086	21,094	0.0003	0.9997	99.03
29.5	62,819,768	24,400	0.0004	0.9996	99.00
30.5	59,979,377	28,709	0.0005	0.9995	98.96
31.5	57,137,747	33,491	0.0006	0.9994	98.92
32.5	54,294,524	54,360	0.0010	0.9990	98.86
33.5	51,433,720	59,618	0.0012	0.9988	98.76
34.5	48,587,211	52,453	0.0011	0.9989	98.64
35.5	45,752,133	60,235	0.0013	0.9987	98.54
36.5	42,901,722	84,461	0.0020	0.9980	98.41
37.5	40,035,539	79,234	0.0020	0.9980	98.21
38.5	37,198,589	89,977	0.0024	0.9976	98.02

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.02 MAINS - PLASTIC

ORIGINAL LIFE TABLE, CONT.

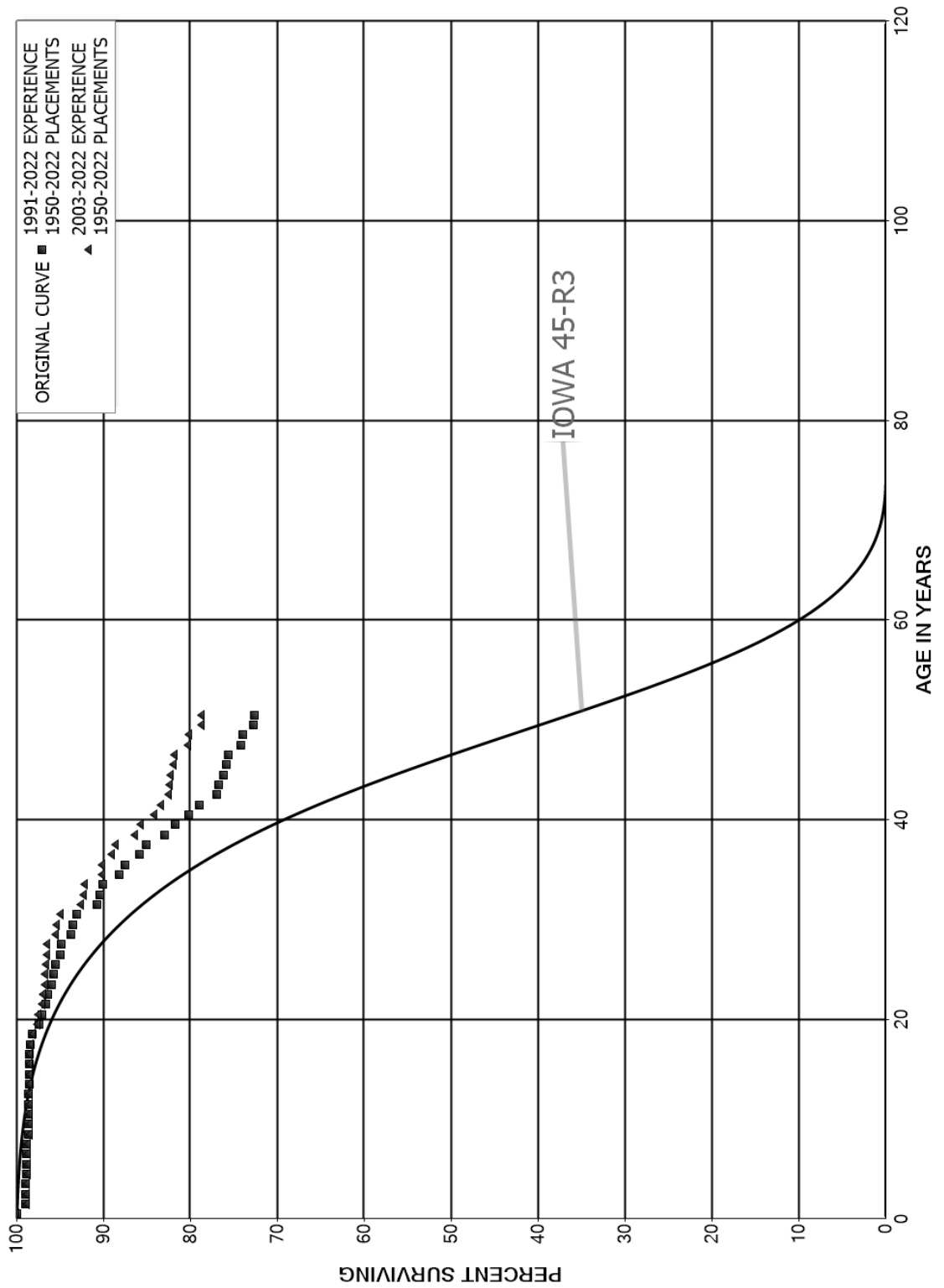
PLACEMENT BAND 1970-2022

EXPERIENCE BAND 1991-2022

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	34,348,739	115,873	0.0034	0.9966	97.78
40.5	31,487,022	113,751	0.0036	0.9964	97.45
41.5	28,659,200	126,908	0.0044	0.9956	97.10
42.5	25,824,626	154,333	0.0060	0.9940	96.67
43.5	22,987,759	153,933	0.0067	0.9933	96.09
44.5	20,194,183	168,472	0.0083	0.9917	95.45
45.5	17,406,750	101,475	0.0058	0.9942	94.65
46.5	14,726,645	105,229	0.0071	0.9929	94.10
47.5	12,089,250	92,300	0.0076	0.9924	93.43
48.5	9,517,869	89,517	0.0094	0.9906	92.72
49.5	7,008,343	70,258	0.0100	0.9900	91.84
50.5	4,584,081	55,992	0.0122	0.9878	90.92
51.5	2,246,956	49,657	0.0221	0.9779	89.81
52.5					87.83



ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 378.00 MEASURING AND REGULATING STATION EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 378.00 MEASURING AND REGULATING STATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1950-2022

EXPERIENCE BAND 1991-2022

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	22,453,471	2,280	0.0001	0.9999	100.00
0.5	19,068,412	206,924	0.0109	0.9891	99.99
1.5	18,251,196	394	0.0000	1.0000	98.90
2.5	14,752,651	548	0.0000	1.0000	98.90
3.5	14,505,982	7,298	0.0005	0.9995	98.90
4.5	10,687,736	639	0.0001	0.9999	98.85
5.5	9,526,929	3,394	0.0004	0.9996	98.84
6.5	8,678,663	782	0.0001	0.9999	98.81
7.5	7,895,372	12,759	0.0016	0.9984	98.80
8.5	7,063,097	1,189	0.0002	0.9998	98.64
9.5	6,748,523	975	0.0001	0.9999	98.62
10.5	6,686,637	1,256	0.0002	0.9998	98.61
11.5	6,574,181	1,064	0.0002	0.9998	98.59
12.5	6,352,582	1,276	0.0002	0.9998	98.57
13.5	5,670,338	1,108	0.0002	0.9998	98.55
14.5	5,538,968	1,508	0.0003	0.9997	98.54
15.5	5,193,139	1,870	0.0004	0.9996	98.51
16.5	5,202,856	2,893	0.0006	0.9994	98.47
17.5	5,038,535	12,043	0.0024	0.9976	98.42
18.5	5,573,386	44,109	0.0079	0.9921	98.18
19.5	5,392,822	16,053	0.0030	0.9970	97.41
20.5	5,334,386	29,228	0.0055	0.9945	97.12
21.5	5,301,660	10,623	0.0020	0.9980	96.58
22.5	5,280,646	22,655	0.0043	0.9957	96.39
23.5	5,330,782	12,122	0.0023	0.9977	95.98
24.5	4,908,027	14,563	0.0030	0.9970	95.76
25.5	4,509,870	22,375	0.0050	0.9950	95.47
26.5	4,471,056	10,053	0.0022	0.9978	95.00
27.5	3,577,040	39,193	0.0110	0.9890	94.79
28.5	3,469,138	10,459	0.0030	0.9970	93.75
29.5	3,379,188	14,486	0.0043	0.9957	93.47
30.5	3,241,590	79,925	0.0247	0.9753	93.07
31.5	2,972,519	13,403	0.0045	0.9955	90.77
32.5	2,646,180	7,381	0.0028	0.9972	90.36
33.5	1,879,458	39,548	0.0210	0.9790	90.11
34.5	1,885,081	14,810	0.0079	0.9921	88.21
35.5	1,693,123	33,487	0.0198	0.9802	87.52
36.5	1,483,925	12,414	0.0084	0.9916	85.79
37.5	1,319,732	32,028	0.0243	0.9757	85.07
38.5	1,284,510	19,127	0.0149	0.9851	83.01



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 378.00 MEASURING AND REGULATING STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1950-2022

EXPERIENCE BAND 1991-2022

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	1,242,501	24,851	0.0200	0.9800	81.77
40.5	1,232,017	17,721	0.0144	0.9856	80.14
41.5	1,168,555	29,817	0.0255	0.9745	78.98
42.5	1,112,451	3,162	0.0028	0.9972	76.97
43.5	1,089,620	7,450	0.0068	0.9932	76.75
44.5	1,060,948	6,009	0.0057	0.9943	76.22
45.5	1,048,266	2,124	0.0020	0.9980	75.79
46.5	1,041,695	19,782	0.0190	0.9810	75.64
47.5	991,429	2,782	0.0028	0.9972	74.20
48.5	945,756	16,372	0.0173	0.9827	73.99
49.5	919,454	828	0.0009	0.9991	72.71
50.5	378,435	115	0.0003	0.9997	72.65
51.5	365,208	7,436	0.0204	0.9796	72.63
52.5	340,633	38	0.0001	0.9999	71.15
53.5	321,466	236	0.0007	0.9993	71.14
54.5	318,308	246	0.0008	0.9992	71.09
55.5	259,988	113	0.0004	0.9996	71.03
56.5	231,382	17	0.0001	0.9999	71.00
57.5	199,388	47	0.0002	0.9998	71.00
58.5	166,190	0	0.0000	1.0000	70.98
59.5	151,634	0	0.0000	1.0000	70.98
60.5	151,634	288	0.0019	0.9981	70.98
61.5	150,979		0.0000	1.0000	70.84
62.5	150,979	4,497	0.0298	0.9702	70.84
63.5	146,482		0.0000	1.0000	68.73
64.5	146,482		0.0000	1.0000	68.73
65.5	146,482	22,047	0.1505	0.8495	68.73
66.5	3,451		0.0000	1.0000	58.39
67.5	3,451		0.0000	1.0000	58.39
68.5	3,451		0.0000	1.0000	58.39
69.5	3,451		0.0000	1.0000	58.39
70.5	3,451		0.0000	1.0000	58.39
71.5	3,451		0.0000	1.0000	58.39
72.5					58.39



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 378.00 MEASURING AND REGULATING STATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1950-2022

EXPERIENCE BAND 2003-2022

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	19,949,839	2,218	0.0001	0.9999	100.00
0.5	16,232,650	206,754	0.0127	0.9873	99.99
1.5	14,652,049	13	0.0000	1.0000	98.72
2.5	11,001,565	17	0.0000	1.0000	98.72
3.5	10,610,648	6,898	0.0007	0.9993	98.72
4.5	7,072,168	40	0.0000	1.0000	98.65
5.5	6,188,248	2,593	0.0004	0.9996	98.65
6.5	5,366,051	46	0.0000	1.0000	98.61
7.5	5,456,435	11,925	0.0022	0.9978	98.61
8.5	4,652,859	44	0.0000	1.0000	98.39
9.5	4,365,086	33	0.0000	1.0000	98.39
10.5	4,393,669	48	0.0000	1.0000	98.39
11.5	4,447,612	99	0.0000	1.0000	98.39
12.5	4,599,464	228	0.0000	1.0000	98.39
13.5	4,700,119	306	0.0001	0.9999	98.38
14.5	4,730,532	741	0.0002	0.9998	98.38
15.5	4,546,361	895	0.0002	0.9998	98.36
16.5	4,662,876	879	0.0002	0.9998	98.34
17.5	4,662,930	10,120	0.0022	0.9978	98.32
18.5	4,576,469	30,248	0.0066	0.9934	98.11
19.5	4,427,653	795	0.0002	0.9998	97.46
20.5	4,403,576	21,509	0.0049	0.9951	97.44
21.5	4,407,834	4,699	0.0011	0.9989	96.97
22.5	4,424,262	11,018	0.0025	0.9975	96.86
23.5	4,423,675	2,515	0.0006	0.9994	96.62
24.5	3,993,973	3,856	0.0010	0.9990	96.57
25.5	3,569,433	1,777	0.0005	0.9995	96.48
26.5	3,509,325	3,133	0.0009	0.9991	96.43
27.5	2,633,180	24,971	0.0095	0.9905	96.34
28.5	2,605,546	4,780	0.0018	0.9982	95.43
29.5	2,531,161	10,212	0.0040	0.9960	95.25
30.5	2,983,585	73,581	0.0247	0.9753	94.87
31.5	2,734,712	9,856	0.0036	0.9964	92.53
32.5	2,422,984	2,842	0.0012	0.9988	92.19
33.5	1,681,034	36,043	0.0214	0.9786	92.09
34.5	1,496,488	562	0.0004	0.9996	90.11
35.5	1,387,760	17,355	0.0125	0.9875	90.08
36.5	1,224,595	5,414	0.0044	0.9956	88.95
37.5	1,100,811	27,925	0.0254	0.9746	88.56
38.5	1,104,161	8,545	0.0077	0.9923	86.31



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 378.00 MEASURING AND REGULATING STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

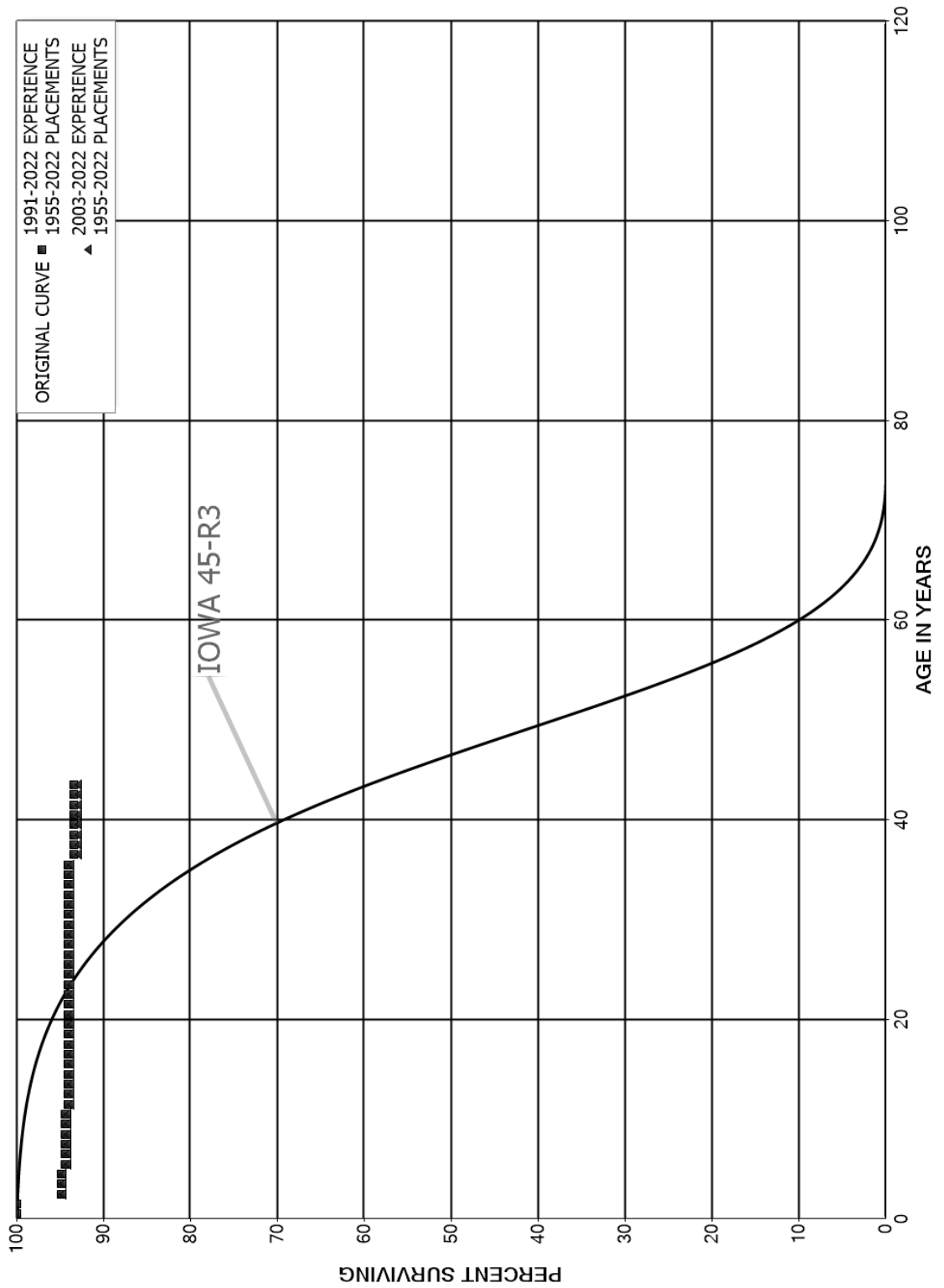
PLACEMENT BAND 1950-2022

EXPERIENCE BAND 2003-2022

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	1,087,792	19,865	0.0183	0.9817	85.64
40.5	1,038,319	9,523	0.0092	0.9908	84.08
41.5	983,429	10,926	0.0111	0.9889	83.31
42.5	946,511	1,243	0.0013	0.9987	82.38
43.5	925,599	1,710	0.0018	0.9982	82.28
44.5	907,215	3,538	0.0039	0.9961	82.12
45.5	897,004	1,211	0.0013	0.9987	81.80
46.5	1,012,989	19,026	0.0188	0.9812	81.69
47.5	963,479	827	0.0009	0.9991	80.16
48.5	919,762	16,372	0.0178	0.9822	80.09
49.5	893,460	333	0.0004	0.9996	78.66
50.5	352,936	115	0.0003	0.9997	78.63
51.5	339,710	7,436	0.0219	0.9781	78.61
52.5	340,633	38	0.0001	0.9999	76.89
53.5	321,466	236	0.0007	0.9993	76.88
54.5	318,308	246	0.0008	0.9992	76.82
55.5	259,988	113	0.0004	0.9996	76.76
56.5	231,382	17	0.0001	0.9999	76.73
57.5	199,388	47	0.0002	0.9998	76.72
58.5	166,190	0	0.0000	1.0000	76.71
59.5	151,634	0	0.0000	1.0000	76.71
60.5	151,634	288	0.0019	0.9981	76.71
61.5	150,979		0.0000	1.0000	76.56
62.5	150,979	4,497	0.0298	0.9702	76.56
63.5	146,482		0.0000	1.0000	74.28
64.5	146,482		0.0000	1.0000	74.28
65.5	146,482	22,047	0.1505	0.8495	74.28
66.5	3,451		0.0000	1.0000	63.10
67.5	3,451		0.0000	1.0000	63.10
68.5	3,451		0.0000	1.0000	63.10
69.5	3,451		0.0000	1.0000	63.10
70.5	3,451		0.0000	1.0000	63.10
71.5	3,451		0.0000	1.0000	63.10
72.5					63.10



ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 379.00 MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 379.00 MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1955-2022

EXPERIENCE BAND 1991-2022

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	17,010,664		0.0000	1.0000	100.00
0.5	15,548,350		0.0000	1.0000	100.00
1.5	11,220,947	573,406	0.0511	0.9489	100.00
2.5	9,346,554		0.0000	1.0000	94.89
3.5	4,854,517		0.0000	1.0000	94.89
4.5	4,485,604	21,702	0.0048	0.9952	94.89
5.5	3,391,084		0.0000	1.0000	94.43
6.5	2,779,077		0.0000	1.0000	94.43
7.5	2,770,509		0.0000	1.0000	94.43
8.5	2,786,868		0.0000	1.0000	94.43
9.5	2,786,868		0.0000	1.0000	94.43
10.5	2,786,868	9,682	0.0035	0.9965	94.43
11.5	2,907,516		0.0000	1.0000	94.10
12.5	2,896,615		0.0000	1.0000	94.10
13.5	2,824,849		0.0000	1.0000	94.10
14.5	2,554,747		0.0000	1.0000	94.10
15.5	2,306,073		0.0000	1.0000	94.10
16.5	2,295,377		0.0000	1.0000	94.10
17.5	2,289,769		0.0000	1.0000	94.10
18.5	1,620,081		0.0000	1.0000	94.10
19.5	1,545,173		0.0000	1.0000	94.10
20.5	1,266,383		0.0000	1.0000	94.10
21.5	1,220,415		0.0000	1.0000	94.10
22.5	1,158,087		0.0000	1.0000	94.10
23.5	985,463		0.0000	1.0000	94.10
24.5	934,478		0.0000	1.0000	94.10
25.5	934,478		0.0000	1.0000	94.10
26.5	908,124		0.0000	1.0000	94.10
27.5	439,076		0.0000	1.0000	94.10
28.5	439,076		0.0000	1.0000	94.10
29.5	439,076		0.0000	1.0000	94.10
30.5	439,076		0.0000	1.0000	94.10
31.5	436,127		0.0000	1.0000	94.10
32.5	434,181		0.0000	1.0000	94.10
33.5	390,603		0.0000	1.0000	94.10
34.5	376,192		0.0000	1.0000	94.10
35.5	377,104	2,949	0.0078	0.9922	94.10
36.5	347,970		0.0000	1.0000	93.37
37.5	242,531		0.0000	1.0000	93.37
38.5	242,531		0.0000	1.0000	93.37



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 379.00 MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1955-2022

EXPERIENCE BAND 1991-2022

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	242,531		0.0000	1.0000	93.37
40.5	216,346		0.0000	1.0000	93.37
41.5	216,346		0.0000	1.0000	93.37
42.5	216,346		0.0000	1.0000	93.37
43.5	86,016		0.0000	1.0000	93.37
44.5	86,016		0.0000	1.0000	93.37
45.5	86,016		0.0000	1.0000	93.37
46.5	86,016		0.0000	1.0000	93.37
47.5	86,016		0.0000	1.0000	93.37
48.5	86,016		0.0000	1.0000	93.37
49.5	86,016		0.0000	1.0000	93.37
50.5	79,127		0.0000	1.0000	93.37
51.5	79,127		0.0000	1.0000	93.37
52.5	79,127		0.0000	1.0000	93.37
53.5	54,597		0.0000	1.0000	93.37
54.5	54,597		0.0000	1.0000	93.37
55.5	54,597		0.0000	1.0000	93.37
56.5	54,597		0.0000	1.0000	93.37
57.5	54,597		0.0000	1.0000	93.37
58.5	54,597		0.0000	1.0000	93.37
59.5	54,597		0.0000	1.0000	93.37
60.5	54,597		0.0000	1.0000	93.37
61.5	54,597		0.0000	1.0000	93.37
62.5	54,597		0.0000	1.0000	93.37
63.5	54,597		0.0000	1.0000	93.37
64.5	54,597		0.0000	1.0000	93.37
65.5	54,597		0.0000	1.0000	93.37
66.5	16,639		0.0000	1.0000	93.37
67.5					93.37



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 379.00 MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1955-2022

EXPERIENCE BAND 2003-2022

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	15,877,088		0.0000	1.0000	100.00
0.5	14,691,618		0.0000	1.0000	100.00
1.5	10,391,135	573,406	0.0552	0.9448	100.00
2.5	8,526,700		0.0000	1.0000	94.48
3.5	4,191,561		0.0000	1.0000	94.48
4.5	3,847,449	21,702	0.0056	0.9944	94.48
5.5	2,647,489		0.0000	1.0000	93.95
6.5	2,061,837		0.0000	1.0000	93.95
7.5	2,522,316		0.0000	1.0000	93.95
8.5	2,509,540		0.0000	1.0000	93.95
9.5	2,509,540		0.0000	1.0000	93.95
10.5	2,509,540	9,682	0.0039	0.9961	93.95
11.5	2,502,808		0.0000	1.0000	93.59
12.5	2,493,853		0.0000	1.0000	93.59
13.5	2,465,665		0.0000	1.0000	93.59
14.5	2,247,933		0.0000	1.0000	93.59
15.5	2,014,985		0.0000	1.0000	93.59
16.5	2,030,474		0.0000	1.0000	93.59
17.5	2,130,305		0.0000	1.0000	93.59
18.5	1,453,727		0.0000	1.0000	93.59
19.5	1,378,819		0.0000	1.0000	93.59
20.5	1,129,164		0.0000	1.0000	93.59
21.5	1,058,666		0.0000	1.0000	93.59
22.5	996,338		0.0000	1.0000	93.59
23.5	954,044		0.0000	1.0000	93.59
24.5	903,059		0.0000	1.0000	93.59
25.5	903,059		0.0000	1.0000	93.59
26.5	876,705		0.0000	1.0000	93.59
27.5	407,657		0.0000	1.0000	93.59
28.5	407,657		0.0000	1.0000	93.59
29.5	407,657		0.0000	1.0000	93.59
30.5	414,547		0.0000	1.0000	93.59
31.5	411,597		0.0000	1.0000	93.59
32.5	409,651		0.0000	1.0000	93.59
33.5	390,603		0.0000	1.0000	93.59
34.5	338,234		0.0000	1.0000	93.59
35.5	322,508	2,949	0.0091	0.9909	93.59
36.5	293,373		0.0000	1.0000	92.73
37.5	187,934		0.0000	1.0000	92.73
38.5	187,934		0.0000	1.0000	92.73



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 379.00 MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE

ORIGINAL LIFE TABLE, CONT.

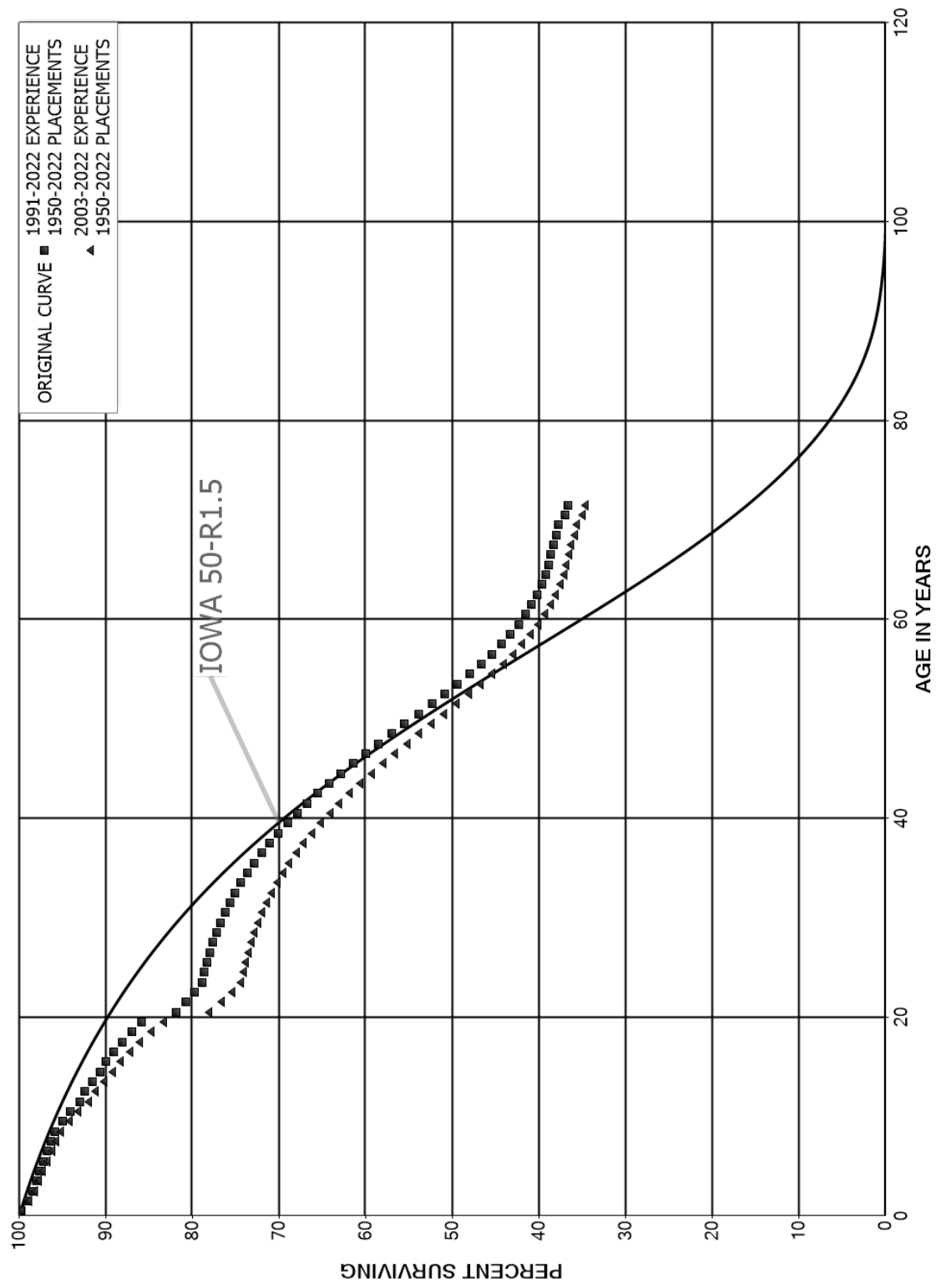
PLACEMENT BAND 1955-2022

EXPERIENCE BAND 2003-2022

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	187,934		0.0000	1.0000	92.73
40.5	161,749		0.0000	1.0000	92.73
41.5	161,749		0.0000	1.0000	92.73
42.5	161,749		0.0000	1.0000	92.73
43.5	31,419		0.0000	1.0000	92.73
44.5	31,419		0.0000	1.0000	92.73
45.5	31,419		0.0000	1.0000	92.73
46.5	69,378		0.0000	1.0000	92.73
47.5	86,016		0.0000	1.0000	92.73
48.5	86,016		0.0000	1.0000	92.73
49.5	86,016		0.0000	1.0000	92.73
50.5	79,127		0.0000	1.0000	92.73
51.5	79,127		0.0000	1.0000	92.73
52.5	79,127		0.0000	1.0000	92.73
53.5	54,597		0.0000	1.0000	92.73
54.5	54,597		0.0000	1.0000	92.73
55.5	54,597		0.0000	1.0000	92.73
56.5	54,597		0.0000	1.0000	92.73
57.5	54,597		0.0000	1.0000	92.73
58.5	54,597		0.0000	1.0000	92.73
59.5	54,597		0.0000	1.0000	92.73
60.5	54,597		0.0000	1.0000	92.73
61.5	54,597		0.0000	1.0000	92.73
62.5	54,597		0.0000	1.0000	92.73
63.5	54,597		0.0000	1.0000	92.73
64.5	54,597		0.0000	1.0000	92.73
65.5	54,597		0.0000	1.0000	92.73
66.5	16,639		0.0000	1.0000	92.73
67.5					92.73



ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 380.00 SERVICES
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 380.00 SERVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1950-2022

EXPERIENCE BAND 1991-2022

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	162,384,874	484,374	0.0030	0.9970	100.00
0.5	153,100,778	1,139,302	0.0074	0.9926	99.70
1.5	141,439,423	760,345	0.0054	0.9946	98.96
2.5	131,173,581	570,988	0.0044	0.9956	98.43
3.5	120,516,561	515,456	0.0043	0.9957	98.00
4.5	112,993,361	469,122	0.0042	0.9958	97.58
5.5	106,570,792	534,145	0.0050	0.9950	97.18
6.5	97,548,039	394,858	0.0040	0.9960	96.69
7.5	93,974,051	486,658	0.0052	0.9948	96.30
8.5	89,972,454	840,113	0.0093	0.9907	95.80
9.5	86,171,866	759,365	0.0088	0.9912	94.90
10.5	82,851,427	939,878	0.0113	0.9887	94.07
11.5	78,633,313	525,349	0.0067	0.9933	93.00
12.5	78,339,576	700,488	0.0089	0.9911	92.38
13.5	73,643,228	725,107	0.0098	0.9902	91.55
14.5	70,406,498	565,304	0.0080	0.9920	90.65
15.5	66,675,256	671,875	0.0101	0.9899	89.92
16.5	61,723,580	623,963	0.0101	0.9899	89.02
17.5	57,784,183	763,575	0.0132	0.9868	88.12
18.5	53,882,248	709,904	0.0132	0.9868	86.95
19.5	50,426,093	2,349,073	0.0466	0.9534	85.81
20.5	45,665,759	622,254	0.0136	0.9864	81.81
21.5	41,541,510	495,022	0.0119	0.9881	80.70
22.5	38,750,231	410,195	0.0106	0.9894	79.73
23.5	34,805,373	135,223	0.0039	0.9961	78.89
24.5	34,121,122	123,770	0.0036	0.9964	78.58
25.5	33,601,636	140,841	0.0042	0.9958	78.30
26.5	33,078,501	153,912	0.0047	0.9953	77.97
27.5	32,570,949	173,470	0.0053	0.9947	77.61
28.5	32,051,747	183,663	0.0057	0.9943	77.19
29.5	31,539,394	216,560	0.0069	0.9931	76.75
30.5	30,992,031	232,038	0.0075	0.9925	76.22
31.5	30,440,925	251,257	0.0083	0.9917	75.65
32.5	29,857,471	267,018	0.0089	0.9911	75.03
33.5	29,259,732	288,363	0.0099	0.9901	74.36
34.5	28,625,160	306,431	0.0107	0.9893	73.63
35.5	27,961,659	336,703	0.0120	0.9880	72.84
36.5	27,246,925	349,720	0.0128	0.9872	71.96
37.5	26,507,958	372,965	0.0141	0.9859	71.04
38.5	25,720,979	384,474	0.0149	0.9851	70.04



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 380.00 SERVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1950-2022

EXPERIENCE BAND 1991-2022

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	24,913,255	409,811	0.0164	0.9836	68.99
40.5	24,058,871	412,755	0.0172	0.9828	67.86
41.5	22,714,041	420,340	0.0185	0.9815	66.69
42.5	21,374,190	420,963	0.0197	0.9803	65.46
43.5	20,057,591	419,482	0.0209	0.9791	64.17
44.5	18,757,812	414,839	0.0221	0.9779	62.83
45.5	17,485,056	417,733	0.0239	0.9761	61.44
46.5	16,224,911	408,402	0.0252	0.9748	59.97
47.5	14,998,731	383,380	0.0256	0.9744	58.46
48.5	13,812,984	366,664	0.0265	0.9735	56.96
49.5	12,666,406	363,576	0.0287	0.9713	55.45
50.5	11,540,356	332,372	0.0288	0.9712	53.86
51.5	10,468,109	299,003	0.0286	0.9714	52.31
52.5	9,453,666	270,121	0.0286	0.9714	50.82
53.5	8,670,625	246,559	0.0284	0.9716	49.36
54.5	7,924,151	219,950	0.0278	0.9722	47.96
55.5	7,217,678	190,008	0.0263	0.9737	46.63
56.5	6,553,859	160,186	0.0244	0.9756	45.40
57.5	5,933,913	137,101	0.0231	0.9769	44.29
58.5	5,350,111	115,100	0.0215	0.9785	43.27
59.5	4,801,360	90,063	0.0188	0.9812	42.34
60.5	4,290,860	73,499	0.0171	0.9829	41.54
61.5	3,810,189	59,841	0.0157	0.9843	40.83
62.5	3,356,713	48,474	0.0144	0.9856	40.19
63.5	2,927,675	31,701	0.0108	0.9892	39.61
64.5	2,528,145	18,913	0.0075	0.9925	39.18
65.5	2,154,752	15,872	0.0074	0.9926	38.89
66.5	1,797,915	12,738	0.0071	0.9929	38.60
67.5	1,458,379	16,580	0.0114	0.9886	38.33
68.5	1,127,820	6,366	0.0056	0.9944	37.89
69.5	821,513	15,203	0.0185	0.9815	37.68
70.5	527,507	5,517	0.0105	0.9895	36.98
71.5	251,594	5,790	0.0230	0.9770	36.59
72.5					35.75



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 380.00 SERVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1950-2022

EXPERIENCE BAND 2003-2022

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	132,764,532	484,136	0.0036	0.9964	100.00
0.5	126,306,436	1,138,661	0.0090	0.9910	99.64
1.5	118,698,371	759,585	0.0064	0.9936	98.74
2.5	111,219,738	570,207	0.0051	0.9949	98.11
3.5	106,152,770	514,588	0.0048	0.9952	97.60
4.5	98,975,721	468,005	0.0047	0.9953	97.13
5.5	92,663,794	532,704	0.0057	0.9943	96.67
6.5	83,747,352	393,016	0.0047	0.9953	96.11
7.5	80,272,399	484,321	0.0060	0.9940	95.66
8.5	76,364,735	837,168	0.0110	0.9890	95.09
9.5	72,650,681	755,678	0.0104	0.9896	94.04
10.5	69,410,011	935,294	0.0135	0.9865	93.07
11.5	65,263,358	519,684	0.0080	0.9920	91.81
12.5	65,033,559	693,529	0.0107	0.9893	91.08
13.5	60,392,890	716,609	0.0119	0.9881	90.11
14.5	57,204,520	554,993	0.0097	0.9903	89.04
15.5	53,512,924	659,431	0.0123	0.9877	88.18
16.5	48,593,344	609,037	0.0125	0.9875	87.09
17.5	44,678,019	745,763	0.0167	0.9833	86.00
18.5	40,792,857	688,779	0.0169	0.9831	84.56
19.5	37,345,281	2,324,144	0.0622	0.9378	83.13
20.5	32,582,876	593,001	0.0182	0.9818	77.96
21.5	28,812,159	461,875	0.0160	0.9840	76.54
22.5	26,375,476	373,667	0.0142	0.9858	75.31
23.5	22,763,552	94,398	0.0041	0.9959	74.25
24.5	22,413,832	78,144	0.0035	0.9965	73.94
25.5	22,209,418	89,718	0.0040	0.9960	73.68
26.5	22,007,119	97,201	0.0044	0.9956	73.38
27.5	21,807,157	113,094	0.0052	0.9948	73.06
28.5	21,606,923	118,087	0.0055	0.9945	72.68
29.5	21,409,257	143,168	0.0067	0.9933	72.28
30.5	21,201,521	153,877	0.0073	0.9927	71.80
31.5	20,996,873	169,227	0.0081	0.9919	71.28
32.5	20,793,822	179,253	0.0086	0.9914	70.71
33.5	20,254,292	193,397	0.0095	0.9905	70.10
34.5	19,715,366	204,653	0.0104	0.9896	69.43
35.5	19,187,396	228,691	0.0119	0.9881	68.71
36.5	18,649,576	236,239	0.0127	0.9873	67.89
37.5	18,127,993	254,961	0.0141	0.9859	67.03
38.5	17,596,864	263,038	0.0149	0.9851	66.08



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 380.00 SERVICES

ORIGINAL LIFE TABLE, CONT.

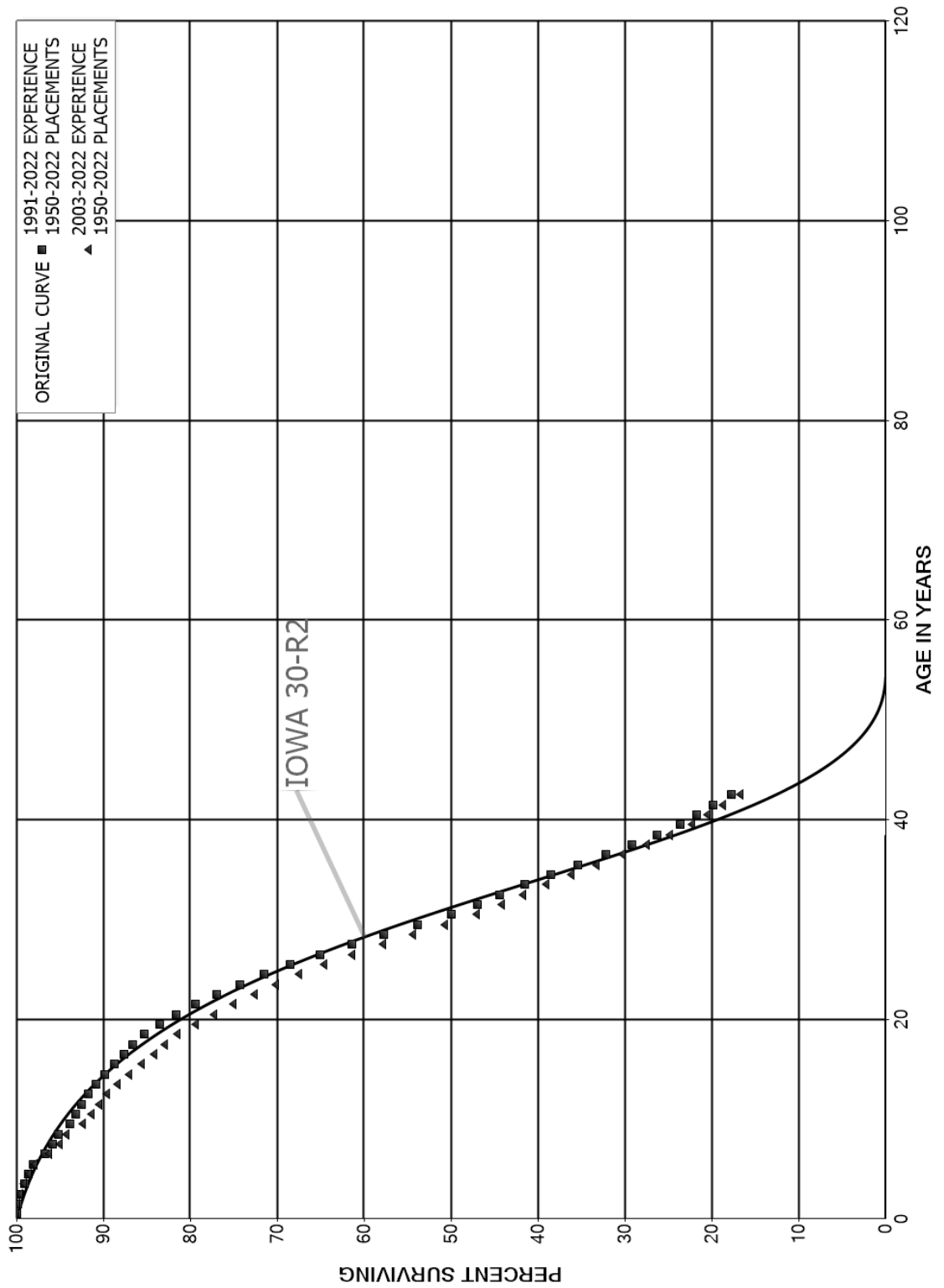
PLACEMENT BAND 1950-2022

EXPERIENCE BAND 2003-2022

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	17,079,361	286,136	0.0168	0.9832	65.10
40.5	16,543,565	287,860	0.0174	0.9826	64.01
41.5	16,016,157	301,015	0.0188	0.9812	62.89
42.5	15,472,381	312,334	0.0202	0.9798	61.71
43.5	14,921,101	317,369	0.0213	0.9787	60.46
44.5	14,356,345	318,947	0.0222	0.9778	59.18
45.5	13,784,630	326,584	0.0237	0.9763	57.86
46.5	13,190,526	324,880	0.0246	0.9754	56.49
47.5	12,590,542	321,838	0.0256	0.9744	55.10
48.5	11,975,674	318,763	0.0266	0.9734	53.69
49.5	11,352,851	317,166	0.0279	0.9721	52.26
50.5	10,715,542	304,301	0.0284	0.9716	50.80
51.5	10,081,303	291,088	0.0289	0.9711	49.36
52.5	9,453,666	270,121	0.0286	0.9714	47.94
53.5	8,670,625	246,559	0.0284	0.9716	46.57
54.5	7,924,151	219,950	0.0278	0.9722	45.24
55.5	7,217,678	190,008	0.0263	0.9737	43.99
56.5	6,553,859	160,186	0.0244	0.9756	42.83
57.5	5,933,913	137,101	0.0231	0.9769	41.78
58.5	5,350,111	115,100	0.0215	0.9785	40.82
59.5	4,801,360	90,063	0.0188	0.9812	39.94
60.5	4,290,860	73,499	0.0171	0.9829	39.19
61.5	3,810,189	59,841	0.0157	0.9843	38.52
62.5	3,356,713	48,474	0.0144	0.9856	37.91
63.5	2,927,675	31,701	0.0108	0.9892	37.36
64.5	2,528,145	18,913	0.0075	0.9925	36.96
65.5	2,154,752	15,872	0.0074	0.9926	36.68
66.5	1,797,915	12,738	0.0071	0.9929	36.41
67.5	1,458,379	16,580	0.0114	0.9886	36.16
68.5	1,127,820	6,366	0.0056	0.9944	35.74
69.5	821,513	15,203	0.0185	0.9815	35.54
70.5	527,507	5,517	0.0105	0.9895	34.89
71.5	251,594	5,790	0.0230	0.9770	34.52
72.5					33.73



ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 381.00 METERS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 381.00 METERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1950-2022

EXPERIENCE BAND 1991-2022

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	53,752,824	25,379	0.0005	0.9995	100.00
0.5	50,291,348	71,722	0.0014	0.9986	99.95
1.5	45,752,333	108,645	0.0024	0.9976	99.81
2.5	43,411,193	202,379	0.0047	0.9953	99.57
3.5	39,452,337	185,923	0.0047	0.9953	99.11
4.5	35,536,643	209,285	0.0059	0.9941	98.64
5.5	30,836,595	436,372	0.0142	0.9858	98.06
6.5	18,342,860	165,372	0.0090	0.9910	96.67
7.5	17,379,027	114,370	0.0066	0.9934	95.80
8.5	16,369,949	233,056	0.0142	0.9858	95.17
9.5	14,023,356	103,631	0.0074	0.9926	93.82
10.5	13,519,569	90,404	0.0067	0.9933	93.12
11.5	13,287,659	106,851	0.0080	0.9920	92.50
12.5	12,957,647	128,852	0.0099	0.9901	91.76
13.5	11,931,170	132,122	0.0111	0.9889	90.84
14.5	11,298,234	139,907	0.0124	0.9876	89.84
15.5	10,555,143	134,744	0.0128	0.9872	88.73
16.5	10,282,167	121,104	0.0118	0.9882	87.59
17.5	9,966,881	147,678	0.0148	0.9852	86.56
18.5	9,712,148	205,830	0.0212	0.9788	85.28
19.5	9,380,255	214,613	0.0229	0.9771	83.47
20.5	9,005,452	238,018	0.0264	0.9736	81.56
21.5	8,522,946	266,203	0.0312	0.9688	79.41
22.5	7,903,226	267,026	0.0338	0.9662	76.93
23.5	7,355,862	274,676	0.0373	0.9627	74.33
24.5	6,725,942	289,258	0.0430	0.9570	71.55
25.5	6,091,574	300,784	0.0494	0.9506	68.47
26.5	5,455,380	310,286	0.0569	0.9431	65.09
27.5	4,821,710	288,349	0.0598	0.9402	61.39
28.5	4,222,805	284,899	0.0675	0.9325	57.72
29.5	3,639,180	258,919	0.0711	0.9289	53.83
30.5	3,095,292	190,377	0.0615	0.9385	50.00
31.5	2,633,301	144,778	0.0550	0.9450	46.92
32.5	2,229,455	142,888	0.0641	0.9359	44.34
33.5	1,842,041	135,299	0.0735	0.9265	41.50
34.5	1,474,936	118,736	0.0805	0.9195	38.45
35.5	1,205,052	110,129	0.0914	0.9086	35.36
36.5	953,085	88,188	0.0925	0.9075	32.12
37.5	732,524	70,894	0.0968	0.9032	29.15
38.5	540,359	56,370	0.1043	0.8957	26.33



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 381.00 METERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1950-2022

EXPERIENCE BAND 1991-2022

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	370,857	28,739	0.0775	0.9225	23.58
40.5	238,814	21,542	0.0902	0.9098	21.76
41.5	124,164	12,911	0.1040	0.8960	19.79
42.5	27,922	1,167	0.0418	0.9582	17.74
43.5	23,889	911	0.0381	0.9619	16.99
44.5	20,293	597	0.0294	0.9706	16.35
45.5	17,197	258	0.0150	0.9850	15.86
46.5	14,629	542	0.0371	0.9629	15.63
47.5	11,968	1,394	0.1165	0.8835	15.05
48.5	9,594	1,943	0.2025	0.7975	13.29
49.5	6,767	1,317	0.1947	0.8053	10.60
50.5	4,658	679	0.1458	0.8542	8.54
51.5	3,277	597	0.1822	0.8178	7.29
52.5	2,063	520	0.2521	0.7479	5.96
53.5	1,005	464	0.4613	0.5387	4.46
54.5	541		0.0000	1.0000	2.40
55.5	541		0.0000	1.0000	2.40
56.5	541		0.0000	1.0000	2.40
57.5	541		0.0000	1.0000	2.40
58.5	541		0.0000	1.0000	2.40
59.5	541		0.0000	1.0000	2.40
60.5	541		0.0000	1.0000	2.40
61.5	541	541	1.0000		2.40
62.5					



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 381.00 METERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1950-2022

EXPERIENCE BAND 2003-2022

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	48,215,097	22,845	0.0005	0.9995	100.00
0.5	44,395,405	65,145	0.0015	0.9985	99.95
1.5	39,600,036	100,555	0.0025	0.9975	99.81
2.5	37,143,869	192,669	0.0052	0.9948	99.55
3.5	33,160,879	174,973	0.0053	0.9947	99.04
4.5	29,359,257	198,908	0.0068	0.9932	98.51
5.5	24,770,403	424,116	0.0171	0.9829	97.85
6.5	12,392,015	152,286	0.0123	0.9877	96.17
7.5	11,546,070	100,805	0.0087	0.9913	94.99
8.5	10,658,396	217,734	0.0204	0.9796	94.16
9.5	8,308,095	86,683	0.0104	0.9896	92.24
10.5	7,941,994	72,505	0.0091	0.9909	91.27
11.5	8,272,912	90,482	0.0109	0.9891	90.44
12.5	8,509,095	113,775	0.0134	0.9866	89.45
13.5	8,051,557	119,734	0.0149	0.9851	88.26
14.5	7,990,188	131,077	0.0164	0.9836	86.94
15.5	7,653,685	128,097	0.0167	0.9833	85.52
16.5	7,787,815	115,624	0.0148	0.9852	84.09
17.5	7,880,824	141,882	0.0180	0.9820	82.84
18.5	8,035,578	203,552	0.0253	0.9747	81.35
19.5	8,111,204	212,858	0.0262	0.9738	79.29
20.5	8,143,022	236,300	0.0290	0.9710	77.20
21.5	8,065,345	265,670	0.0329	0.9671	74.96
22.5	7,845,719	266,510	0.0340	0.9660	72.49
23.5	7,302,739	274,188	0.0375	0.9625	70.03
24.5	6,677,463	288,803	0.0433	0.9567	67.40
25.5	6,047,889	300,366	0.0497	0.9503	64.49
26.5	5,417,780	309,968	0.0572	0.9428	61.28
27.5	4,789,806	288,091	0.0601	0.9399	57.78
28.5	4,196,195	284,701	0.0678	0.9322	54.30
29.5	3,617,413	258,782	0.0715	0.9285	50.62
30.5	3,077,880	190,281	0.0618	0.9382	47.00
31.5	2,619,749	144,708	0.0552	0.9448	44.09
32.5	2,219,269	142,828	0.0644	0.9356	41.66
33.5	1,834,748	135,278	0.0737	0.9263	38.98
34.5	1,470,053	118,723	0.0808	0.9192	36.10
35.5	1,202,157	110,118	0.0916	0.9084	33.19
36.5	951,805	88,188	0.0927	0.9073	30.15
37.5	732,524	70,894	0.0968	0.9032	27.35
38.5	540,359	56,370	0.1043	0.8957	24.71



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 381.00 METERS

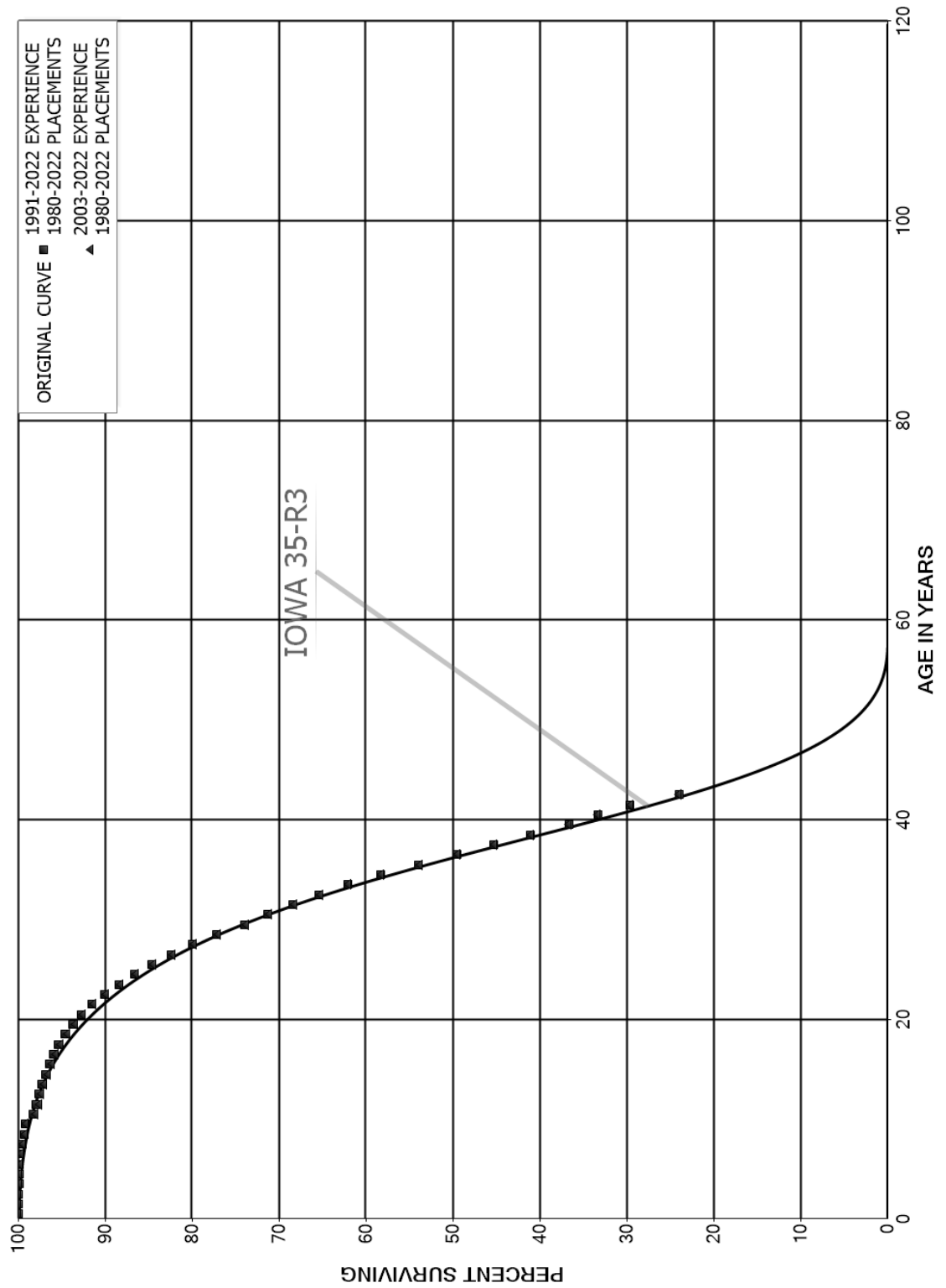
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1950-2022

EXPERIENCE BAND 2003-2022

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	370,857	28,739	0.0775	0.9225	22.13
40.5	238,272	21,542	0.0904	0.9096	20.41
41.5	123,622	12,911	0.1044	0.8956	18.57
42.5	27,381	1,167	0.0426	0.9574	16.63
43.5	23,348	911	0.0390	0.9610	15.92
44.5	19,752	597	0.0302	0.9698	15.30
45.5	16,655	258	0.0155	0.9845	14.84
46.5	14,088	542	0.0385	0.9615	14.61
47.5	11,427	1,394	0.1220	0.8780	14.04
48.5	9,052	1,943	0.2146	0.7854	12.33
49.5	6,225	1,317	0.2116	0.7884	9.68
50.5	4,117	679	0.1650	0.8350	7.63
51.5	2,735	597	0.2183	0.7817	6.37
52.5	2,063	520	0.2521	0.7479	4.98
53.5	1,005	464	0.4613	0.5387	3.73
54.5	541		0.0000	1.0000	2.01
55.5	541		0.0000	1.0000	2.01
56.5	541		0.0000	1.0000	2.01
57.5	541		0.0000	1.0000	2.01
58.5	541		0.0000	1.0000	2.01
59.5	541		0.0000	1.0000	2.01
60.5	541		0.0000	1.0000	2.01
61.5	541	541	1.0000		2.01
62.5					

ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 382.00 METER INSTALLATIONS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 382.00 METER INSTALLATIONS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1980-2022

EXPERIENCE BAND 1991-2022

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	31,809,394	1,718	0.0001	0.9999	100.00
0.5	32,234,423	14,223	0.0004	0.9996	99.99
1.5	30,707,648	7,944	0.0003	0.9997	99.95
2.5	31,027,735	13,482	0.0004	0.9996	99.92
3.5	31,194,051	12,036	0.0004	0.9996	99.88
4.5	31,551,301	14,396	0.0005	0.9995	99.84
5.5	31,914,670	34,855	0.0011	0.9989	99.80
6.5	29,064,633	51,998	0.0018	0.9982	99.69
7.5	29,412,396	60,483	0.0021	0.9979	99.51
8.5	29,735,814	47,358	0.0016	0.9984	99.31
9.5	30,109,834	265,735	0.0088	0.9912	99.15
10.5	29,878,251	107,774	0.0036	0.9964	98.27
11.5	27,982,099	77,646	0.0028	0.9972	97.92
12.5	27,497,260	91,341	0.0033	0.9967	97.65
13.5	24,763,082	110,250	0.0045	0.9955	97.32
14.5	22,974,893	104,369	0.0045	0.9955	96.89
15.5	21,837,216	100,289	0.0046	0.9954	96.45
16.5	21,736,927	145,843	0.0067	0.9933	96.01
17.5	19,895,287	166,671	0.0084	0.9916	95.36
18.5	18,212,286	166,226	0.0091	0.9909	94.56
19.5	16,594,518	174,876	0.0105	0.9895	93.70
20.5	14,793,788	191,740	0.0130	0.9870	92.71
21.5	12,049,419	184,973	0.0154	0.9846	91.51
22.5	11,042,362	203,978	0.0185	0.9815	90.11
23.5	9,762,463	197,188	0.0202	0.9798	88.44
24.5	9,082,109	209,568	0.0231	0.9769	86.65
25.5	8,403,224	226,404	0.0269	0.9731	84.65
26.5	7,721,793	227,798	0.0295	0.9705	82.37
27.5	7,053,106	247,896	0.0351	0.9649	79.94
28.5	6,378,116	266,869	0.0418	0.9582	77.13
29.5	5,700,876	202,056	0.0354	0.9646	73.91
30.5	5,104,951	208,336	0.0408	0.9592	71.29
31.5	4,518,156	199,021	0.0440	0.9560	68.38
32.5	3,957,385	199,434	0.0504	0.9496	65.37
33.5	3,415,643	208,166	0.0609	0.9391	62.07
34.5	2,883,427	216,908	0.0752	0.9248	58.29
35.5	2,361,270	194,081	0.0822	0.9178	53.90
36.5	1,880,253	160,665	0.0854	0.9146	49.47
37.5	1,452,931	134,897	0.0928	0.9072	45.25
38.5	1,070,879	114,150	0.1066	0.8934	41.05



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 382.00 METER INSTALLATIONS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1980-2022

EXPERIENCE BAND 1991-2022

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	729,096	66,321	0.0910	0.9090	36.67
40.5	453,466	51,253	0.1130	0.8870	33.33
41.5	214,277	40,597	0.1895	0.8105	29.57
42.5					23.96

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 382.00 METER INSTALLATIONS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1980-2022

EXPERIENCE BAND 2003-2022

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	20,848,767	1,246	0.0001	0.9999	100.00
0.5	22,406,558	13,150	0.0006	0.9994	99.99
1.5	22,998,709	6,704	0.0003	0.9997	99.94
2.5	23,659,747	11,894	0.0005	0.9995	99.91
3.5	24,393,402	9,911	0.0004	0.9996	99.86
4.5	24,766,504	11,517	0.0005	0.9995	99.82
5.5	25,135,006	31,003	0.0012	0.9988	99.77
6.5	22,278,777	46,912	0.0021	0.9979	99.65
7.5	22,608,009	53,841	0.0024	0.9976	99.44
8.5	22,899,777	38,793	0.0017	0.9983	99.20
9.5	23,228,413	254,814	0.0110	0.9890	99.03
10.5	22,937,396	94,007	0.0041	0.9959	97.94
11.5	21,609,594	61,818	0.0029	0.9971	97.54
12.5	21,693,136	73,099	0.0034	0.9966	97.26
13.5	19,528,880	89,872	0.0046	0.9954	96.94
14.5	18,311,732	81,162	0.0044	0.9956	96.49
15.5	17,748,173	75,485	0.0043	0.9957	96.06
16.5	18,225,143	118,060	0.0065	0.9935	95.65
17.5	16,965,253	138,432	0.0082	0.9918	95.03
18.5	15,867,270	139,244	0.0088	0.9912	94.26
19.5	14,837,356	144,405	0.0097	0.9903	93.43
20.5	13,631,893	178,526	0.0131	0.9869	92.52
21.5	11,470,551	181,864	0.0159	0.9841	91.31
22.5	11,042,362	203,978	0.0185	0.9815	89.86
23.5	9,762,463	197,188	0.0202	0.9798	88.20
24.5	9,082,109	209,568	0.0231	0.9769	86.42
25.5	8,403,224	226,404	0.0269	0.9731	84.43
26.5	7,721,793	227,798	0.0295	0.9705	82.15
27.5	7,053,106	247,896	0.0351	0.9649	79.73
28.5	6,378,116	266,869	0.0418	0.9582	76.93
29.5	5,700,876	202,056	0.0354	0.9646	73.71
30.5	5,104,951	208,336	0.0408	0.9592	71.10
31.5	4,518,156	199,021	0.0440	0.9560	68.19
32.5	3,957,385	199,434	0.0504	0.9496	65.19
33.5	3,415,643	208,166	0.0609	0.9391	61.91
34.5	2,883,427	216,908	0.0752	0.9248	58.13
35.5	2,361,270	194,081	0.0822	0.9178	53.76
36.5	1,880,253	160,665	0.0854	0.9146	49.34
37.5	1,452,931	134,897	0.0928	0.9072	45.12
38.5	1,070,879	114,150	0.1066	0.8934	40.93



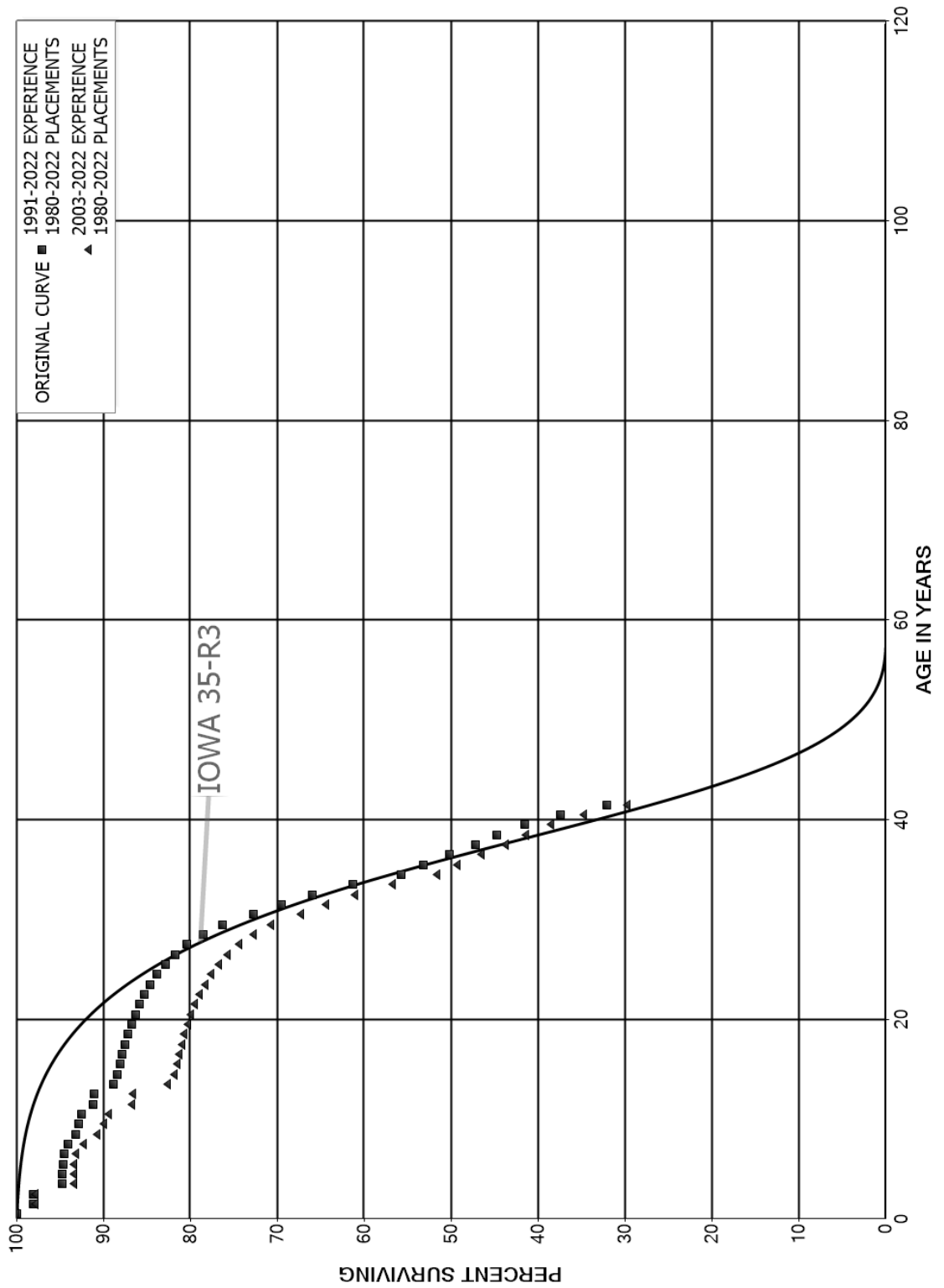
ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 382.00 METER INSTALLATIONS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1980-2022			EXPERIENCE BAND 2003-2022			
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	729,096	66,321	0.0910	0.9090	36.57	
40.5	453,466	51,253	0.1130	0.8870	33.24	
41.5	214,277	40,597	0.1895	0.8105	29.49	
42.5					23.90	

ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 383.00 HOUSE REGULATORS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 383.00 HOUSE REGULATORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1980-2022

EXPERIENCE BAND 1991-2022

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	11,014,895	7,549	0.0007	0.9993	100.00
0.5	9,819,283	182,937	0.0186	0.9814	99.93
1.5	8,642,091	960	0.0001	0.9999	98.07
2.5	7,900,743	269,423	0.0341	0.9659	98.06
3.5	6,581,744	410	0.0001	0.9999	94.71
4.5	6,339,968	4,171	0.0007	0.9993	94.71
5.5	6,092,389	8,817	0.0014	0.9986	94.65
6.5	4,138,499	21,717	0.0052	0.9948	94.51
7.5	4,103,012	34,692	0.0085	0.9915	94.01
8.5	4,195,580	19,715	0.0047	0.9953	93.22
9.5	4,346,237	15,430	0.0036	0.9964	92.78
10.5	3,710,497	51,159	0.0138	0.9862	92.45
11.5	3,651,178	4,445	0.0012	0.9988	91.18
12.5	3,638,205	87,981	0.0242	0.9758	91.07
13.5	3,419,842	19,626	0.0057	0.9943	88.86
14.5	3,388,335	10,239	0.0030	0.9970	88.35
15.5	3,346,787	9,434	0.0028	0.9972	88.09
16.5	3,334,596	12,389	0.0037	0.9963	87.84
17.5	3,322,207	13,547	0.0041	0.9959	87.51
18.5	3,290,888	16,675	0.0051	0.9949	87.16
19.5	3,273,835	17,597	0.0054	0.9946	86.71
20.5	3,245,185	15,745	0.0049	0.9951	86.25
21.5	3,180,614	19,586	0.0062	0.9938	85.83
22.5	3,137,833	25,763	0.0082	0.9918	85.30
23.5	3,038,475	26,617	0.0088	0.9912	84.60
24.5	2,854,241	33,053	0.0116	0.9884	83.86
25.5	2,675,911	35,857	0.0134	0.9866	82.89
26.5	2,496,480	43,238	0.0173	0.9827	81.78
27.5	2,306,339	53,543	0.0232	0.9768	80.36
28.5	2,116,102	58,273	0.0275	0.9725	78.50
29.5	1,924,631	92,146	0.0479	0.9521	76.33
30.5	1,724,298	75,151	0.0436	0.9564	72.68
31.5	1,520,517	78,700	0.0518	0.9482	69.51
32.5	1,318,673	93,667	0.0710	0.9290	65.91
33.5	1,108,963	100,658	0.0908	0.9092	61.23
34.5	896,415	40,477	0.0452	0.9548	55.67
35.5	750,263	42,681	0.0569	0.9431	53.16
36.5	605,841	36,287	0.0599	0.9401	50.14
37.5	478,129	24,823	0.0519	0.9481	47.13
38.5	369,208	26,247	0.0711	0.9289	44.69



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 383.00 HOUSE REGULATORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1980-2022			EXPERIENCE BAND 1991-2022			
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	263,935	25,980	0.0984	0.9016	41.51	
40.5	167,363	23,927	0.1430	0.8570	37.42	
41.5	80,998	34,032	0.4202	0.5798	32.07	
42.5					18.60	

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 383.00 HOUSE REGULATORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1980-2022

EXPERIENCE BAND 2003-2022

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	9,560,455	7,536	0.0008	0.9992	100.00
0.5	8,214,296	182,886	0.0223	0.9777	99.92
1.5	6,917,292	867	0.0001	0.9999	97.70
2.5	6,041,571	269,296	0.0446	0.9554	97.68
3.5	4,636,465	231	0.0000	1.0000	93.33
4.5	4,385,370	3,920	0.0009	0.9991	93.33
5.5	4,122,735	8,479	0.0021	0.9979	93.24
6.5	2,152,789	21,256	0.0099	0.9901	93.05
7.5	2,099,893	34,065	0.0162	0.9838	92.13
8.5	2,175,721	18,901	0.0087	0.9913	90.64
9.5	2,310,169	14,353	0.0062	0.9938	89.85
10.5	1,658,500	49,739	0.0300	0.9700	89.29
11.5	1,760,492	3,047	0.0017	0.9983	86.61
12.5	1,910,086	86,382	0.0452	0.9548	86.46
13.5	1,862,974	17,791	0.0095	0.9905	82.55
14.5	1,997,270	7,990	0.0040	0.9960	81.76
15.5	2,123,369	6,583	0.0031	0.9969	81.44
16.5	2,288,096	8,808	0.0038	0.9962	81.19
17.5	2,447,286	9,289	0.0038	0.9962	80.87
18.5	2,589,211	11,452	0.0044	0.9956	80.57
19.5	2,754,426	13,212	0.0048	0.9952	80.21
20.5	2,899,943	15,745	0.0054	0.9946	79.82
21.5	3,004,721	19,586	0.0065	0.9935	79.39
22.5	3,137,833	25,763	0.0082	0.9918	78.87
23.5	3,038,475	26,617	0.0088	0.9912	78.23
24.5	2,854,241	33,053	0.0116	0.9884	77.54
25.5	2,675,911	35,857	0.0134	0.9866	76.64
26.5	2,496,480	43,238	0.0173	0.9827	75.62
27.5	2,306,339	53,543	0.0232	0.9768	74.31
28.5	2,116,102	58,273	0.0275	0.9725	72.58
29.5	1,924,631	92,146	0.0479	0.9521	70.58
30.5	1,724,298	75,151	0.0436	0.9564	67.20
31.5	1,520,517	78,700	0.0518	0.9482	64.27
32.5	1,318,673	93,667	0.0710	0.9290	60.95
33.5	1,108,963	100,658	0.0908	0.9092	56.62
34.5	896,415	40,477	0.0452	0.9548	51.48
35.5	750,263	42,681	0.0569	0.9431	49.15
36.5	605,841	36,287	0.0599	0.9401	46.36
37.5	478,129	24,823	0.0519	0.9481	43.58
38.5	369,208	26,247	0.0711	0.9289	41.32



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 383.00 HOUSE REGULATORS

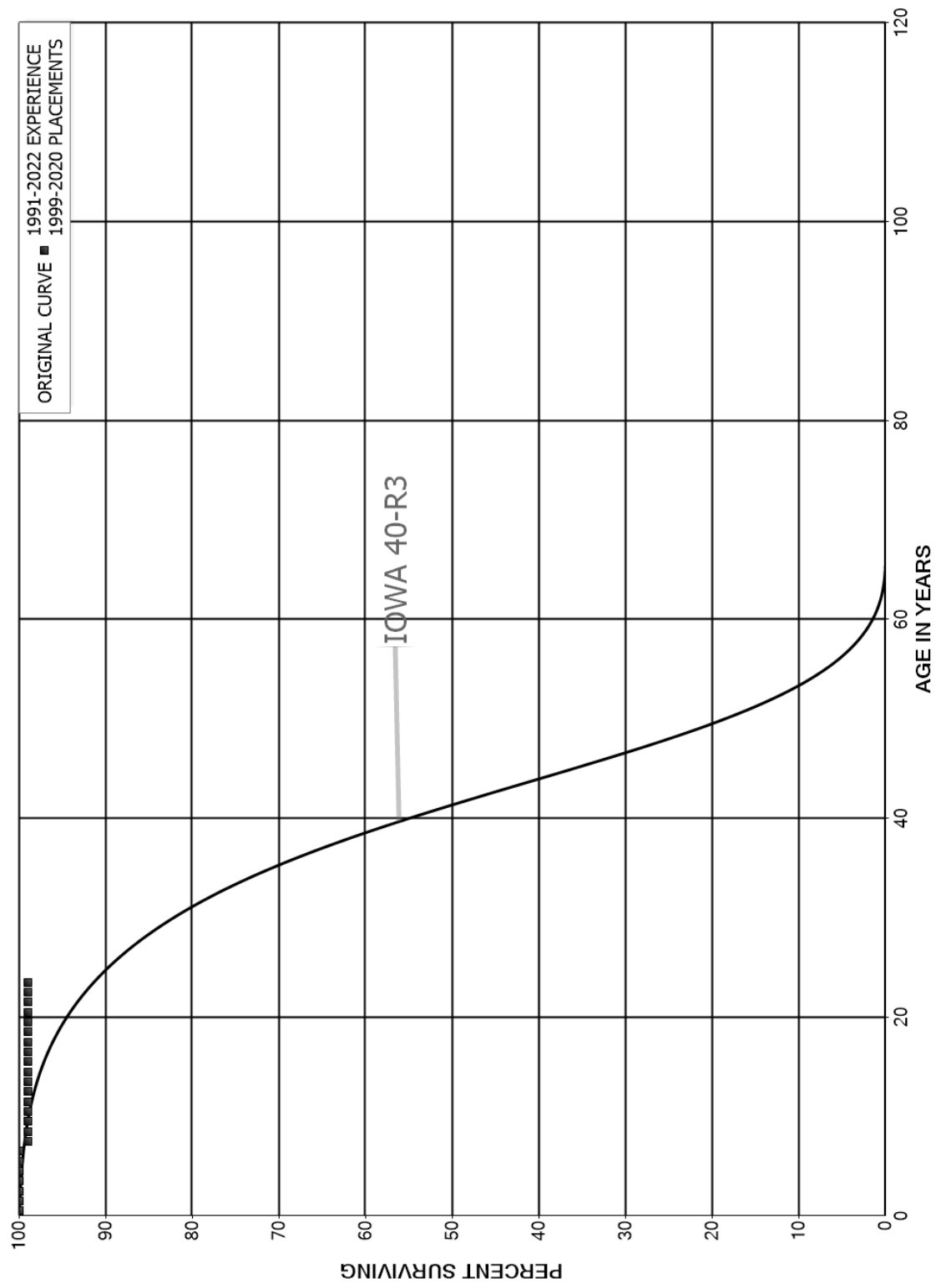
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1980-2022

EXPERIENCE BAND 2003-2022

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	263,935	25,980	0.0984	0.9016	38.38
40.5	167,363	23,927	0.1430	0.8570	34.60
41.5	80,998	34,032	0.4202	0.5798	29.66
42.5					17.20

ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 385.00 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 385.00 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT

ORIGINAL LIFE TABLE

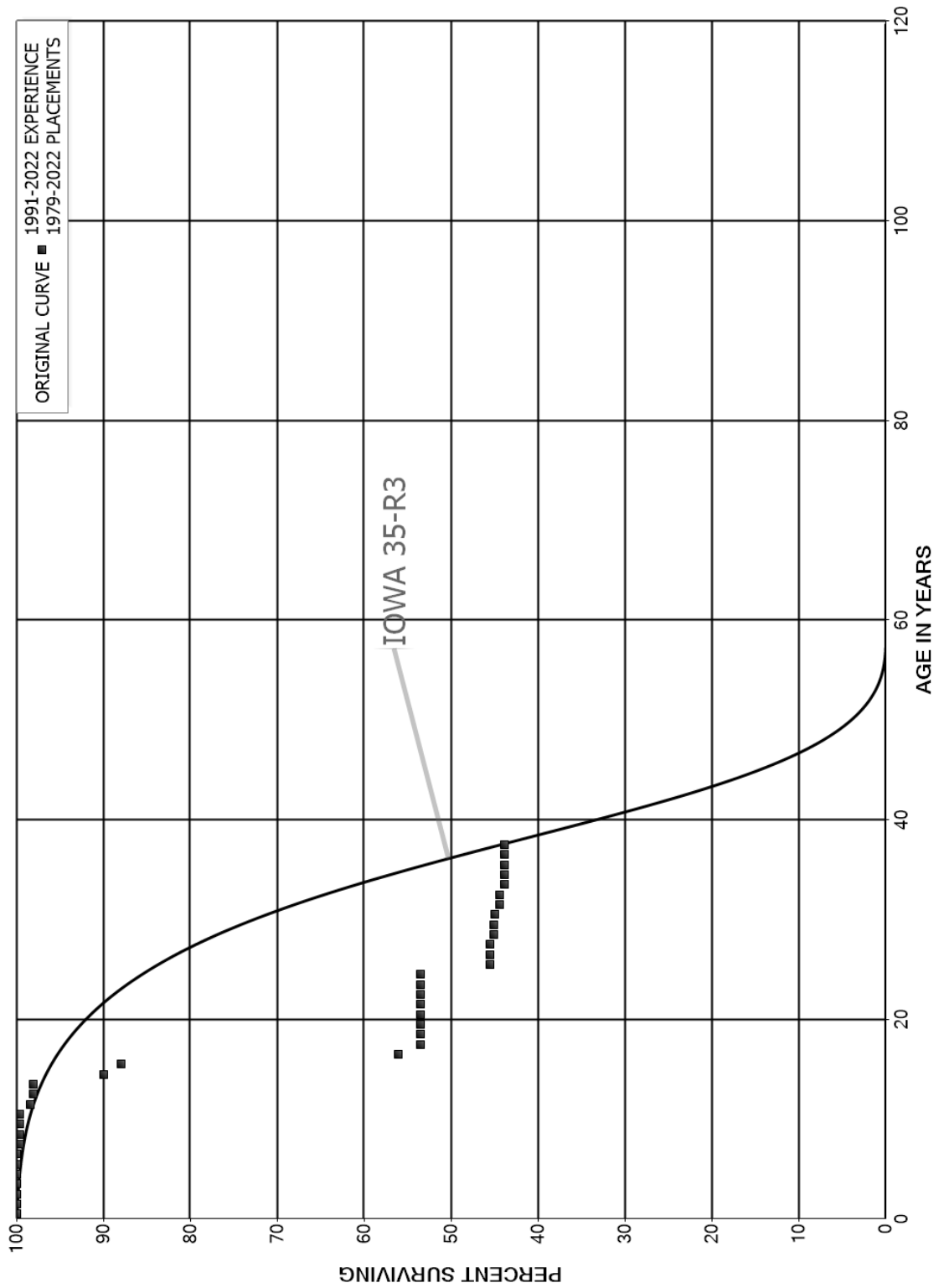
PLACEMENT BAND 1999-2020

EXPERIENCE BAND 1991-2022

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	779,669		0.0000	1.0000	100.00
0.5	779,669		0.0000	1.0000	100.00
1.5	779,669		0.0000	1.0000	100.00
2.5	751,984		0.0000	1.0000	100.00
3.5	678,226		0.0000	1.0000	100.00
4.5	579,453		0.0000	1.0000	100.00
5.5	555,182		0.0000	1.0000	100.00
6.5	437,596	4,747	0.0108	0.9892	100.00
7.5	419,886		0.0000	1.0000	98.92
8.5	419,066		0.0000	1.0000	98.92
9.5	411,711		0.0000	1.0000	98.92
10.5	411,711		0.0000	1.0000	98.92
11.5	321,955		0.0000	1.0000	98.92
12.5	321,955		0.0000	1.0000	98.92
13.5	321,955		0.0000	1.0000	98.92
14.5	321,853		0.0000	1.0000	98.92
15.5	319,047		0.0000	1.0000	98.92
16.5	298,330		0.0000	1.0000	98.92
17.5	264,498		0.0000	1.0000	98.92
18.5	196,794		0.0000	1.0000	98.92
19.5	141,341		0.0000	1.0000	98.92
20.5	101,514		0.0000	1.0000	98.92
21.5	37,901		0.0000	1.0000	98.92
22.5	37,901		0.0000	1.0000	98.92
23.5					98.92



ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1979-2022

EXPERIENCE BAND 1991-2022

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	6,208,821		0.0000	1.0000	100.00
0.5	5,987,616		0.0000	1.0000	100.00
1.5	5,925,291		0.0000	1.0000	100.00
2.5	5,691,755		0.0000	1.0000	100.00
3.5	3,672,997		0.0000	1.0000	100.00
4.5	2,638,745		0.0000	1.0000	100.00
5.5	2,248,139		0.0000	1.0000	100.00
6.5	2,152,378	7,841	0.0036	0.9964	100.00
7.5	2,064,938		0.0000	1.0000	99.64
8.5	2,038,385		0.0000	1.0000	99.64
9.5	1,888,285		0.0000	1.0000	99.64
10.5	1,853,250	22,901	0.0124	0.9876	99.64
11.5	1,634,209	5,745	0.0035	0.9965	98.40
12.5	1,392,678		0.0000	1.0000	98.06
13.5	1,372,632	112,683	0.0821	0.9179	98.06
14.5	1,195,060	27,032	0.0226	0.9774	90.01
15.5	743,033	269,265	0.3624	0.6376	87.97
16.5	279,901	12,846	0.0459	0.9541	56.09
17.5	230,137		0.0000	1.0000	53.52
18.5	184,176		0.0000	1.0000	53.52
19.5	161,760		0.0000	1.0000	53.52
20.5	162,631		0.0000	1.0000	53.52
21.5	162,631		0.0000	1.0000	53.52
22.5	162,631		0.0000	1.0000	53.52
23.5	154,661		0.0000	1.0000	53.52
24.5	147,019	21,953	0.1493	0.8507	53.52
25.5	128,061		0.0000	1.0000	45.53
26.5	161,077		0.0000	1.0000	45.53
27.5	357,188	3,492	0.0098	0.9902	45.53
28.5	386,572		0.0000	1.0000	45.08
29.5	1,887,948	3,670	0.0019	0.9981	45.08
30.5	2,652,443	34,917	0.0132	0.9868	44.99
31.5	2,581,048		0.0000	1.0000	44.40
32.5	2,371,765	27,970	0.0118	0.9882	44.40
33.5	2,521,572		0.0000	1.0000	43.88
34.5	1,327,876		0.0000	1.0000	43.88
35.5	514,928	127	0.0002	0.9998	43.88
36.5	329,199		0.0000	1.0000	43.87
37.5	1,500		0.0000	1.0000	43.87
38.5	1,500		0.0000	1.0000	43.87



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

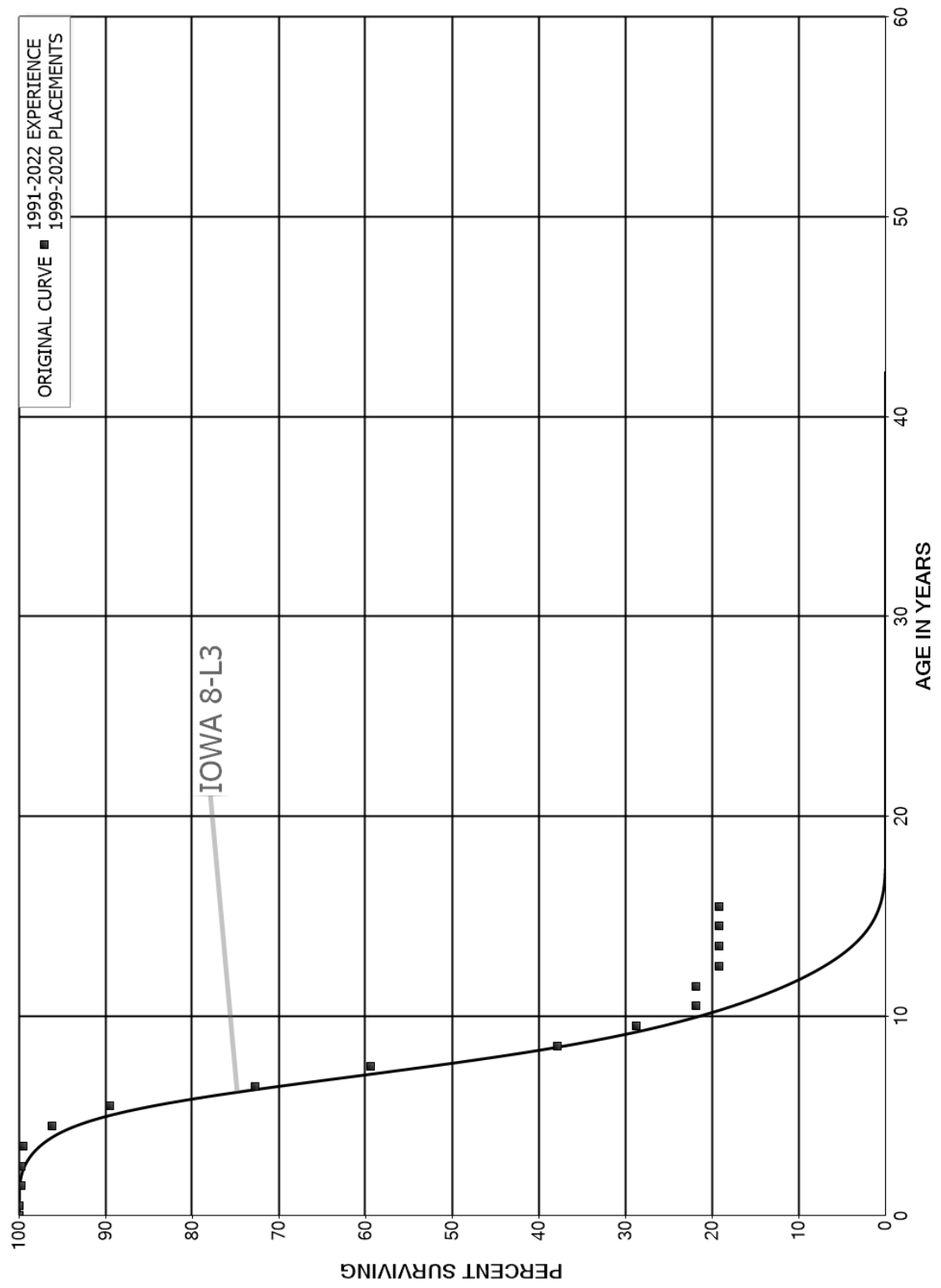
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1979-2022

EXPERIENCE BAND 1991-2022

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	1,500		0.0000	1.0000	43.87
40.5					43.87

ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 392.00 TRANSPORTATION EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 392.00 TRANSPORTATION EQUIPMENT

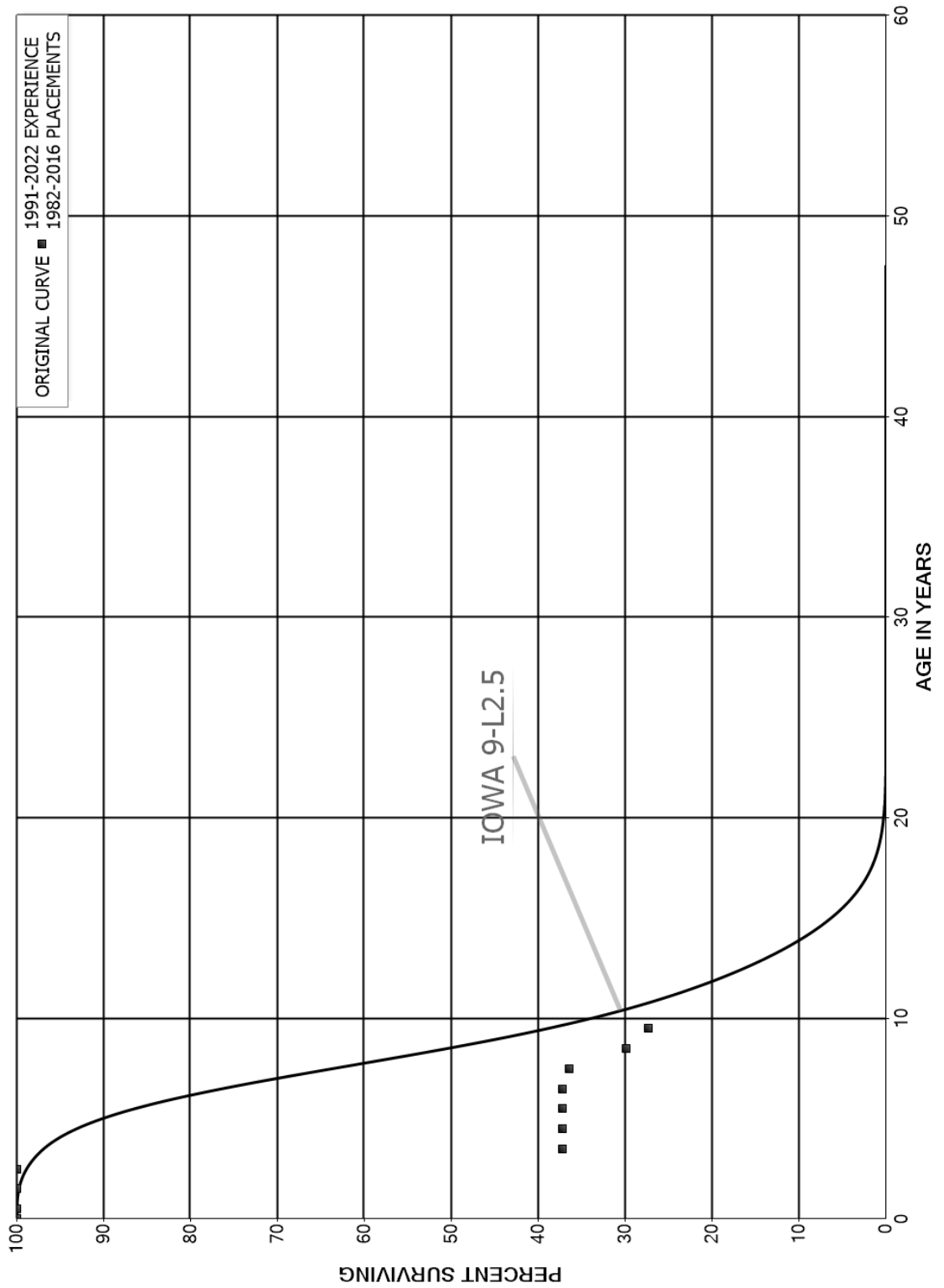
ORIGINAL LIFE TABLE

PLACEMENT BAND 1999-2020

EXPERIENCE BAND 1991-2022

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	1,405,107		0.0000	1.0000	100.00
0.5	1,405,107	3,505	0.0025	0.9975	100.00
1.5	1,401,602		0.0000	1.0000	99.75
2.5	843,468	2,490	0.0030	0.9970	99.75
3.5	844,657	27,555	0.0326	0.9674	99.46
4.5	789,206	55,217	0.0700	0.9300	96.21
5.5	754,483	141,485	0.1875	0.8125	89.48
6.5	645,079	117,762	0.1826	0.8174	72.70
7.5	530,629	192,699	0.3632	0.6368	59.43
8.5	411,107	98,900	0.2406	0.7594	37.85
9.5	312,207	74,780	0.2395	0.7605	28.74
10.5	179,991		0.0000	1.0000	21.86
11.5	177,943	21,933	0.1233	0.8767	21.86
12.5	101,603		0.0000	1.0000	19.16
13.5	76,489		0.0000	1.0000	19.16
14.5	73,177		0.0000	1.0000	19.16
15.5					19.16

ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 396.00 POWER OPERATED EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 396.00 POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE

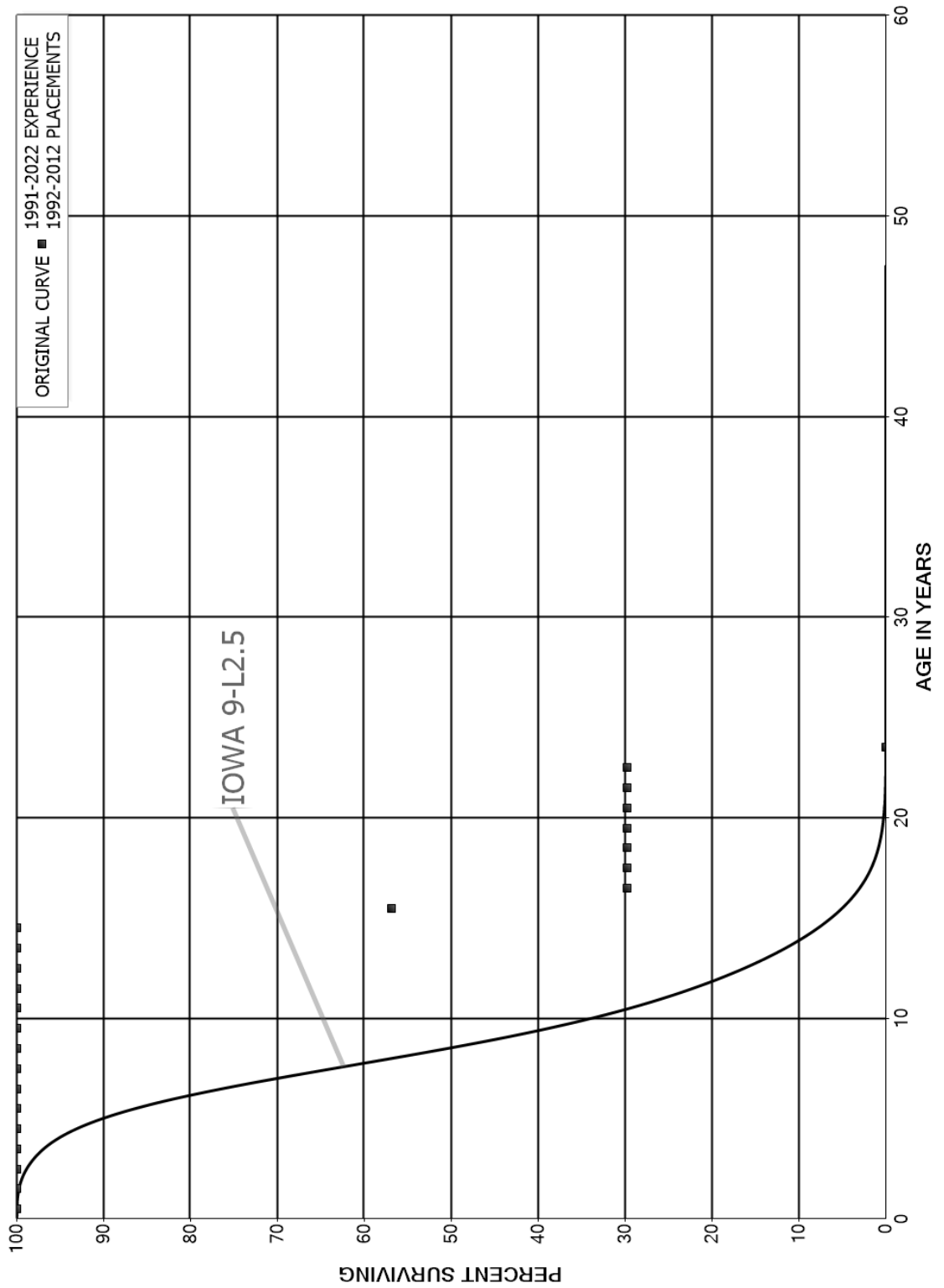
PLACEMENT BAND 1982-2016

EXPERIENCE BAND 1991-2022

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	559,247		0.0000	1.0000	100.00
0.5	559,247		0.0000	1.0000	100.00
1.5	559,247		0.0000	1.0000	100.00
2.5	559,247	351,086	0.6278	0.3722	100.00
3.5	208,161		0.0000	1.0000	37.22
4.5	208,161		0.0000	1.0000	37.22
5.5	208,161		0.0000	1.0000	37.22
6.5	208,161	4,772	0.0229	0.9771	37.22
7.5	199,069	35,825	0.1800	0.8200	36.37
8.5	184,609	15,842	0.0858	0.9142	29.82
9.5	168,767	33,886	0.2008	0.7992	27.26
10.5	134,881	39,614	0.2937	0.7063	21.79
11.5	95,268	8,116	0.0852	0.9148	15.39
12.5	87,152	23,865	0.2738	0.7262	14.08
13.5	63,288		0.0000	1.0000	10.22
14.5	63,288		0.0000	1.0000	10.22
15.5	63,288	5,419	0.0856	0.9144	10.22
16.5	57,869	18,222	0.3149	0.6851	9.35
17.5	39,647	2,353	0.0593	0.9407	6.40
18.5	37,294	15,928	0.4271	0.5729	6.02
19.5	21,366		0.0000	1.0000	3.45
20.5	21,366		0.0000	1.0000	3.45
21.5	21,366		0.0000	1.0000	3.45
22.5	21,366		0.0000	1.0000	3.45
23.5	21,366		0.0000	1.0000	3.45
24.5	21,366		0.0000	1.0000	3.45
25.5	21,366		0.0000	1.0000	3.45
26.5	21,366		0.0000	1.0000	3.45
27.5	21,366		0.0000	1.0000	3.45
28.5	21,366		0.0000	1.0000	3.45
29.5	21,366		0.0000	1.0000	3.45
30.5	21,366		0.0000	1.0000	3.45
31.5	21,366		0.0000	1.0000	3.45
32.5	21,366	21,366	1.0000		3.45
33.5					



ATMOS ENERGY CORPORATION
 TENNESSEE DIRECT PROPERTY
 ACCOUNT 396.03 POWER OPERATED EQUIPMENT - DITCHERS
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 396.03 POWER OPERATED EQUIPMENT - DITCHERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1992-2012

EXPERIENCE BAND 1991-2022

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	42,821		0.0000		
0.5	42,821		0.0000	1.0000	100.00
1.5	42,821		0.0000	1.0000	100.00
2.5	42,821		0.0000	1.0000	100.00
3.5	42,821		0.0000	1.0000	100.00
4.5	42,821		0.0000	1.0000	100.00
5.5	42,821		0.0000	1.0000	100.00
6.5	42,821		0.0000	1.0000	100.00
7.5	42,821		0.0000	1.0000	100.00
8.5	42,821		0.0000	1.0000	100.00
9.5	42,821		0.0000	1.0000	100.00
10.5	22,875		0.0000	1.0000	100.00
11.5	22,875		0.0000	1.0000	100.00
12.5	22,875		0.0000	1.0000	100.00
13.5	22,875		0.0000	1.0000	100.00
14.5	22,875	9,879	0.4319	0.5681	100.00
15.5	12,996	6,184	0.4759	0.5241	56.81
16.5	6,812		0.0000	1.0000	29.78
17.5	6,812		0.0000	1.0000	29.78
18.5	6,812		0.0000	1.0000	29.78
19.5	6,812		0.0000	1.0000	29.78
20.5	6,812		0.0000	1.0000	29.78
21.5	6,812		0.0000	1.0000	29.78
22.5	6,812	6,812	1.0000		29.78
23.5					

PART VIII. NET SALVAGE STATISTICS

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 367.01 MAINS - STEEL

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2009		1,214				1,214-	
2010							
2011		307				307-	
2012							
2013		11,597				11,597-	
2014	677,843	39,216	6		0	39,216-	6-
2015	44,158	774	2		0	774-	2-
2016	1,884	1,064	56		0	1,064-	56-
2017	916,847		0		0		0
2018							
2019	459	17,626			0	17,626-	
2020	51,499	113,783	221		0	113,783-	221-
2021							
2022							
TOTAL	1,692,690	185,581	11		0	185,581-	11-

THREE-YEAR MOVING AVERAGES

09-11		507				507-	
10-12		102				102-	
11-13		3,968				3,968-	
12-14	225,948	16,938	7		0	16,938-	7-
13-15	240,667	17,196	7		0	17,196-	7-
14-16	241,295	13,685	6		0	13,685-	6-
15-17	320,963	613	0		0	613-	0
16-18	306,244	355	0		0	355-	0
17-19	305,768	5,875	2		0	5,875-	2-
18-20	17,319	43,803	253		0	43,803-	253-
19-21	17,319	43,803	253		0	43,803-	253-
20-22	17,166	37,928	221		0	37,928-	221-

FIVE-YEAR AVERAGE

18-22	10,392	26,282	253		0	26,282-	253-
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ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 369.00 MEASURING AND REGULATING STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2016		279				279-	
2017							
2018							
2019							
2020							
2021							
2022							
TOTAL		279				279-	
THREE-YEAR MOVING AVERAGES							
16-18		93				93-	
17-19							
18-20							
19-21							
20-22							
FIVE-YEAR AVERAGE							
18-22							

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 375.00 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2015	577,157		0		0		0
2016							
2017							
2018							
2019							
2020							
2021							
2022							
TOTAL	577,157		0		0		0
THREE-YEAR MOVING AVERAGES							
15-17	192,386		0		0		0
16-18							
17-19							
18-20							
19-21							
20-22							
FIVE-YEAR AVERAGE							
18-22							

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.00 MAINS - CATHODIC PROTECTION

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2005	6,878		0		0		0
2006							
2007		30		25		5-	
2008							
2009							
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020		27				27-	
2021	3,520	2,567	73		0	2,567-	73-
2022							
TOTAL	10,398	2,625	25	25	0	2,599-	25-

THREE-YEAR MOVING AVERAGES

05-07	2,293	10	0	8	0	2-	0
06-08		10		8		2-	
07-09		10		8		2-	
08-10							
09-11							
10-12							
11-13							
12-14							
13-15							
14-16							
15-17							
16-18							
17-19							
18-20		9				9-	

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.00 MAINS - CATHODIC PROTECTION

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
19-21	1,173	865	74		0	865-	74-
20-22	1,173	865	74		0	865-	74-
FIVE-YEAR AVERAGE							
18-22	704	519	74		0	519-	74-

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.01 MAINS - STEEL

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2005	23,039	17,284	75		0	17,284-	75-
2006	299,871	337,333	112	36	0	337,297-	112-
2007	319,252	60,228	19		0	60,228-	19-
2008	219,258	38,969	18		0	38,969-	18-
2009	18,433	28,676	156		0	28,676-	156-
2010		11,035				11,035-	
2011							
2012							
2013	73,417	36,398	50		0	36,398-	50-
2014	214,637	62,078	29		0	62,078-	29-
2015	611,132	215,814	35		0	215,814-	35-
2016	283,885	201,936	71	32	0	201,904-	71-
2017	645,236	324,383	50		0	324,383-	50-
2018	258,916	178,477	69		0	178,477-	69-
2019	191,556	404,196	211		0	404,196-	211-
2020	410,348	710,128	173		0	710,128-	173-
2021	296,700	358,706	121		0	358,706-	121-
2022	714,050	374,058	52		0	374,058-	52-
TOTAL	4,579,729	3,359,698	73	68	0	3,359,630-	73-

THREE-YEAR MOVING AVERAGES

05-07	214,054	138,282	65	12	0	138,270-	65-
06-08	279,460	145,510	52	12	0	145,498-	52-
07-09	185,647	42,624	23		0	42,624-	23-
08-10	79,230	26,227	33		0	26,227-	33-
09-11	6,144	13,237	215		0	13,237-	215-
10-12		3,678				3,678-	
11-13	24,472	12,133	50		0	12,133-	50-
12-14	96,018	32,825	34		0	32,825-	34-
13-15	299,729	104,763	35		0	104,763-	35-
14-16	369,884	159,943	43	11	0	159,932-	43-
15-17	513,418	247,378	48	11	0	247,367-	48-
16-18	396,013	234,932	59	11	0	234,921-	59-
17-19	365,236	302,352	83		0	302,352-	83-
18-20	286,940	430,934	150		0	430,934-	150-

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.01 MAINS - STEEL

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
19-21	299,535	491,010	164		0	491,010-	164-
20-22	473,699	480,964	102		0	480,964-	102-
FIVE-YEAR AVERAGE							
18-22	374,314	405,113	108		0	405,113-	108-

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.02 MAINS - PLASTIC

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2005	9,371	1,005	11		0	1,005-	11-
2006	11,927	690	6	197	2	493-	4-
2007	20,214	6,063	30		0	6,063-	30-
2008	19,181	9,431	49		0	9,431-	49-
2009							
2010							
2011							
2012							
2013	590	10,266			0	10,266-	
2014							
2015	470,199	65,212	14		0	65,212-	14-
2016	84,488	143,005	169		0	143,005-	169-
2017	219,240	101,999	47		0	101,999-	47-
2018	150,867	94,283	62		0	94,283-	62-
2019	283,661	130,479	46		0	130,479-	46-
2020	234,172	320,453	137		0	320,453-	137-
2021	225,620	237,345	105		0	237,345-	105-
2022	1,784,348	223,935	13		0	223,935-	13-
TOTAL	3,513,878	1,344,164	38	197	0	1,343,967-	38-

THREE-YEAR MOVING AVERAGES

05-07	13,837	2,586	19	66	0	2,520-	18-
06-08	17,107	5,394	32	66	0	5,329-	31-
07-09	13,131	5,164	39		0	5,164-	39-
08-10	6,394	3,144	49		0	3,144-	49-
09-11							
10-12							
11-13	197	3,422			0	3,422-	
12-14	197	3,422			0	3,422-	
13-15	156,930	25,159	16		0	25,159-	16-
14-16	184,896	69,406	38		0	69,406-	38-
15-17	257,976	103,405	40		0	103,405-	40-
16-18	151,532	113,096	75		0	113,096-	75-
17-19	217,923	108,920	50		0	108,920-	50-
18-20	222,900	181,738	82		0	181,738-	82-

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.02 MAINS - PLASTIC

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
19-21	247,818	229,425	93		0	229,425-	93-
20-22	748,047	260,577	35		0	260,577-	35-
FIVE-YEAR AVERAGE							
18-22	535,733	201,299	38		0	201,299-	38-

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 378.00 MEASURING AND REGULATING STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2009	619		0		0		0
2010	11,093		0		0		0
2011	18,752	1,184	6		0	1,184-	6-
2012	13,924	445	3		0	445-	3-
2013	4,407	182	4		0	182-	4-
2014	27,335	1,294	5		0	1,294-	5-
2015	12,332	1,119	9		0	1,119-	9-
2016	27,517	3,902	14		0	3,902-	14-
2017	58,238	5,400	9		0	5,400-	9-
2018	77,665	62,537	81		0	62,537-	81-
2019	15,777	64,962	412		0	64,962-	412-
2020	19,079	54,535	286		0	54,535-	286-
2021	353,811	19,194	5		0	19,194-	5-
2022	24,641	119,306	484		0	119,306-	484-
TOTAL	665,189	334,059	50		0	334,059-	50-

THREE-YEAR MOVING AVERAGES

09-11	10,155	395	4		0	395-	4-
10-12	14,589	543	4		0	543-	4-
11-13	12,361	604	5		0	604-	5-
12-14	15,222	640	4		0	640-	4-
13-15	14,692	865	6		0	865-	6-
14-16	22,395	2,105	9		0	2,105-	9-
15-17	32,696	3,474	11		0	3,474-	11-
16-18	54,473	23,946	44		0	23,946-	44-
17-19	50,560	44,300	88		0	44,300-	88-
18-20	37,507	60,678	162		0	60,678-	162-
19-21	129,555	46,230	36		0	46,230-	36-
20-22	132,510	64,345	49		0	64,345-	49-

FIVE-YEAR AVERAGE

18-22	98,194	64,107	65		0	64,107-	65-
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ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 379.00 MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2015		182				182-	
2016							
2017	9,682	1,248	13		0	1,248-	13-
2018	2,949	1,329	45		0	1,329-	45-
2019							
2020							
2021	595,108	34,838	6		0	34,838-	6-
2022							
TOTAL	607,740	37,598	6		0	37,598-	6-

THREE-YEAR MOVING AVERAGES

15-17	3,227	477	15		0	477-	15-
16-18	4,210	859	20		0	859-	20-
17-19	4,210	859	20		0	859-	20-
18-20	983	443	45		0	443-	45-
19-21	198,369	11,613	6		0	11,613-	6-
20-22	198,369	11,613	6		0	11,613-	6-

FIVE-YEAR AVERAGE

18-22	119,612	7,234	6		0	7,234-	6-
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ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 380.00 SERVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2001	417,372	61,056	15		0	61,056-	15-
2002	180,772	85,954	48		0	85,954-	48-
2003	217,455	77,128	35		0	77,128-	35-
2004	193,210	42,696	22	40	0	42,656-	22-
2005	275,890	19,179	7	50	0	19,129-	7-
2006	372,314	63,798	17	44	0	63,753-	17-
2007	190,612	32,250	17	222-	0	32,473-	17-
2008	207,015	239,269	116		0	239,269-	116-
2009	678,630		0		0		0
2010	353,004	180,648	51		0	180,648-	51-
2011	423,401	347,706	82		0	347,706-	82-
2012	558,051	407,166	73		0	407,166-	73-
2013	1,749,371	262,004	15		0	262,004-	15-
2014	1,984,649	488,837	25		0	488,837-	25-
2015	1,190,608	260,128	22		0	260,128-	22-
2016	939,530	528,310	56	375	0	527,935-	56-
2017	1,228,905	98,306	8		0	98,306-	8-
2018	1,298,425	110,343	8		0	110,343-	8-
2019	3,371,688	333,867	10		0	333,867-	10-
2020	1,745,636	297,209	17		0	297,209-	17-
2021	1,269,869	297,247	23		0	297,247-	23-
2022	6,950,623	369,954	5		0	369,954-	5-
TOTAL	25,797,029	4,603,054	18	287	0	4,602,767-	18-

THREE-YEAR MOVING AVERAGES

01-03	271,866	74,713	27		0	74,713-	27-
02-04	197,146	68,593	35	13	0	68,579-	35-
03-05	228,852	46,334	20	30	0	46,304-	20-
04-06	280,472	41,891	15	45	0	41,846-	15-
05-07	279,606	38,409	14	43-	0	38,452-	14-
06-08	256,647	111,772	44	59-	0	111,832-	44-
07-09	358,752	90,507	25	74-	0	90,581-	25-
08-10	412,883	139,973	34		0	139,973-	34-
09-11	485,011	176,118	36		0	176,118-	36-
10-12	444,818	311,840	70		0	311,840-	70-
11-13	910,274	338,959	37		0	338,959-	37-
12-14	1,430,690	386,002	27		0	386,002-	27-
13-15	1,641,543	336,989	21		0	336,989-	21-
14-16	1,371,596	425,758	31	125	0	425,633-	31-
15-17	1,119,681	295,581	26	125	0	295,456-	26-

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 380.00 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							
16-18	1,155,620	245,653	21	125	0	245,528-	21-
17-19	1,966,339	180,838	9		0	180,838-	9-
18-20	2,138,583	247,140	12		0	247,140-	12-
19-21	2,129,064	309,441	15		0	309,441-	15-
20-22	3,322,043	321,470	10		0	321,470-	10-
FIVE-YEAR AVERAGE							
18-22	2,927,248	281,724	10		0	281,724-	10-

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 381.00 METERS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2001	13,776	2,373	17		0	2,373-	17-
2002							
2003	10,296	4,361	42		0	4,361-	42-
2004	4,414	4,830	109		0	4,830-	109-
2005	33,595	22-	0		0	22	0
2006							
2007	130,993	20,231	15		0	20,231-	15-
2008	67,893	6,318	9		0	6,318-	9-
2009	481,987	17,310	4		0	17,310-	4-
2010	1,157,473	53,032	5		0	53,032-	5-
2011	771,903	68,617	9		0	68,617-	9-
2012	75,069	50,713	68		0	50,713-	68-
2013	177,392	19,997	11		0	19,997-	11-
2014	344,369	17,267	5		0	17,267-	5-
2015	332,628	2,610	1		0	2,610-	1-
2016	401,885	108,420	27	13	0	108,406-	27-
2017	273,501	3,817	1		0	3,817-	1-
2018	220,699	3,282	1		0	3,282-	1-
2019	850,465	6,647	1		0	6,647-	1-
2020	381,364	35,423	9		0	35,423-	9-
2021	228,649	53,031	23		0	53,031-	23-
2022	1,026,081	27,236	3		0	27,236-	3-
TOTAL	6,984,431	505,494	7	13	0	505,481-	7-

THREE-YEAR MOVING AVERAGES

01-03	8,024	2,245	28		0	2,245-	28-
02-04	4,903	3,064	62		0	3,064-	62-
03-05	16,102	3,056	19		0	3,056-	19-
04-06	12,670	1,603	13		0	1,603-	13-
05-07	54,863	6,737	12		0	6,737-	12-
06-08	66,295	8,850	13		0	8,850-	13-
07-09	226,958	14,620	6		0	14,620-	6-
08-10	569,118	25,554	4		0	25,554-	4-
09-11	803,788	46,320	6		0	46,320-	6-
10-12	668,149	57,454	9		0	57,454-	9-
11-13	341,455	46,442	14		0	46,442-	14-
12-14	198,944	29,326	15		0	29,326-	15-
13-15	284,796	13,291	5		0	13,291-	5-
14-16	359,627	42,766	12	4	0	42,761-	12-
15-17	336,004	38,282	11	4	0	38,278-	11-

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 381.00 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							
16-18	298,695	38,506	13	4	0	38,502-	13-
17-19	448,222	4,582	1		0	4,582-	1-
18-20	484,176	15,117	3		0	15,117-	3-
19-21	486,826	31,701	7		0	31,701-	7-
20-22	545,364	38,563	7		0	38,563-	7-
FIVE-YEAR AVERAGE							
18-22	541,451	25,124	5		0	25,124-	5-

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 382.00 METER INSTALLATIONS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2001	61,628	39,348	64		0	39,348-	64-
2002	18,806	68,631	365		0	68,631-	365-
2003	131,291	60,408	46		0	60,408-	46-
2004	34,322	19,578	57		0	19,578-	57-
2005	15,312	12,501	82		0	12,501-	82-
2006	118,001	34,207	29	7	0	34,199-	29-
2007	313	113,445		1,749	559	111,696-	
2008	3,280	125,500			0	125,500-	
2009	588,768	77	0		0	77-	0
2010	39,375	185,558	471		0	185,558-	471-
2011	169,818	87,485	52	536	0	86,949-	51-
2012	84,904	83,820	99		0	83,820-	99-
2013	6,987	573-	8-		0	573	8
2014	11,130	9,423	85		0	9,423-	85-
2015	750,517	15,395	2		0	15,395-	2-
2016	517,067	625,401	121	2,387	0	623,014-	120-
2017	427,006	7,956	2		0	7,956-	2-
2018	372,498	5,609	2		0	5,609-	2-
2019	816,706	10,984	1		0	10,984-	1-
2020	286,075	68,442	24		0	68,442-	24-
2021	221,611	81,782	37		0	81,782-	37-
2022	836,365	52,512	6		0	52,512-	6-
TOTAL	5,511,780	1,707,488	31	4,679	0	1,702,809-	31-

THREE-YEAR MOVING AVERAGES

01-03	70,575	56,129	80		0	56,129-	80-
02-04	61,473	49,539	81		0	49,539-	81-
03-05	60,308	30,829	51		0	30,829-	51-
04-06	55,878	22,095	40	2	0	22,093-	40-
05-07	44,542	53,384	120	585	1	52,798-	119-
06-08	40,531	91,050	225	585	1	90,465-	223-
07-09	197,454	79,674	40	583	0	79,091-	40-
08-10	210,474	103,712	49		0	103,712-	49-
09-11	265,987	91,040	34	178	0	90,861-	34-
10-12	98,033	118,954	121	178	0	118,776-	121-
11-13	87,236	56,911	65	178	0	56,732-	65-
12-14	34,340	30,890	90		0	30,890-	90-
13-15	256,211	8,082	3		0	8,082-	3-
14-16	426,238	216,740	51	796	0	215,944-	51-
15-17	564,863	216,251	38	796	0	215,455-	38-

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 382.00 METER INSTALLATIONS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
16-18	438,857	212,989	49	796	0	212,193-	48-
17-19	538,737	8,183	2		0	8,183-	2-
18-20	491,760	28,345	6		0	28,345-	6-
19-21	441,464	53,736	12		0	53,736-	12-
20-22	448,017	67,579	15		0	67,579-	15-
FIVE-YEAR AVERAGE							
18-22	506,651	43,866	9		0	43,866-	9-

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 383.00 HOUSE REGULATORS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2007	727	365	50		0	365-	50-
2008		1,274-		3,939		5,213	
2009	3,904		0		0		0
2010							
2011							
2012	89,353	52,214	58		0	52,214-	58-
2013							
2014	558,131	17,248	3		0	17,248-	3-
2015	645,808	1,757	0		0	1,757-	0
2016	71,995	108,322	150	422	1	107,901-	150-
2017	104,580	2,136	2		0	2,136-	2-
2018	3,143	1,998	64		0	1,998-	64-
2019	20,862	2,247	11		0	2,247-	11-
2020	67,624	21,102	31		0	21,102-	31-
2021	26,727	22,359	84		0	22,359-	84-
2022	283,664	14,062	5		0	14,062-	5-
TOTAL	1,876,518	242,538	13	4,361	0	238,177-	13-

THREE-YEAR MOVING AVERAGES

07-09	1,544	303-	20-	1,313	85	1,616	105
08-10	1,301	425-	33-	1,313	101	1,738	134
09-11	1,301		0		0		0
10-12	29,784	17,405	58		0	17,405-	58-
11-13	29,784	17,405	58		0	17,405-	58-
12-14	215,828	23,154	11		0	23,154-	11-
13-15	401,313	6,335	2		0	6,335-	2-
14-16	425,312	42,443	10	141	0	42,302-	10-
15-17	274,128	37,405	14	141	0	37,265-	14-
16-18	59,906	37,486	63	141	0	37,345-	62-
17-19	42,862	2,127	5		0	2,127-	5-
18-20	30,543	8,449	28		0	8,449-	28-
19-21	38,404	15,236	40		0	15,236-	40-
20-22	126,005	19,174	15		0	19,174-	15-

FIVE-YEAR AVERAGE

18-22	80,404	12,354	15		0	12,354-	15-
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ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 385.00 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2007		15				15-	
2008							
2009							
2010							
2011	4,747		0		0		0
2012							
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							
2021							
2022							
TOTAL	4,747	15	0		0	15-	0

THREE-YEAR MOVING AVERAGES

07-09		5				5-	
08-10							
09-11	1,582		0		0		0
10-12	1,582		0		0		0
11-13	1,582		0		0		0
12-14							
13-15							
14-16							
15-17							
16-18							
17-19							
18-20							
19-21							
20-22							

FIVE-YEAR AVERAGE

18-22

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2014	300,007		0		0		0
2015	222,465		0		0		0
2016							
2017							
2018							
2019							
2020							
2021							
2022	27,970		0		0		0
TOTAL	550,442		0		0		0
THREE-YEAR MOVING AVERAGES							
14-16	174,157		0		0		0
15-17	74,155		0		0		0
16-18							
17-19							
18-20							
19-21							
20-22	9,323		0		0		0
FIVE-YEAR AVERAGE							
18-22	5,594		0		0		0

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 392.00 TRANSPORTATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2005	112,694		0	2,509	2	2,509	2
2006	12,193		0	3,541	29	3,541	29
2007	238,709		0	6,624	3	6,624	3
2008				5,273		5,273	
2009	199,945		0	13,609	7	13,609	7
2010	21,458		0	17,808	83	17,808	83
2011				65,566		65,566	
2012	13,828		0		0		0
2013	2,373		0	10,489	442	10,489	442
2014	21,816		0		0		0
2015	5,152		0		0		0
2016				31,361		31,361	
2017	36,206		0		0		0
2018				13,455		13,455	
2019	56,547		0	6,080	11	6,080	11
2020	5,751		0	26,525	461	26,525	461
2021	9,895		0		0		0
2022							
TOTAL	736,567		0	202,839	28	202,839	28

THREE-YEAR MOVING AVERAGES

05-07	121,198		0	4,224	3	4,224	3
06-08	83,634		0	5,146	6	5,146	6
07-09	146,218		0	8,502	6	8,502	6
08-10	73,801		0	12,230	17	12,230	17
09-11	73,801		0	32,327	44	32,327	44
10-12	11,762		0	27,791	236	27,791	236
11-13	5,400		0	25,352	469	25,352	469
12-14	12,672		0	3,496	28	3,496	28
13-15	9,780		0	3,496	36	3,496	36
14-16	8,989		0	10,454	116	10,454	116
15-17	13,786		0	10,454	76	10,454	76
16-18	12,069		0	14,939	124	14,939	124
17-19	30,918		0	6,512	21	6,512	21
18-20	20,766		0	15,353	74	15,353	74

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 392.00 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							
19-21	24,064		0	10,868	45	10,868	45
20-22	5,215		0	8,842	170	8,842	170
FIVE-YEAR AVERAGE							
18-22	14,439		0	9,212	64	9,212	64

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 396.00 POWER OPERATED EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2006	670,213		0		0		0
2007							
2008	5,827		0	1,468	25	1,468	25
2009	20,474		0		0		0
2010							
2011	36,899		0	4,805	13	4,805	13
2012	265,592		0	73,500	28	73,500	28
2013							
2014	33,917		0	229	1	229	1
2015	46,310		0		0		0
2016							
2017							
2018	32,579		0	6,635	20	6,635	20
2019	101,336		0	9,000	9	9,000	9
2020	29,850		0		0		0
2021							
2022	9,336		0		0		0
TOTAL	1,252,333		0	95,638	8	95,638	8

THREE-YEAR MOVING AVERAGES

06-08	225,347		0	489	0	489	0
07-09	8,767		0	489	6	489	6
08-10	8,767		0	489	6	489	6
09-11	19,124		0	1,602	8	1,602	8
10-12	100,830		0	26,102	26	26,102	26
11-13	100,830		0	26,102	26	26,102	26
12-14	99,836		0	24,576	25	24,576	25
13-15	26,742		0	76	0	76	0
14-16	26,742		0	76	0	76	0
15-17	15,437		0		0		0
16-18	10,860		0	2,212	20	2,212	20
17-19	44,638		0	5,212	12	5,212	12
18-20	54,588		0	5,212	10	5,212	10
19-21	43,729		0	3,000	7	3,000	7
20-22	13,062		0		0		0

FIVE-YEAR AVERAGE

18-22	34,620		0	3,127	9	3,127	9
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ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 396.03 POWER OPERATED EQUIPMENT - DITCHERS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2006	205,018		0		0		0
2007							
2008							
2009							
2010							
2011							
2012							
2013	9,879		0	5,645	57	5,645	57
2014	6,184		0		0		0
2015	6,812		0		0		0
2016							
2017							
2018							
2019							
2020							
2021							
2022							
TOTAL	227,893		0	5,645	2	5,645	2

THREE-YEAR MOVING AVERAGES

06-08	68,339		0		0		0
07-09							
08-10							
09-11							
10-12							
11-13	3,293		0	1,882	57	1,882	57
12-14	5,354		0	1,882	35	1,882	35
13-15	7,625		0	1,882	25	1,882	25
14-16	4,332		0		0		0
15-17	2,271		0		0		0
16-18							
17-19							
18-20							
19-21							
20-22							

FIVE-YEAR AVERAGE

18-22

PART IX. DETAILED DEPRECIATION CALCULATIONS

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 365.20 RIGHTS OF WAY

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
1993	6,069.15	2,498	2,193	3,876	41.19	94
1997	1,686.39	602	528	1,158	45.02	26
1998	110.40	38	33	77	45.98	2
2000	341,105.07	107,547	94,397	246,708	47.93	5,147
	348,971.01	110,685	97,151	251,820		5,269
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						47.8 1.51

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 366.00 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 30-R3						
NET SALVAGE PERCENT.. 0						
1998	2,679.36	1,852	2,015	664	9.26	72
	2,679.36	1,852	2,015	664		72
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 9.2						2.69

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 367.00 MAINS - CATHODIC PROTECTION

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-R4						
NET SALVAGE PERCENT.. 0						
2012	91,687.07	37,042	35,352	56,335	14.90	3,781
	91,687.07	37,042	35,352	56,335		3,781
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 14.9						4.12

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 367.01 MAINS - STEEL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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.. -10						
1950	42,157.46	40,608	33,374	12,999	7.46	1,742
1951	49,553.08	47,459	39,005	15,503	7.76	1,998
1952	57,685.05	54,908	45,127	18,327	8.08	2,268
1953	66,516.91	62,913	51,706	21,463	8.41	2,552
1954	76,026.38	71,433	58,708	24,921	8.75	2,848
1955	86,193.06	80,417	66,092	28,720	9.11	3,153
1956	96,906.08	89,773	73,781	32,816	9.47	3,465
1957	108,093.20	99,382	81,678	37,225	9.85	3,779
1958	119,653.46	109,134	89,693	41,926	10.25	4,090
1959	131,500.91	118,951	97,761	46,890	10.66	4,399
1960	143,508.72	128,682	105,759	52,101	11.09	4,698
1961	155,545.92	138,220	113,598	57,503	11.53	4,987
1962	167,510.55	147,441	121,176	63,086	11.99	5,262
1963	179,291.56	156,264	128,428	68,793	12.46	5,521
1964	190,749.61	164,538	135,228	74,597	12.95	5,760
1965	201,814.66	172,196	141,522	80,474	13.46	5,979
1966	212,333.71	179,146	147,233	86,334	13.98	6,176
1967	222,256.79	185,318	152,306	92,176	14.52	6,348
1968	231,542.53	190,725	156,750	97,947	15.07	6,499
1969	240,144.12	195,300	160,510	103,649	15.64	6,627
1970	248,035.26	199,082	163,618	109,221	16.22	6,734
1971	255,175.53	202,006	166,021	114,672	16.82	6,818
1972	261,540.69	204,119	167,758	119,937	17.43	6,881
1973	267,195.59	205,497	168,890	125,025	18.05	6,927
1974	272,180.88	206,136	169,416	129,983	18.69	6,955
1975	276,482.33	206,100	169,386	134,745	19.34	6,967
1976	280,227.15	205,501	168,894	139,356	20.00	6,968
1977	283,328.54	204,241	167,858	143,803	20.68	6,954
1978	286,019.22	202,563	166,479	148,142	21.37	6,932
1979	288,216.99	200,422	164,719	152,320	22.07	6,902
1980	290,072.18	197,935	162,676	156,403	22.78	6,866
1981	291,651.68	195,163	160,397	160,420	23.50	6,826
1982	292,791.65	192,009	157,805	164,266	24.23	6,779
1983	293,673.88	188,601	155,004	168,037	24.97	6,730
1984	294,343.57	184,984	152,032	171,746	25.72	6,678
1985	294,844.35	181,193	148,916	175,413	26.48	6,624
1986	295,224.13	177,204	145,637	179,110	27.26	6,570
1987	295,509.77	173,150	142,306	182,755	28.04	6,518
1988	295,730.68	169,051	138,937	186,367	28.82	6,467
1989	295,867.88	164,787	135,432	190,023	29.62	6,415
1990	295,950.26	160,438	131,858	193,687	30.43	6,365



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 367.01 MAINS - STEEL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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.. -10						
1991	296,020.34	156,081	128,277	197,345	31.24	6,317
1992	296,074.60	151,605	124,599	201,083	32.07	6,270
1993	296,193.42	147,160	120,945	204,868	32.90	6,227
1994	296,254.07	142,628	117,221	208,658	33.74	6,184
1995	296,259.40	138,012	113,427	212,458	34.59	6,142
1996	296,262.06	133,396	109,633	216,255	35.44	6,102
1997	296,263.81	128,671	105,750	220,140	36.31	6,063
1998	296,263.79	123,946	101,867	224,023	37.18	6,025
2011	47,024.42	9,414	7,737	43,990	49.08	896
2013	91,140.55	15,055	12,373	87,882	50.99	1,724
2015	493,818.50	64,098	52,680	490,520	52.92	9,269
	11,734,620.93	7,663,056	6,297,983	6,610,100		291,246
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 22.7						2.48

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 369.00 MEASURING AND REGULATING STATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
1964	387.95	367	407			
1966	152.63	142	160			
1967	99.98	93	105			
1968	6,244.85	5,745	6,557			
1980	184,247.07	148,534	174,119	19,340	10.45	1,851
1981	3,373.54	2,677	3,138	404	10.99	37
1982	1,269,841.04	991,106	1,161,824	171,509	11.55	14,849
1988	22,986.19	15,929	18,673	5,462	15.30	357
1992	106,696.39	66,895	78,418	33,613	18.13	1,854
1997	192.39	103	121	81	21.97	4
1998	34,968.65	18,138	21,262	15,455	22.77	679
2015	61,665.73	10,144	11,891	52,858	37.95	1,393
	1,690,856.41	1,259,873	1,476,675	298,724		21,024
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 14.2 1.24						

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 374.02 LAND RIGHTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
1960	15.00	12	13	2	14.54	
1964	574.18	433	464	110	17.18	6
1965	16.60	12	13	4	17.87	
1966	10.00	7	8	2	18.57	
1969	713.62	502	538	176	20.72	8
1970	1,153.74	800	858	296	21.46	14
1978	44.42	27	29	15	27.77	1
1980	6,432.48	3,726	3,996	2,436	29.45	83
1981	2,815.00	1,596	1,712	1,103	30.30	36
1983	8,500.00	4,609	4,943	3,557	32.04	111
1984	13,098.81	6,939	7,441	5,658	32.92	172
1985	2,350.00	1,215	1,303	1,047	33.81	31
1986	1,574.00	794	851	723	34.71	21
1987	133.46	66	71	62	35.61	2
1988	47,913.81	22,910	24,569	23,345	36.53	639
1989	5,275.14	2,453	2,631	2,644	37.45	71
1990	50,568.95	22,850	24,504	26,065	38.37	679
1991	2,580.00	1,131	1,213	1,367	39.31	35
1992	20,337.28	8,643	9,269	11,068	40.25	275
1994	2,882.58	1,147	1,230	1,653	42.14	39
1995	15,976.80	6,142	6,587	9,390	43.09	218
1997	3,219.00	1,149	1,232	1,987	45.02	44
1998	5,871.56	2,015	2,161	3,711	45.98	81
1999	4,395.13	1,447	1,552	2,843	46.95	61
2000	134,343.06	42,357	45,424	88,919	47.93	1,855
2001	29,469.24	8,883	9,526	19,943	48.90	408
2002	56,974.93	16,376	17,562	39,413	49.88	790
2003	96,808.05	26,470	28,386	68,422	50.86	1,345
2004	30,799.51	7,986	8,564	22,236	51.85	429
2005	69,421.53	17,028	18,261	51,161	52.83	968
2006	53,281.16	12,315	13,207	40,074	53.82	745
2011	15,934.20	2,554	2,739	13,195	58.78	224
2012	142,929.08	20,888	22,400	120,529	59.77	2,017
2014	3,016.27	355	381	2,635	61.77	43
2015	66,082.99	6,835	7,330	58,753	62.76	936
2016	197,496.04	17,605	18,880	178,616	63.76	2,801
2017	63,963.69	4,788	5,135	58,829	64.76	908
2018	546,693.26	33,113	35,510	511,183	65.76	7,773
2019	2,245,937.62	104,279	111,828	2,134,110	66.75	31,972

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 374.02 LAND RIGHTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
2020	198,428.30	6,377	6,839	191,589	67.75	2,828
2021	567,371.47	10,133	10,867	556,504	68.75	8,095
2022	452,458.84	2,394	2,567	449,892	69.63	6,461
	5,167,860.80	431,361	462,594	4,705,267		73,225
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 64.3 1.42						

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 375.00 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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.. 0						
1983	471.22	368	363	108	9.84	11
1987	837.37	603	595	242	12.58	19
1990	1,601.46	1,074	1,059	542	14.81	37
2002	30,230.73	13,355	13,169	17,062	25.12	679
2003	4,666.06	1,964	1,937	2,729	26.06	105
2012	3,789.32	860	848	2,941	34.79	85
2015	245,760.06	39,486	38,937	206,823	37.77	5,476
2017	51,155.51	5,957	5,874	45,282	39.76	1,139
2019	2,033.87	147	145	1,889	41.75	45
2020	3,989.68	199	196	3,794	42.75	89
	344,535.28	64,013	63,123	281,412		7,685

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 36.6 2.23

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.00 MAINS - CATHODIC PROTECTION

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-R4						
NET SALVAGE PERCENT.. 0						
1983	98.21	98	98			
1984	18,510.05	18,510	18,510			
1989	38,805.19	37,144	38,805			
1998	42,253.36	35,442	42,253			
1999	38,777.44	31,689	38,777			
2001	47.09	36	47			
2002	229.03	169	219	10	6.52	2
2003	1,843.60	1,310	1,697	147	7.23	20
2004	6,173.91	4,206	5,448	726	7.97	91
2006	658.06	407	527	131	9.55	14
2007	7,294.62	4,266	5,526	1,769	10.38	170
2008	11,854.39	6,525	8,452	3,402	11.24	303
2009	28,914.75	14,897	19,297	9,618	12.12	794
2010	19,118.60	9,154	11,857	7,262	13.03	557
2011	132,321.91	58,486	75,759	56,563	13.95	4,055
2012	77,927.17	31,483	40,781	37,146	14.90	2,493
2013	143,552.22	52,540	68,057	75,495	15.85	4,763
2014	53,683.22	17,565	22,753	30,930	16.82	1,839
2015	66,961.37	19,285	24,980	41,981	17.80	2,358
2016	82,430.60	20,509	26,566	55,865	18.78	2,975
2017	166,236.10	34,777	45,048	121,188	19.77	6,130
2018	125,302.36	21,251	27,527	97,775	20.76	4,710
2019	334,235.68	43,317	56,110	278,126	21.76	12,782
2020	137,617.35	12,386	16,044	121,573	22.75	5,344
2021	268,894.11	13,445	17,416	251,478	23.75	10,589
2022	134,318.53	1,988	2,575	131,744	24.63	5,349
	1,938,058.92	490,885	615,129	1,322,930		65,338

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 20.2 3.37



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.01 MAINS - STEEL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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.. -40						
1950	76,259.80	86,784	90,761	16,003	13.10	1,222
1951	77,691.82	87,714	91,733	17,036	13.55	1,257
1952	93,013.28	104,157	108,930	21,289	14.01	1,520
1953	110,193.73	122,359	127,966	26,305	14.48	1,817
1954	127,739.41	140,589	147,031	31,804	14.97	2,125
1955	146,757.63	160,054	167,388	38,073	15.47	2,461
1956	166,313.14	179,684	187,917	44,921	15.98	2,811
1957	187,543.76	200,634	209,827	52,734	16.51	3,194
1958	204,333.48	216,390	226,305	59,762	17.05	3,505
1959	231,846.01	242,974	254,107	70,477	17.60	4,004
1960	259,919.17	269,433	281,779	82,108	18.17	4,519
1961	285,679.79	292,821	306,238	93,714	18.75	4,998
1962	309,659.08	313,745	328,121	105,402	19.34	5,450
1963	330,753.20	331,084	346,255	116,799	19.95	5,855
1964	357,637.55	353,634	369,838	130,855	20.56	6,365
1965	379,045.88	370,027	386,982	143,682	21.19	6,781
1966	405,447.12	390,606	408,504	159,122	21.83	7,289
1967	421,693.87	400,780	419,144	171,227	22.48	7,617
1968	452,327.90	423,923	443,347	189,912	23.14	8,207
1969	459,235.57	424,244	443,683	199,247	23.81	8,368
1970	490,227.55	446,107	466,548	219,771	24.50	8,970
1971	506,426.94	453,858	474,654	234,344	25.19	9,303
1972	523,276.70	461,633	482,785	249,802	25.89	9,649
1973	531,595.60	461,425	482,568	261,666	26.60	9,837
1974	543,180.15	463,655	484,900	275,552	27.32	10,086
1975	552,998.05	463,969	485,228	288,969	28.05	10,302
1976	559,782.30	461,369	482,509	301,186	28.79	10,461
1977	575,970.48	466,075	487,431	318,928	29.54	10,796
1978	582,553.61	462,545	483,739	331,836	30.30	10,952
1979	590,741.25	460,073	481,154	345,884	31.06	11,136
1980	597,187.97	455,897	476,787	359,276	31.83	11,287
1981	603,141.61	451,027	471,693	372,705	32.61	11,429
1982	600,348.69	439,458	459,594	380,894	33.40	11,404
1983	602,831.42	431,747	451,530	392,434	34.19	11,478
1984	614,816.55	430,372	450,092	410,651	35.00	11,733
1985	608,661.37	416,204	435,275	416,851	35.81	11,641
1986	615,527.90	410,929	429,758	431,981	36.62	11,796
1987	610,869.02	397,676	415,898	439,319	37.45	11,731
1988	620,833.65	393,854	411,901	457,266	38.28	11,945
1989	623,236.52	384,908	402,545	469,986	39.12	12,014
1990	616,903.39	370,633	387,616	476,049	39.96	11,913

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.01 MAINS - STEEL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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.. -40						
1991	618,171.22	360,767	377,298	488,142	40.82	11,958
1992	618,947.16	350,692	366,761	499,765	41.67	11,993
1993	621,209.56	341,172	356,805	512,888	42.54	12,057
1994	623,343.40	331,497	346,686	525,995	43.41	12,117
1995	615,647.03	316,569	331,074	530,832	44.29	11,985
1996	627,260.05	311,494	325,767	552,397	45.17	12,229
1997	621,236.55	297,448	311,077	558,654	46.06	12,129
1998	620,731.75	286,031	299,137	569,887	46.96	12,136
1999	828,566.26	366,894	383,705	776,288	47.86	16,220
2000	451,419.67	191,676	200,459	431,529	48.77	8,848
2001	501,699.82	203,894	213,237	489,143	49.68	9,846
2002	1,940,899.86	753,469	787,994	1,929,266	50.59	38,135
2003	2,933,256.95	1,084,132	1,133,808	2,972,752	51.52	57,701
2004	1,792,690.13	629,600	658,449	1,851,317	52.44	35,304
2005	1,573,378.43	522,994	546,958	1,655,772	53.38	31,019
2006	1,296,505.45	406,838	425,480	1,389,628	54.31	25,587
2007	9,231,607.98	2,723,269	2,848,051	10,076,200	55.25	182,375
2008	1,251,121.07	345,304	361,126	1,390,443	56.20	24,741
2009	1,447,382.38	371,974	389,018	1,637,317	57.15	28,649
2010	486,747.96	115,846	121,154	560,293	58.10	9,644
2011	613,418.66	134,340	140,496	718,290	59.05	12,164
2012	527,196.71	105,331	110,157	627,918	60.01	10,464
2013	185,210.10	33,413	34,944	224,350	60.98	3,679
2014	10,701,543.87	1,725,046	1,804,089	13,178,072	61.94	212,755
2015	2,284,574.56	323,966	338,810	2,859,594	62.91	45,455
2016	4,793,933.95	586,787	613,674	6,097,834	63.88	95,458
2017	5,308,207.79	546,735	571,787	6,859,704	64.85	105,778
2018	11,694,309.93	975,282	1,019,971	15,352,063	65.83	233,208
2019	6,105,939.97	389,547	407,397	8,140,919	66.81	121,852
2020	16,863,912.92	745,351	779,503	22,829,975	67.79	336,775
2021	7,886,032.79	193,981	202,870	10,837,576	68.77	157,592
2022	7,299,738.02	54,062	56,539	10,163,094	69.63	145,959
	120,220,043.86	30,420,451	31,814,342	136,493,719		2,365,040

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 57.7 1.97

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.02 MAINS - PLASTIC

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
1970	2,214,873.42	2,150,204	2,344,983	755,840	21.46	35,221
1971	2,297,835.02	2,196,257	2,395,207	821,762	22.21	37,000
1972	2,369,920.84	2,228,659	2,430,545	887,344	22.98	38,614
1973	2,435,171.49	2,252,519	2,456,566	952,674	23.75	40,113
1974	2,493,429.83	2,267,520	2,472,926	1,017,876	24.53	41,495
1975	2,545,659.28	2,274,816	2,480,883	1,083,040	25.32	42,774
1976	2,591,280.16	2,273,574	2,479,528	1,148,264	26.13	43,944
1977	2,630,748.94	2,265,590	2,470,821	1,212,228	26.94	44,997
1978	2,650,606.00	2,238,718	2,441,515	1,269,333	27.77	45,709
1979	2,692,668.67	2,229,535	2,431,500	1,338,236	28.60	46,791
1980	2,717,007.96	2,203,510	2,403,117	1,400,694	29.45	47,562
1981	2,722,611.44	2,161,743	2,357,567	1,454,089	30.30	47,990
1982	2,753,699.72	2,138,507	2,332,226	1,522,954	31.17	48,860
1983	2,766,976.72	2,100,705	2,291,000	1,582,767	32.04	49,400
1984	2,764,184.94	2,049,903	2,235,596	1,634,263	32.92	49,643
1985	2,787,557.38	2,017,634	2,200,404	1,702,176	33.81	50,345
1986	2,795,444.79	1,973,014	2,151,742	1,761,881	34.71	50,760
1987	2,787,383.79	1,917,179	2,090,849	1,811,488	35.61	50,870
1988	2,791,216.54	1,868,429	2,037,683	1,870,020	36.53	51,191
1989	2,810,253.05	1,829,475	1,995,200	1,939,154	37.45	51,780
1990	2,813,155.00	1,779,613	1,940,821	1,997,596	38.37	52,061
1991	2,815,751.69	1,728,314	1,884,875	2,057,177	39.31	52,332
1992	2,818,456.75	1,676,982	1,828,893	2,116,946	40.25	52,595
1993	2,821,347.58	1,625,655	1,772,917	2,176,970	41.19	52,852
1994	2,822,240.11	1,572,552	1,715,003	2,236,133	42.14	53,064
1995	2,823,969.21	1,519,866	1,657,545	2,296,012	43.09	53,284
1996	2,824,966.13	1,466,140	1,598,952	2,356,001	44.05	53,485
1997	2,826,169.33	1,411,966	1,539,871	2,416,766	45.02	53,682
1998	2,829,239.15	1,359,155	1,482,276	2,478,659	45.98	53,907
1999	5,442,722.01	2,509,128	2,736,420	4,883,391	46.95	104,013
2000	2,370,575.84	1,046,386	1,141,174	2,177,632	47.93	45,434
2001	2,116,075.53	892,988	973,880	1,988,626	48.90	40,667
2002	2,158,629.19	868,637	947,323	2,074,758	49.88	41,595
2003	4,562,789.17	1,746,645	1,904,867	4,483,038	50.86	88,145
2004	3,245,664.25	1,178,196	1,284,924	3,259,006	51.85	62,855
2005	4,228,662.38	1,452,148	1,583,693	4,336,434	52.83	82,083
2006	7,157,076.66	2,316,001	2,525,799	7,494,108	53.82	139,244
2007	5,384,044.56	1,635,673	1,783,842	5,753,820	54.81	104,978
2008	5,784,760.34	1,642,895	1,791,719	6,306,945	55.80	113,028
2009	5,779,393.51	1,526,881	1,665,195	6,425,956	56.79	113,153
2010	3,983,689.16	973,606	1,061,801	4,515,364	57.78	78,148

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.02 MAINS - PLASTIC

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
2011	4,836,972.52	1,085,446	1,183,772	5,587,990	58.78	95,066
2012	6,802,862.27	1,391,838	1,517,919	8,006,088	59.77	133,948
2013	10,429,754.97	1,925,374	2,099,786	12,501,871	60.77	205,724
2014	8,465,948.55	1,393,478	1,519,708	10,332,620	61.77	167,276
2015	9,414,229.12	1,363,199	1,486,686	11,693,235	62.76	186,317
2016	14,953,164.65	1,866,095	2,035,137	18,899,294	63.76	296,413
2017	16,848,110.43	1,765,749	1,925,702	21,661,653	64.76	334,491
2018	12,023,585.55	1,019,576	1,111,936	15,721,084	65.76	239,068
2019	22,751,904.96	1,478,919	1,612,888	30,239,779	66.75	453,030
2020	24,490,706.50	1,101,984	1,201,809	33,085,180	67.75	488,342
2021	19,726,575.68	493,243	537,924	27,079,282	68.75	393,880
2022	26,482,078.06	196,126	213,892	36,861,017	69.63	529,384
	307,453,800.79	89,647,945	97,768,807	332,666,514		5,928,603
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						56.1 1.93



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.03 MAINS - ANODES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
2002	3,122.39	3,122	3,122			
2003	25,259.09	24,312	24,214	1,045	0.75	1,045
2004	31,811.03	29,028	28,911	2,900	1.75	1,657
2005	84,802.68	73,142	72,846	11,957	2.75	4,348
2006	76,607.73	62,244	61,993	14,615	3.75	3,897
2007	4,394.18	3,351	3,337	1,057	4.75	223
2008	71,225.76	50,748	50,543	20,683	5.75	3,597
2009	134,157.10	88,879	88,520	45,637	6.75	6,761
2010	43,857.57	26,863	26,754	17,104	7.75	2,207
2011	6,988.43	3,931	3,915	3,073	8.75	351
2012	149,451.94	76,594	76,285	73,167	9.75	7,504
2013	3,975.90	1,839	1,832	2,144	10.75	199
2015	4,034.10	1,462	1,456	2,578	12.75	202
2016	142,497.57	44,530	44,350	98,148	13.75	7,138
2017	76,712.42	20,137	20,056	56,656	14.75	3,841
2019	4,725.84	768	765	3,961	16.75	236
2020	26,134.52	2,940	2,928	23,207	17.75	1,307
2021	217,141.50	13,571	13,516	203,626	18.75	10,860
2022	207,624.72	3,945	3,929	203,696	19.62	10,382
	1,314,524.47	531,406	529,272	785,252		65,755

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 11.9 5.00

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 376.04 MAINS - LEAK CLAMPS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
2002	48,928.34	48,928	48,928			
2003	352,665.87	339,441	336,761	15,905	0.75	15,905
2004	511,917.27	467,125	463,436	48,481	1.75	27,703
2005	99,037.73	85,420	84,745	14,293	2.75	5,197
2006	85,828.35	69,736	69,185	16,643	3.75	4,438
2007	131,580.35	100,330	99,538	32,042	4.75	6,746
2008	996,324.98	709,882	704,277	292,048	5.75	50,791
2009	446,826.77	296,023	293,686	153,141	6.75	22,688
2010	156,138.37	95,635	94,880	61,258	7.75	7,904
2011	50,275.80	28,280	28,057	22,219	8.75	2,539
2012	91,780.21	47,037	46,665	45,115	9.75	4,627
2013	142,014.33	65,682	65,163	76,851	10.75	7,149
2014	226,452.22	93,412	92,674	133,778	11.75	11,385
2015	76,430.46	27,706	27,487	48,943	12.75	3,839
2016	135,889.54	42,465	42,130	93,760	13.75	6,819
2019	156,231.53	25,388	25,188	131,044	16.75	7,824
2020	124.14	14	14	110	17.75	6
2021	5.70			6	18.75	
2022	24,545.95	466	462	24,084	19.62	1,228
	3,732,997.91	2,542,970	2,523,276	1,209,722		186,788
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 6.5						5.00



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 378.00 MEASURING AND REGULATING STATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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.. -25						
1950	3,451.24	4,228	3,981	333	0.90	333
1956	120,983.96	143,231	134,872	16,358	2.38	6,873
1961	366.80	421	396	62	3.67	17
1963	14,555.22	16,500	15,537	2,657	4.19	634
1964	33,151.31	37,341	35,162	6,277	4.45	1,411
1965	31,976.32	35,778	33,690	6,280	4.72	1,331
1966	28,492.98	31,659	29,811	5,805	5.00	1,161
1967	58,073.37	64,075	60,336	12,256	5.28	2,321
1968	2,922.55	3,201	3,014	639	5.57	115
1969	19,128.74	20,786	19,573	4,338	5.88	738
1970	17,139.11	18,472	17,394	4,030	6.20	650
1971	13,111.05	14,007	13,190	3,199	6.54	489
1972	540,191.01	571,704	538,341	136,898	6.90	19,840
1973	9,929.44	10,407	9,800	2,612	7.27	359
1974	42,890.47	44,487	41,891	11,722	7.66	1,530
1975	30,483.85	31,263	29,439	8,666	8.08	1,073
1976	4,447.46	4,508	4,245	1,314	8.51	154
1977	6,672.83	6,680	6,290	2,051	8.96	229
1978	21,221.26	20,962	19,739	6,788	9.44	719
1979	19,669.26	19,161	18,043	6,544	9.93	659
1980	26,286.50	25,228	23,756	9,102	10.45	871
1981	45,742.13	43,214	40,692	16,486	10.99	1,500
1982	29,607.60	27,510	25,905	11,104	11.55	961
1983	22,881.99	20,892	19,673	8,929	12.13	736
1984	13,259.71	11,889	11,195	5,380	12.72	423
1985	151,888.14	133,578	125,783	64,077	13.34	4,803
1986	175,710.57	151,403	142,567	77,071	13.98	5,513
1987	177,147.95	149,444	140,723	80,712	14.63	5,517
1988	151,589.63	125,061	117,763	71,724	15.30	4,688
1989	759,341.04	612,114	576,392	372,784	15.98	23,328
1990	320,002.26	251,734	237,043	162,960	16.68	9,770
1991	189,146.31	145,011	136,548	99,885	17.40	5,741
1992	123,548.40	92,215	86,834	67,602	18.13	3,729
1993	80,037.14	58,094	54,704	45,342	18.87	2,403
1994	68,708.35	48,420	45,594	40,291	19.63	2,053
1995	904,784.16	618,522	582,426	548,554	20.39	26,903
1996	62,947.65	41,668	39,236	39,449	21.17	1,863
1997	427,585.67	273,537	257,574	276,908	21.97	12,604
1998	449,061.29	277,295	261,113	300,214	22.77	13,185
1999	13,754.43	8,180	7,703	9,490	23.59	402
2000	14,173.74	8,107	7,634	10,083	24.41	413



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 378.00 MEASURING AND REGULATING STATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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.. -25						
2001	27,730.71	15,213	14,325	20,338	25.25	805
2002	63,632.23	33,407	31,457	48,083	26.10	1,842
2003	152,363.87	76,351	71,895	118,560	26.96	4,398
2004	113,748.61	54,252	51,086	91,100	27.83	3,273
2005	172,986.27	78,276	73,708	142,525	28.71	4,964
2006	60,472.55	25,869	24,359	51,232	29.60	1,731
2007	378,515.54	152,561	143,658	329,486	30.49	10,806
2008	135,171.01	51,064	48,084	120,880	31.40	3,850
2009	688,229.30	242,601	228,443	631,844	32.31	19,556
2010	243,346.65	79,562	74,919	229,264	33.23	6,899
2011	136,227.12	41,020	38,626	131,658	34.16	3,854
2012	97,200.31	26,730	25,170	96,330	35.10	2,744
2013	368,082.93	91,611	86,265	373,839	36.04	10,373
2014	860,583.75	191,480	180,306	895,424	36.99	24,207
2015	816,776.98	159,956	150,621	870,350	37.95	22,934
2016	882,687.97	149,318	140,604	962,756	38.91	24,743
2017	1,335,557.21	190,317	179,211	1,490,236	39.87	37,377
2018	3,989,985.07	461,043	434,138	4,553,343	40.84	111,492
2019	442,169.64	39,182	36,895	515,817	41.81	12,337
2020	3,664,657.25	224,964	211,836	4,368,986	42.79	102,103
2021	1,401,597.64	47,882	45,088	1,706,909	43.77	38,997
2022	3,778,889.39	38,828	36,562	4,687,050	44.63	105,020
	25,036,674.89	6,693,474	6,302,858	24,992,986		722,347
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						34.6 2.89

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 379.00 MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
1955	16,638.77	16,644	13,528	3,943	2.13	1,851
1956	37,958.11	37,748	30,682	9,174	2.38	3,855
1969	24,529.83	22,391	18,200	7,556	5.88	1,285
1972	6,889.64	6,125	4,978	2,256	6.90	327
1979	130,329.52	106,648	86,684	50,162	9.93	5,052
1982	26,184.97	20,437	16,611	10,883	11.55	942
1985	105,439.26	77,892	63,311	47,400	13.34	3,553
1986	26,184.99	18,953	15,405	12,089	13.98	865
1987	15,725.94	11,144	9,058	7,454	14.63	510
1988	52,369.94	36,292	29,498	25,490	15.30	1,666
1989	43,577.30	29,508	23,984	21,772	15.98	1,362
1990	1,946.28	1,286	1,045	999	16.68	60
1991	2,949.40	1,899	1,544	1,553	17.40	89
1995	469,047.66	269,343	218,924	273,576	20.39	13,417
1996	26,354.31	14,654	11,911	15,761	21.17	744
1998	50,984.74	26,446	21,496	32,038	22.77	1,407
1999	172,623.95	86,238	70,095	111,160	23.59	4,712
2000	62,327.58	29,945	24,340	41,104	24.41	1,684
2001	70,497.82	32,488	26,406	47,617	25.25	1,886
2002	278,790.11	122,946	99,931	192,799	26.10	7,387
2003	74,907.97	31,531	25,629	53,024	26.96	1,967
2004	676,577.56	271,063	220,322	490,084	27.83	17,610
2005	5,608.50	2,132	1,733	4,156	28.71	145
2006	10,696.29	3,844	3,124	8,107	29.60	274
2007	248,673.42	84,191	68,431	192,676	30.49	6,319
2008	270,101.99	85,712	69,667	213,940	31.40	6,813
2009	71,765.63	21,250	17,272	58,082	32.31	1,798
2010	10,901.09	2,994	2,434	9,012	33.23	271
2014	12,776.04	2,388	1,941	11,474	36.99	310
2015	8,567.86	1,409	1,145	7,851	37.95	207
2016	612,006.66	86,964	70,685	571,922	38.91	14,699
2017	1,178,257.44	141,037	114,636	1,122,534	39.87	28,155
2018	395,097.33	38,349	31,170	383,682	40.84	9,395
2019	4,507,762.89	335,533	272,724	4,460,427	41.81	106,683
2020	1,353,356.74	69,787	56,724	1,364,301	42.79	31,884
2021	3,984,553.41	114,343	92,939	4,090,842	43.77	93,462
2022	1,464,260.34	12,638	10,272	1,527,201	44.63	34,219
	16,507,221.28	2,274,192	1,848,479	15,484,103		406,865

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 38.1 2.46

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 380.00 SERVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R1.5						
NET SALVAGE PERCENT.. -10						
1950	240,435.78	222,745	212,574	51,905	7.89	6,579
1951	264,064.58	242,950	231,856	58,615	8.18	7,166
1952	271,869.14	248,336	236,996	62,060	8.48	7,318
1953	305,614.44	277,143	264,488	71,688	8.78	8,165
1954	319,461.24	287,522	274,393	77,014	9.09	8,472
1955	332,413.07	296,838	283,283	82,371	9.41	8,754
1956	346,409.00	306,898	292,884	88,166	9.73	9,061
1957	360,007.38	316,331	301,886	94,122	10.06	9,356
1958	373,119.56	325,144	310,297	100,135	10.39	9,638
1959	385,997.99	333,479	318,251	106,347	10.73	9,911
1960	399,056.09	341,688	326,085	112,877	11.08	10,187
1961	411,810.63	349,438	333,481	119,511	11.43	10,456
1962	425,071.38	357,230	340,917	126,662	11.80	10,734
1963	438,303.49	364,782	348,125	134,009	12.17	11,011
1964	451,524.70	372,011	355,023	141,654	12.55	11,287
1965	464,132.58	378,417	361,137	149,409	12.94	11,546
1966	477,898.74	385,435	367,834	157,855	13.34	11,833
1967	490,787.29	391,403	373,530	166,336	13.75	12,097
1968	503,804.04	397,129	378,994	175,190	14.17	12,363
1969	515,908.90	401,790	383,443	184,057	14.60	12,607
1970	721,027.18	554,556	529,233	263,897	15.04	17,546
1971	744,056.97	564,903	539,107	279,356	15.49	18,035
1972	767,734.20	574,941	548,687	295,821	15.96	18,535
1973	784,650.81	579,496	553,034	310,082	16.43	18,873
1974	807,862.34	588,108	561,253	327,396	16.91	19,361
1975	823,584.41	590,675	563,702	342,241	17.40	19,669
1976	847,085.01	598,025	570,717	361,077	17.91	20,161
1977	862,915.53	599,519	572,143	377,064	18.42	20,470
1978	886,839.07	605,800	578,137	397,386	18.95	20,970
1979	899,695.92	604,092	576,507	413,159	19.48	21,209
1980	923,998.21	609,229	581,409	434,989	20.03	21,717
1981	935,351.43	605,397	577,752	451,135	20.58	21,921
1982	957,235.71	607,558	579,814	473,145	21.15	22,371
1983	968,304.34	602,440	574,930	490,205	21.72	22,569
1984	993,359.66	605,353	577,710	514,986	22.30	23,094
1985	1,003,094.19	598,045	570,736	532,668	22.90	23,261
1986	1,027,194.01	598,854	571,508	558,405	23.50	23,762
1987	1,036,654.25	590,458	563,495	576,825	24.11	23,925
1988	1,057,293.77	587,792	560,951	602,072	24.73	24,346
1989	1,067,891.15	578,882	552,448	622,232	25.36	24,536
1990	1,093,487.77	577,362	550,997	651,840	26.00	25,071



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 380.00 SERVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R1.5						
NET SALVAGE PERCENT.. -10						
1991	1,099,330.90	564,726	538,938	670,326	26.65	25,153
1992	1,125,468.09	562,059	536,393	701,622	27.30	25,700
1993	1,132,596.37	548,924	523,858	721,998	27.97	25,813
1994	1,153,804.57	542,196	517,437	751,748	28.64	26,248
1995	1,161,567.42	528,722	504,578	773,146	29.31	26,378
1996	1,184,288.38	521,087	497,292	805,425	30.00	26,848
1997	1,190,256.57	505,645	482,555	826,727	30.69	26,938
1998	1,335,547.45	546,800	521,831	947,271	31.39	30,177
1999	4,316,773.57	1,699,945	1,622,319	3,126,132	32.10	97,387
2000	3,104,294.13	1,173,982	1,120,373	2,294,351	32.81	69,928
2001	4,326,731.00	1,567,748	1,496,158	3,263,246	33.53	97,323
2002	3,571,453.37	1,237,509	1,180,999	2,747,600	34.25	80,222
2003	3,886,858.87	1,284,374	1,225,724	3,049,821	34.98	87,188
2004	4,306,858.89	1,353,043	1,291,258	3,446,287	35.72	96,481
2005	4,474,610.74	1,332,897	1,272,032	3,650,040	36.46	100,111
2006	5,472,809.17	1,541,143	1,470,768	4,549,322	37.20	122,294
2007	4,275,305.93	1,132,443	1,080,731	3,622,106	37.96	95,419
2008	3,639,459.18	903,969	862,690	3,140,715	38.71	81,134
2009	5,157,264.51	1,194,732	1,140,176	4,532,815	39.47	114,842
2010	879,078.80	188,756	180,137	786,850	40.24	19,554
2011	4,422,968.86	874,775	834,829	4,030,437	41.01	98,279
2012	3,689,357.86	667,183	636,717	3,421,577	41.78	81,895
2013	4,114,806.51	673,512	642,757	3,883,530	42.56	91,248
2014	4,667,787.06	682,897	651,713	4,482,853	43.35	103,411
2015	4,361,947.12	562,342	536,663	4,261,479	44.14	96,545
2016	9,702,196.98	1,082,183	1,032,766	9,639,651	44.93	214,548
2017	7,115,624.93	668,442	637,918	7,189,269	45.73	157,211
2018	8,188,491.02	625,109	596,564	8,410,776	46.53	180,760
2019	11,317,406.64	662,295	632,052	11,817,095	47.34	249,622
2020	10,771,244.22	438,390	418,372	11,429,997	48.15	237,383
2021	11,887,516.89	269,371	257,070	12,819,199	48.97	261,777
2022	10,173,567.42	69,384	66,216	11,124,708	49.69	223,882
	174,194,279.37	45,224,777	43,159,631	148,454,076		3,921,642

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 37.9 2.25



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 381.00 METERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
NET SALVAGE PERCENT.. -5						
1968	463.67	481	487			
1969	1,057.51	1,087	1,110			
1970	1,214.23	1,237	1,275			
1971	1,381.23	1,394	1,450			
1972	1,557.12	1,556	1,635			
1973	1,740.13	1,722	1,827			
1974	1,927.95	1,889	2,024			
1975	2,118.49	2,054	2,224			
1976	2,309.51	2,216	2,425			
1977	2,498.96	2,372	2,624			
1978	2,684.86	2,521	2,819			
1979	2,865.67	2,662	3,009			
1980	84,506.40	77,611	88,581	151	3.76	40
1981	95,781.82	86,961	99,252	1,319	4.06	325
1982	105,094.45	94,275	107,600	2,749	4.37	629
1983	114,451.66	101,427	115,763	4,411	4.68	943
1984	122,853.32	107,454	122,642	6,354	5.01	1,268
1985	133,710.11	115,359	131,664	8,732	5.35	1,632
1986	143,149.70	121,749	138,957	11,350	5.70	1,991
1987	154,336.15	129,265	147,536	14,517	6.07	2,392
1988	236,420.49	194,870	222,413	25,829	6.45	4,004
1989	249,673.35	202,210	230,791	31,366	6.86	4,572
1990	263,757.43	209,739	239,384	37,561	7.28	5,159
1991	276,666.64	215,746	246,240	44,260	7.72	5,733
1992	291,981.95	222,986	254,503	52,078	8.18	6,367
1993	303,663.46	226,805	258,862	59,985	8.66	6,927
1994	315,466.27	230,102	262,625	68,615	9.16	7,491
1995	327,993.85	233,268	266,239	78,155	9.68	8,074
1996	339,901.82	235,313	268,573	88,324	10.22	8,642
1997	351,088.18	236,178	269,560	99,083	10.78	9,191
1998	361,315.22	235,721	269,038	110,343	11.36	9,713
1999	288,322.17	182,046	207,777	94,961	11.96	7,940
2000	359,626.79	219,390	250,399	127,209	12.57	10,120
2001	251,724.24	147,927	168,835	95,475	13.21	7,227
2002	165,482.00	93,481	106,694	67,062	13.86	4,839
2003	140,908.52	76,344	87,135	60,819	14.52	4,189
2004	112,304.51	58,134	66,351	51,569	15.21	3,390
2005	199,698.88	98,482	112,402	97,282	15.91	6,115
2006	144,338.69	67,594	77,148	74,408	16.62	4,477
2007	610,699.16	270,389	308,606	332,628	17.35	19,172
2008	509,203.57	212,262	242,264	292,400	18.09	16,164

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 381.00 METERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
NET SALVAGE PERCENT.. -5						
2009	908,950.56	354,721	404,858	549,540	18.85	29,153
2010	230,871.81	83,876	95,731	146,684	19.62	7,476
2011	148,577.47	49,871	56,920	99,086	20.41	4,855
2012	835,277.50	257,263	293,625	583,416	21.20	27,520
2013	2,584,242.04	722,674	824,819	1,888,635	22.01	85,808
2014	1,329,451.30	333,626	380,782	1,015,142	22.83	44,465
2015	1,226,663.39	272,192	310,664	977,333	23.66	41,307
2016	12,551,552.72	2,411,781	2,752,668	10,426,462	24.51	425,396
2017	4,946,898.19	803,394	916,948	4,277,295	25.36	168,663
2018	4,165,082.04	551,040	628,925	3,744,411	26.22	142,807
2019	4,176,008.31	423,879	483,791	3,901,018	27.10	143,949
2020	2,875,911.84	203,317	232,054	2,787,653	27.98	99,630
2021	5,042,007.86	199,429	227,617	5,066,491	28.87	175,493
2022	4,004,536.64	47,640	54,374	4,150,389	29.66	139,932
	52,101,971.80	11,438,982	13,054,519	41,652,551		1,705,180
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						24.4 3.27

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 382.00 METER INSTALLATIONS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R3						
NET SALVAGE PERCENT.. -25						
1980	188,597.27	206,648	212,504	23,243	4.32	5,380
1981	202,485.22	219,623	225,846	27,261	4.63	5,888
1982	223,920.41	240,236	247,043	32,858	4.96	6,625
1983	241,918.60	256,606	263,877	38,521	5.30	7,268
1984	261,165.34	273,476	281,225	45,232	5.68	7,963
1985	280,233.66	289,541	297,745	52,547	6.07	8,657
1986	300,174.14	305,536	314,194	61,024	6.50	9,388
1987	317,967.21	318,647	327,676	69,783	6.94	10,055
1988	336,271.16	331,227	340,613	79,726	7.42	10,745
1989	353,900.94	342,271	351,970	90,406	7.92	11,415
1990	372,811.53	353,374	363,387	102,627	8.46	12,131
1991	388,996.97	361,072	371,303	114,943	9.01	12,757
1992	403,780.38	366,284	376,663	128,062	9.60	13,340
1993	419,705.03	371,738	382,272	142,359	10.20	13,957
1994	435,908.93	376,282	386,944	157,942	10.83	14,584
1995	449,111.91	377,091	387,776	173,614	11.49	15,110
1996	462,722.15	377,448	388,143	190,260	12.16	15,646
1997	476,647.12	376,891	387,571	208,238	12.86	16,193
1998	490,018.65	375,042	385,669	226,854	13.57	16,717
1999	1,078,212.36	797,109	819,696	528,069	14.30	36,928
2000	829,718.98	591,175	607,926	429,223	15.05	28,520
2001	2,563,667.08	1,756,112	1,805,873	1,398,711	15.82	88,414
2002	1,633,663.99	1,073,542	1,103,962	938,118	16.60	56,513
2003	1,459,171.87	917,199	943,189	880,776	17.40	50,619
2004	1,523,398.37	913,487	939,371	964,877	18.21	52,986
2005	1,707,458.06	973,251	1,000,829	1,133,494	19.04	59,532
2006	133.42	72	74	93	19.88	5
2007	1,038,764.98	529,394	544,395	754,061	20.73	36,375
2008	1,691,053.52	809,296	832,228	1,281,589	21.60	59,333
2009	2,655,679.57	1,187,454	1,221,102	2,098,497	22.48	93,350
2010	408,054.44	169,491	174,294	335,774	23.37	14,368
2011	1,795,357.87	688,004	707,499	1,536,698	24.27	63,317
2012	595,398.32	208,814	214,731	529,517	25.18	21,029
2013	193,421.66	61,411	63,151	178,626	26.11	6,841
2014	219,091.23	62,285	64,050	209,814	27.04	7,759
2015	193,049.71	48,400	49,771	191,541	27.98	6,846
2016	3,403,794.69	737,900	758,809	3,495,934	28.93	120,841
2017	197,522.06	36,048	37,070	209,833	29.89	7,020
2018	200,469.39	29,712	30,554	220,033	30.85	7,132
2019	384,989.57	43,725	44,964	436,273	31.82	13,711

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 382.00 METER INSTALLATIONS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R3						
NET SALVAGE PERCENT.. -25						
2020	233,661.92	18,442	18,965	273,112	32.79	8,329
2021	2,074,352.96	91,116	93,697	2,499,244	33.77	74,008
2022	132,569.84	1,752	1,802	163,910	34.63	4,733
	32,818,992.48	17,864,224	18,370,423	22,653,318		1,132,328
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 20.0						3.45

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 383.00 HOUSE REGULATORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R3						
NET SALVAGE PERCENT.. -10						
1980	80,945.96	78,050	85,828	3,213	4.32	744
1981	85,418.08	81,530	89,655	4,305	4.63	930
1982	91,598.34	86,480	95,098	5,660	4.96	1,141
1983	99,606.71	92,976	102,242	7,325	5.30	1,382
1984	103,512.99	95,385	104,891	8,973	5.68	1,580
1985	109,569.33	99,623	109,551	10,975	6.07	1,808
1986	118,406.94	106,059	116,628	13,620	6.50	2,095
1987	120,135.72	105,945	116,503	15,646	6.94	2,254
1988	124,429.66	107,856	118,605	18,268	7.42	2,462
1989	133,421.74	113,553	124,869	21,895	7.92	2,765
1990	132,024.58	110,124	121,099	24,128	8.46	2,852
1991	135,927.84	111,030	122,095	27,426	9.01	3,044
1992	143,629.35	114,657	126,083	31,909	9.60	3,324
1993	140,640.75	109,619	120,543	34,162	10.20	3,349
1994	142,476.58	108,229	119,015	37,709	10.83	3,482
1995	150,523.10	111,219	122,303	43,272	11.49	3,766
1996	145,689.98	104,580	115,002	45,257	12.16	3,722
1997	146,880.62	102,204	112,389	49,180	12.86	3,824
1998	158,842.06	106,983	117,645	57,081	13.57	4,206
1999	77,528.99	50,438	55,464	29,818	14.30	2,085
2000	23,401.41	14,673	16,135	9,607	15.05	638
2001	48,974.83	29,522	32,464	21,408	15.82	1,353
2002	11,067.01	6,400	7,038	5,136	16.60	309
2003	377.57	209	230	185	17.40	11
2004	17,772.04	9,378	10,313	9,236	18.21	507
2006	2,756.74	1,310	1,441	1,591	19.88	80
2007	31,309.00	14,041	15,440	19,000	20.73	917
2008	11,881.69	5,004	5,503	7,567	21.60	350
2009	130,382.65	51,303	56,416	87,005	22.48	3,870
2010	8,527.84	3,117	3,428	5,953	23.37	255
2011	8,159.43	2,752	3,026	5,949	24.27	245
2012	802,993.21	247,825	272,522	610,771	25.18	24,256
2013	4,353.33	1,216	1,337	3,452	26.11	132
2014	46,922.82	11,739	12,909	38,706	27.04	1,431
2015	194,533.13	42,919	47,196	166,790	27.98	5,961
2016	2,116,915.35	403,850	444,096	1,884,511	28.93	65,140
2017	413,671.00	66,436	73,057	381,981	29.89	12,780
2018	417,291.81	54,426	59,850	399,171	30.85	12,939
2019	1,216,362.48	121,571	133,686	1,204,313	31.82	37,848

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 383.00 HOUSE REGULATORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R3						
NET SALVAGE PERCENT.. -10						
2020	905,427.79	62,886	69,153	926,818	32.79	28,265
2021	1,164,761.97	45,023	49,509	1,231,729	33.77	36,474
2022	1,349,855.55	15,695	17,259	1,467,582	34.63	42,379
	11,368,907.97	3,207,835	3,527,516	8,978,283		326,955
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						27.5 2.88

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 385.00 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 40-R3						
NET SALVAGE PERCENT.. 0						
1999	37,901.03	20,002	24,059	13,842	18.89	733
2001	63,612.75	31,027	37,321	26,292	20.49	1,283
2002	39,827.10	18,609	22,384	17,443	21.31	819
2003	55,452.95	24,760	29,782	25,671	22.14	1,159
2004	67,704.03	28,791	34,631	33,073	22.99	1,439
2005	33,831.87	13,668	16,440	17,392	23.84	730
2006	20,716.95	7,919	9,525	11,192	24.71	453
2007	2,806.17	1,011	1,216	1,590	25.59	62
2008	102.64	35	42	61	26.48	2
2011	89,755.80	24,212	29,123	60,633	29.21	2,076
2013	7,354.31	1,642	1,975	5,379	31.07	173
2014	820.76	164	197	624	32.01	19
2015	12,963.04	2,281	2,744	10,219	32.96	310
2016	117,586.40	17,873	21,499	96,087	33.92	2,833
2017	24,270.69	3,107	3,737	20,534	34.88	589
2018	98,772.66	10,272	12,356	86,417	35.84	2,411
2019	73,758.17	5,864	7,054	66,704	36.82	1,812
2020	27,685.29	1,530	1,840	25,845	37.79	684
	774,922.61	212,767	255,925	518,998		17,587

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 29.5 2.27

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R3						
NET SALVAGE PERCENT.. +10						
1987	811,747.76	585,708	730,573			
1988	1,517,378.34	1,076,125	1,365,641			
1989	32,875.68	22,893	29,588			
1990	202,906.29	138,476	182,616			
1991	17,012.92	11,370	15,312			
1992	7,484.55	4,888	6,736			
1997	4,488.91	2,556	4,040			
1998	7,642.45	4,211	6,878			
1999	7,969.86	4,242	7,173			
2002	3,617.26	1,711	3,256			
2003	22,415.97	10,145	19,383	791	17.40	45
2004	45,961.07	19,843	37,911	3,454	18.21	190
2005	27,449.74	11,265	21,522	3,183	19.04	167
2006	90,536.60	35,201	67,253	14,230	19.88	716
2007	338,656.18	124,266	237,416	67,375	20.73	3,250
2008	45,255.56	15,594	29,793	10,937	21.60	506
2009	20,045.81	6,454	12,331	5,710	22.48	254
2010	235,786.45	70,515	134,722	77,486	23.37	3,316
2011	196,267.14	54,153	103,462	73,178	24.27	3,015
2012	36,534.87	9,226	17,627	15,254	25.18	606
2013	141,609.94	32,372	61,848	65,601	26.11	2,512
2014	26,552.20	5,435	10,384	13,513	27.04	500
2015	80,992.39	14,620	27,932	44,961	27.98	1,607
2016	130,678.42	20,397	38,969	78,642	28.93	2,718
2017	382,050.07	50,201	95,912	247,933	29.89	8,295
2018	878,537.88	93,751	179,116	611,568	30.85	19,824
2019	2,011,159.09	164,461	314,211	1,495,832	31.82	47,009
2020	238,812.79	13,571	25,928	189,004	32.79	5,764
2021	81,788.72	2,587	4,942	68,668	33.77	2,033
2022	267,130.81	2,541	4,855	235,563	34.63	6,802
	7,911,345.72	2,608,778	3,797,330	3,322,881		109,129
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						30.4 1.38



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 390.09 STRUCTURES AND IMPROVEMENTS - IMPROVEMENTS - LEASED

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 25-SQUARE						
NET SALVAGE PERCENT.. 0						
1979	2,840.02	2,840	2,840			
1980	5,249.68	5,250	5,250			
1982	1,503.53	1,504	1,504			
1985	2,387.52	2,388	2,388			
1986	3,769.81	3,770	3,770			
1987	10,795.10	10,795	10,795			
1989	25,279.36	25,279	25,279			
1990	8,231.52	8,232	8,232			
1991	1,888.27	1,888	1,888			
1992	11,931.45	11,931	11,931			
1993	14,310.66	14,311	14,311			
1997	10,848.62	10,849	10,849			
1998	29,968.92	29,070	25,396	4,573	0.75	4,573
2006	5,599.67	3,640	3,180	2,420	8.75	277
2008	19,530.76	11,133	9,726	9,805	10.75	912
2010	8,156.93	3,997	3,492	4,665	12.75	366
2011	9,519.29	4,284	3,743	5,776	13.75	420
2012	36,700.75	15,047	13,145	23,556	14.75	1,597
2013	17,000.53	6,290	5,495	11,506	15.75	731
2015	40,605.16	11,775	10,286	30,319	17.75	1,708
2016	26,172.73	6,543	5,716	20,457	18.75	1,091
2017	4,596.49	965	843	3,753	19.75	190
2018	8,019.65	1,363	1,191	6,829	20.75	329
	304,906.42	193,144	181,250	123,656		12,194

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 10.1 4.00

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 391.00 OFFICE FURNITURE AND EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
2010	20,393.42	12,491	12,491	7,902	7.75	1,020
2011	6,721.80	3,781	3,781	2,941	8.75	336
2012	3,742.86	1,918	1,918	1,825	9.75	187
2013	5,636.22	2,607	2,607	3,029	10.75	282
2015	29,597.61	10,729	10,729	18,869	12.75	1,480
2016	4,427.29	1,384	1,384	3,043	13.75	221
2018	103,261.53	21,943	21,943	81,319	15.75	5,163
2019	162,764.24	26,449	26,449	136,315	16.75	8,138
2020	5,837.34	657	657	5,180	17.75	292
2021	14,432.22	902	902	13,530	18.75	722
2022	104,114.48	1,978	1,978	102,136	19.62	5,206
	460,929.01	84,839	84,839	376,090		23,047
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 16.3						5.00

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 392.00 TRANSPORTATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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-L3						
NET SALVAGE PERCENT.. +20						
2007	73,177.38	52,980	58,542			
2008	3,312.06	2,328	2,650			
2009	25,113.84	17,077	20,091			
2010	54,406.53	35,691	43,525			
2011	2,048.71	1,291	1,639			
2012	57,435.68	34,749	45,949			
2018	27,896.44	11,131	22,317			
2019	0.11					
2020	558,134.23	123,906	334,748	111,759	5.78	19,335
	801,524.98	279,153	529,461	111,759		19,335
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						5.8 2.41

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 393.00 STORES EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
-------------	-------------------------	------------------------------	-------------------------------	--------------------------------	---------------------	--------------------------

SURVIVOR CURVE.. 25-SQUARE
NET SALVAGE PERCENT.. 0

1984	358.80	359	359			
1989	2,912.39	2,912	2,912			
	3,271.19	3,271	3,271			

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 394.00 TOOLS, SHOP AND GARAGE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
2008	97,959.53	93,062	92,589	5,371	0.75	5,371
2009	99,565.22	87,949	87,502	12,063	1.75	6,893
2010	211,263.34	172,532	171,655	39,608	2.75	14,403
2011	116,636.99	87,478	87,033	29,604	3.75	7,894
2012	181,118.32	123,764	123,135	57,983	4.75	12,207
2013	69,407.50	42,802	42,584	26,824	5.75	4,665
2014	193,207.65	106,264	105,724	87,484	6.75	12,961
2015	384,158.81	185,675	184,731	199,428	7.75	25,733
2016	398,679.52	166,118	165,273	233,407	8.75	26,675
2017	330,652.25	115,728	115,140	215,512	9.75	22,104
2018	428,910.53	121,523	120,905	308,006	10.75	28,652
2019	839,501.88	181,895	180,970	658,532	11.75	56,045
2020	647,817.21	97,173	96,679	551,138	12.75	43,227
2021	515,607.27	42,966	42,747	472,860	13.75	34,390
2022	429,846.31	10,888	10,833	419,013	14.62	28,660
	4,944,332.33	1,635,817	1,627,500	3,316,832		329,880
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 10.1						6.67



ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 396.00 POWER OPERATED EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 9-L2.5						
NET SALVAGE PERCENT.. +5						
2015	4,320.52	2,508	3,149	955	3.50	273
	4,320.52	2,508	3,149	955		273
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						3.5 6.32

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 396.03 POWER OPERATED EQUIPMENT - DITCHERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 9-L2.5						
NET SALVAGE PERCENT.. +5						
2012	19,945.94	12,906	12,798	6,151	2.87	2,143
	19,945.94	12,906	12,798	6,151		2,143
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 2.9						10.74

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 397.00 COMMUNICATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
2012	9,777.25	6,681	6,681	3,096	4.75	652
2013	18,183.06	11,213	11,213	6,970	5.75	1,212
2014	65,445.73	35,995	35,995	29,451	6.75	4,363
2017	29,475.48	10,316	10,316	19,159	9.75	1,965
2022	1,326.18	34	34	1,292	14.62	88
	124,207.70	64,239	64,239	59,969		8,280
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 7.2						6.67

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 398.00 MISCELLANEOUS EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
2008	50,165.98	47,658	47,513	2,653	0.75	2,653
2009	199,338.89	176,082	175,545	23,794	1.75	13,597
2010	245,386.31	200,400	199,788	45,598	2.75	16,581
2011	50,879.35	38,160	38,044	12,835	3.75	3,423
2012	53,793.15	36,758	36,646	17,147	4.75	3,610
2013	166,626.84	102,754	102,440	64,187	5.75	11,163
2014	103,873.95	57,131	56,957	46,917	6.75	6,951
2015	209,431.59	101,225	100,916	108,516	7.75	14,002
2016	125,617.59	52,341	52,181	73,437	8.75	8,393
2017	103,267.86	36,144	36,034	67,234	9.75	6,896
2018	106,672.25	30,223	30,130	76,542	10.75	7,120
2019	3,730.68	808	806	2,925	11.75	249
	1,418,784.44	879,684	877,000	541,784		94,638
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.7						6.67

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 399.01 OTHER TANGIBLE PROPERTY - SERVERS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 7-SQUARE						
NET SALVAGE PERCENT.. 0						
2015	29,382.77	29,383	29,383			
2018	22,709.88	13,788	4,403	18,307	2.75	6,657
2019	9,366.03	4,349	1,389	7,977	3.75	2,127
	61,458.68	47,520	35,175	26,284		8,784
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 3.0						14.29

ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY

ACCOUNT 399.06 OTHER TANGIBLE PROPERTY - PC HARDWARE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
2018	176,988.87	150,441	145,257	31,732	0.75	31,732
2019	99,097.60	64,413	62,193	36,905	1.75	21,089
2020	390,111.81	175,550	169,501	220,611	2.75	80,222
2021	57,914.78	14,479	13,980	43,935	3.75	11,716
2022	167,887.17	12,759	12,319	155,568	4.62	33,673
	892,000.23	417,642	403,250	488,750		178,432
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 2.7						20.00

Exhibit NWA-2

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL
OFFICE

2022 DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION
ACCRUALS RELATED TO GAS PLANT
AS OF SEPTEMBER 30, 2022

Prepared by:



GANNETT FLEMING

Excellence Delivered As Promised

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE
Dallas, Texas

2022 DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION
ACCRUALS RELATED TO GAS PLANT
AS OF SEPTEMBER 30, 2022

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



Gannett Fleming
Valuation and Rate Consultants, LLC

Corporate Headquarters
207 Senate Avenue
Camp Hill, PA 17011
P 717.763.7211 | F 717.763.8150

gannettfleming.com

May 10, 2023

Atmos Energy Corporation
5430 Lyndon B. Johnson Freeway
Dallas, TX 75240

Attention: Joe Christian

Ladies and Gentlemen:

Pursuant to your request, we have conducted a depreciation study related to the gas plant of Atmos Energy Corporation – Kentucky Mid-States General Office as of September 30, 2022. 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 Atmos Energy Corporation personnel in the conduct of this study.

Respectfully submitted,

GANNETT FLEMING VALUATION
AND RATE CONSULTANTS, LLC

A handwritten signature in black ink, appearing to read "Ned W. Allis".

NED W. ALLIS
Vice President

NWA:jmr
073610.000

TABLE OF CONTENTS

Executive Summary	iii
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-2
PART IV. NET SALVAGE CONSIDERATIONS	IV-1
Net Salvage Analysis	IV-2
Net Salvage Considerations	IV-2
PART V. CALCULATION OF ANNUAL 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
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 Curve, Net Salvage Percent,
Original Cost, Book Reserve and Calculated Annual Depreciation
Accruals Related to Gas Plant as of September 30, 2022..... VI-4

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

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

PART IX. DETAILED DEPRECIATION CALCULATIONS IX-1

**ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE**

DEPRECIATION STUDY

EXECUTIVE SUMMARY

Pursuant to Atmos Energy Corporation's ("Atmos") request, Gannett Fleming Valuation and Rate Consultants, LLC ("Gannett Fleming") conducted a depreciation study related to the gas plant of the Kentucky Mid-States General Office as of September 30, 2022. 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 survivor curves and forecasted net salvage characteristics for each depreciable group of assets.

The service life and net salvage estimates recommended in the depreciation study are based on informed judgment that incorporates the statistical analyses of historical data through 2022. In general, the service lives have trended shorter for many accounts and the recommended service lives have decreased since the previous depreciation study. In general, the depreciation rates proposed in this study result in a slightly higher level of depreciation expense than the rates recommended in the previous depreciation study. This was primarily the result of changes in the estimated service life and net salvage parameters for some accounts.

Gannett Fleming recommends the calculated annual depreciation accrual rates set forth herein apply specifically to gas plant in service as of September 30, 2022 as

summarized in Table 1 of the study. Supporting analysis and calculations are provided within the study.

The study results set forth an annual depreciation expense of \$57 thousand when applied to depreciable plant balances as of September 30, 2022. 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 SEPTEMBER 30, 2022</u>	<u>PROPOSED RATE</u>	<u>PROPOSED EXPENSE</u>
GENERAL PLANT	752,201.92	7.55	56,772
TOTAL DEPRECIABLE PLANT	<u>\$752,201.92</u>	7.55	<u>\$56,772</u>

PART I. INTRODUCTION

**ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE
DEPRECIATION STUDY**

PART I. INTRODUCTION

SCOPE

This report sets forth the results of the depreciation study for Atmos Energy Corporation's ("Atmos") Kentucky Mid-States General Office, to determine the annual depreciation accrual rates and amounts for book purposes applicable to the original cost of gas plant as of September 30, 2022. 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 gas plant in service as of September 30, 2022.

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 2022, a review of Company practice and outlook as they relate to plant operation and retirement, and consideration of current practice in the gas industry, including knowledge of service lives and net salvage estimates used for other gas companies.

PLAN OF REPORT

Part I, Introduction, describes the plan of the report and the basis of the study. Part II, Estimation of Survivor Curves, provides descriptions of the considerations and the methods used in the service life and net salvage analyses. Part III, Service Life Considerations, presents the factors and judgment utilized in the average service life analysis. Part IV, Net Salvage Considerations, discusses the judgment utilized in 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, provides 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 and which is incurred in through 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 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 distribution of 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. 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 accepted in jurisdictions throughout North America. Average service life is the same procedure recommended in the Company's previous depreciation study and Gannett Fleming recommends its continued use in this study.

Service Life and Net Salvage Estimates

The service life and net salvage estimates used in the depreciation calculations were based on informed judgment which incorporated a review of management's plans, policies and outlook, a general knowledge of the gas utility industry, and comparisons of the service life and net salvage estimates from our studies of other gas utilities. The use of survivor curves to reflect the expected dispersion of retirement provides a consistent method of estimating depreciation for gas plant. Iowa type survivor curves were used to model the estimated survivor curves for the plant accounts.

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 based on 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 (or the portion of the frequency curve with the highest level of 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. A higher number designates a higher mode curve.

The Iowa curves were developed at the Iowa State College Engineering Experiment Station through an extensive process of observation and classification of the ages at which industrial property had been retired. A report of the study which resulted in the classification of property survivor characteristics into 18 type curves, which constitute three of the four families, was published in 1935 in the form of the Experiment Station's Bulletin 125.

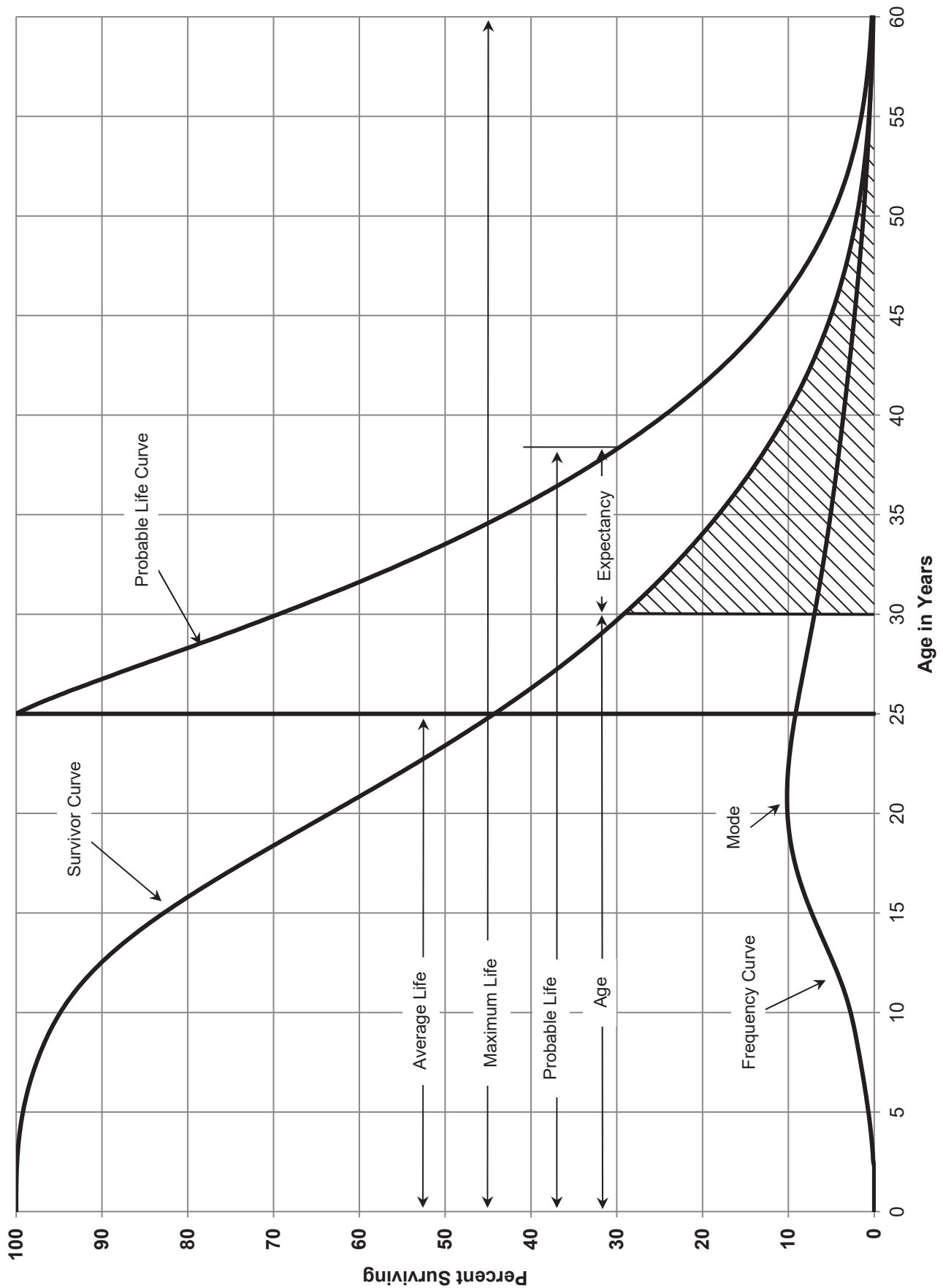


FIGURE 1. TYPICAL SURVIVOR CURVE AND DERIVED CURVES

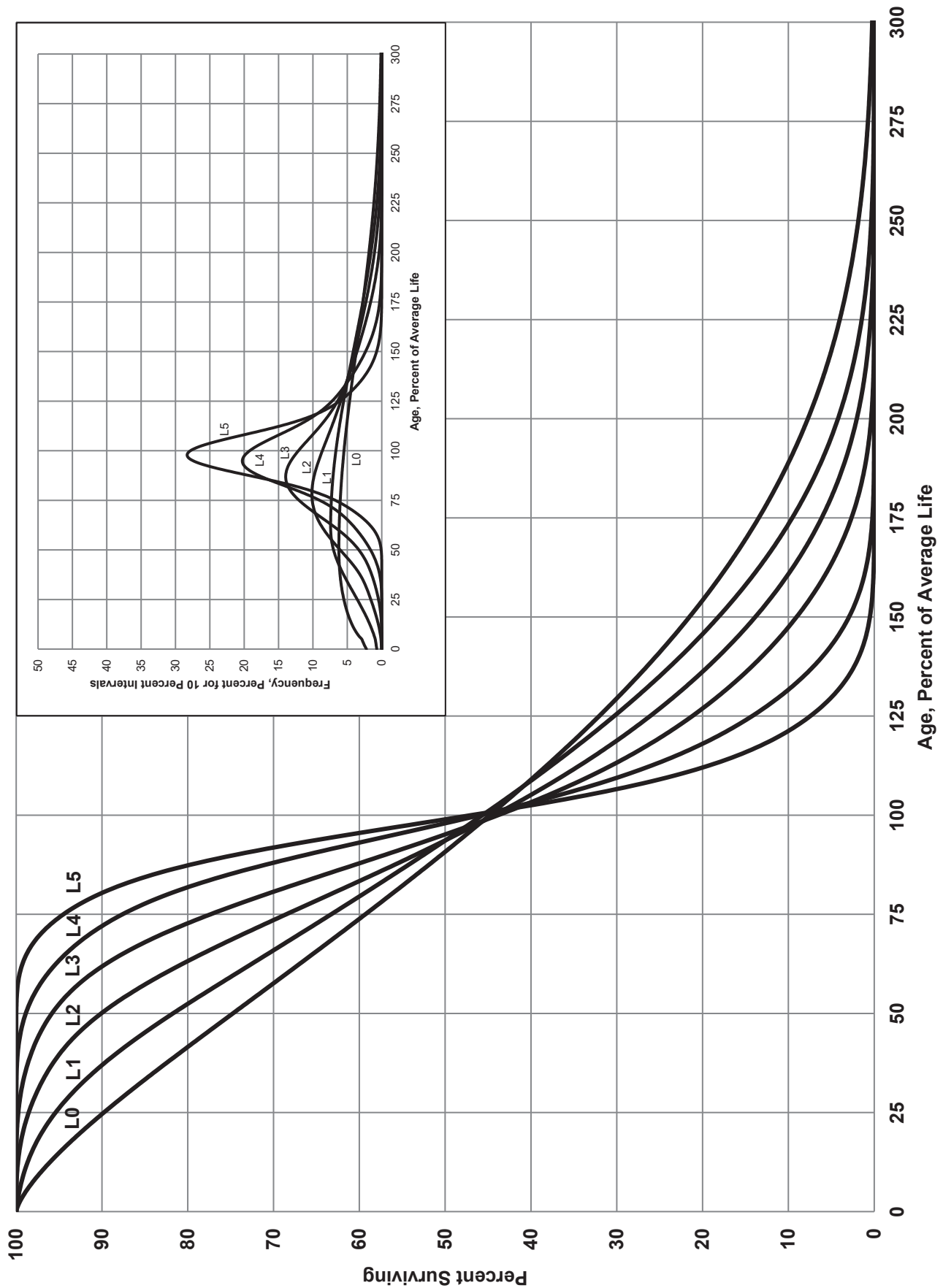


FIGURE 2. LEFT MODAL OR "L" IOWA TYPE SURVIVOR CURVES

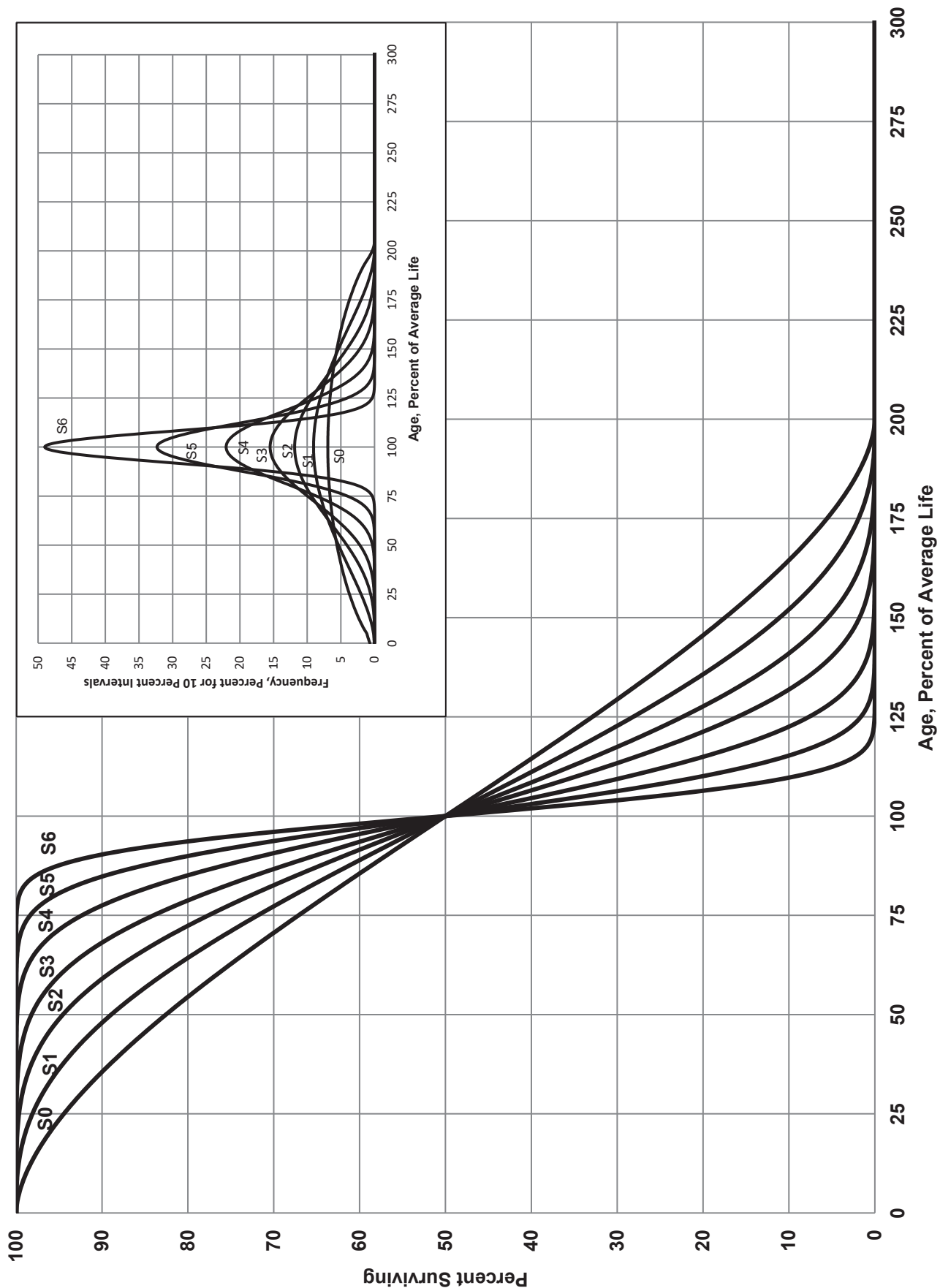


FIGURE 3. SYMMETRICAL OR "S" IOWA TYPE SURVIVOR CURVES

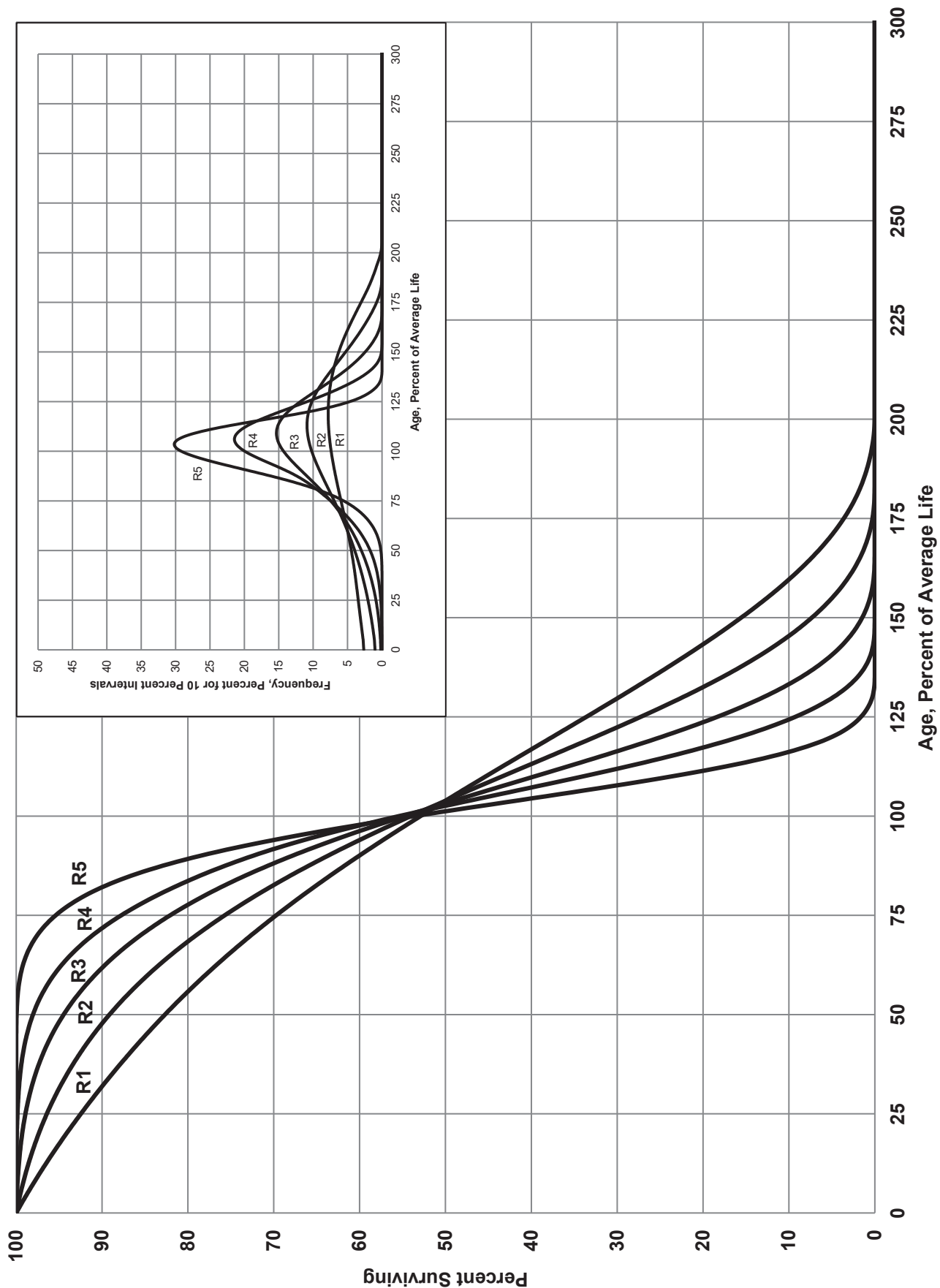


FIGURE 4. RIGHT MODAL OR "R" IOWA TYPE SURVIVOR CURVES

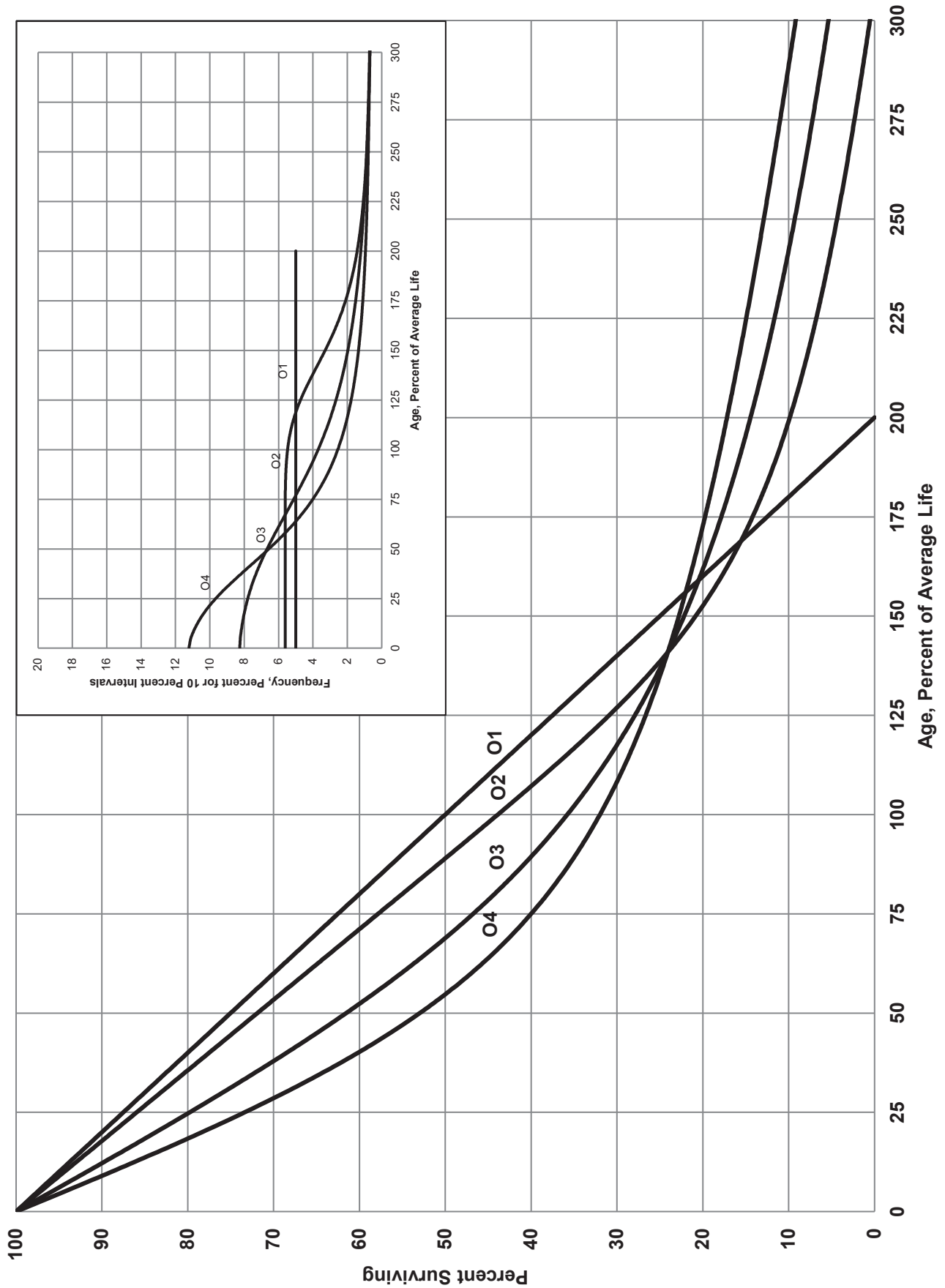


FIGURE 5. ORIGIN MODAL OR "O" IOWA TYPE SURVIVOR CURVES

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. The band of years which represent the installation dates of the property exposed to retirement during the experience band is referred to as the placement band. An example of the calculations used in the development of a life table follows. The example includes schedules of annual aged property transactions, a schedule of plant exposed to retirement, a life table and illustrations of smoothing the stub survivor curve.

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 Retirements. Iowa State College, Engineering Experiment Station, Bulletin 125. 1935.

³Marston, Anson, Robley Winfrey, and Jean C. Hempstead, Supra Note 1.

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

Schedules of Annual Transactions in Plant Records

The property group used to illustrate the retirement rate method is observed for the experience band 2013-2022 for which there were placements during the years 2008-2022. 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 2008 were retired in 2013. 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 2013 retirements of 2008 installations and ending with the 2022 retirements of the 2017 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 2013-2022
SUMMARIZED BY AGE INTERVAL

Experience Band 2013-2022										Placement Band 2008-2022		
Year	Retirements, Thousands of Dollars										Total During Age Interval (12)	Age Interval (13)
	During Year											
	<u>2013</u> (2)	<u>2014</u> (3)	<u>2015</u> (4)	<u>2016</u> (5)	<u>2017</u> (6)	<u>2018</u> (7)	<u>2019</u> (8)	<u>2020</u> (9)	<u>2021</u> (10)	<u>2022</u> (11)		
<u>Placed</u> (1)												
2008	10	11	12	13	14	16	23	24	25	26	26	13½-14½
2009	11	12	13	15	16	18	20	21	22	19	44	12½-13½
2010	11	12	13	14	16	17	19	21	22	18	64	11½-12½
2011	8	9	10	11	11	13	14	15	16	17	83	10½-11½
2012	9	10	11	12	13	14	16	17	19	20	93	9½-10½
2013	4	9	10	11	12	13	14	15	16	20	105	8½-9½
2014		5	11	12	13	14	15	16	18	20	113	7½-8½
2015			6	12	13	15	16	17	19	19	124	6½-7½
2016				6	13	15	16	17	19	19	131	5½-6½
2017					7	14	16	17	19	20	143	4½-5½
2018						8	18	20	22	23	146	3½-4½
2019							9	20	22	25	150	2½-3½
2020								11	23	25	151	1½-2½
2021									11	24	153	½-1½
2022										13	80	0-½
Total	53	68	86	106	128	157	196	231	273	308	1,606	

SCHEDULE 2. OTHER TRANSACTIONS FOR EACH YEAR 2013-2022
SUMMARIZED BY AGE INTERVAL

Placement Band 2008-2022													
Acquisitions, Transfers and Sales, Thousands of Dollars													
During Year													
Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total During Age Interval	Age Interval	
Placed	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2008	-	-	-	-	-	-	-	60 ^a	-	-	-	-	13½-14½
2009	-	-	-	-	-	-	-	-	-	-	-	-	12½-13½
2010	-	-	-	-	-	-	-	-	-	-	-	-	11½-12½
2011	-	-	-	-	-	-	-	(5) ^b	-	-	-	60	10½-11½
2012	-	-	-	-	-	-	-	6 ^a	-	-	-	-	9½-10½
2013	-	-	-	-	-	-	-	-	-	-	-	(5)	8½-9½
2014	-	-	-	-	-	-	-	-	-	-	-	6	7½-8½
2015	-	-	-	-	-	-	-	-	-	-	-	-	6½-7½
2016	-	-	-	-	-	-	-	(12) ^b	-	-	-	-	5½-6½
2017	-	-	-	-	-	-	-	-	22 ^a	-	-	-	4½-5½
2018	-	-	-	-	-	-	-	(19) ^b	-	-	-	10	3½-4½
2019	-	-	-	-	-	-	-	-	-	-	-	-	2½-3½
2020	-	-	-	-	-	-	-	-	-	-	(102) ^c	(121)	1½-2½
2021	-	-	-	-	-	-	-	-	-	-	-	-	½-1½
2022	-	-	-	-	-	-	-	-	-	-	-	-	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 2013 through 2022 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 2018 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 2013-2022
SUMMARIZED BY AGE INTERVAL**

Experience Band 2013-2022										Placement Band 2008-2022		
Year Placed (1)	Exposures, Thousands of Dollars										Total at	
	Annual Survivors at the Beginning of the Year										Beginning of	
	<u>2013</u> (2)	<u>2014</u> (3)	<u>2015</u> (4)	<u>2016</u> (5)	<u>2017</u> (6)	<u>2018</u> (7)	<u>2019</u> (8)	<u>2020</u> (9)	<u>2021</u> (10)	<u>2022</u> (11)	<u>Age Interval</u> (12)	<u>Age Interval</u> (13)
2008	255	245	234	222	209	195	239	216	192	167	167	13½-14½
2009	279	268	256	243	228	212	194	174	153	131	323	12½-13½
2010	307	296	284	271	257	241	224	205	184	162	531	11½-12½
2011	338	330	321	311	300	289	276	262	242	226	823	10½-11½
2012	376	367	357	346	334	321	307	297	280	261	1,097	9½-10½
2013	420 ^a	416	407	397	386	374	361	347	332	316	1,503	8½-9½
2014		460 ^a	455	444	432	419	405	390	374	356	1,952	7½-8½
2015			510 ^a	504	492	479	464	448	431	412	2,463	6½-7½
2016				580 ^a	574	561	546	530	501	482	3,057	5½-6½
2017					660 ^a	653	639	623	628	609	3,789	4½-5½
2018						750 ^a	742	724	685	663	4,332	3½-4½
2019							850 ^a	841	821	799	4,955	2½-3½
2020								960 ^a	949	926	5,719	1½-2½
2021									1,080 ^a	1,069	6,579	½-1½
2022										1,220 ^a	7,490	0-½
Total	<u>1,975</u>	<u>2,382</u>	<u>2,824</u>	<u>3,318</u>	<u>3,872</u>	<u>4,494</u>	<u>5,247</u>	<u>6,017</u>	<u>6,852</u>	<u>7,799</u>	<u>44,780</u>	

^aAdditions during the year

For the entire experience band 2013-2022, 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 ÷ 3,789,000	= 0.0377
Survivor Ratio	=	1.000 - 0.0377	= 0.9623
Percent surviving at age 5½	=	(88.15) x (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 2013-2022

Placement Band 2008-2022

(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
					35.66
Total	<u>44,780</u>	<u>1,606</u>			

Column 2 from Schedule 3, Column 12, Plant Exposed to Retirement.

Column 3 from Schedule 1, Column 12, Retirements for Each Year.

Column 4 = Column 3 Divided by Column 2.

Column 5 = 1.0000 Minus Column 4.

Column 6 = Column 5 Multiplied by Column 6 as of the Preceding Age Interval.

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

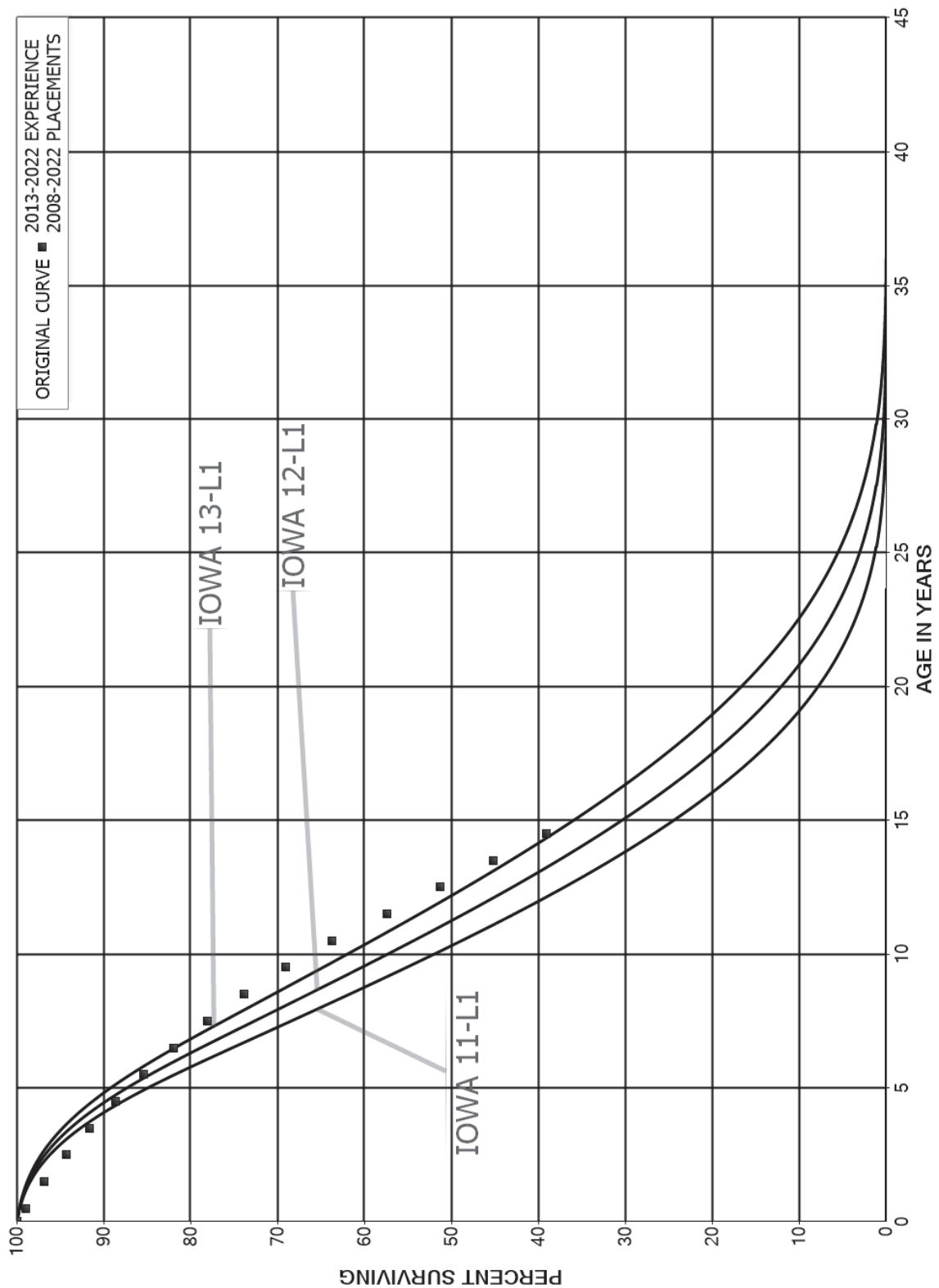


FIGURE 7. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN S0 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES

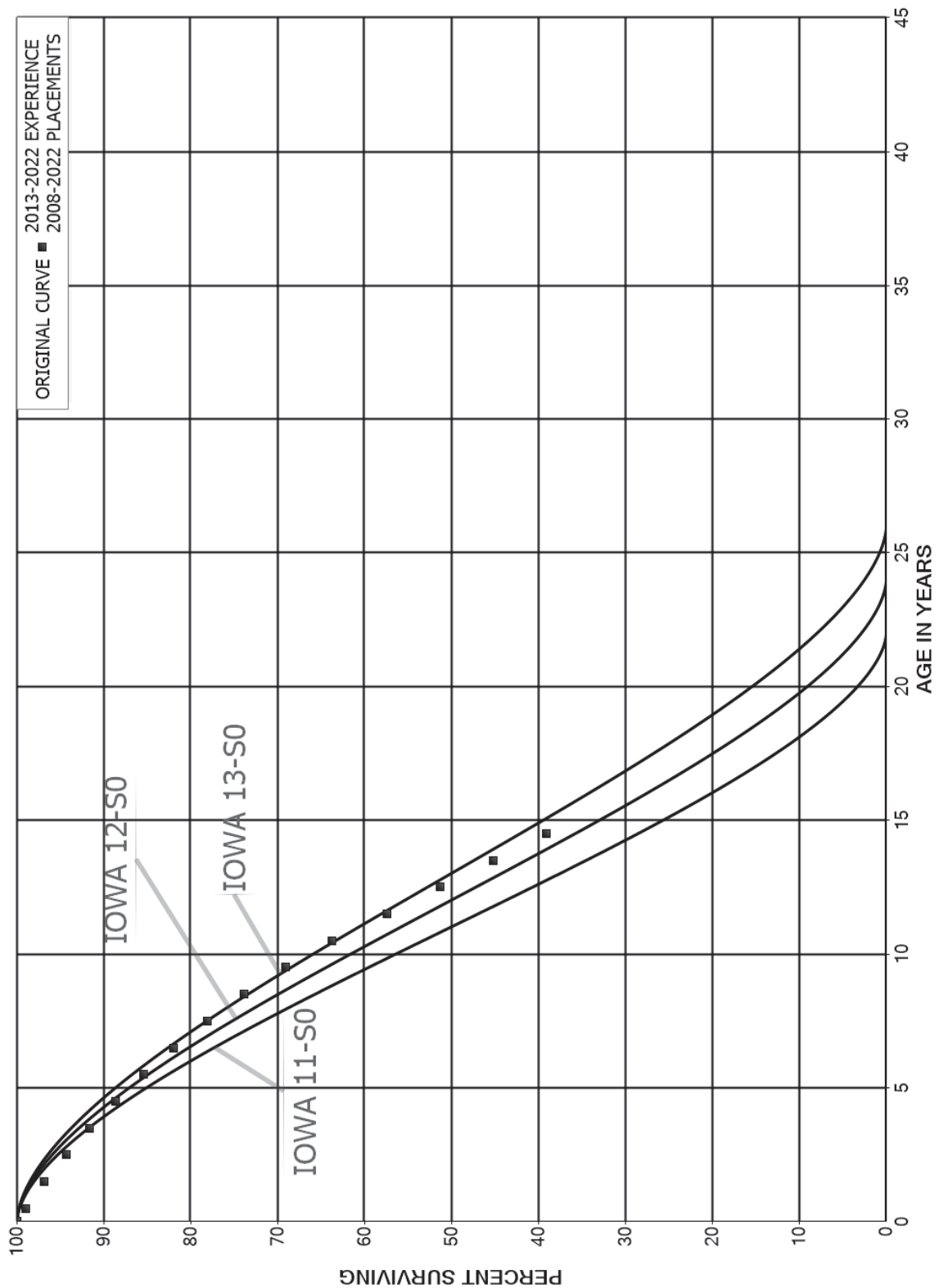


FIGURE 8. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN R1 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES

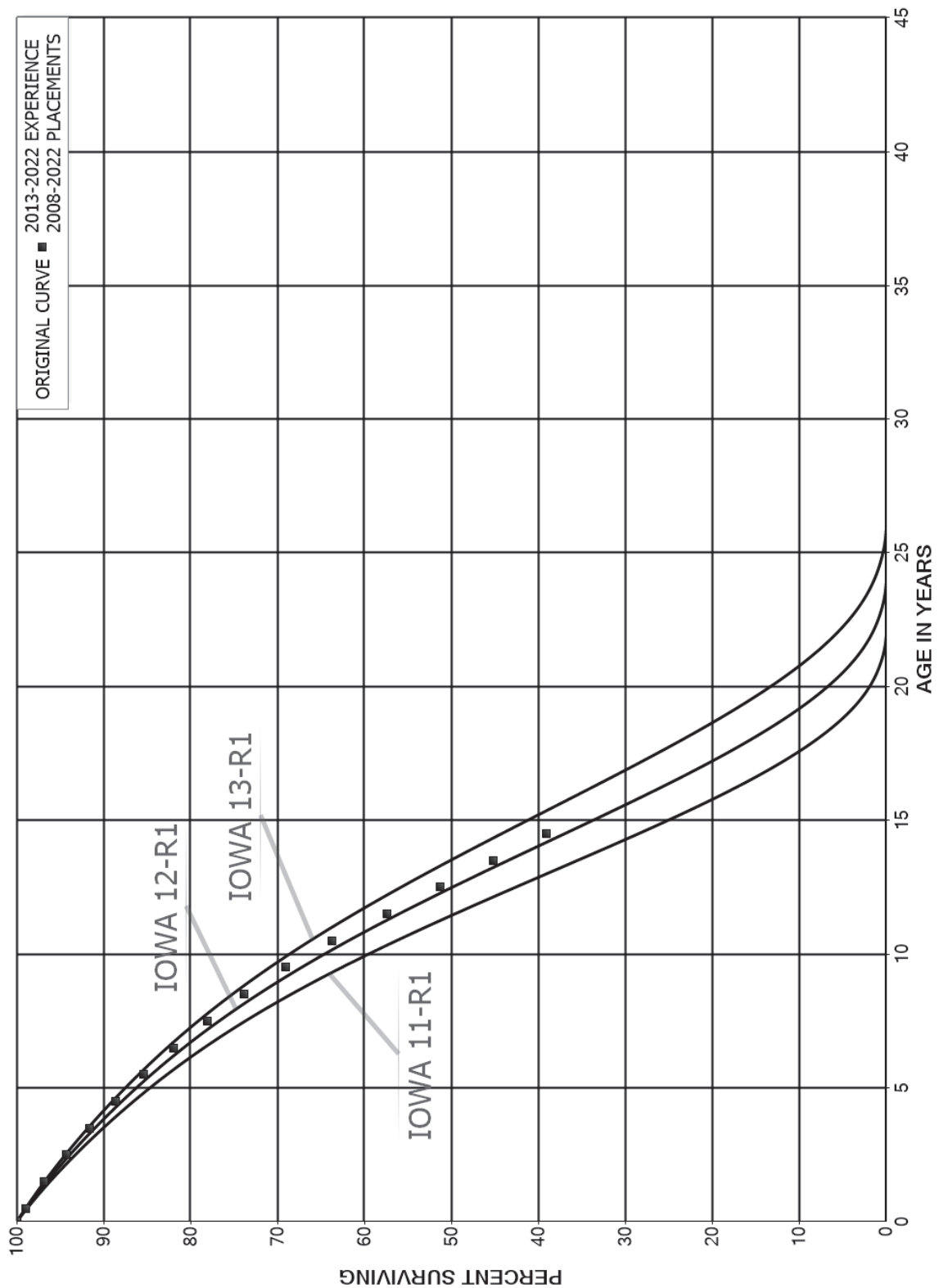
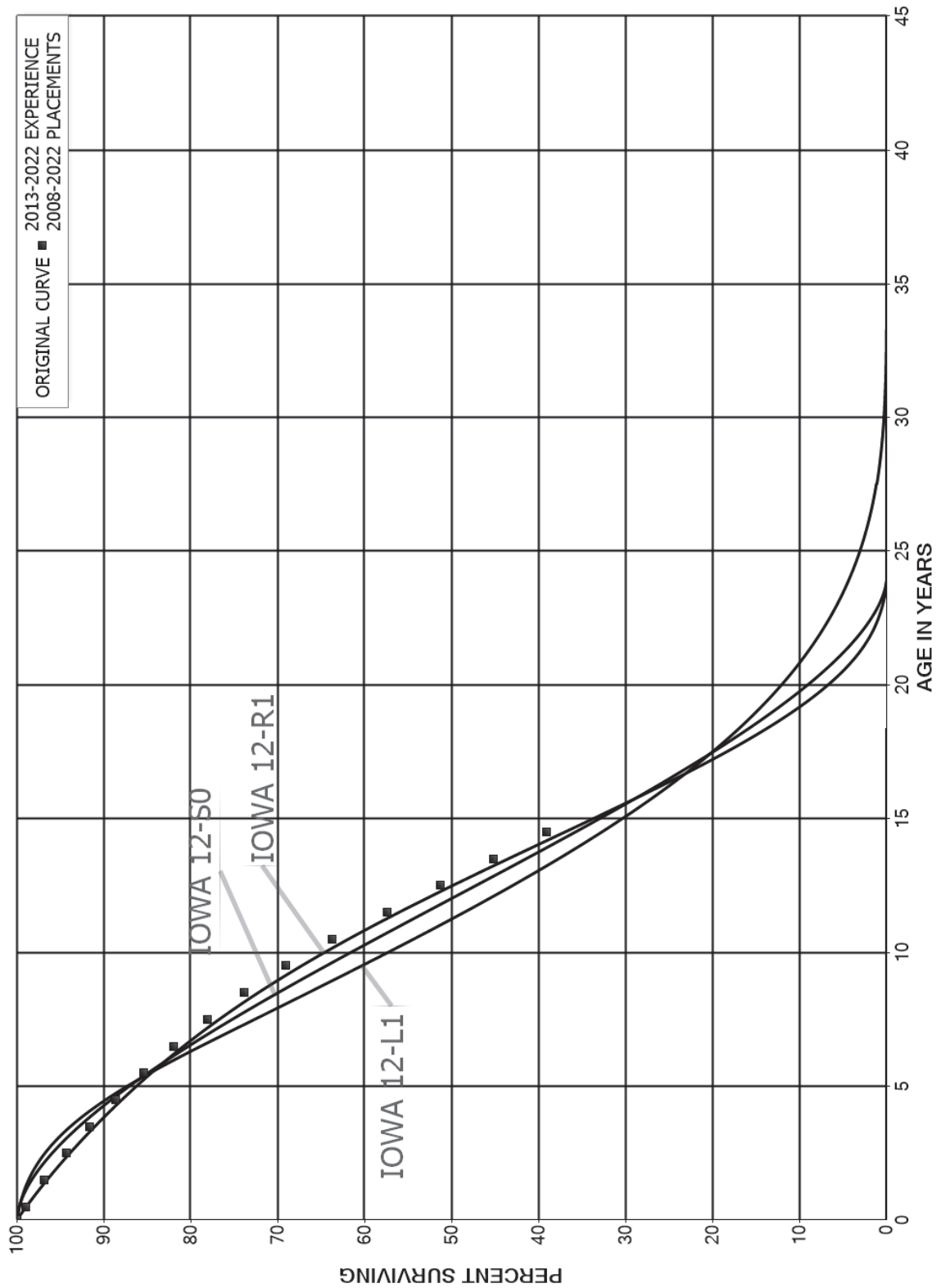


FIGURE 9. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1, S0 AND R1 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES



PART III. SERVICE LIFE CONSIDERATIONS

PART III. SERVICE LIFE CONSIDERATIONS

FIELD TRIPS

To become familiar with the operation of the Company and observe representative portions of the plant, a field trip is typically conducted for the study. At the time of this study, a separate study was concurrently being performed for Company's assets in the neighboring state of Virginia which is also served by the Kentucky Mid-States General Office. The visit made to assets in Virginia helped in the 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.

SERVICE LIFE ANALYSIS

The service life estimates were based on informed judgment which considered various 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 gas companies.

For many of the plant accounts and subaccounts for which survivor curves were estimated, the statistical analyses using the retirement rate method contributed significantly towards the recommended survivor curves. These accounts represent 55 percent of depreciable plant. The statistical support for the service life estimates is presented in the section beginning on page VII-2.

GAS PLANT

General Plant	
391.00	Office Furniture and Equipment
394.00	Tools, Shop and Garage Equipment
396.00	Power Operated Equipment
399.03	Other Tangible Property – Network Hardware
399.08	Other Tangible Property – Application Equipment

Account 394.00, Tools, Shop and Garage Equipment, is the largest plant account and is used to illustrate the manner in which the study was conducted for the accounts in the preceding list. Aged plant accounting data is available from 1992 through 2022. These data have been coded in the course of the Company's normal record keeping according to account or property group, type of transaction, year in which the transaction took place and year in which the utility plant was placed in service. The retirements, other plant transactions and plant additions were analyzed by the retirement rate method. The current survivor curve estimate for this account is the 15-R5. The statistical analysis through 2022 indicates a service life similar to the current estimate is appropriate. The proposed 15-R4 survivor curve is based on the statistical indication for the periods 1997 through 2022 and 2001 through 2022. The 15-R4 is a reasonable fit of a portion of the original survivor curve as set forth on page VII-13, is consistent with the considerations discussed above and with management outlook for the account, and it is within the typical industry range of average service lives of 15 to 25 years for tools, shop and garage equipment.

Generally, the survivor curve estimates for the remaining accounts were based on judgments which considered the statistical analyses, the nature of the plant and equipment, the previous estimate for the Company and a general knowledge of service lives for similar equipment in other gas companies.

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 2008 through 2022. Cost of removal and gross 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, that is, all future retirements. In cases in which removal costs are expected to exceed gross 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 gross salvage data, expectations with respect to future removal requirements and markets for retired equipment and materials.

The analyses of historical cost of removal and gross salvage data are presented in the section titled “Net Salvage Statistics” for the plant accounts in which the net salvage estimate relied partially on those analyses. Due to the data available and the types of assets included in the study, the net salvage percents for most accounts were based on judgment incorporating estimates of previous studies of this and other gas utilities.

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 September 30, 2022, 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 September 30, 2022, 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:

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

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 net 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 gas plant in service as of September 30, 2022. For most plant accounts, the application of such rates to future balances, that reflect additions subsequent to September 30, 2022, 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 gas plant as of September 30, 2022 presented on page VI-4 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 gas 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 net salvage data are presented in the section titled, "Net Salvage Statistics." The tabulations present annual cost of removal and gross 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 September 30, 2022 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.



ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

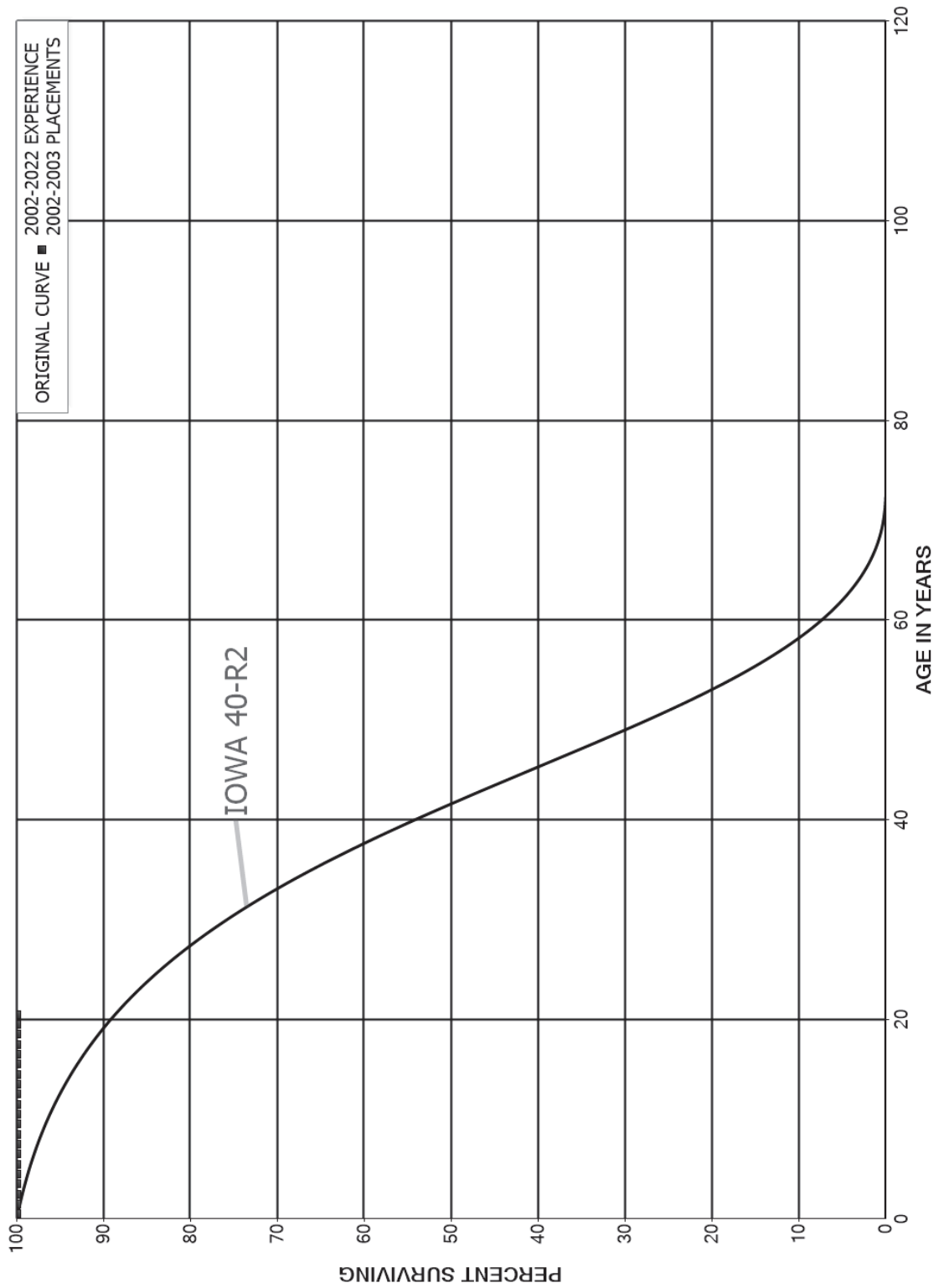
TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVE, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES RELATED TO GAS PLANT AS OF SEPTEMBER 30, 2022

	ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST AS OF SEPTEMBER 30, 2022 (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED		COMPOSITE REMAINING LIFE (9)=(6)/(7)
							ANNUAL ACCRUAL AMOUNT (7)	RATE (8)=(7)/(4)	
GENERAL PLANT									
390.01	STRUCTURES AND IMPROVEMENTS - FRAME	40 - R2	(10)	179,338.52	13,097	184,175	7,890	4.40	23.3
390.04	STRUCTURES AND IMPROVEMENTS - AIR CONDITIONING EQUIPMENT	15 - R2	(10)	15,383.91	10,853	6,069	625	4.06	9.7
390.09	STRUCTURES AND IMPROVEMENTS - IMPROVEMENTS - LEASED	20 - R3	0	38,834.00	38,834	0	0	-	*
391.00	OFFICE FURNITURE AND EQUIPMENT	20 - R3	0	26,927.93	4,070	22,858	1,731	6.43	13.2
392.00	TRANSPORTATION EQUIPMENT	12 - L2.5	5	27,284.69	14,272	11,648	2,479	9.09	4.7
394.00	TOOLS, SHOP AND GARAGE EQUIPMENT	15 - R4	0	110,227.42	34,405	75,822	6,717	6.09	11.3
396.00	POWER OPERATED EQUIPMENT	15 - L3	5	9,478.52	1,015	7,990	986	10.40	8.1
399.03	OTHER TANGIBLE PROPERTY - NETWORK HARDWARE	10 - R4	0	28,266.44	6,749	21,517	3,106	10.99	6.9
399.07	OTHER TANGIBLE PROPERTY - PC SOFTWARE	7 - R4	0	78,585.68	55,776	22,810	10,366	13.19	2.2
399.08	OTHER TANGIBLE PROPERTY - APPLICATION SOFTWARE	10 - R4	0	237,874.81	192,814	45,061	22,872	9.62	2.00
TOTAL GENERAL PLANT				752,201.92	371,885	397,950	56,772	7.55	
TOTAL DEPRECIABLE PLANT				752,201.92	371,885	397,950	56,772	7.55	

* NEW ADDITIONS TO THIS ACCOUNT WILL UTILIZE A DEPRECIATION RATE OF 5.00%

PART VII. SERVICE LIFE STATISTICS

ATMOS ENERGY CORPORATION
 KENTUCKY MID-STATES GENERAL OFFICE
 ACCOUNT 390.01 STRUCTURES AND IMPROVEMENTS - FRAME
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 390.01 STRUCTURES AND IMPROVEMENTS - FRAME

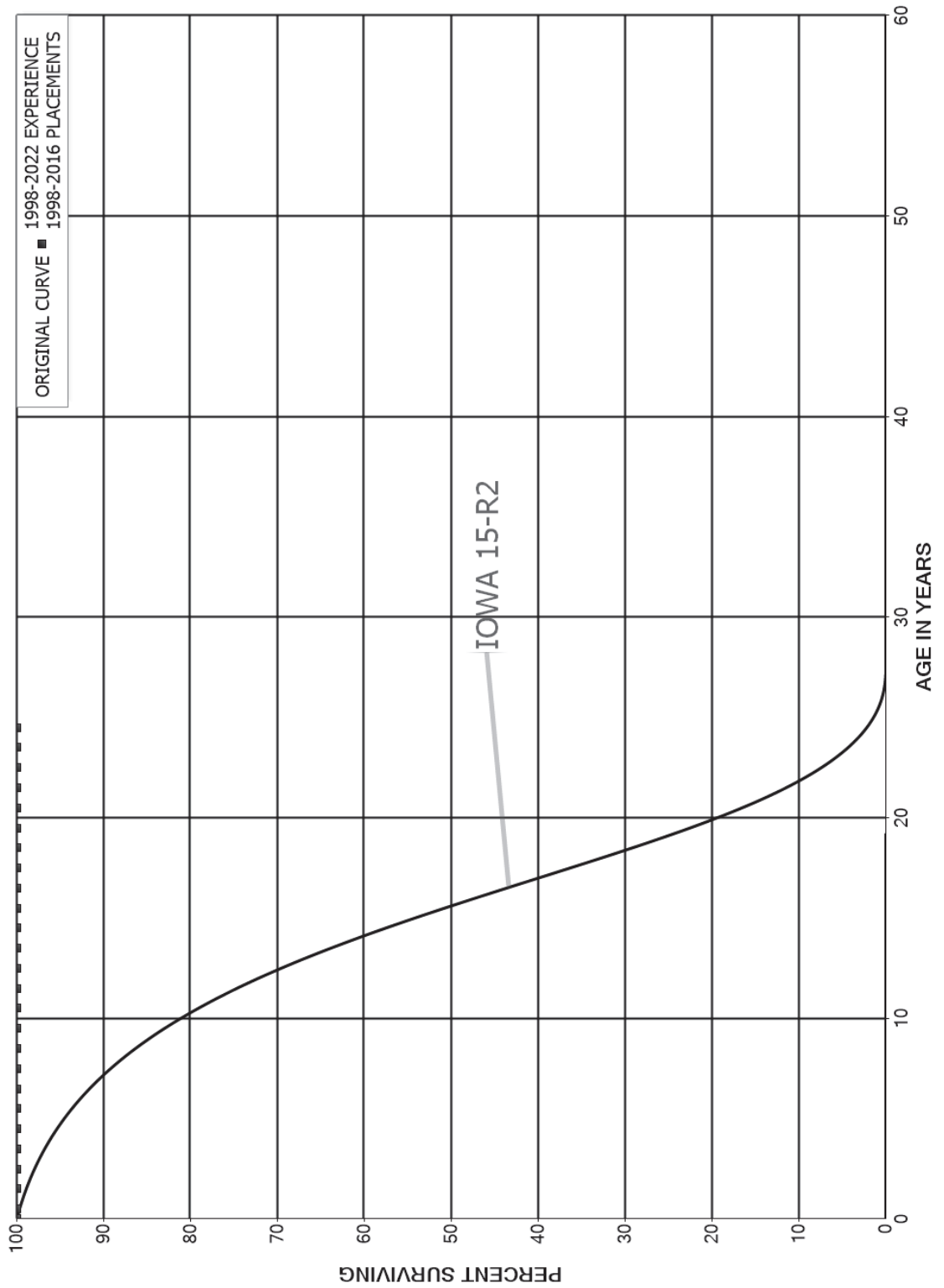
ORIGINAL LIFE TABLE

PLACEMENT BAND 2002-2003

EXPERIENCE BAND 2002-2022

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	179,339		0.0000	1.0000	100.00
0.5	179,339		0.0000	1.0000	100.00
1.5	179,339		0.0000	1.0000	100.00
2.5	179,339		0.0000	1.0000	100.00
3.5	179,339		0.0000	1.0000	100.00
4.5	179,339		0.0000	1.0000	100.00
5.5	179,339		0.0000	1.0000	100.00
6.5	179,339		0.0000	1.0000	100.00
7.5	179,339		0.0000	1.0000	100.00
8.5	179,339		0.0000	1.0000	100.00
9.5	179,339		0.0000	1.0000	100.00
10.5	179,339		0.0000	1.0000	100.00
11.5	179,339		0.0000	1.0000	100.00
12.5	179,339		0.0000	1.0000	100.00
13.5	179,339		0.0000	1.0000	100.00
14.5	179,339		0.0000	1.0000	100.00
15.5	179,339		0.0000	1.0000	100.00
16.5	179,339		0.0000	1.0000	100.00
17.5	179,339		0.0000	1.0000	100.00
18.5	179,339		0.0000	1.0000	100.00
19.5	143,669		0.0000	1.0000	100.00
20.5					100.00

ATMOS ENERGY CORPORATION
 KENTUCKY MID-STATES GENERAL OFFICE
 ACCOUNT 390.04 STRUCTURES AND IMPROVEMENTS - AIR CONDITIONING EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 390.04 STRUCTURES AND IMPROVEMENTS - AIR CONDITIONING EQUIPMENT

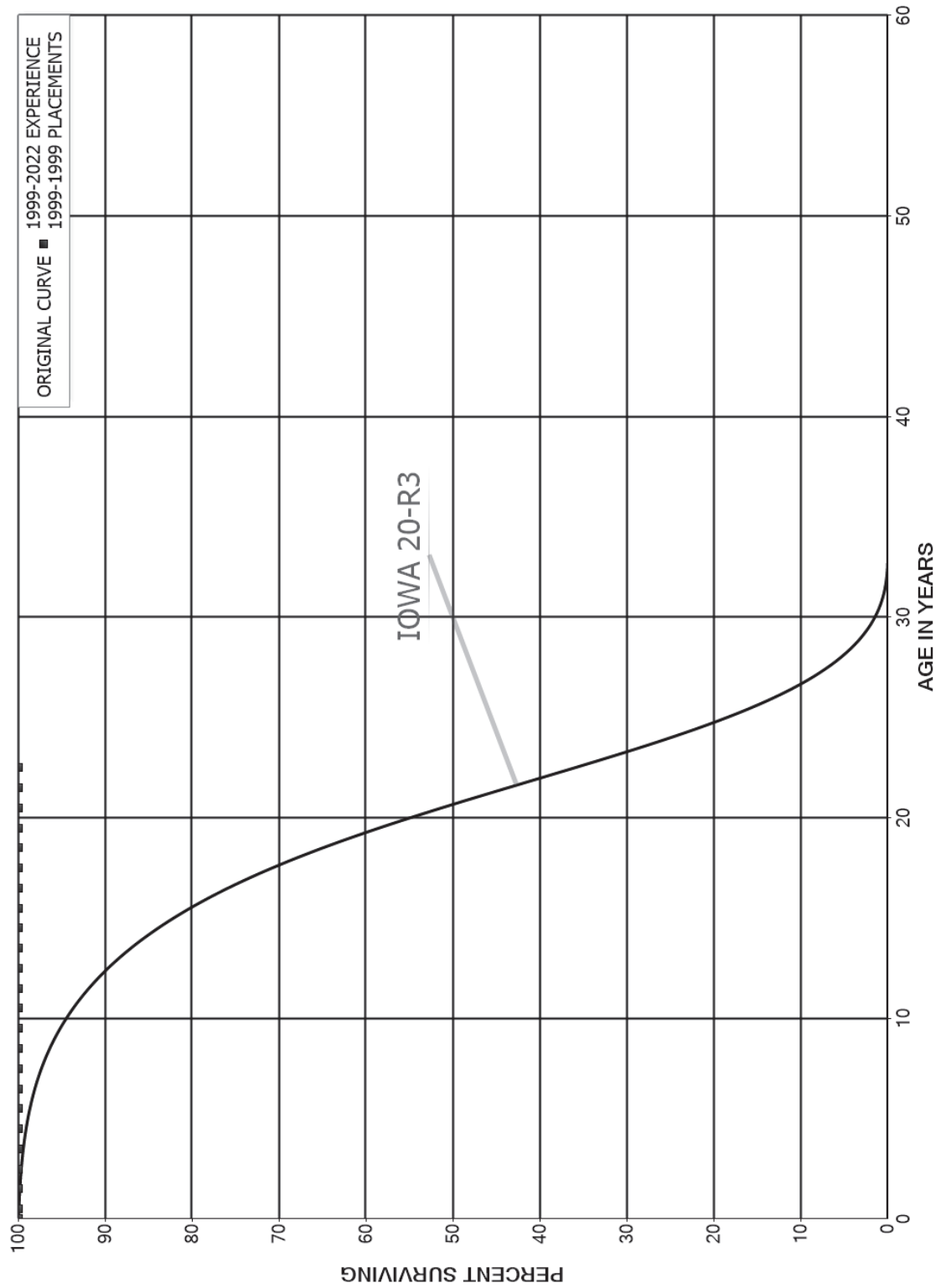
ORIGINAL LIFE TABLE

PLACEMENT BAND 1998-2016

EXPERIENCE BAND 1998-2022

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	15,384		0.0000	1.0000	100.00
0.5	15,384		0.0000	1.0000	100.00
1.5	15,384		0.0000	1.0000	100.00
2.5	15,384		0.0000	1.0000	100.00
3.5	15,384		0.0000	1.0000	100.00
4.5	15,384		0.0000	1.0000	100.00
5.5	15,384		0.0000	1.0000	100.00
6.5	5,771		0.0000	1.0000	100.00
7.5	5,771		0.0000	1.0000	100.00
8.5	5,771		0.0000	1.0000	100.00
9.5	5,771		0.0000	1.0000	100.00
10.5	5,771		0.0000	1.0000	100.00
11.5	5,771		0.0000	1.0000	100.00
12.5	5,771		0.0000	1.0000	100.00
13.5	5,771		0.0000	1.0000	100.00
14.5	5,771		0.0000	1.0000	100.00
15.5	5,771		0.0000	1.0000	100.00
16.5	5,771		0.0000	1.0000	100.00
17.5	5,771		0.0000	1.0000	100.00
18.5	5,771		0.0000	1.0000	100.00
19.5	5,771		0.0000	1.0000	100.00
20.5	5,771		0.0000	1.0000	100.00
21.5	5,771		0.0000	1.0000	100.00
22.5	5,771		0.0000	1.0000	100.00
23.5	5,771		0.0000	1.0000	100.00
24.5					100.00

ATMOS ENERGY CORPORATION
 KENTUCKY MID-STATES GENERAL OFFICE
 ACCOUNT 390.09 STRUCTURES AND IMPROVEMENTS - IMPROVEMENTS - LEASED
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 390.09 STRUCTURES AND IMPROVEMENTS - IMPROVEMENTS - LEASED

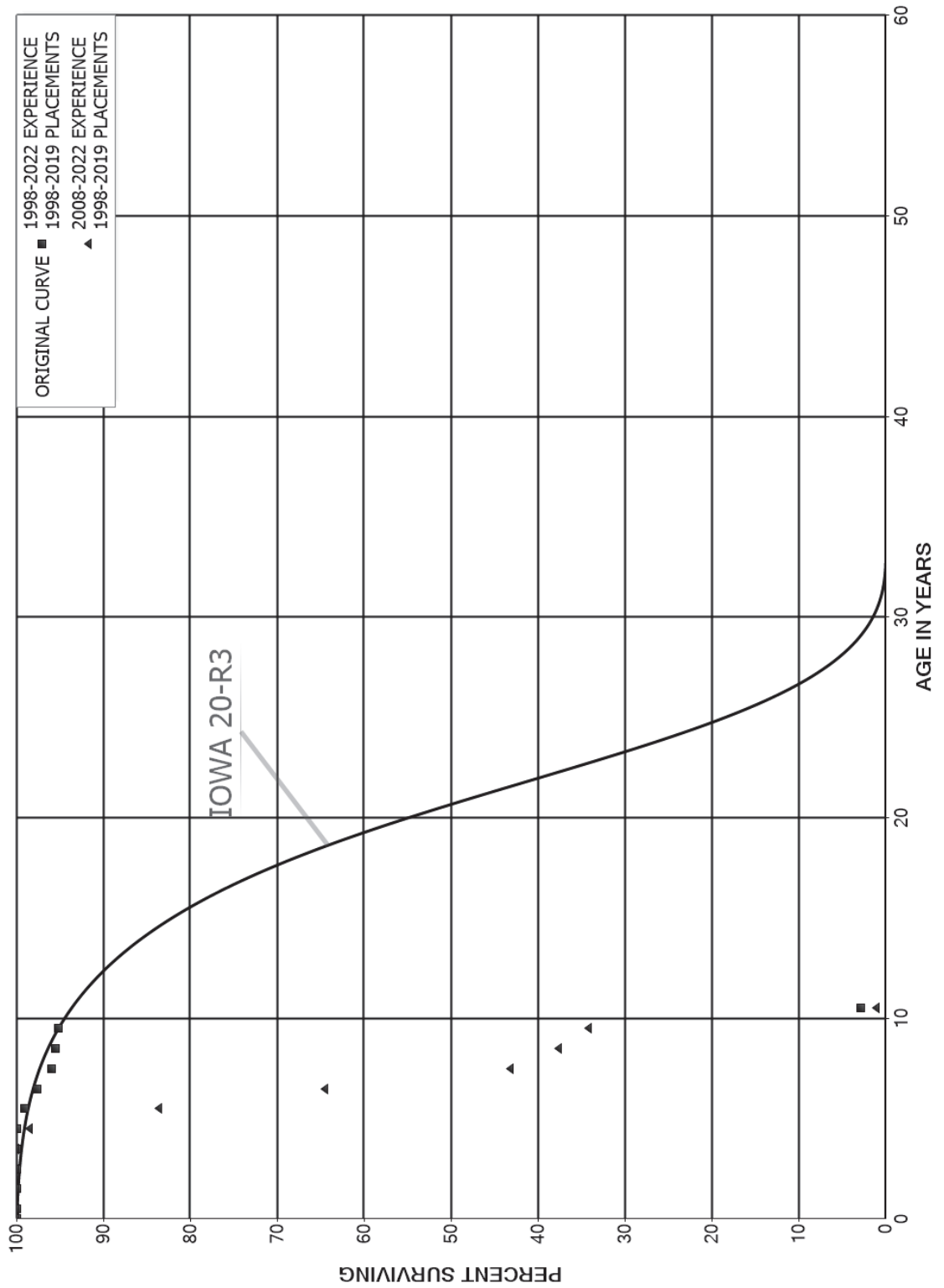
ORIGINAL LIFE TABLE

PLACEMENT BAND 1999-1999

EXPERIENCE BAND 1999-2022

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	38,834		0.0000	1.0000	100.00
0.5	38,834		0.0000	1.0000	100.00
1.5	38,834		0.0000	1.0000	100.00
2.5	38,834		0.0000	1.0000	100.00
3.5	38,834		0.0000	1.0000	100.00
4.5	38,834		0.0000	1.0000	100.00
5.5	38,834		0.0000	1.0000	100.00
6.5	38,834		0.0000	1.0000	100.00
7.5	38,834		0.0000	1.0000	100.00
8.5	38,834		0.0000	1.0000	100.00
9.5	38,834		0.0000	1.0000	100.00
10.5	38,834		0.0000	1.0000	100.00
11.5	38,834		0.0000	1.0000	100.00
12.5	38,834		0.0000	1.0000	100.00
13.5	38,834		0.0000	1.0000	100.00
14.5	38,834		0.0000	1.0000	100.00
15.5	38,834		0.0000	1.0000	100.00
16.5	38,834		0.0000	1.0000	100.00
17.5	38,834		0.0000	1.0000	100.00
18.5	38,834		0.0000	1.0000	100.00
19.5	38,834		0.0000	1.0000	100.00
20.5	38,834		0.0000	1.0000	100.00
21.5	38,834		0.0000	1.0000	100.00
22.5	38,834		0.0000	1.0000	100.00
23.5					100.00

ATMOS ENERGY CORPORATION
 KENTUCKY MID-STATES GENERAL OFFICE
 ACCOUNT 391.00 OFFICE FURNITURE AND EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 391.00 OFFICE FURNITURE AND EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1998-2019

EXPERIENCE BAND 1998-2022

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	1,377,061		0.0000	1.0000	100.00
0.5	1,377,061		0.0000	1.0000	100.00
1.5	1,372,730		0.0000	1.0000	100.00
2.5	1,372,730		0.0000	1.0000	100.00
3.5	1,370,273	1,312	0.0010	0.9990	100.00
4.5	1,353,818	11,545	0.0085	0.9915	99.90
5.5	1,342,273	19,785	0.0147	0.9853	99.05
6.5	1,322,487	22,133	0.0167	0.9833	97.59
7.5	1,297,405	5,972	0.0046	0.9954	95.96
8.5	1,291,433	3,957	0.0031	0.9969	95.52
9.5	1,287,476	1,249,496	0.9705	0.0295	95.22
10.5	45,213	2,321	0.0513	0.9487	2.81
11.5	42,892	5,003	0.1166	0.8834	2.66
12.5	37,890		0.0000	1.0000	2.35
13.5	31,512	26,022	0.8258	0.1742	2.35
14.5	5,490	3,260	0.5938	0.4062	0.41
15.5	2,230		0.0000	1.0000	0.17
16.5	2,230	2,230	1.0000		0.17
17.5					

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 391.00 OFFICE FURNITURE AND EQUIPMENT

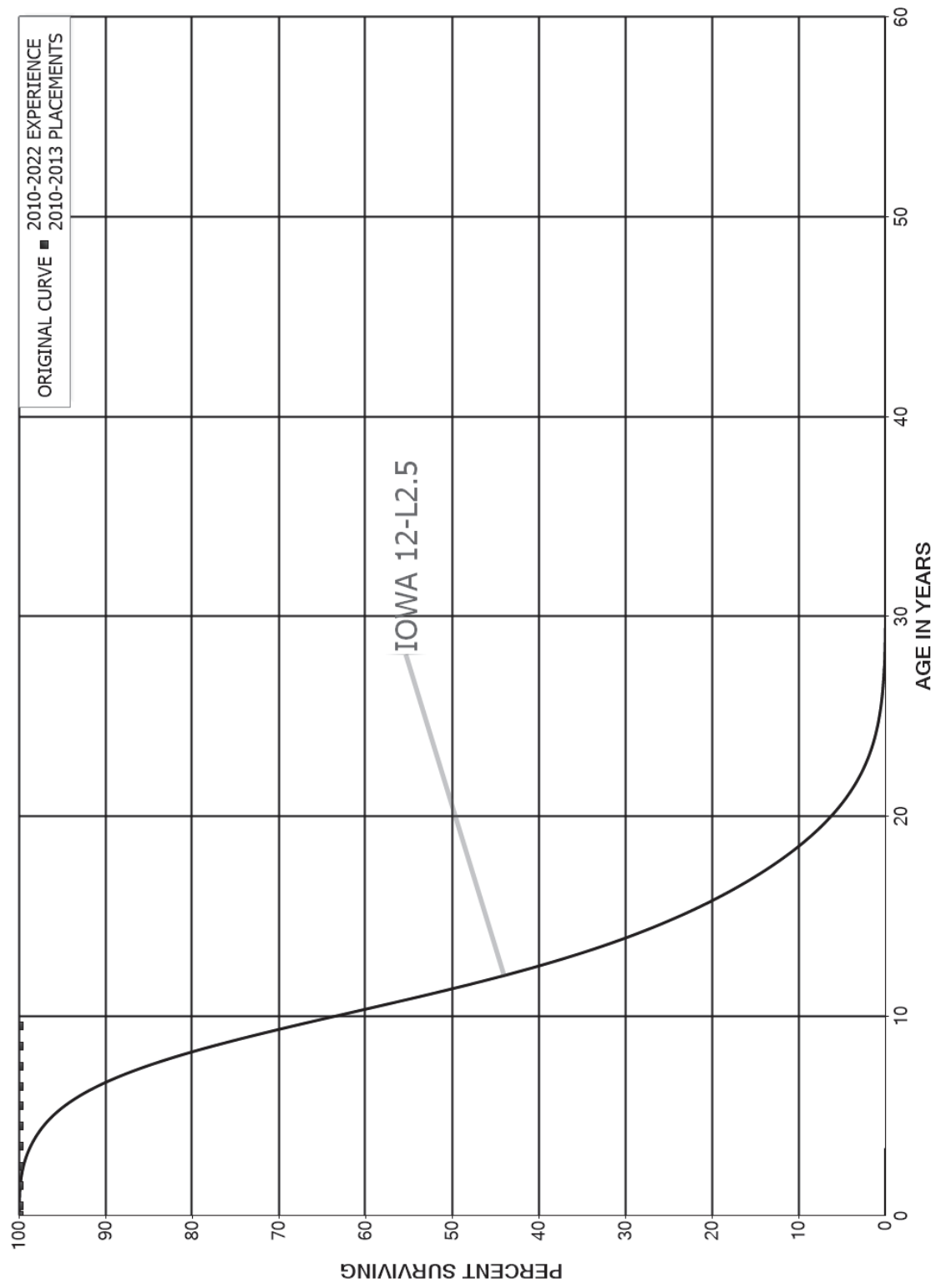
ORIGINAL LIFE TABLE

PLACEMENT BAND 1998-2019

EXPERIENCE BAND 2008-2022

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	31,726		0.0000	1.0000	100.00
0.5	56,179		0.0000	1.0000	100.00
1.5	81,010		0.0000	1.0000	100.00
2.5	82,237		0.0000	1.0000	100.00
3.5	81,092	1,312	0.0162	0.9838	100.00
4.5	76,182	11,545	0.1515	0.8485	98.38
5.5	86,392	19,785	0.2290	0.7710	83.47
6.5	67,056	22,133	0.3301	0.6699	64.36
7.5	45,507	5,972	0.1312	0.8688	43.11
8.5	43,043	3,957	0.0919	0.9081	37.46
9.5	1,287,476	1,249,496	0.9705	0.0295	34.01
10.5	45,213	2,321	0.0513	0.9487	1.00
11.5	42,892	5,003	0.1166	0.8834	0.95
12.5	37,890		0.0000	1.0000	0.84
13.5	31,512	26,022	0.8258	0.1742	0.84
14.5	5,490	3,260	0.5938	0.4062	0.15
15.5	2,230		0.0000	1.0000	0.06
16.5	2,230	2,230	1.0000		0.06
17.5					

ATMOS ENERGY CORPORATION
 KENTUCKY MID-STATES GENERAL OFFICE
 ACCOUNT 392.00 TRANSPORTATION EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 392.00 TRANSPORTATION EQUIPMENT

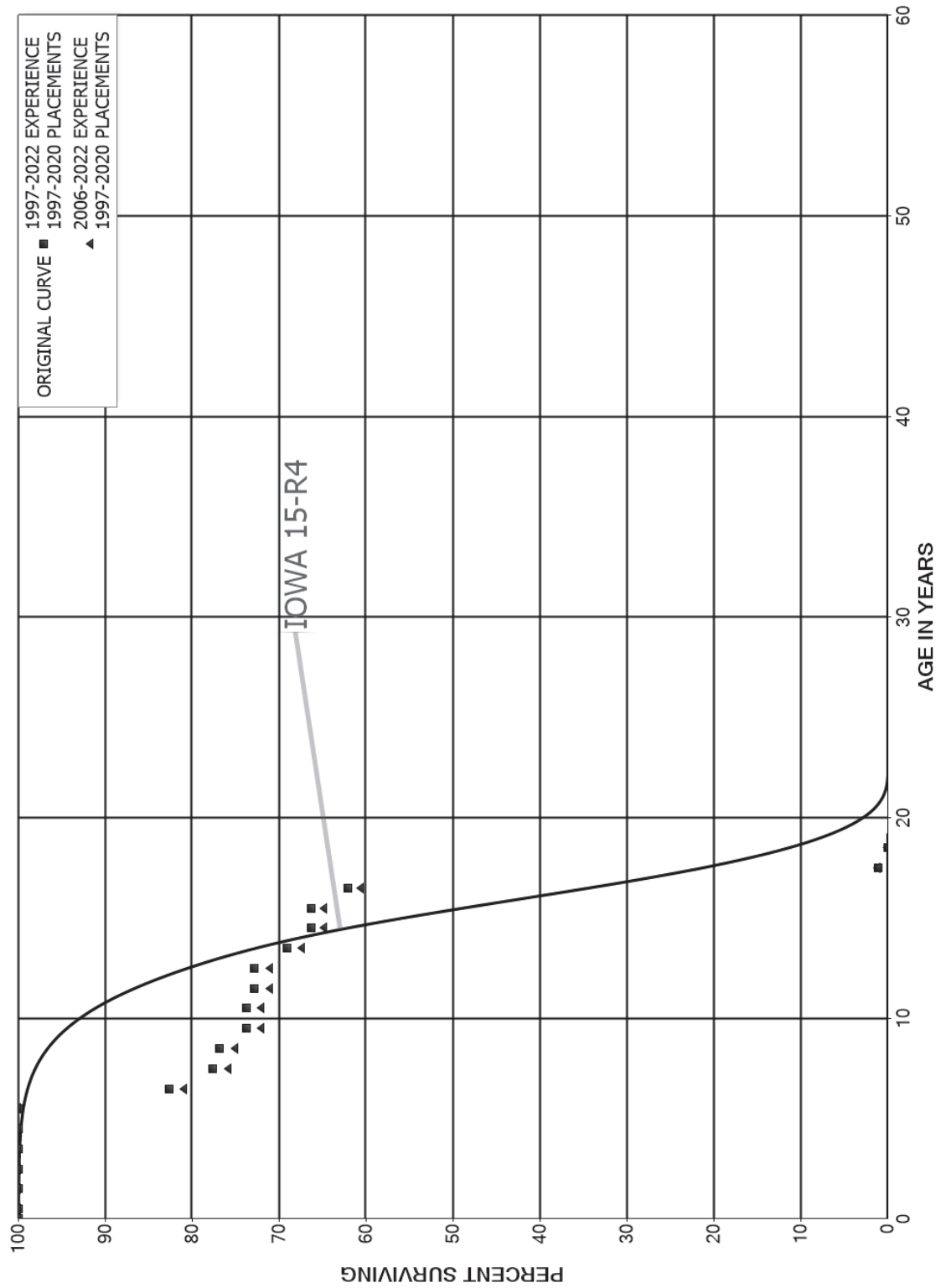
ORIGINAL LIFE TABLE

PLACEMENT BAND 2010-2013

EXPERIENCE BAND 2010-2022

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	4,110		0.0000	1.0000	100.00
0.5	4,110		0.0000	1.0000	100.00
1.5	4,110		0.0000	1.0000	100.00
2.5	4,110		0.0000	1.0000	100.00
3.5	27,285		0.0000	1.0000	100.00
4.5	27,285		0.0000	1.0000	100.00
5.5	27,285		0.0000	1.0000	100.00
6.5	27,285		0.0000	1.0000	100.00
7.5	27,285		0.0000	1.0000	100.00
8.5	27,285		0.0000	1.0000	100.00
9.5	4,110		0.0000	1.0000	100.00
10.5	4,110		0.0000	1.0000	100.00
11.5	4,110		0.0000	1.0000	100.00
12.5					100.00

ATMOS ENERGY CORPORATION
 KENTUCKY MID-STATES GENERAL OFFICE
 ACCOUNT 394.00 TOOLS, SHOP AND GARAGE EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 394.00 TOOLS, SHOP AND GARAGE EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1997-2020

EXPERIENCE BAND 1997-2022

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	294,305		0.0000	1.0000	100.00
0.5	284,726		0.0000	1.0000	100.00
1.5	284,726		0.0000	1.0000	100.00
2.5	266,735		0.0000	1.0000	100.00
3.5	207,896		0.0000	1.0000	100.00
4.5	207,896		0.0000	1.0000	100.00
5.5	194,549	33,845	0.1740	0.8260	100.00
6.5	160,704	9,738	0.0606	0.9394	82.60
7.5	135,735	1,249	0.0092	0.9908	77.60
8.5	134,486	5,505	0.0409	0.9591	76.88
9.5	128,981		0.0000	1.0000	73.74
10.5	130,913	1,641	0.0125	0.9875	73.74
11.5	129,271		0.0000	1.0000	72.81
12.5	129,271	6,688	0.0517	0.9483	72.81
13.5	122,583	4,819	0.0393	0.9607	69.05
14.5	117,764		0.0000	1.0000	66.33
15.5	117,764	7,626	0.0648	0.9352	66.33
16.5	110,138	108,206	0.9825	0.0175	62.04
17.5	1,932	1,932	1.0000		1.09
18.5					

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 394.00 TOOLS, SHOP AND GARAGE EQUIPMENT

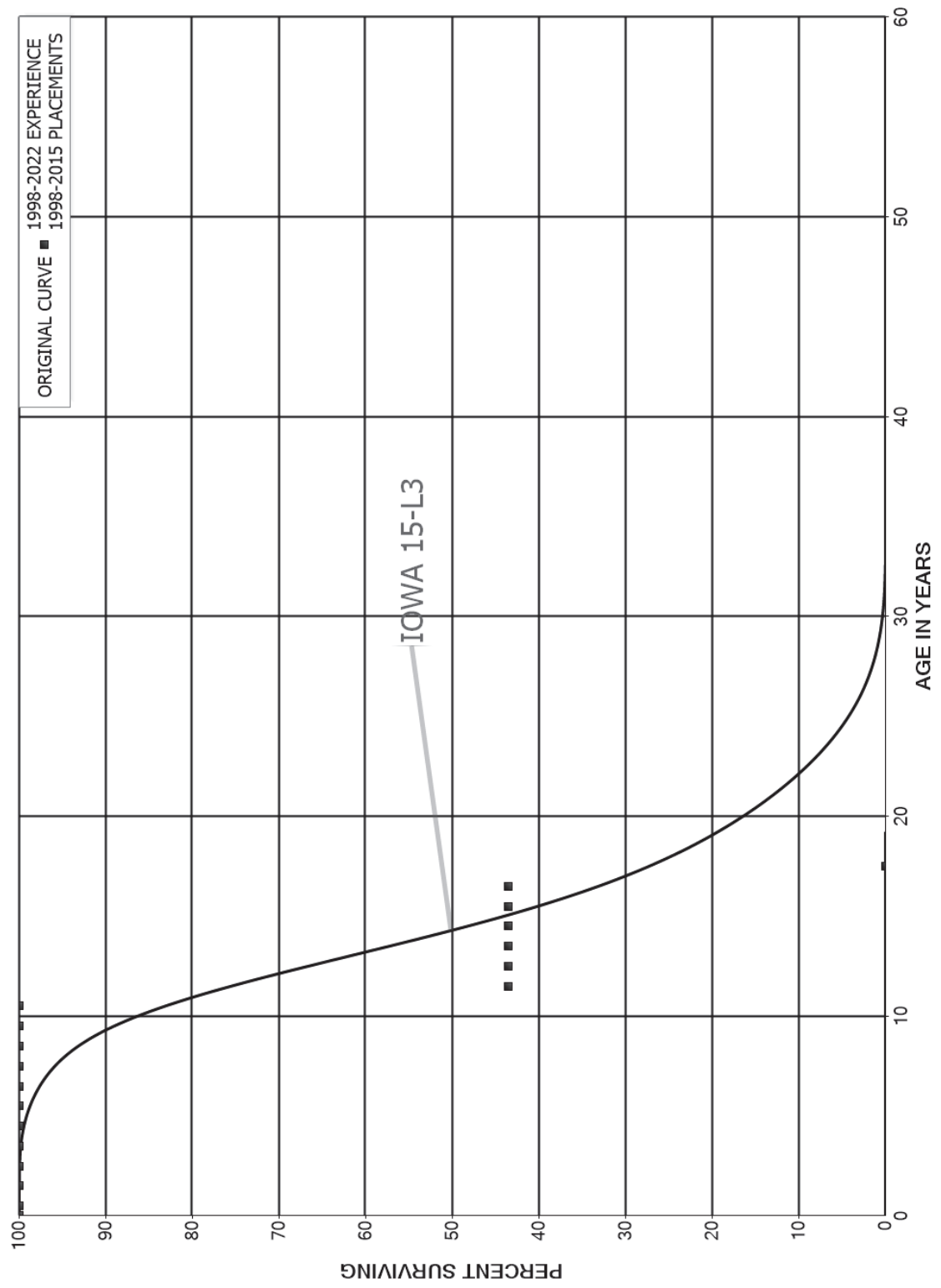
ORIGINAL LIFE TABLE

PLACEMENT BAND 1997-2020

EXPERIENCE BAND 2006-2022

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	153,651		0.0000	1.0000	100.00
0.5	144,073		0.0000	1.0000	100.00
1.5	144,073		0.0000	1.0000	100.00
2.5	240,976		0.0000	1.0000	100.00
3.5	182,137		0.0000	1.0000	100.00
4.5	182,137		0.0000	1.0000	100.00
5.5	176,416	33,845	0.1918	0.8082	100.00
6.5	153,558	9,738	0.0634	0.9366	80.82
7.5	130,230	1,249	0.0096	0.9904	75.69
8.5	134,486	5,505	0.0409	0.9591	74.96
9.5	128,981		0.0000	1.0000	71.90
10.5	130,913	1,641	0.0125	0.9875	71.90
11.5	129,271		0.0000	1.0000	70.99
12.5	129,271	6,688	0.0517	0.9483	70.99
13.5	122,583	4,819	0.0393	0.9607	67.32
14.5	117,764		0.0000	1.0000	64.67
15.5	117,764	7,626	0.0648	0.9352	64.67
16.5	110,138	108,206	0.9825	0.0175	60.49
17.5	1,932	1,932	1.0000		1.06
18.5					

ATMOS ENERGY CORPORATION
 KENTUCKY MID-STATES GENERAL OFFICE
 ACCOUNT 396.00 POWER OPERATED EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 396.00 POWER OPERATED EQUIPMENT

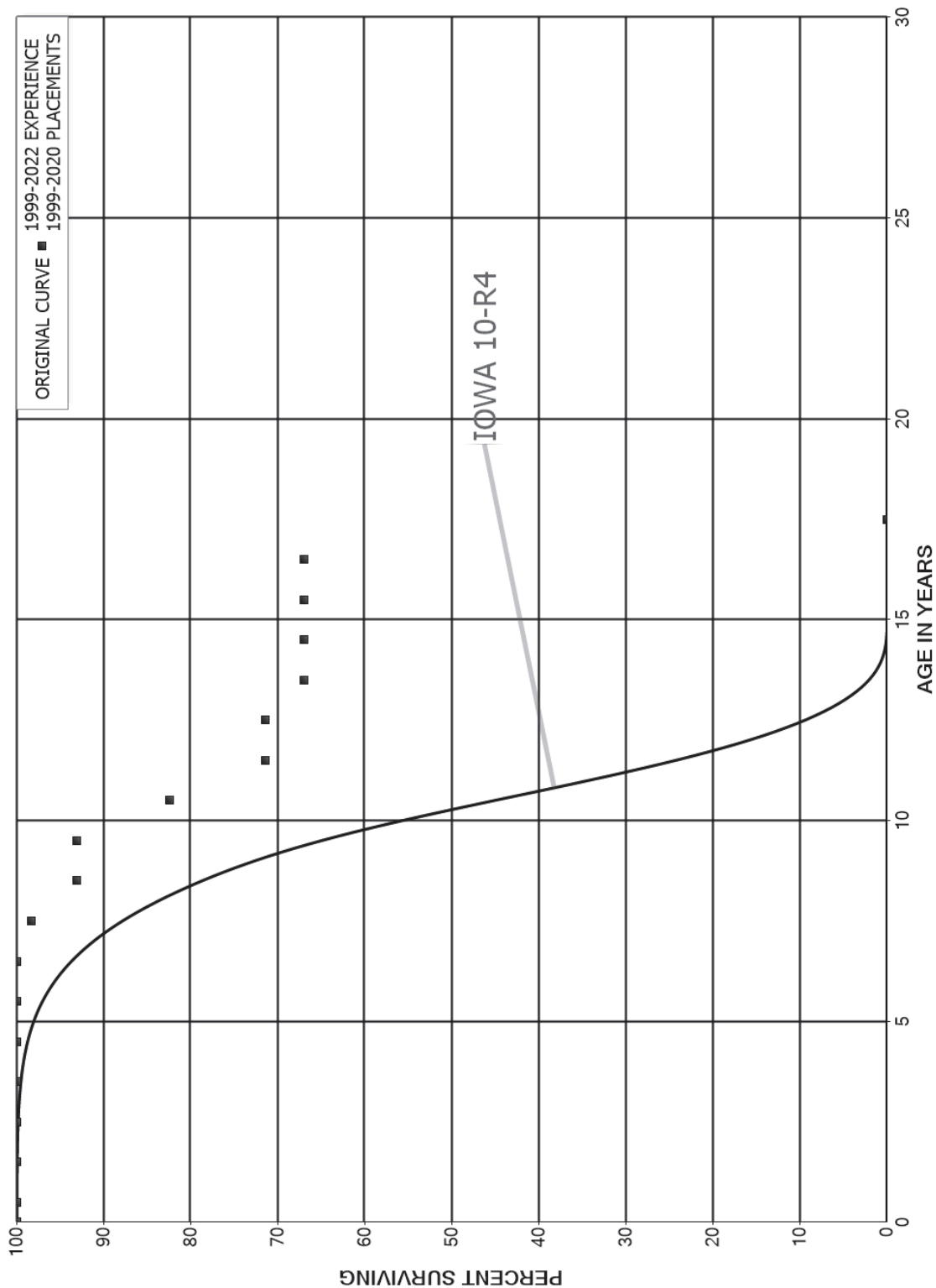
ORIGINAL LIFE TABLE

PLACEMENT BAND 1998-2015

EXPERIENCE BAND 1998-2022

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	29,013		0.0000	1.0000	100.00
0.5	29,013		0.0000	1.0000	100.00
1.5	29,013		0.0000	1.0000	100.00
2.5	29,013		0.0000	1.0000	100.00
3.5	29,013		0.0000	1.0000	100.00
4.5	29,013		0.0000	1.0000	100.00
5.5	29,013		0.0000	1.0000	100.00
6.5	29,013		0.0000	1.0000	100.00
7.5	19,534		0.0000	1.0000	100.00
8.5	19,534		0.0000	1.0000	100.00
9.5	19,534		0.0000	1.0000	100.00
10.5	19,534	11,037	0.5650	0.4350	100.00
11.5	8,497		0.0000	1.0000	43.50
12.5	8,497		0.0000	1.0000	43.50
13.5	8,497		0.0000	1.0000	43.50
14.5	8,497		0.0000	1.0000	43.50
15.5	8,497		0.0000	1.0000	43.50
16.5	8,497	8,497	1.0000		43.50
17.5					

ATMOS ENERGY CORPORATION
 KENTUCKY MID-STATES GENERAL OFFICE
 ACCOUNT 399.03 OTHER TANGIBLE PROPERTY - NETWORK HARDWARE
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 399.03 OTHER TANGIBLE PROPERTY - NETWORK HARDWARE

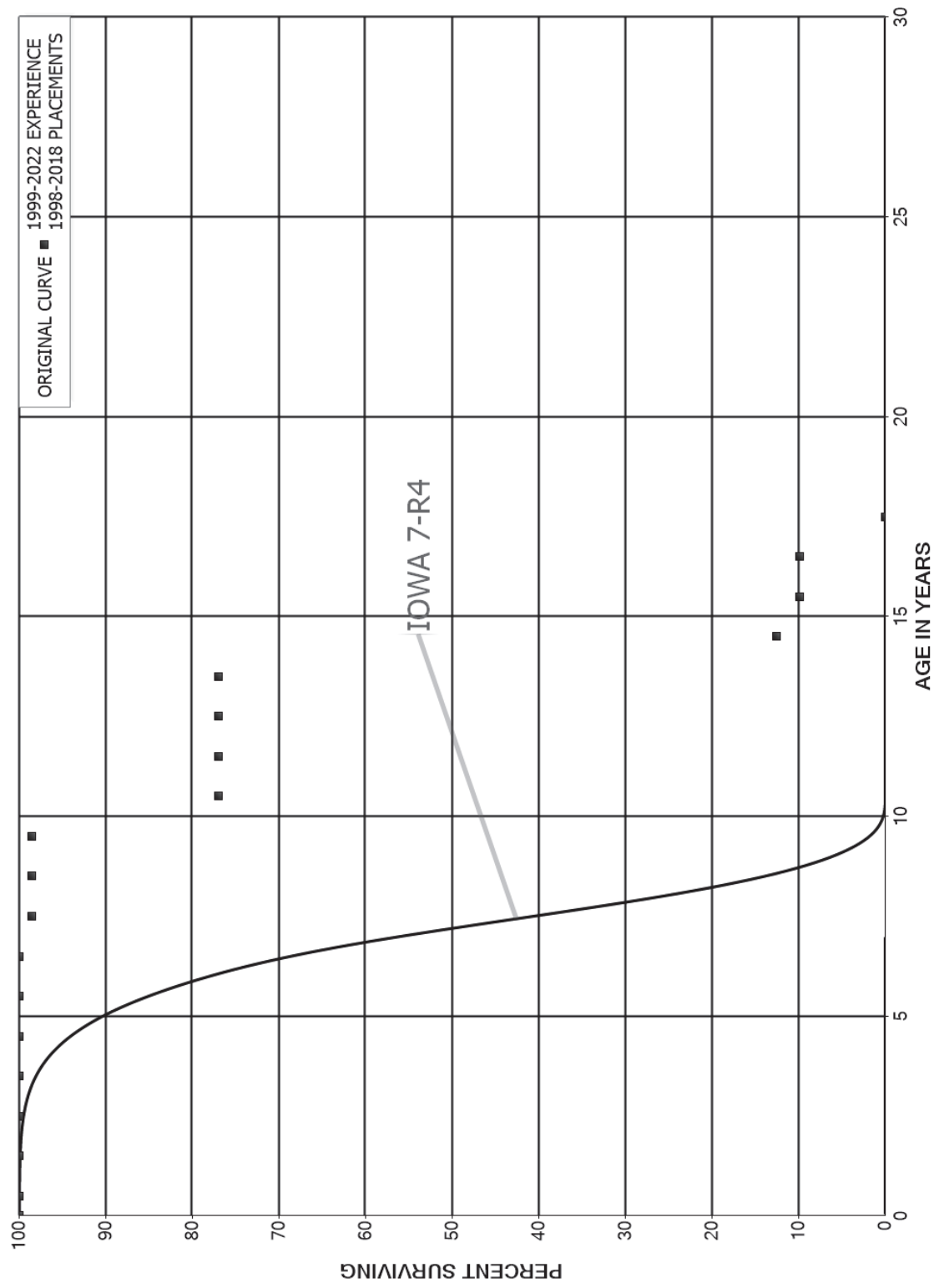
ORIGINAL LIFE TABLE

PLACEMENT BAND 1999-2020

EXPERIENCE BAND 1999-2022

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	283,574		0.0000	1.0000	100.00
0.5	283,574		0.0000	1.0000	100.00
1.5	283,574		0.0000	1.0000	100.00
2.5	279,212		0.0000	1.0000	100.00
3.5	255,308		0.0000	1.0000	100.00
4.5	255,308		0.0000	1.0000	100.00
5.5	255,308		0.0000	1.0000	100.00
6.5	255,308	4,320	0.0169	0.9831	100.00
7.5	250,988	13,274	0.0529	0.9471	98.31
8.5	237,714		0.0000	1.0000	93.11
9.5	234,104	26,829	0.1146	0.8854	93.11
10.5	207,275	27,749	0.1339	0.8661	82.44
11.5	179,526		0.0000	1.0000	71.40
12.5	179,526	11,191	0.0623	0.9377	71.40
13.5	168,335		0.0000	1.0000	66.95
14.5	168,335		0.0000	1.0000	66.95
15.5	168,335		0.0000	1.0000	66.95
16.5	168,335	168,335	1.0000		66.95
17.5					

ATMOS ENERGY CORPORATION
 KENTUCKY MID-STATES GENERAL OFFICE
 ACCOUNT 399.07 OTHER TANGIBLE PROPERTY - PC SOFTWARE
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 399.07 OTHER TANGIBLE PROPERTY - PC SOFTWARE

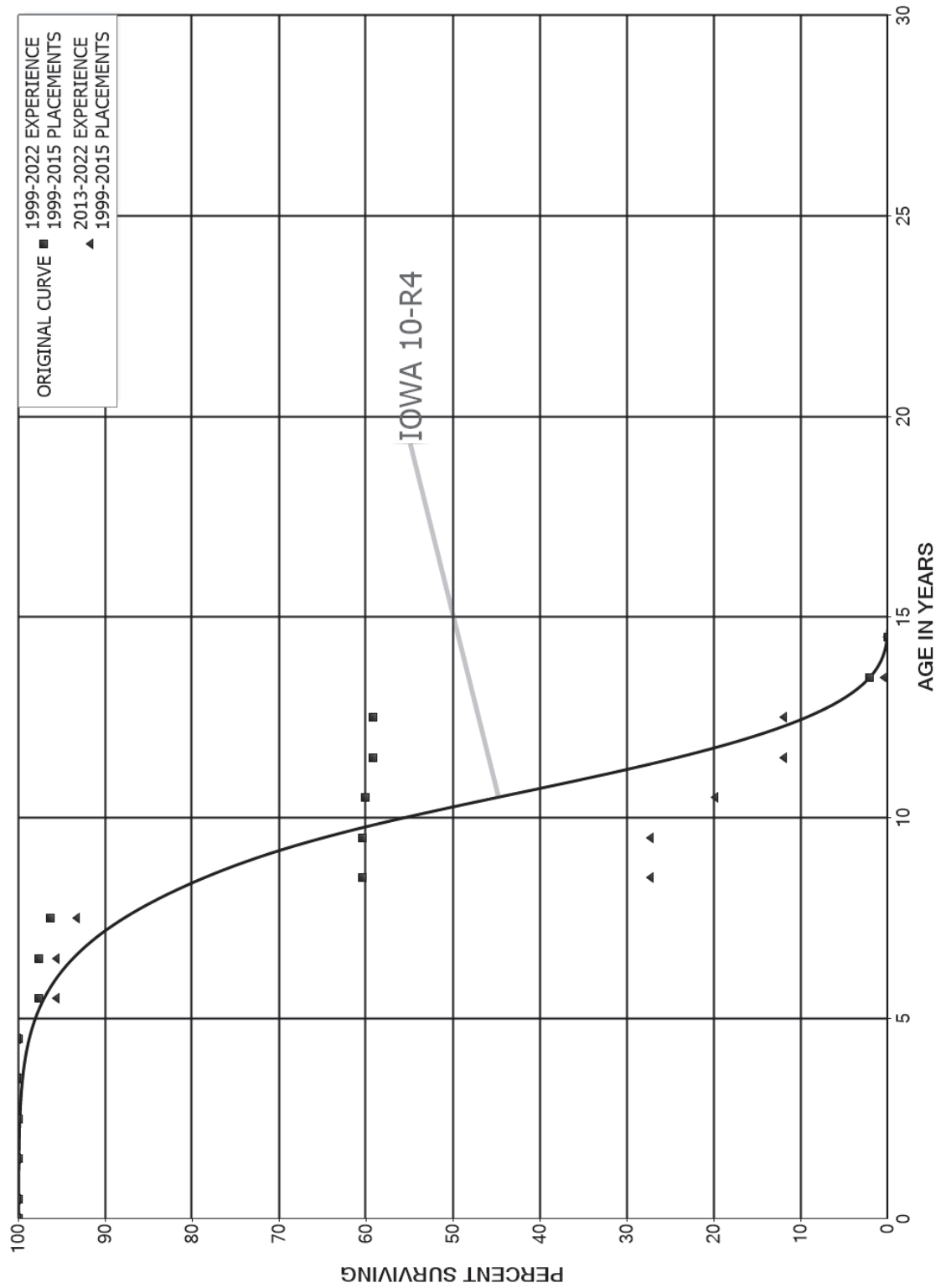
ORIGINAL LIFE TABLE

PLACEMENT BAND 1998-2018

EXPERIENCE BAND 1999-2022

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	203,853		0.0000	1.0000	100.00
0.5	203,853		0.0000	1.0000	100.00
1.5	203,853		0.0000	1.0000	100.00
2.5	203,853		0.0000	1.0000	100.00
3.5	203,853		0.0000	1.0000	100.00
4.5	160,331		0.0000	1.0000	100.00
5.5	160,331		0.0000	1.0000	100.00
6.5	160,331	2,374	0.0148	0.9852	100.00
7.5	157,956		0.0000	1.0000	98.52
8.5	122,893		0.0000	1.0000	98.52
9.5	122,893	26,948	0.2193	0.7807	98.52
10.5	99,309		0.0000	1.0000	76.92
11.5	99,309		0.0000	1.0000	76.92
12.5	99,309		0.0000	1.0000	76.92
13.5	99,309	83,192	0.8377	0.1623	76.92
14.5	16,117	3,364	0.2087	0.7913	12.48
15.5	12,753		0.0000	1.0000	9.88
16.5	12,753	12,753	1.0000		9.88
17.5					

ATMOS ENERGY CORPORATION
 KENTUCKY MID-STATES GENERAL OFFICE
 ACCOUNT 399.08 OTHER TANGIBLE PROPERTY - APPLICATION EQUIPMENT
 ORIGINAL AND SMOOTH SURVIVOR CURVES



ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 399.08 OTHER TANGIBLE PROPERTY - APPLICATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1999-2015

EXPERIENCE BAND 1999-2022

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	1,606,195		0.0000	1.0000	100.00
0.5	1,606,195		0.0000	1.0000	100.00
1.5	1,606,195		0.0000	1.0000	100.00
2.5	1,606,195		0.0000	1.0000	100.00
3.5	1,606,195		0.0000	1.0000	100.00
4.5	1,606,195	38,575	0.0240	0.9760	100.00
5.5	1,567,620		0.0000	1.0000	97.60
6.5	1,567,620	20,641	0.0132	0.9868	97.60
7.5	1,528,248	569,994	0.3730	0.6270	96.31
8.5	958,254		0.0000	1.0000	60.39
9.5	739,111	4,418	0.0060	0.9940	60.39
10.5	734,693	10,700	0.0146	0.9854	60.03
11.5	723,993		0.0000	1.0000	59.16
12.5	723,993	699,377	0.9660	0.0340	59.16
13.5	24,616	24,616	1.0000		2.01
14.5					

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 399.08 OTHER TANGIBLE PROPERTY - APPLICATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1999-2015

EXPERIENCE BAND 2013-2022

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	828,509		0.0000	1.0000	100.00
0.5	867,085		0.0000	1.0000	100.00
1.5	867,085		0.0000	1.0000	100.00
2.5	867,085		0.0000	1.0000	100.00
3.5	867,085		0.0000	1.0000	100.00
4.5	867,085	38,575	0.0445	0.9555	100.00
5.5	828,509		0.0000	1.0000	95.55
6.5	832,927	20,641	0.0248	0.9752	95.55
7.5	804,255	569,994	0.7087	0.2913	93.18
8.5	234,261		0.0000	1.0000	27.14
9.5	16,084	4,418	0.2747	0.7253	27.14
10.5	26,971	10,700	0.3967	0.6033	19.69
11.5	16,271		0.0000	1.0000	11.88
12.5	714,681	699,377	0.9786	0.0214	11.88
13.5	24,616	24,616	1.0000		0.25
14.5					

PART VIII. NET SALVAGE STATISTICS

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 391.00 OFFICE FURNITURE AND EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2008	1,287,606		0		0		0
2009							
2010	7,889		0		0		0
2011							
2012							
2013							
2014	22,133		0		0		0
2015	2,230		0		0		0
2016	1,106		0		0		0
2017							
2018	2,788		0		0		0
2019							
2020	27,249		0		0		0
2021	2,033		0		0		0
2022							
TOTAL	1,353,035		0		0		0

THREE-YEAR MOVING AVERAGES

08-10	431,832		0		0		0
09-11	2,630		0		0		0
10-12	2,630		0		0		0
11-13							
12-14	7,378		0		0		0
13-15	8,121		0		0		0
14-16	8,490		0		0		0
15-17	1,112		0		0		0
16-18	1,298		0		0		0
17-19	929		0		0		0
18-20	10,012		0		0		0
19-21	9,761		0		0		0
20-22	9,761		0		0		0

FIVE-YEAR AVERAGE

18-22	6,414		0		0		0
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ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 392.00 TRANSPORTATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2016				5,024		5,024	
2017							
2018							
2019							
2020							
2021							
2022							
TOTAL				5,024		5,024	
THREE-YEAR MOVING AVERAGES							
16-18				1,675		1,675	
17-19							
18-20							
19-21							
20-22							
FIVE-YEAR AVERAGE							
18-22							

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 394.00 TOOLS, SHOP AND GARAGE EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2006	15,243		0		0		0
2007	1,249		0	48	4	48	4
2008							
2009	1,641		0		0		0
2010							
2011							
2012							
2013	419-		0		0		0
2014							
2015							
2016	16,246		0		0		0
2017							
2018							
2019							
2020	132,230		0		0		0
2021	15,060		0		0		0
2022							
TOTAL	181,250		0	48	0	48	0

THREE-YEAR MOVING AVERAGES

06-08	5,497		0	16	0	16	0
07-09	963		0	16	2	16	2
08-10	547		0		0		0
09-11	547		0		0		0
10-12							
11-13	140-		0		0		0
12-14	140-		0		0		0
13-15	140-		0		0		0
14-16	5,415		0		0		0
15-17	5,415		0		0		0
16-18	5,415		0		0		0
17-19							
18-20	44,077		0		0		0
19-21	49,096		0		0		0
20-22	49,096		0		0		0

FIVE-YEAR AVERAGE

18-22	29,458		0		0		0
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ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 396.00 POWER OPERATED EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2015	8,497		0		0		0
2016							
2017							
2018							
2019							
2020							
2021	11,037		0		0		0
2022							
TOTAL	19,534		0		0		0
THREE-YEAR MOVING AVERAGES							
15-17	2,832		0		0		0
16-18							
17-19							
18-20							
19-21	3,679		0		0		0
20-22	3,679		0		0		0
FIVE-YEAR AVERAGE							
18-22	2,207		0		0		0

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 399.03 OTHER TANGIBLE PROPERTY - NETWORK HARDWARE

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2013	42,340		0		0		0
2014							
2015							
2016	209,358		0		0		0
2017							
2018							
2019							
2020							
2021							
2022							
TOTAL	251,698		0		0		0
THREE-YEAR MOVING AVERAGES							
13-15	14,114		0		0		0
14-16	69,786		0		0		0
15-17	69,786		0		0		0
16-18	69,786		0		0		0
17-19							
18-20							
19-21							
20-22							
FIVE-YEAR AVERAGE							
18-22							

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 399.07 OTHER TANGIBLE PROPERTY - PC SOFTWARE

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2013	88,815		0		0		0
2014							
2015							
2016	39,816		0		0		0
2017							
2018							
2019							
2020							
2021							
2022							
TOTAL	128,631		0		0		0
THREE-YEAR MOVING AVERAGES							
13-15	29,605		0		0		0
14-16	13,272		0		0		0
15-17	13,272		0		0		0
16-18	13,272		0		0		0
17-19							
18-20							
19-21							
20-22							
FIVE-YEAR AVERAGE							
18-22							

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 399.08 OTHER TANGIBLE PROPERTY - APPLICATION SOFTWARE

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2013	707,722		0		0		0
2014							
2015							
2016	31,388		0		0		0
2017	38,575		0		0		0
2018							
2019							
2020							
2021	590,635		0		0		0
2022							
TOTAL	1,368,321		0		0		0
THREE-YEAR MOVING AVERAGES							
13-15	235,907		0		0		0
14-16	10,463		0		0		0
15-17	23,321		0		0		0
16-18	23,321		0		0		0
17-19	12,858		0		0		0
18-20							
19-21	196,878		0		0		0
20-22	196,878		0		0		0
FIVE-YEAR AVERAGE							
18-22	118,127		0		0		0

PART IX. DETAILED DEPRECIATION CALCULATIONS

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 390.01 STRUCTURES AND IMPROVEMENTS - FRAME

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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						
NET SALVAGE PERCENT.. -10						
2002	143,668.72	66,375	10,585	147,451	23.20	6,356
2003	35,669.80	15,754	2,512	36,725	23.94	1,534
	179,338.52	82,129	13,097	184,175		7,890
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						23.3 4.40

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 390.04 STRUCTURES AND IMPROVEMENTS - AIR CONDITIONING EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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-R2						
NET SALVAGE PERCENT.. -10						
1998	5,771.00	5,938	6,348			
2016	9,612.91	3,729	4,505	6,069	9.71	625
	15,383.91	9,667	10,853	6,069		625
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						9.7 4.06

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 390.09 STRUCTURES AND IMPROVEMENTS - IMPROVEMENTS - LEASED

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
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SURVIVOR CURVE.. IOWA 20-R3
NET SALVAGE PERCENT.. 0

1999	38,834.00	33,494	38,834			
	38,834.00	33,494	38,834			

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 391.00 OFFICE FURNITURE AND EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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-R3						
NET SALVAGE PERCENT.. 0						
2009	6,377.62	3,763	1,851	4,527	8.20	552
2015	2,949.48	1,013	498	2,451	13.13	187
2018	15,143.80	3,112	1,530	13,614	15.89	857
2019	2,457.03	388	191	2,266	16.84	135
	26,927.93	8,276	4,070	22,858		1,731
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						13.2 6.43

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 392.00 TRANSPORTATION EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 12-L2.5						
NET SALVAGE PERCENT.. +5						
2010	4,109.69	2,574	2,330	1,574	4.09	385
2013	23,175.00	13,191	11,942	10,074	4.81	2,094
	27,284.69	15,765	14,272	11,648		2,479
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						4.7 9.09

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 394.00 TOOLS, SHOP AND GARAGE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 15-R4						
NET SALVAGE PERCENT.. 0						
2015	15,231.55	7,199	8,864	6,368	7.91	805
2017	13,346.43	4,627	5,698	7,648	9.80	780
2019	58,839.38	12,709	15,649	43,190	11.76	3,673
2020	22,810.06	3,406	4,194	18,616	12.76	1,459
	110,227.42	27,941	34,405	75,822		6,717
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						11.3 6.09

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 396.00 POWER OPERATED EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

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-L3						
NET SALVAGE PERCENT.. +5						
2015	9,478.52	4,142	1,015	7,990	8.10	986
	9,478.52	4,142	1,015	7,990		986
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						8.1 10.40

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 399.03 OTHER TANGIBLE PROPERTY - NETWORK HARDWARE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 10-R4						
NET SALVAGE PERCENT.. 0						
2019	23,903.89	7,697	5,989	17,915	6.78	2,642
2020	4,362.55	977	760	3,603	7.76	464
	28,266.44	8,674	6,749	21,517		3,106
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 6.9						10.99

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 399.07 OTHER TANGIBLE PROPERTY - PC SOFTWARE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 7-R4						
NET SALVAGE PERCENT.. 0						
2014	35,063.77	32,158	31,180	3,884	0.58	3,884
2018	43,521.91	25,367	24,596	18,926	2.92	6,482
	78,585.68	57,525	55,776	22,810		10,366
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 2.2						13.19

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

ACCOUNT 399.08 OTHER TANGIBLE PROPERTY - APPLICATION SOFTWARE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF SEPTEMBER 30, 2022

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 10-R4						
NET SALVAGE PERCENT.. 0						
2013	219,143.35	178,383	180,017	39,126	1.86	21,035
2015	18,731.46	12,681	12,797	5,934	3.23	1,837
	237,874.81	191,064	192,814	45,061		22,872
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 2.0						9.62

Exhibit NWA-3

ATMOS ENERGY CORPORATION
SHARED SERVICES UNIT

DEPRECIATION RATE STUDY

As of September 30, 2022



<http://www.utilityalliance.com>

ATMOS ENERGY CORPORATION - SHARED SERVICES UNIT
DEPRECIATION RATE STUDY
EXECUTIVE SUMMARY

Atmos Energy Corporation (“Atmos” or “Company”) engaged Alliance Consulting Group to conduct a depreciation study of the Company’s Shared Services Unit (“SSU” or “Shared Services”) operations depreciable assets as of fiscal year end September 30, 2022. SSU provides support to Atmos’ regulated utility divisions.

The regulated natural gas utility divisions during the year ended September 30, 2022 were:

- Atmos Colorado-Kansas Division
- Atmos Louisiana Division
- Atmos Kentucky Mid-States (Kentucky, Tennessee, and Virginia) Division
- Atmos Mississippi Division
- Atmos Mid-Tex Division
- Atmos West Texas Division
- Atmos Pipeline Texas Division

The depreciation rates are based on the straight-line method, equal life group (“ELG”) procedure, and remaining-life technique. This study results in an annual depreciation expense accrual of \$28.9 million when applied to depreciable plant balances as of September 30, 2022.

The depreciation study we conducted analyzed and developed depreciation recommendations at an account level. The resulting annual depreciation accrual amount and depreciation rates contained in this study are at the account level. The Company will accrue depreciation expense based on the account level depreciation rates developed in this study. Appendix A provides the annual depreciation expense. Appendix B provides the calculation of annual depreciation accrual expense and rates. Appendix C provides the proposed depreciation parameters. Appendix D provides the net salvage analysis.

ATMOS ENERGY CORPORATION
SHARED SERVICES UNIT
DEPRECIATION RATE STUDY
As of September 30, 2022
Table of Contents

PURPOSE	1
STUDY RESULTS	2
GENERAL DISCUSSION.....	3
DEFINITION	3
BASIS OF DEPRECIATION ESTIMATES	3
SURVIVOR CURVES	4
ACTUARIAL ANALYSIS.....	6
JUDGMENT.....	7
EQUAL LIFE GROUP DEPRECIATION	8
THEORETICAL DEPRECIATION RESERVE	8
DETAILED DISCUSSION.....	10
DEPRECIATION STUDY PROCESS	10
DEPRECIATION RATE CALCULATION	13
REMAINING LIFE CALCULATION	13
LIFE ANALYSIS	14
NET SALVAGE CONSIDERATIONS	15
APPENDIX A - ANNUAL ACCRUAL AND RATE.....	32
APPENDIX B - CALCULATION OF ACCRUAL AND RATES	34
APPENDIX C - PARAMETERS	36
APPENDIX D - NET SALVAGE ANALYSIS.....	38

PURPOSE

The purpose of this study is to develop depreciation rates for the depreciable property as recorded on Shared Services' books at September 30, 2022. The account based depreciation rates were designed to recover the total remaining undepreciated investment, adjusted for net salvage, over the remaining life of Shared Services' property on a straight-line basis. Non-depreciable property and property that is amortized, such as intangibles, were excluded from this study.

Shared Services is a division of Atmos Corporation dedicated to providing various support services to its operating companies. Shared Services consists of two Divisions, Division 02 – General Office and Division 12 – Customer Support. For purposes of this study, Division 02 and Division 12 were combined for analysis and rate calculations. As of the study date, Shared Services supported regulated gas utility divisions operating in eight different states.

STUDY RESULTS

The current study's annual depreciation expense results from the use of Iowa Curve dispersion patterns with average service lives over a straight-line basis as well as the equal life group ("ELG") procedure and remaining-life technique. Consideration was given to appropriate net salvage factors in the development of the study recommended depreciation rates. Detailed information for each of these factors will follow in this report.

Overall depreciation rates for Shared Services depreciable property are shown in Appendix A. These rates translate into an annual depreciation accrual of \$28.9 million based on Shared Services' depreciable investment at September 30, 2022.

The recommended annual depreciation accrual rates and expense are shown in Appendix A. Appendix B presents the development of the depreciation rates and annual accruals. Appendix C presents the recommended study mortality and net salvage parameters by account. Appendix D shows net salvage history by plant account.

GENERAL DISCUSSION

Definition

The term "depreciation" as used in this study is considered in the accounting sense, that is, a system of accounting that distributes the cost of assets, less net salvage (if any), over the estimated useful life of the assets in a systematic and rational manner. It is a process of allocation, not valuation. This expense is systematically allocated to accounting periods over the life of the properties. The amount allocated to any one accounting period does not necessarily represent the loss or decrease in value that will occur during a particular period. The Company accrues depreciation based on original cost of all depreciable property included in each functional property group. On retirement the full cost of depreciable property, less the net salvage value, is charged to the depreciation reserve.

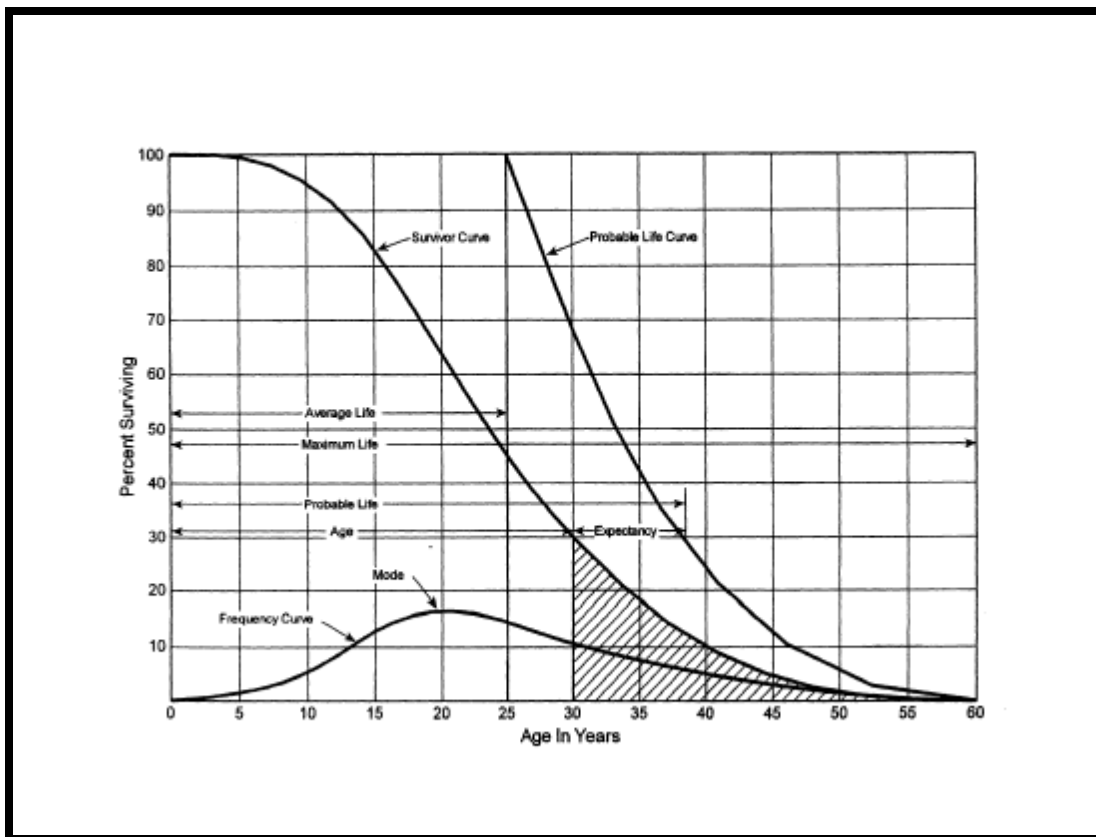
Basis of Depreciation Estimates

The straight-line, ELG, remaining-life depreciation system was employed to calculate annual and accrued depreciation in this study. In this system, the annual depreciation expense for each group is computed by dividing the original cost of the asset less allocated depreciation reserve less estimated net salvage by its respective equal life group remaining life. The resulting annual accrual amounts of all depreciable property within a function were accumulated, and the total was divided by the original cost of all functional depreciable property to determine the depreciation rate. The calculated remaining lives and annual depreciation accrual rates were based on attained ages of plant in service and the estimated service life and salvage characteristics of each depreciable group. The computations of the annual depreciation rates are shown in Appendix B and remaining life calculations are provided in the workpapers.

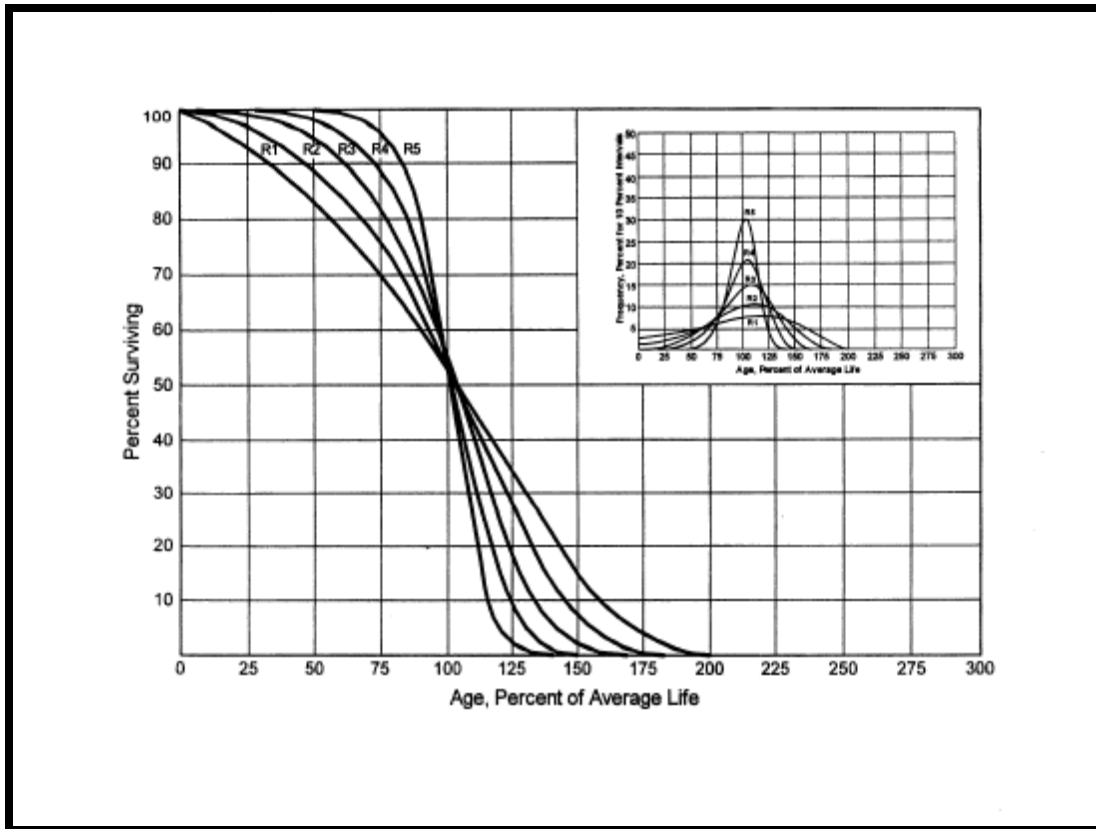
Actuarial analysis was used with each account within a function, where sufficient data was available, and judgment was used to some degree on all accounts.

Survivor Curves

To fully understand depreciation projections in a regulated utility setting, there must be a basic understanding of survivor curves. Individual property units within a group do not normally have identical lives or investment amounts. The average life of a group can be determined by first constructing a survivor curve which is plotted as a percentage of the units surviving at each age. A survivor curve represents the percentage of property remaining in service at various age intervals. The Iowa Curves are the result of an extensive investigation of life characteristics of physical property made at Iowa State College Engineering Experiment Station in the first half of the prior century. Through common usage, revalidation and regulatory acceptance, these curves have become a descriptive standard for the life characteristics of industrial property. An example of an Iowa Curve is shown below.



There are four families in the Iowa Curves that are distinguished by the relation of the age at the retirement mode (largest annual retirement frequency) and the average life. For distributions with the mode age greater than the average life, an "R" designation (i.e., Right modal) is used. The family of "R" moded curves is shown below.



Similarly, an "S" designation (i.e., Symmetric modal) is used for the family whose mode age is symmetric about the average life. An "L" designation (i.e., Left modal) is used for the family whose mode age is less than the average life. A special case of left modal dispersion is the "O" or origin modal curve family. Within each curve family, numerical designations are used to describe the relative magnitude of the retirement frequencies at the mode. A "6" indicates that the retirements are not greatly dispersed from the mode (i.e., high mode frequency) while a "1" indicates a large dispersion about the mode (i.e., low mode frequency). For example, a curve with an average life of 30 years and an

"L3" dispersion is a moderately dispersed, left modal curve that can be designated as a 30 L3 Curve. An SQ, or square, survivor curve occurs where no dispersion is present (i.e., units of common age retire simultaneously).

Most property groups can be closely fitted to one Iowa Curve with a unique average service life. The blending of judgment concerning current conditions and future trends along with the matching of historical data permits the depreciation analyst to make an informed selection of an account's average life and retirement dispersion pattern.

Actuarial Analysis

Actuarial analysis (retirement rate method) was used in evaluating historical asset retirement experience where vintage data were available and sufficient retirement activity was present. In actuarial analysis, interval exposures (total property subject to retirement at the beginning of the age interval, regardless of vintage) and age interval retirements are calculated. The complement of the ratio of interval retirements to interval exposures establishes a survivor ratio. The survivor ratio is the fraction of property surviving to the end of the selected age interval, given that it has survived to the beginning of that age interval. Survivor ratios for all of the available age intervals were chained by successive multiplications to establish a series of survivor factors, collectively known as an observed life table. The observed life table shows the experienced mortality characteristic of the account and may be compared to standard mortality curves such as the Iowa Curves. Where data was available, accounts were analyzed using this method. Placement bands were used to illustrate the composite history over a specific era, and experience bands were used to focus on retirement history for all vintages during a set period. The results from these analyses for those accounts which had data sufficient to be analyzed using this method are shown in the Life Analysis section of this report.

Judgment

Any depreciation study requires informed judgment by the analyst conducting the study. A knowledge of the property being studied, company policies and procedures, general trends in technology and industry practice, and a sound basis of understanding depreciation theory are needed to apply this informed judgment. Judgment was used in areas such as survivor curve modeling and selection, depreciation method selection, simulated plant record method analysis, and actuarial analysis.

Judgment is not defined as being used in cases where there are specific, significant pieces of information that influence the choice of a life or curve. Those cases would simply be a reflection of specific facts into the analysis. Where there are multiple factors, activities, actions, property characteristics, statistical inconsistencies, implications of applying certain curves, property mix in accounts or a multitude of other considerations that impact the analysis (potentially in various directions), judgment is used to take all of these factors and synthesize them into a general direction or understanding of the characteristics of the property. Individually, no one factor in these cases may have a substantial impact on the analysis, but overall, may shed light on the utilization and characteristics of assets. Judgment may also be defined as deduction, inference, wisdom, common sense, or the ability to make sensible decisions. There is no single correct result from statistical analysis; hence, there is no answer absent judgment. At the very least for example, any analysis requires choosing which bands to place more emphasis.

The establishment of appropriate average service lives and retirement dispersions for Shared Services' accounts requires judgment to incorporate the understanding of the operation of the system with the available accounting information analyzed using the Retirement Rate actuarial methods. The appropriateness of lives and curves depends not only on statistical analyses, but also on how well future retirement patterns will match past retirements.

Current applications and trends in use of the equipment also need to be factored into life and survivor curve choices in order for appropriate mortality characteristics to be chosen.

Equal Life Group Depreciation

Atmos agreed that the continued use of the ELG depreciation procedure was appropriate. This study uses the ELG depreciation procedure to group the assets within each account. After an average service life and dispersion were selected for each account, those parameters were used to estimate what portion of the surviving investment of each vintage was expected to retire. The depreciation of the group continues until all investment in the vintage group is retired. ELG groups are defined by their respective account dispersion, life, and net salvage estimates. A straight-line rate for each ELG group is computed and accumulated across each vintage. The resulting rate for each ELG group is designed to recover all retirements less net salvage as each vintage retires. The ELG procedure recovers net book cost over the life of each ELG group rather than averaging many components. It also closely matches the concept of component or item accounting found in all accounting textbooks.

Theoretical Depreciation Reserve

The Company's book depreciation reserves were reallocated based on the theoretical reserves for each account. This study used a reserve model that relied on a prospective concept relating future retirement and accrual patterns for property, given current life and salvage estimates. The theoretical reserve of a group is developed from the estimated remaining life, total life of the property group, and estimated net salvage. The theoretical reserve represents the portion of the group cost that would have been accrued if current forecasts were used throughout the life of the group for future depreciation accruals. The computation involves multiplying the vintage balances within the group by the theoretical

reserve ratio for each vintage. The equal life group method requires an estimate of dispersion and service life to establish how much of each vintage is expected to be retired in each year until all property within the vintage is retired. Estimated average service lives and dispersion determine the amount within each equal life group. The equal life group-remaining-life theoretical reserve ratio (RRELG) is calculated as:

$$RRELG = 1 - \frac{(ELG \text{ Remaining Life})}{(ELG \text{ Life})} * (1 - \text{Net Salvage Ratio})$$

DETAILED DISCUSSION

Depreciation Study Process

This depreciation study encompassed four distinct phases. The first phase involved data collection and field interviews. The second phase was where the initial data analysis occurred. The third phase was where the information and analysis was evaluated. Once the first three stages were complete, the fourth phase began. This phase involved the calculation of depreciation rates and documenting the corresponding recommendations.

During the Phase 1 data collection process, historical data was compiled from continuing property records and general ledger systems. Data was validated for accuracy by extracting and comparing to multiple financial system sources. Audit of this data was validated against historical data from prior periods, historical general ledger sources, and field personnel discussions. This data was reviewed extensively to put in the proper format for a depreciation study. Further discussion on data review and adjustment is found in the Salvage Considerations Section of this study. Also as part of the Phase 1 data collection process, numerous discussions were conducted with engineers and field operations personnel to obtain information that would assist in formulating life and salvage recommendations in this study. One of the most important elements of performing a proper depreciation study is to understand how the Company utilizes assets and the environment of those assets. Interviews with engineering and operations personnel are important ways to allow the analyst to obtain information that is beneficial when evaluating the output from the life and net salvage programs in relation to the Company's actual asset utilization and environment. Information that was gleaned in these discussions is found both in the Detailed Discussion of this study in the life analysis and salvage analysis sections and also in workpapers.

Phase 2 is where the actuarial analysis is performed. Phases 2 and 3 overlap to a significant degree. The detailed property records information is used in Phase 2 to develop observed life tables for life analysis. These tables are visually compared to industry standard tables to determine historical life characteristics. It is possible that the analyst would cycle back to this phase based on the evaluation process performed in Phase 3. Net salvage analysis consists of compiling historical salvage and removal data by functional group to determine values and trends in gross salvage and removal cost. This information was then carried forward into Phase 3 for the evaluation process.

Phase 3 is the evaluation process which synthesizes analysis, interviews, and operational characteristics into a final selection of asset lives and net salvage parameters. The historical analysis from Phase 2 is further enhanced by the incorporation of recent or future changes in the characteristics or operations of assets that were revealed in Phase 1. Phases 2 and 3 allow the depreciation analyst to validate the asset characteristics as seen in the accounting transactions with actual Company operational experience.

Finally, Phase 4 involved calculating accrual rates, making recommendations, and documenting the conclusions in a final report. The calculation of accrual rates is found in Appendix B. Recommendations for the various accounts are contained within the Detailed Discussion of this report. The depreciation study flow diagram shown as Figure 1¹ documents the steps used in conducting this study. Depreciation Systems, page 289 documents the same basic processes in performing a depreciation study which are: statistical analyses, evaluation of statistical analysis, discussions with management, forecast assumptions, write logic supporting forecasts and estimation, and write final report.

¹ Public Utility Finance & Accounting, A Reader

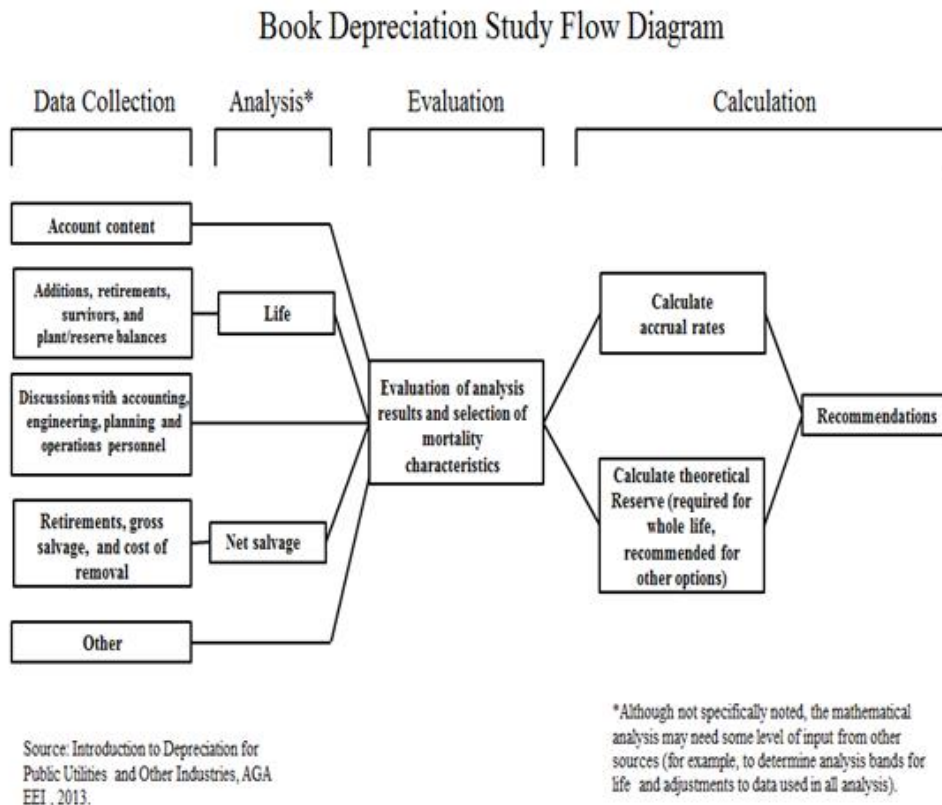


Figure 1

SHARED SERVICES DEPRECIATION STUDY PROCESS

Depreciation Rate Calculation

Annual depreciation expense amounts for the depreciable property accounts of Shared Services were calculated by the straight line, equal life group, and remaining-life system. With this approach, remaining lives were calculated according to standard ELG group expectancy techniques, using the Iowa Curves noted in the calculation. For each plant account, the difference between the surviving investment, adjusted for estimated net salvage and the allocated book depreciation reserve, was divided by the average remaining life to yield the annual depreciation expense. These calculations are shown in Appendix B.

Remaining Life Calculation

The establishment of appropriate average service lives and retirement dispersions for each account within a functional group was based on engineering judgment that incorporated available accounting information analyzed using the actuarial methods. After establishment of appropriate average service lives and retirement dispersions, remaining lives were computed for each account. The theoretical depreciation reserve with zero net salvage (used in calculating remaining life) was calculated using theoretical reserve ratios as defined in the theoretical reserve portion of the general discussion section. The difference between plant balance and theoretical reserve was then spread over the ELG depreciation accruals. After accumulating the ELG accruals across each vintage, the annual accrual was divided into the net balance to compute remaining life. Details of the theoretical reserve computations, ELG accruals, and remaining life are found by account in the study workpapers.

LIFE ANALYSIS

The retirement rate (“actuarial”) analysis method was applied to all accounts for Shared Services. For each account, an actuarial analysis was made with placement and experience bands of varying width. The historical observed life table was plotted and compared with various Iowa Curves to obtain the most appropriate match. A selected curve for each account is shown in the Life Analysis Section of this report. The observed life tables for all analyzed placement and experience bands are provided in workpapers.

For the overall band (i.e., placement from earliest vintage year, which varied for each account, through 2022) for each account, various dispersion curves were plotted. Frequently, visual matching would confirm one specific dispersion pattern (i.e., L, S, or R) as a better match than others. The next step would be to determine the most appropriate life using that dispersion pattern. Then, after looking at the overall experience band, different experience bands were plotted and analyzed, for instance 1988-2022, 2003-2022, 2008-2022, etc. Next, placement bands of varying width were plotted with each experience band discussed above. Repeated matching usually pointed to a focus on one dispersion family and small range of service lives. The goal of visual matching was to minimize the differential between the observed life table and Iowa Curve in top- and mid-range of the plots. These results are used in conjunction with all other factors that may influence asset lives.

Due to the nature of the Shared Services Division and the allocation of costs among numerous entities and across various state regulatory jurisdictions, the study does not make a comparison of approved to proposed depreciation rates, due to timing differences and the possibility of changes from the various regulatory agencies approving rates. Instead, we will provide the proposed parameters for the current study (2022) in the account discussions below.

NET SALVAGE CONSIDERATIONS

When a capital asset is retired, physically removed from service and finally disposed of, terminal retirement is said to have occurred. The residual value of a terminal retirement is called gross salvage. Net salvage is the difference between the gross salvage (what the asset was sold for) and the removal cost (cost to remove and dispose of the asset).

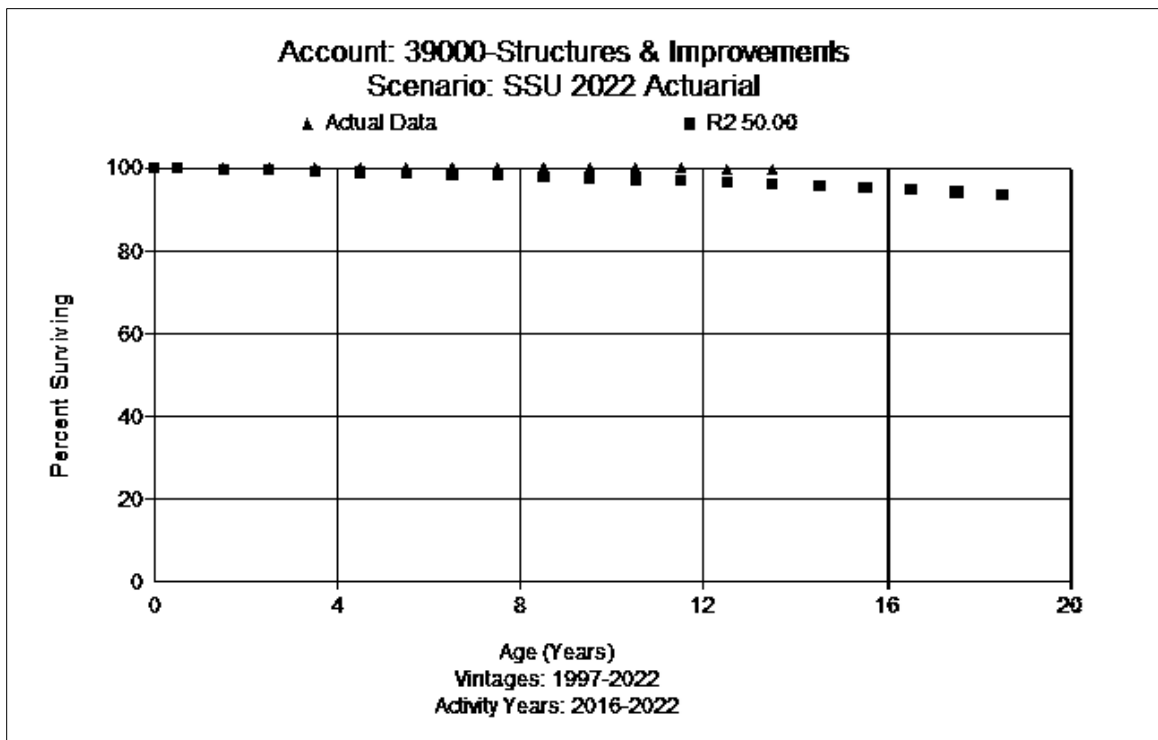
Net Salvage Characteristics

The net salvage analysis for each account is shown in Appendix D. Moving averages for intervals are also included in Appendix D. The assets of Shared Services generally do not incur cost of removal, and salvage has declined in recent years. In this study a zero percent net salvage is recommended for each account, with the exception of Account 392, Transportation Equipment.

Account Life and Net Salvage Analysis

Account 39000 – Structures & Improvements

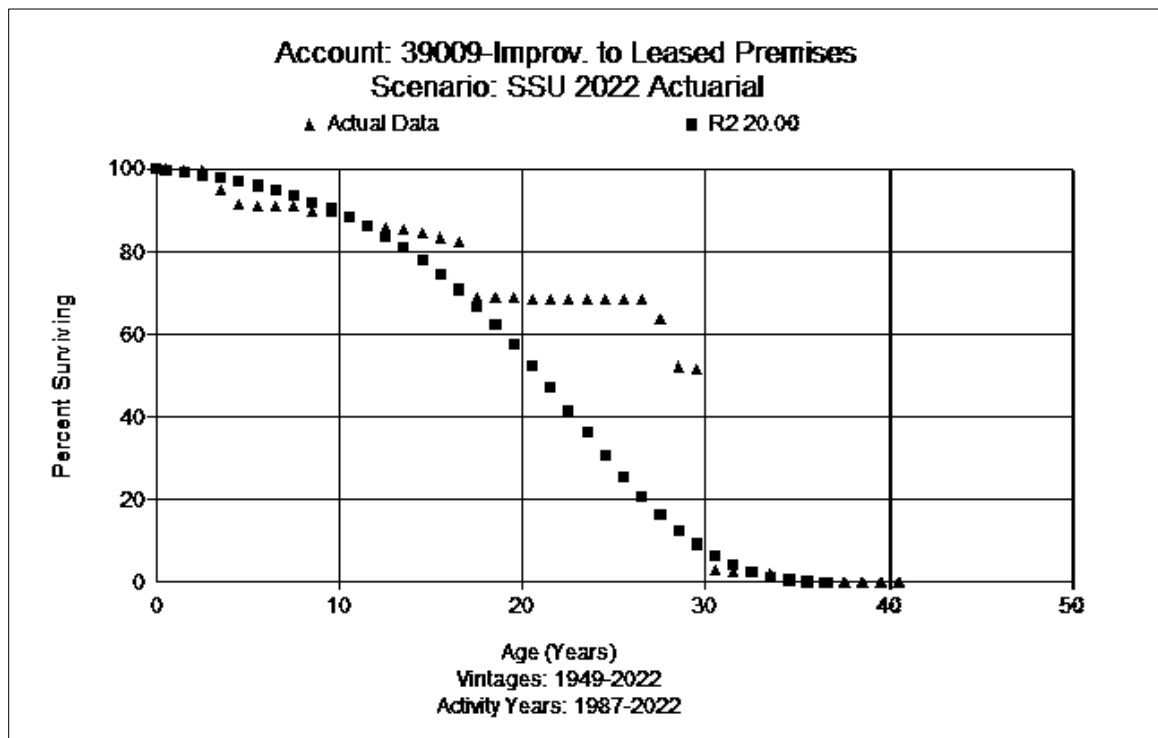
This account includes the cost of buildings and improvements including the Greenville operations center, the Charles K. Vaughn training center, and the call center in Waco. The account balance is approximately \$46.1 million. The current average age of investment is 9.83 years. There have been some retirements recorded, but they are in recent years. The current mix of assets is weighted to the longer-lived buildings. Based on judgment and type of assets, this study recommends a 50 year life with the R2 dispersion pattern. A graph of the observed life table and the recommended life and curve are shown below.



Little to no salvage is expected. Some cost of removal is expected at the end of life for some of the assets, but none has been recorded. Therefore, a zero percent net salvage is recommended at this time.

Account 39009 – Improvements to Leased Premises

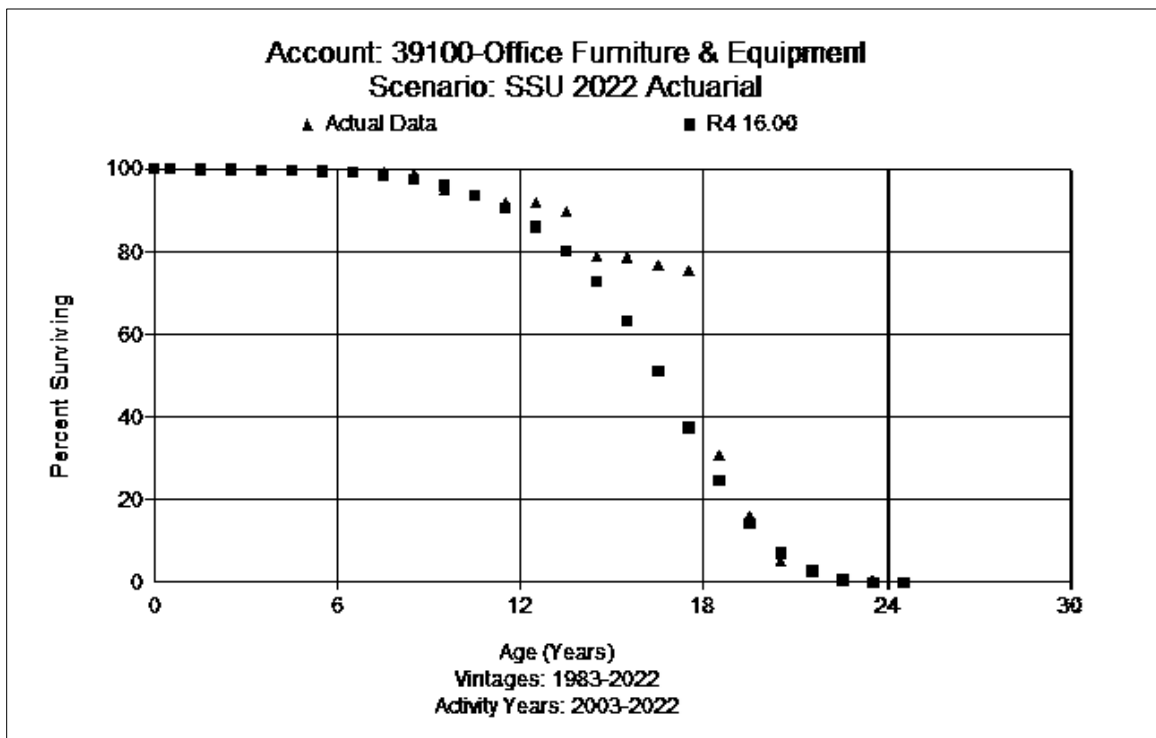
This account includes the cost of improvements to leased premises such as the Dallas office and call centers. The balance is approximately \$12.9 million. Assets in this account are tied to their lease term, which is 20 years with renewal options. This study recommends the 20 R2 at this time. A graph of the observed life table and the recommended life and curve are shown below.



No salvage or removal cost has been recorded and none is expected in the future. Therefore, a zero percent net salvage is recommended for this account.

Account 39100 – Office Furniture and Equipment

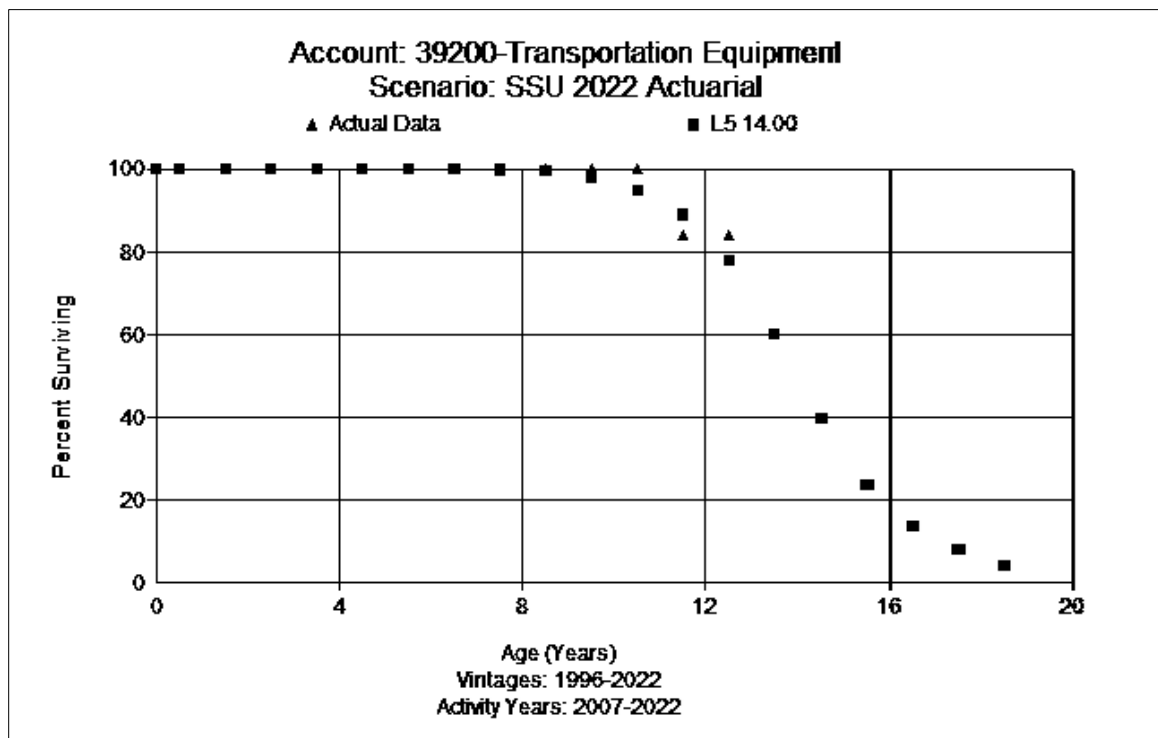
This account consists of modular furniture, desks, chairs, bookcases, credenzas, file cabinets, office machines, and other miscellaneous equipment located at the various locations. The balance is \$9.7 million. An expected life range for the assets in this account is 15 to 20 years or longer. The analysis indicates that the assets are experiencing a life of approximately 16-17 years and that the average age of retirements is 17.42 years. Approximately \$4.6 million has been retired between 2017 and 2022. Company personnel indicate that some offices were renovated and that more retirements have occurred than in the past. Based on the analysis and future expectations, this study recommends a 16 R4 dispersion pattern. A graph of the observed life table and the recommended life and curve are shown below.



There is no cost of removal, and no salvage has been recorded since 1997. No salvage is expected at retirement in the future. A zero percent net salvage rate is recommended for this account.

Account 39200 – Transportation Equipment

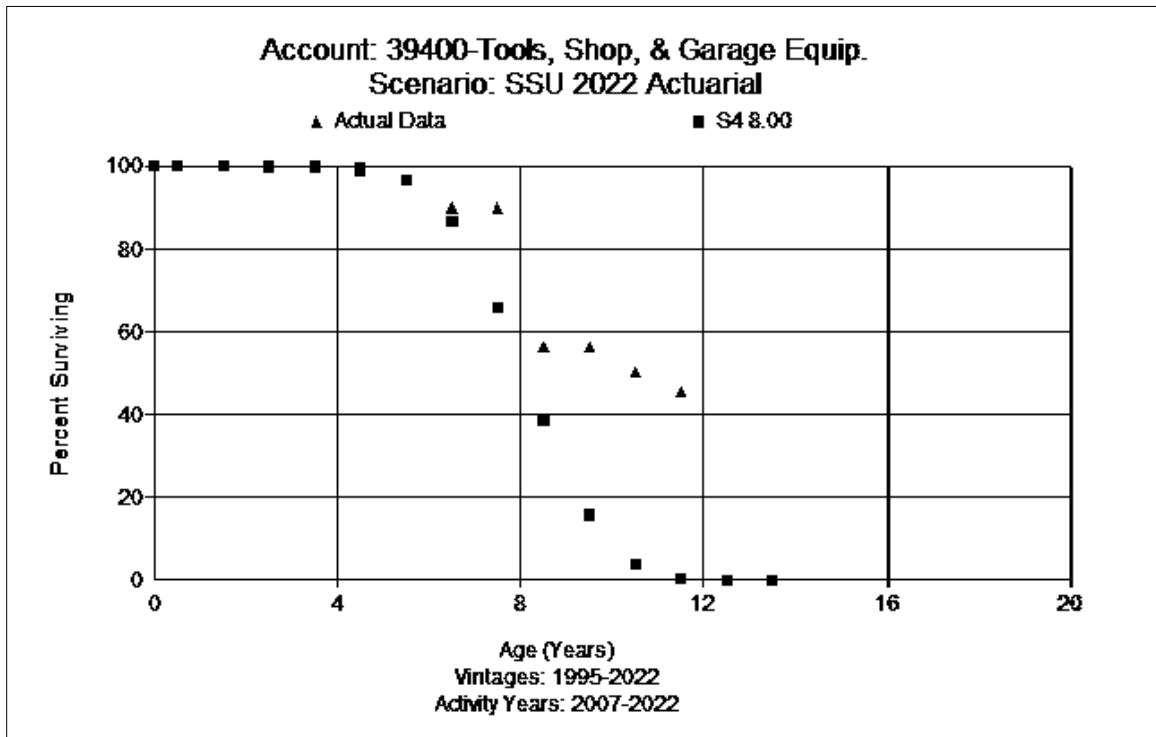
This account consists of all transportation equipment. The balance is \$412 thousand. Depending on the type and mix of assets, this account can range from 5-15 years. The current average age of investment is 4.97 years. Only one retirement has been recorded in 2007. The Company leases most of its vehicles and surviving assets are golf carts, a trailer, and other miscellaneous equipment. Based on the surviving assets, this study recommends a 14 L5. A graph of the observed life table and the recommended life and curve are shown below.



No cost of removal has been recorded and none is expected. There has been no salvage recorded over the 2007-2022 historical experience. However, some salvage is expected at end of life for some of the assets. This study recommends a positive 10 percent net salvage rate.

Account 39400 – Tools, Shop & Garage Equipment

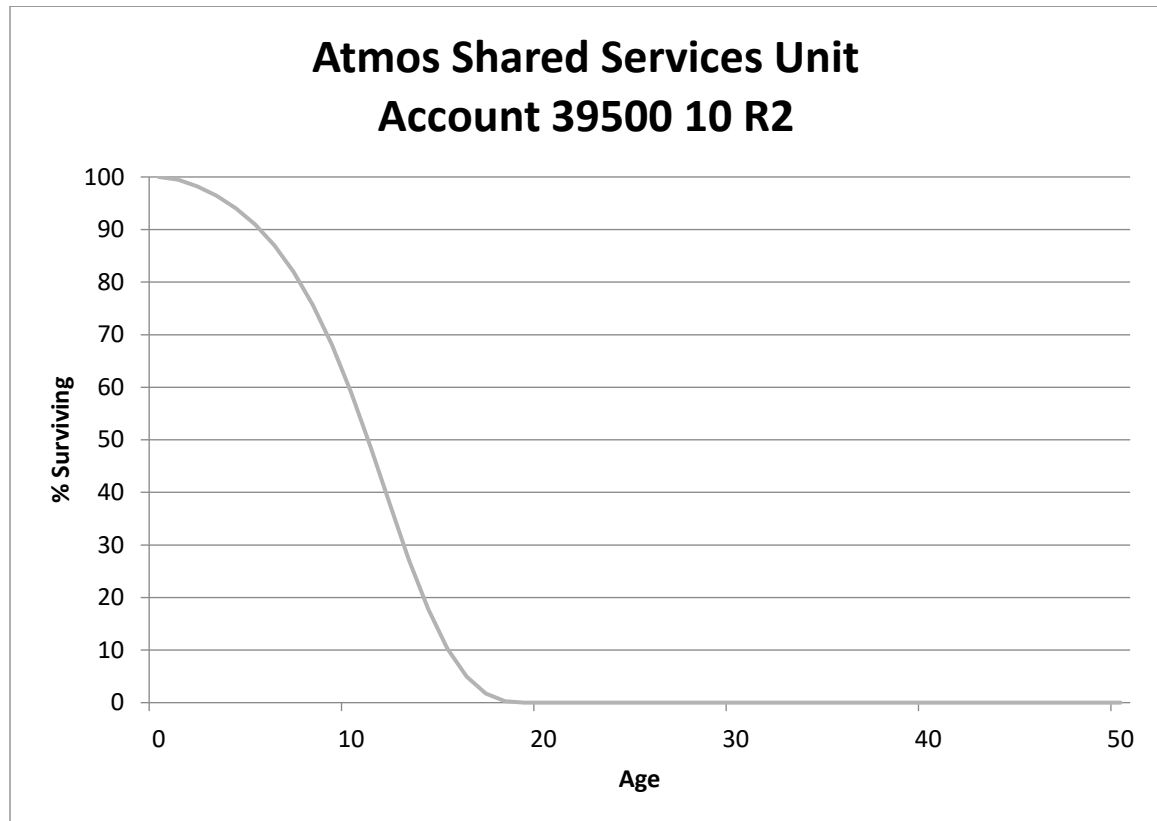
This account consists of various small tools and equipment used at the various locations. The balance is \$717 thousand in this account. The average age of investment is 4.26 years. The average age of retirement is 7.81 years. Based on the analysis, and the type and use of the assets, this study recommends the 8 S4 life and dispersion pattern. A graph of the observed life table and the recommended life and curve are shown below.



No salvage or cost of removal has been recorded over the analysis 2007-2022 historical experience. There is no cost of removal expected and minimal or no salvage expected at the time of retirement. This study recommends a zero percent net salvage rate for this account.

Account 39500 – Laboratory Equipment

This account consists of laboratory equipment. It currently has no balance. Based on the type and use of the assets, a 10 year life is recommended with an R2 dispersion curve if future additions are recorded. A representative graph of the life of the account is shown in the curve below.



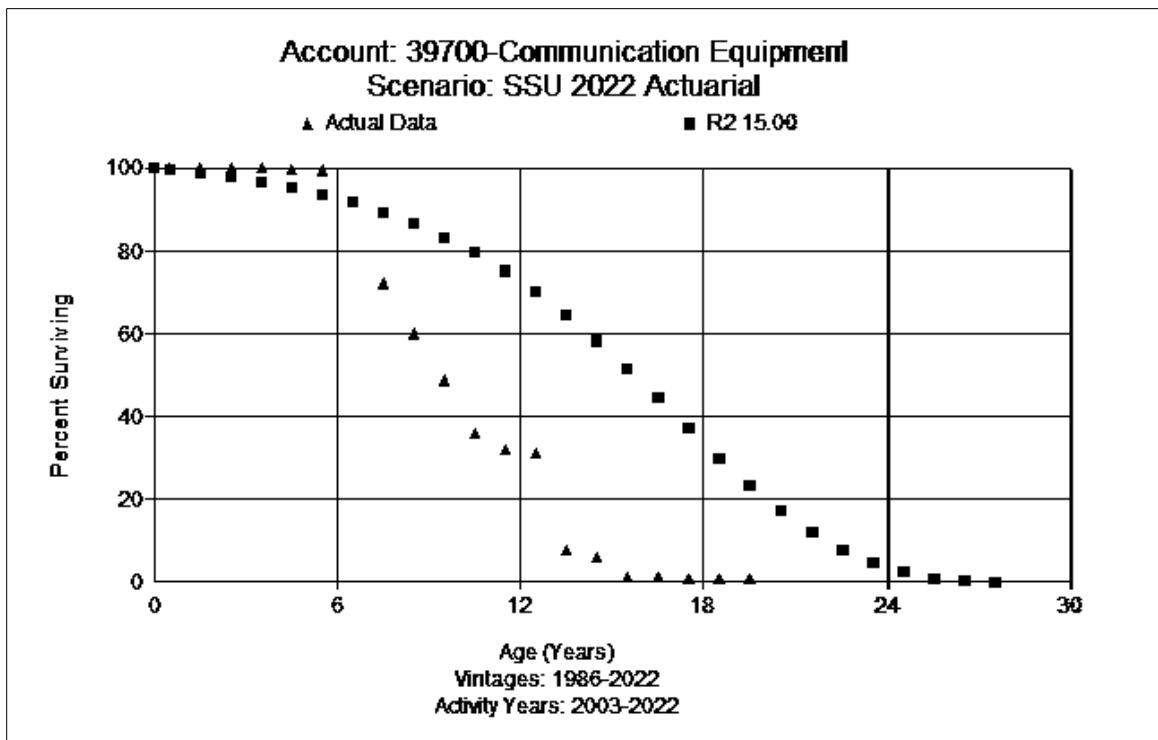
No salvage or cost of removal has been recorded and none is expected at time of retirement. This study recommends a zero percent net salvage rate for this account.

Account 39700 – Communications Equipment

The communications equipment account includes communication, computer hardware, telephone, and radio equipment used at the various locations. The balance is \$2.8 million in this account.

Discussions with Company personnel indicated that around 2009, there was a contact center built in Amarillo, at which the communication assets are still in service. Many of the assets in this account are PBX related assets. The average age of the assets is around 11.46 years old. The Company indicated that there is no specific plan to replace significant portions of the communications infrastructure at this point.

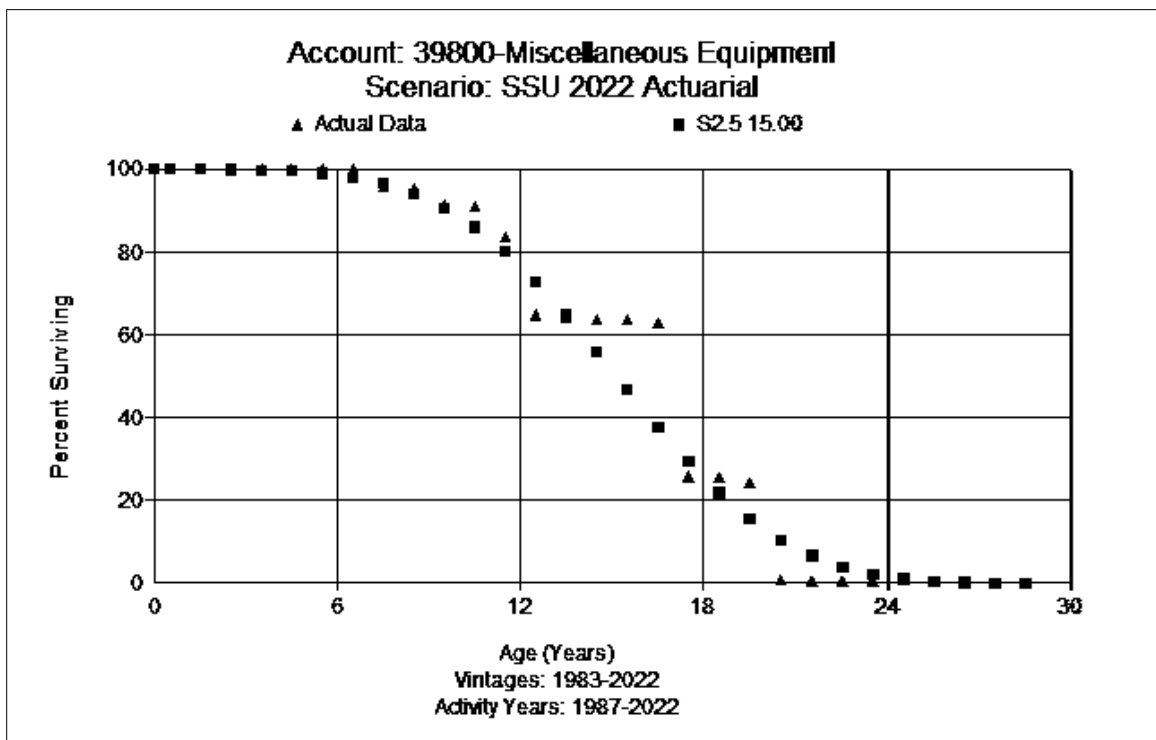
Based on the combined analysis, the best fits were indicating a life between 7-9 years, which is due to a large level of retirements in the last few years. The current average age of the assets is nearing 12 years. The shorter life indication in the analysis is not reflective of Company expectations for these assets. Based on the analysis, the type and mix of the assets, and Company plans and expectations, a 15 year life is more reasonable. This study recommends the 15 R2. A graph of the observed life table and the recommended life and curve are shown below.



Both salvage and cost of removal were recorded in 2004, but none since. No salvage is expected in the future at time of retirement. Little, if any, cost of removal is expected to be recorded for the assets. This study recommends a zero percent net salvage rate for this account.

Account 39800 - Miscellaneous Equipment

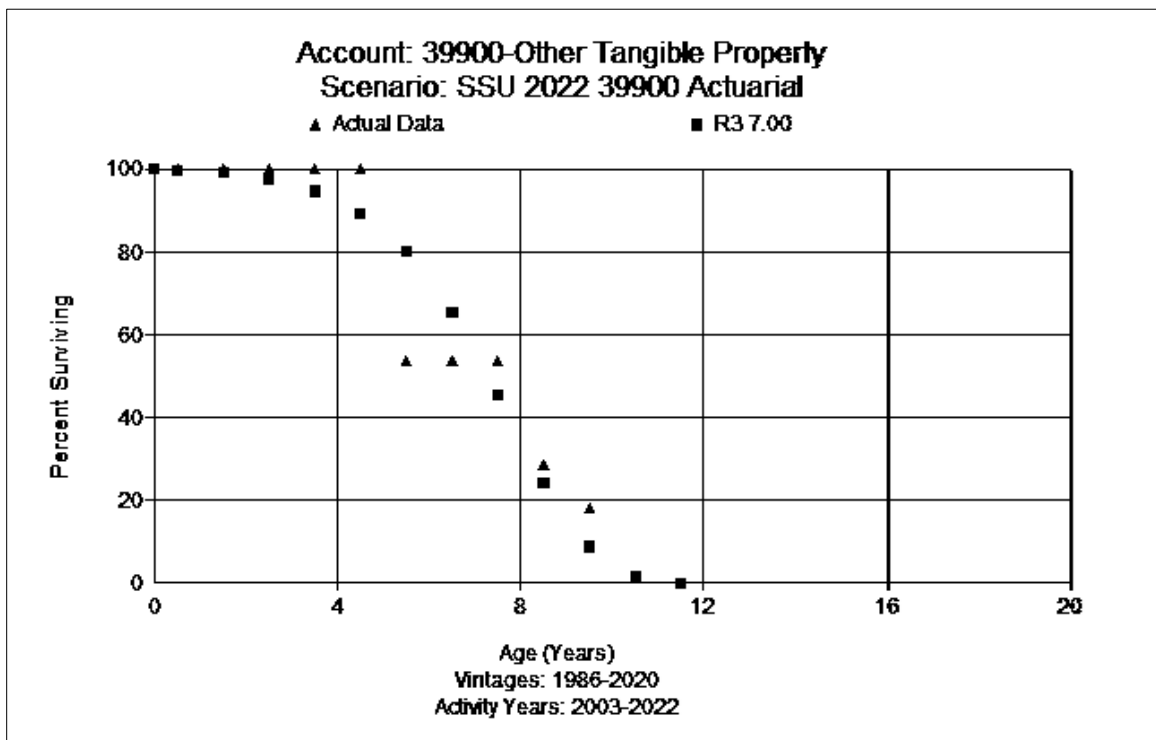
This account consists of various small office equipment items, such as kitchen appliances, televisions, and audio/video equipment that are not homogeneous with other plant accounts and are at the various locations. The balance is \$738 thousand. The current average age of investment is 8.67 years. The analysis shows the majority of the fits to indicate a life around 15 years with a low dispersion pattern. The 15 S2.5 is a good fit across the bands fit and is the study recommendation. A graph of the observed life table and the recommended life and curve are shown below.



No salvage or cost of removal has been recorded since 1996 and none is expected at the time of retirement. This study recommends a zero percent net salvage rate for this account.

Account 39900 – Other Tangible Property

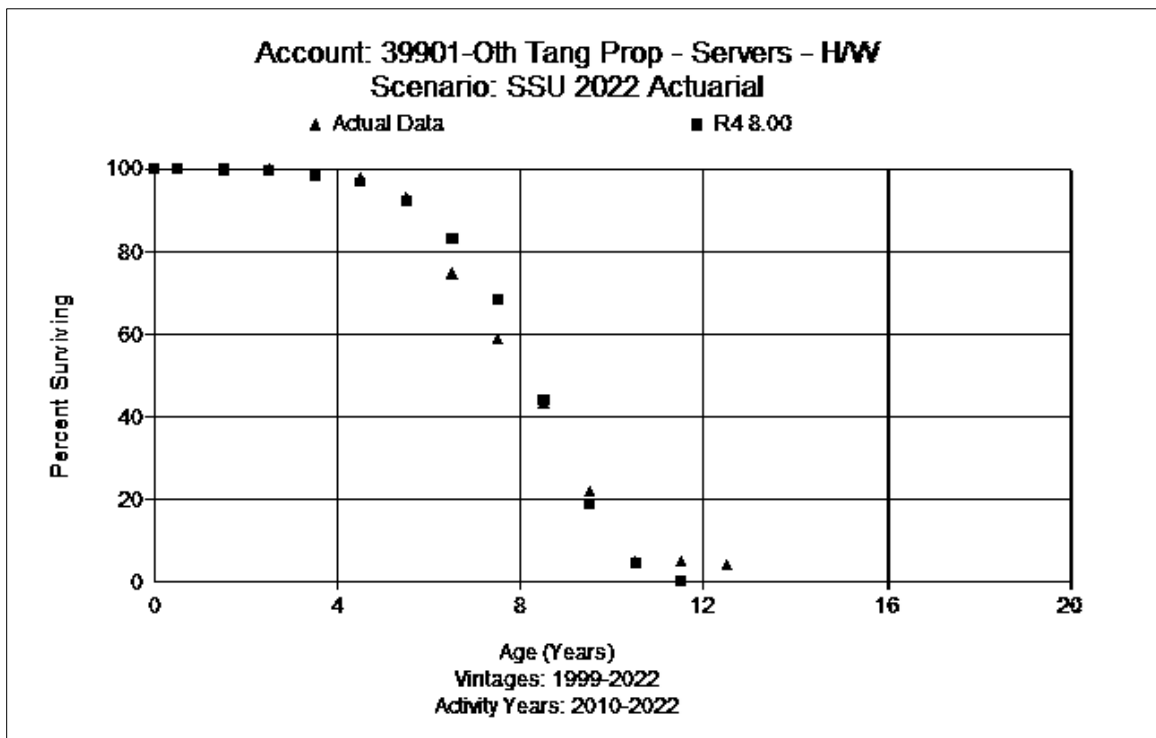
The other tangible property account holds miscellaneous equipment. The account balance is \$299 thousand. The average age of the investment is 5.36 years. The average age of retirement is 7.01 years. The majority of the fits indicate a 7 year life, which is consistent with the expectations for this account. The study recommends the 7 R3 for this account. A graph of the observed life table and the recommended life and curve are shown below.



There has been no salvage or cost of removal recorded and none is expected in the future. This study recommends a zero percent net salvage rate for this account.

Account 39901 – Servers Hardware

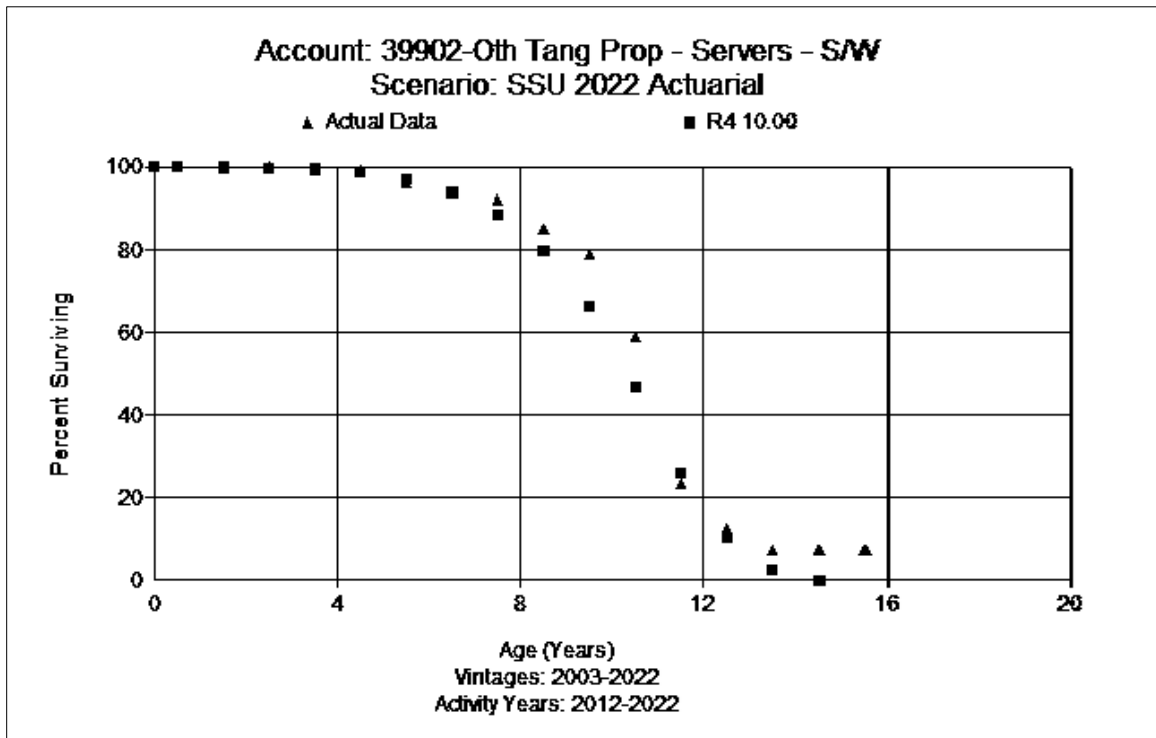
This account consists of assets such as server hardware and equipment used to serve the various locations. The balance is approximately \$50.0 million. The current average age of the surviving balance is 4.39 years and the average age at retirement is 8.61 years. Discussions with Company personnel indicated that the initial manufacturer warranty is for 8 years, but they generally purchase an extended warranty, which can carry them a few years longer. The servers running the SAP system are planned for replacement around 8 years on average and the UCS servers are about to be replaced, also at 8 years. The current life analysis indicates a good fit with the 8 R4. Based on the analysis and Company input, this study recommends an 8 R4. A graph of the observed life table and the recommended life and curve is shown below.



Very little salvage or cost of removal has been recorded and no salvage or cost of removal is expected. A zero percent net salvage rate is recommended.

Account 39902 – Servers Software

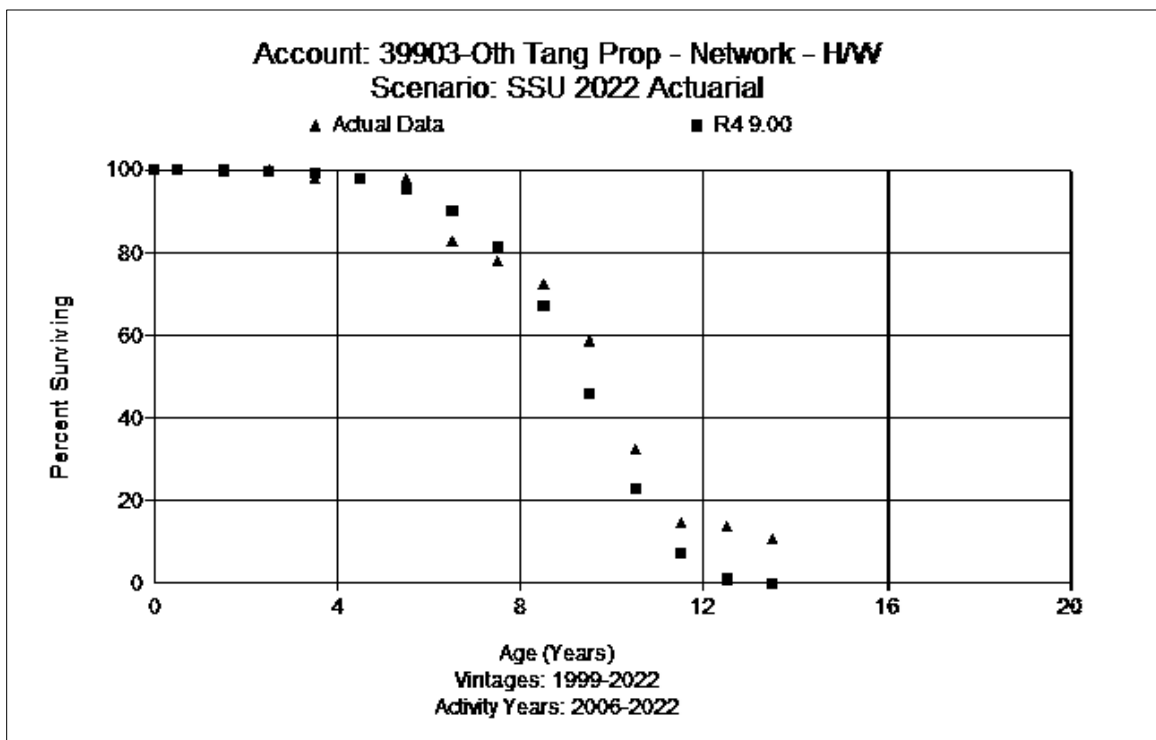
This account consists of assets such as Windows operating systems, Oracle, VMWare, Altiris, and other server software. The balance is \$15.0 million. The average age of investment is 6.52 years. The average age of retirements is 11.56 years. Discussions with Company personnel indicated that virtualization disconnects the software from the hardware to some degree and can extend the life of the software as compared to the hardware. There are some perpetual licenses within this category. They now buy software with maintenance. The life analysis provides a consistent 10 year life indication. Even though technology is a factor, a life around 10 years makes sense operationally. This study recommends a 10 year life with the R4 dispersion pattern. A graph of the observed life table and the recommended life and curve are shown below.



No salvage or cost of removal has been recorded and none is expected in the future. A zero percent net salvage rate is recommended for this account.

Account 39903 – Network Hardware

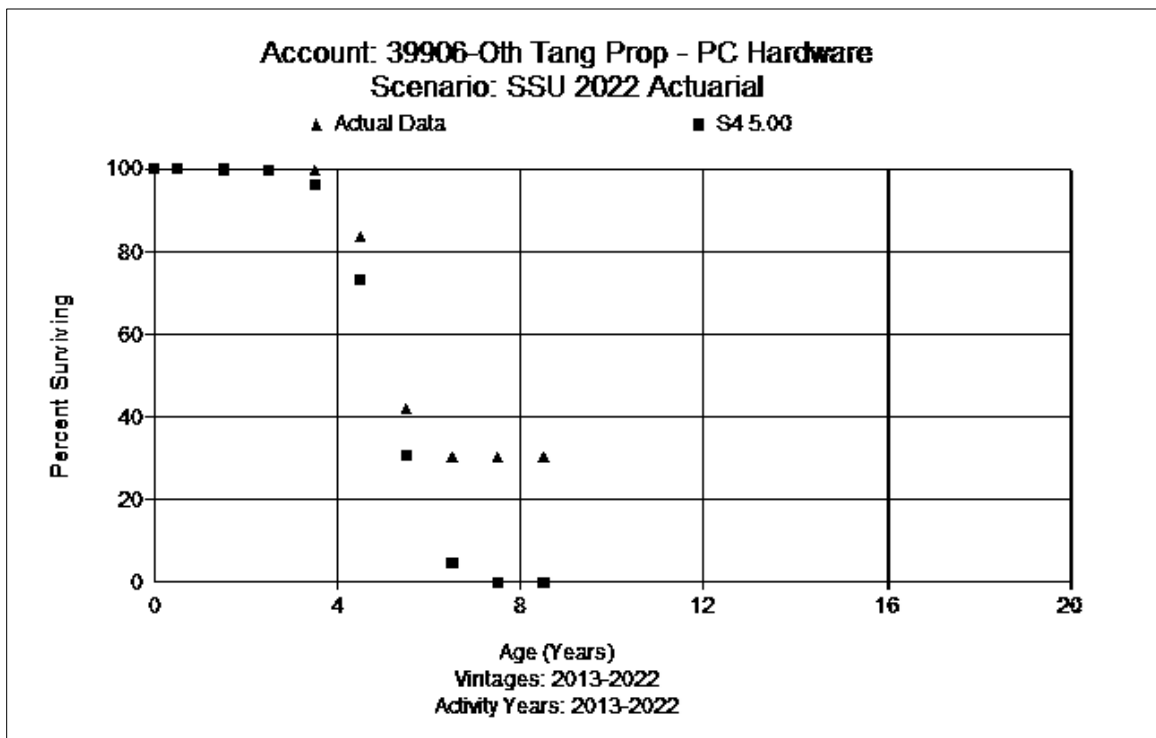
This account consists of assets related to networking activities such as routers, switches, and miscellaneous equipment. The balance is \$5.3 million. The average age of retirements is 9.42 years, and the average age of investment is 4.91 years. Discussions with Company personnel indicated that the 2009 investment was for the data center, which has been replaced at around 10 years of age. Operationally the Company believes a 9 year life is reasonable and is the general expectation. The analysis shows a steep dispersion pattern and fits that are consistent with Company expectations of 9 years. This study recommends the 9 R4, which is slightly longer than server hardware. A graph of the observed life table and the recommended life and curve are shown below.



Cost of removal was recorded in 2012, but none since. No salvage or cost of removal is expected in the future. A zero percent net salvage rate is recommended for this account.

Account 39906 – PC Hardware

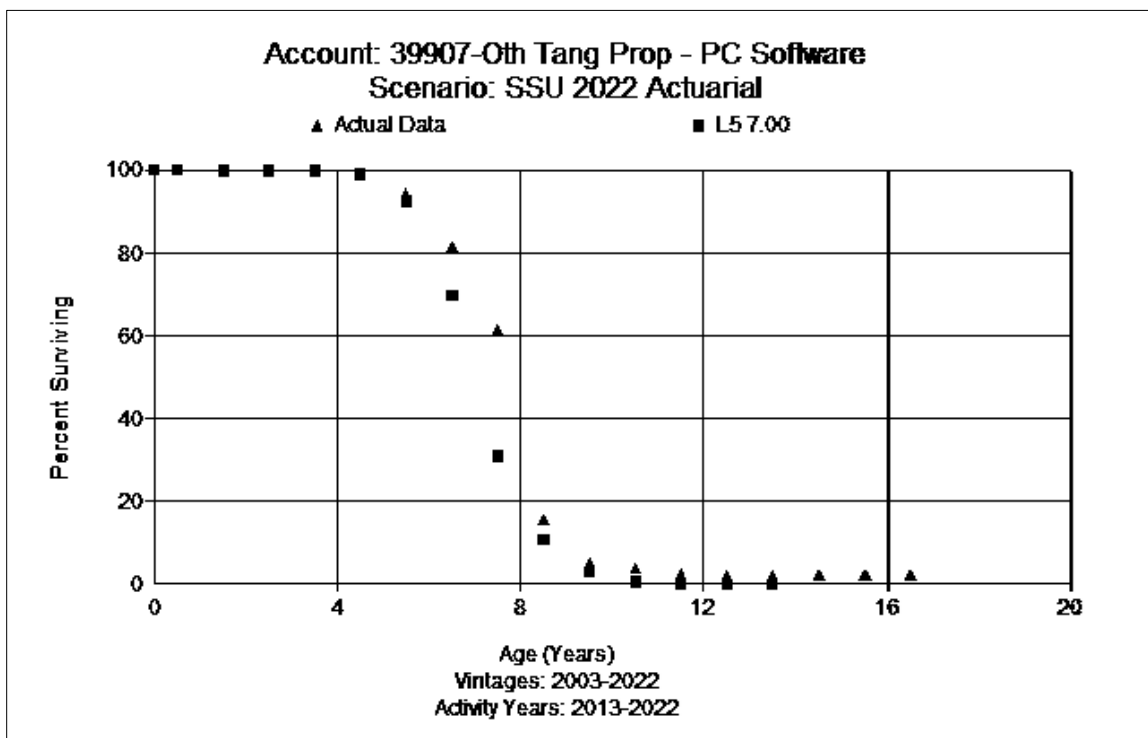
This account consists of costs for computer hardware, desktop and laptop computers, and peripherals. The balance is \$5.0 million. The average age of investment is 3.53 years and average age of retirements is 7.11 years. Discussions with Company personnel indicated that there has been no material change in the replacement policies or practices. The refresh cycle is 4 years, which can see delays in retiring some computers due to prep for retiring or being kept as a spare or in inventory. Peripherals may have a longer life. The life indications in the actuarial analysis suggest a life between 5-7 years, with the 5 years as a more recent indication. Based on the life analysis and Company input, this study recommends the 5 S4. A graph of the observed life table and the recommended life and curve are shown below.



Some minimal salvage and very limited cost of removal have been recorded. This study recommends a zero percent net salvage rate for this account.

Account 39907 – PC Software

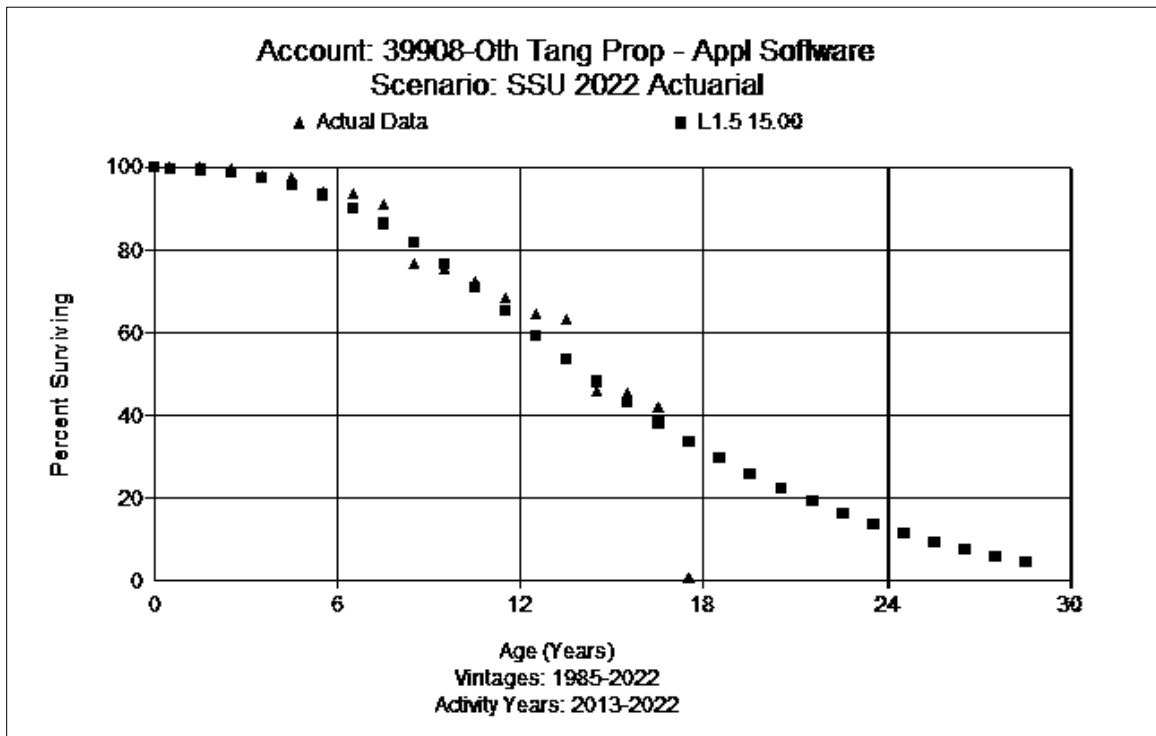
The PC software account consists of costs related to software assets and previously included operating system software. The balance is approximately \$91 thousand after proforma transfers. The average age of investment is 7.46 years and average age of retirements is 9.12 years. Discussions with Company personnel indicated that one of the main pieces of PC software is Microsoft Office 365, which has gone to subscription. There are several assets that have been transferred to Account 39906 PC Hardware and 39908 Application Software as a proforma adjustment in the study. Recent historical additional and retirements may not reflect the true lifespan. TOAD for Oracle is over half of the account and is still in use. The analysis indicates a life between 7-9 years. Based on the analysis, Company input, type of assets, and judgment, this study recommends the 7 L5 dispersion at this time. A graph of the observed life table and the recommended life and curve are shown below.



No salvage or cost of removal has been recorded and none is expected. This study recommends a zero percent net salvage rate for this account.

Account 39908 – Application Software

The application software account consists of costs related to large software assets including billing system software, electronic mapping and training software applications, Oracle upgrade, Banner, Data Mart System, PowerPlant System, Advantage System application, and the Waco Call Center IT build. The balance is \$242.3 million. The average age of the surviving assets is 8.40 years and average age of retirements is 19.14 years. Discussions with Company personnel indicated that their expectation for the major software platforms is that they can last 15 years or more. They will upgrade but not retire the original asset unless they move to a different platform. The analysis supports a life between 13 to 15 years. Based on all the information and judgment, this study recommends the 15 L1.5 dispersion for this account. A graph of the observed life table and the recommended life and curve are shown below.



No salvage has been recorded and none is expected at time of retirement. Some cost of removal was recorded in 2013 but none is expected in the future. This study recommends a zero percent net salvage rate for this account.

APPENDIX A - Annual Accrual and Rate

Appendix A

**Atmos Energy - Shared Services
At September 30, 2022
Depreciation Study Annual Depreciation Rates and Accruals**

Account	Description	Plant Balance 09/30/2022	Annual	
			Accrual Rate	Accrual Amount
(a)	(b)	(c)	(d)	(e)
39000	Structures & Improvements	\$ 46,093,940	2.38%	\$ 1,097,036
39009	Improvements - Leased	12,884,577	4.43%	570,787
39100	Office Furniture & Equipment	9,760,344	6.36%	620,758
39200	Transportation Equipment	411,688	6.59%	27,130
39400	Tools Shop And Garage	717,219	12.44%	89,222
39700	Communication Equipment	2,842,154	6.34%	180,193
39800	Miscellaneous Equipment	738,358	7.00%	51,685
39900	Other Tangible Equipment	299,459	14.24%	42,643
39901	Servers-Hardware	49,962,908	12.66%	6,325,304
39902	Servers-Software	15,012,653	10.10%	1,516,278
39903	Network Hardware	5,339,322	11.28%	602,276
39906	PC Hardware	5,015,652	19.93%	999,619
39907	PC Software	90,525	11.66%	10,555
39908	Application Software	242,323,348	6.93%	16,793,008
	Total Depreciable Plant	\$ 391,492,146	7.39%	\$ 28,926,494

APPENDIX B - Calculation of Accrual and Rates

Appendix B

Atmos Energy - Shared Services
At September 30, 2022
Calculation of Depreciation Annual Accrual and Rate
With Reserve Reallocation

Account	Description	Plant Balance	Allocated Book Reserve	Net Salvage %	Net Salvage Amount	Unaccrued Balance	Composite Remaining Life	Annual	
								Accrual Amount	Accrual Rate
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
39000 Structures & Improvements		\$ 46,093,940	\$ 10,012,300	0%	\$ -	\$ 36,081,640	32.83	\$ 1,098,991	2.38%
39009 Improvements - Leased		12,884,577	9,199,732	0%	-	3,684,845	6.46	570,785	4.43%
39100 Office Furniture & Equipment		9,760,344	5,965,482	0%	-	3,794,862	6.11	620,737	6.36%
39200 Transportation Equipment		411,688	125,431	10%	41,169	245,088	9.03	27,140	6.59%
39400 Tools Shop And Garage		717,219	477,203	0%	-	240,015	2.69	89,211	12.44%
39700 Communication Equipment		2,842,154	1,827,582	0%	-	1,014,572	5.63	180,122	6.34%
39800 Miscellaneous Equipment		738,358	408,363	0%	-	329,995	6.39	51,674	7.00%
39900 Other Tangible Equipment		299,459	205,675	0%	-	93,784	2.20	42,628	14.24%
39901 Servers-Hardware		49,962,908	24,465,692	0%	-	25,497,216	4.03	6,323,496	12.66%
39902 Servers-Software		15,012,653	8,763,896	0%	-	6,248,757	4.12	1,515,591	10.10%
39903 Network Hardware		5,339,322	2,543,324	0%	-	2,795,998	4.64	602,187	11.28%
39906 PC Hardware		5,015,652	3,084,461	0%	-	1,931,191	1.93	999,665	19.93%
39907 PC Software		90,525	80,092	0%	-	10,433	0.99	10,551	11.66%
39908 Application Software		242,323,348	121,159,499	0%	-	121,163,849	7.22	16,788,920	6.93%
Total Depreciable Plant		\$ 391,492,146	\$ 188,318,732		\$ 41,169	\$ 203,132,245		\$ 28,921,699	7.39%

APPENDIX C - Parameters

Appendix C

Atmos Energy - Shared Services Unit
Proposed Depreciation Parameters
Depreciation Study as of September 30, 2022

Division 002 - SSU General Office and Division 12 - SSU Customer Support

Account	Description	Proposed 2022				
		ASL	Curve	Gross Salvage	Cost of Removal	Net Salvage
39000	Structure & Improvements	50	R2	0%	0%	0%
39009	Improvements - Leased	20	R2	0%	0%	0%
39100	Office Furniture & Equipment	16	R4	0%	0%	0%
39200	Transportation Equipment	14	L5	10%	0%	10%
39400	Tools, Shop, & Garage Equipment	8	S4	0%	0%	0%
39500	Laboratory Equipment	10	R2	0%	0%	0%
39700	Communication Equipment	15	R2	0%	0%	0%
39800	Miscellaneous Equipment	15	S2.5	0%	0%	0%
39900	Other Tangible Equipment	7	R3	0%	0%	0%
39901	Servers-Hardware	8	R4	0%	0%	0%
39902	Servers-Software	10	R4	0%	0%	0%
39903	Network Hardware	9	R4	0%	0%	0%
39906	PC Hardware	5	S4	0%	0%	0%
39907	PC Software	7	L5	0%	0%	0%
39908	Application Software	15	L1.5	0%	0%	0%

APPENDIX D - Net Salvage Analysis

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2022
Net Salvage Analysis

Account and Description	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
39000-Structures & Improvements	2007	0.00	-	-	0	NA									
	39000 2008	0.00	-	-	0	NA	NA								
	39000 2009	0.00	-	-	0	NA	NA	NA							
	39000 2010	0.00	-	-	0	NA	NA	NA	NA						
	39000 2011	0.00	-	-	0	NA	NA	NA	NA	NA					
	39000 2012	0.00	-	-	0	NA	NA	NA	NA	NA	NA				
	39000 2013	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA			
	39000 2014	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA		
	39000 2015	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39000 2016	32,329.68	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39000 2017	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39000 2018	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39000 2019	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39000 2020	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39000 2021	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39000 2022	0.00	-	-	0	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
39000-Structures & Improvements	2007	0.00	-	-	0	NA									
	39005 2008	0.00	-	-	0	NA	NA								
	39005 2009	0.00	-	-	0	NA	NA	NA							
	39005 2010	0.00	-	-	0	NA	NA	NA	NA						
	39005 2011	0.00	-	-	0	NA	NA	NA	NA	NA					
	39005 2012	0.00	-	-	0	NA	NA	NA	NA	NA	NA				
	39005 2013	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA			
	39005 2014	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA		
	39005 2015	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39005 2016	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39005 2017	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39005 2018	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39005 2019	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39005 2020	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39005 2021	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39005 2022	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39009-Improv. to Leased Premises	2000	270,911.00	-	-	0	0.0%									
	39009 2001	0.00	-	-	0	NA	0.0%								
	39009 2002	0.00	-	-	0	NA	NA	0.0%							
	39009 2003	0.00	-	-	0	NA	NA	NA	0.0%						
	39009 2004	0.00	-	-	0	NA	NA	NA	NA	0.0%					
	39009 2005	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%				
	39009 2006	178,757.00	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%			

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2022
Net Salvage Analysis

Account and Description	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
	39009	2007	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	
	39009	2008	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	
	39009	2009	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2010	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2011	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2012	35,416.90	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2013	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2014	126,214.30	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2015	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2016	1,473,692.48	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2017	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2018	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2019	437,955.87	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2020	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2021	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39009	2022	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
39100-Office Furniture & Equipment		1993	83,992.00	200	-	200	0.2%								
	39100	1994	7,848.00	-	-	0	0.0%	0.2%							
	39100	1995	852.00	-	-	0	0.0%	0.0%	0.2%						
	39100	1996	92,361.00	-	-	0	0.0%	0.0%	0.0%	0.1%					
	39100	1997	0.00	-	(5,108)	5,108	NA	5.5%	5.5%	5.1%	2.9%				
	39100	1998	6,852.00	-	-	0	0.0%	74.5%	5.1%	5.1%	4.7%	2.77%			
	39100	1999	0.00	-	-	0	NA	0.0%	74.5%	5.1%	5.1%	4.73%	2.77%		
	39100	2000	0.00	-	-	0	NA	NA	0.0%	74.5%	5.1%	5.10%	4.73%	2.77%	
	39100	2001	0.00	-	-	0	NA	NA	NA	0.0%	74.5%	5.15%	5.10%	4.73%	2.77%
	39100	2002	0.00	-	-	0	NA	NA	NA	NA	0.0%	74.55%	5.15%	5.10%	4.73%
	39100	2003	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%	74.55%	5.15%	5.10%
	39100	2004	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%	74.55%	5.15%	5.10%
	39100	2005	0.00	-	-	0	NA	NA	NA	NA	NA	NA	0.00%	74.55%	5.15%
	39100	2006	1,420,965.00	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.36%
	39100	2007	75,094.25	0	0	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39100	2008	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39100	2009	225,893.25	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39100	2010	95,413.03	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39100	2011	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39100	2012	788,807.96	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39100	2013	1,602,991.05	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39100	2014	1,162.59	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39100	2015	358,929.73	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39100	2016	1,020,914.56	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39100	2017	4,530,386.30	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2022
Net Salvage Analysis

Account and Description		Activity	Retirement	Gross	Cost of	Net	Net	2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr
		Year		Salvage	Removal	Salvage	Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
	39100	2018	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2019	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2020	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2021	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2022	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
39100-Office Furniture & Equipment		2007	0.00	-	-	0	NA									
	39101	2008	0.00	-	-	0	NA	NA								
	39101	2009	0.00	-	-	0	NA	NA	NA							
	39101	2010	0.00	-	-	0	NA	NA	NA	NA						
	39101	2011	0.00	-	-	0	NA	NA	NA	NA	NA					
	39101	2012	0.00	-	-	0	NA	NA	NA	NA	NA	NA				
	39101	2013	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA			
	39101	2014	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA		
	39101	2015	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39101	2016	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39101	2017	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39101	2018	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39101	2019	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39101	2020	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39101	2021	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39101	2022	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39100-Office Furniture & Equipment		2007	0.00	-	-	0	NA								
39102		2008	0.00	-	-	0	NA	NA								
39102		2009	0.00	-	-	0	NA	NA	NA							
39102		2010	25,380.12	-	-	0	0.0%	0.0%	0.0%	0.0%						
39102		2011	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%					
39102		2012	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%				
39102		2013	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%			
39102		2014	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%		
39102		2015	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	
39102		2016	0.00	-	-	0	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
39102		2017	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%
39102		2018	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%
39102		2019	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00%
39102		2020	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39102		2021	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39102		2022	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

		Activity		Gross	Cost of	Net	Net	2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr
Account and Description	Year	Retirement	Salvage	Removal	Salvage	Salv. %	Net Salv.	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
39100-Office Furniture & Equipment	2007	387,811.54	-	-	0	0.0%										
	39103	2008	0.00	-	-	0	NA	0.0%								
	39103	2009	0.00	-	-	0	NA	NA	0.0%							
	39103	2010	48,493.05	-	-	0	0.0%	0.0%	0.0%	0.0%						
	39103	2011	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%					
	39103	2012	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%				
	39103	2013	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%			
	39103	2014	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%		
	39103	2015	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	
	39103	2016	0.00	-	-	0	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
	39103	2017	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%
	39103	2018	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%
	39103	2019	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00%
	39103	2020	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39103	2021	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39103	2022	47,938.52	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39104-G Office Furniture & Equipment	2010	0.00	-	-	0	NA										
	39104	2011	0.00	-	-	0	NA	NA								
	39104	2012	0.00	-	-	0	NA	NA	NA							
	39104	2013	0.00	-	-	0	NA	NA	NA	NA						
	39104	2014	0.00	-	-	0	NA	NA	NA	NA	NA					
	39104	2015	0.00	-	-	0	NA	NA	NA	NA	NA	NA				
	39104	2016	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA			
	39104	2017	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA		
	39104	2018	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39104	2019	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39104	2020	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39104	2021	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39104	2022	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39200-Transportation Equipment	2007	18,885.47	-	-	0	0.0%										
	39200	2008	0.00	-	-	0	NA	0.0%								
	39200	2009	0.00	-	-	0	NA	NA	0.0%							
	39200	2010	0.00	-	-	0	NA	NA	NA	0.0%						
	39200	2011	0.00	-	-	0	NA	NA	NA	NA	0.0%					
	39200	2012	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%				</

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2022
Net Salvage Analysis

Account and Description	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
	39200	2017	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39200	2018	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39200	2019	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39200	2020	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39200	2021	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39200	2022	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
39300-Stores Equipment		2007	0.00	-	-	0	NA								
	39300	2008	0.00	-	-	0	NA	NA							
	39300	2009	0.00	-	-	0	NA	NA	NA						
	39300	2010	0.00	-	-	0	NA	NA	NA	NA					
	39300	2011	0.00	-	-	0	NA	NA	NA	NA	NA				
	39300	2012	0.00	-	-	0	NA	NA	NA	NA	NA	NA			
	39300	2013	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA		
	39300	2014	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	
	39300	2015	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39300	2016	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39300	2017	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39300	2018	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39300	2019	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39300	2020	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39300	2021	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39300	2022	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
39400-Tools, Shop, & Garage Equip.		2007	7,682.72	-	-	0	0.0%								
	39400	2008	0.00	-	-	0	NA	0.0%							
	39400	2009	0.00	-	-	0	NA	NA	0.0%						
	39400	2010	0.00	-	-	0	NA	NA	NA	0.0%					
	39400	2011	0.00	-	-	0	NA	NA	NA	NA	0.0%				
	39400	2012	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%			
	39400	2013	0.00	-	-	0	NA	NA	NA	NA	NA	NA	0.00%		
	39400	2014	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%	
	39400	2015	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	0.00%
	39400	2016	27.50	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39400	2017	123,339.96	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39400	2018	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39400	2019	0.00	-	-	0	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39400	2020	20,120.34	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39400	2021	8,616.01	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39400	2022	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2022
Net Salvage Analysis

Account and Description	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
39500-Laboratory Equipment	2007	0.00	-	-	0	NA									
	39500 2008	0.00	-	-	0	NA	NA								
	39500 2009	0.00	-	-	0	NA	NA	NA							
	39500 2010	0.00	-	-	0	NA	NA	NA	NA						
	39500 2011	0.00	-	-	0	NA	NA	NA	NA	NA					
	39500 2012	0.00	-	-	0	NA	NA	NA	NA	NA	NA				
	39500 2013	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA			
	39500 2014	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA		
	39500 2015	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39500 2016	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39500 2017	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39500 2018	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39500 2019	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39500 2020	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39500 2021	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39500 2022	23,632.07	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39700-Communication Equipment	1993	8,091.00	-	-	0	0.0%									
	39700 1994	0.00	-	-	0	NA	0.0%								
	39700 1995	0.00	-	-	0	NA	NA	0.0%							
	39700 1996	0.00	-	-	0	NA	NA	NA	0.0%						
	39700 1997	0.00	-	-	0	NA	NA	NA	NA	0.0%					
	39700 1998	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%				
	39700 1999	0.00	-	-	0	NA	NA	NA	NA	NA	NA	0.00%			
	39700 2000	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%		
	39700 2001	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	0.00%	
	39700 2002	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00%
	39700 2003	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39700 2004	34,015.00	26,609	3,107	23,502	69.1%	69.1%	69.1%	69.1%	69.1%	69.09%	69.09%	69.09%	69.09%	69.09%
	39700 2005	0.00	-	-	0	NA	69.1%	69.1%	69.1%	69.1%	69.09%	69.09%	69.09%	69.09%	69.09%
	39700 2006	792,568.00	-	-	0	0.0%	0.0%	2.8%	2.8%	2.8%	2.84%	2.84%	2.84%	2.84%	2.84%
	39700 2007	0.00	-	-	0	NA	0.0%	0.0%	2.8%	2.8%	2.84%	2.84%	2.84%	2.84%	2.84%
	39700 2008	16,529.96	-	-	0	0.0%	0.0%	0.0%	0.0%	2.8%	2.79%	2.79%	2.79%	2.79%	2.79%
	39700 2009	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	2.79%	2.79%	2.79%	2.79%	2.79%
	39700 2010	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	2.79%	2.79%	2.79%	2.79%
	39700 2011	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	2.79%	2.79%	2.79%
	39700 2012	24,247,439.73	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.09%	0.09%
	39700 2013	118,855.67	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.09%
	39700 2014	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39700 2015	34,412.20	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39700 2016	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%

Account and Description		Activity	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr
		Year						Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %		
	39700	2017	1,440,195.73	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39700	2018	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39700	2019	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39700	2020	664,148.96	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39700	2021	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39700	2022	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39800-Miscellaneous Equipment		1996	149,090.00	9,000	-	9,000	6.0%									
	39800	1997	0.00	-	-	0	NA	6.0%								
	39800	1998	0.00	-	-	0	NA	NA	6.0%							
	39800	1999	0.00	-	-	0	NA	NA	NA	6.0%						
	39800	2000	0.00	-	-	0	NA	NA	NA	NA	6.0%					
	39800	2001	0.00	-	-	0	NA	NA	NA	NA	NA	6.04%				
	39800	2002	0.00	-	-	0	NA	NA	NA	NA	NA	NA	6.04%			
	39800	2003	56,637.00	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	4.37%		
	39800	2004	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	4.37%	
	39800	2005	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	4.37%
	39800	2006	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2007	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2008	419,274.36	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2009	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2010	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2011	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2012	25,971.27	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2013	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2014	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2015	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2016	190,238.12	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2017	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2018	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2019	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2020	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2021	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2022	36,386.96	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39800-Miscellaneous Equipment		2007	0.00	-	-	0	NA									
	39809	2008	0.00	-	-	0	NA	NA								
	39809	2009	0.00	-	-	0	NA	NA	NA							
	39809	2010	0.00	-	-	0	NA	NA	NA	NA						
	39809	2011	0.00	-	-	0	NA	NA	NA	NA	NA					
	39809	2012	0.00	-	-	0	NA	NA	NA	NA	NA	NA				

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2022
Net Salvage Analysis

Account and Description	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
	39809	2013	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA		
	39809	2014	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA		
	39809	2015	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	
	39809	2016	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39809	2017	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39809	2018	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39809	2019	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39809	2020	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39809	2021	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39809	2022	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
39900-Other Tangible Property	1994	219,471.00	-	-	0	0.0%									
39910-CKV-Other Tangible Property	1995	0.00	-	-	0	NA	0.0%								
39918-CKV-Other Tangible Property	1996	0.00	-	-	0	NA	NA	0.0%							
39924-Other Tangible Property General	1997	0.00	-	-	0	NA	NA	NA	0.0%						
	39900	1998	0.00	-	-	0	NA	NA	NA	0.0%					
	39900	1999	0.00	-	-	0	NA	NA	NA	NA	0.00%				
	39900	2000	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%			
	39900	2001	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%			
	39900	2002	8,143.00	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39900	2003	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900	2004	0.00	-	-	0	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900	2005	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39900	2006	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%
	39900	2007	0.00	-	-	0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39900	2008	224,866.15	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900	2009	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900	2010	0.00	-	-	0	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900	2011	0.00	-	-	0	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900	2011	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%
	39900	2012	0.00	-	-	0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39900	2013	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
	39900	2014	0.00	-	-	0	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%
	39900	2015	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%
	39900	2016	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	0.00%
	39900	2017	0.00	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39900	2018	629,166.46	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900	2019	162,267.97	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900	2020	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900	2021	0.00	-	-	0	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900	2022	1,651.55	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2022
Net Salvage Analysis

Account and Description	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
39921-OthTang Prop-Servers-H/W-AEAM															
39901-Oth Tang Prop - Servers - H/W	2007	0.00	-	-	0	NA									
	39901 2008	0.00	-	-	0	NA	NA								
	39901 2009	0.00	-	-	0	NA	NA	NA							
	39901 2010	0.00	-	-	0	NA	NA	NA	NA						
	39901 2011	0.00	-	-	0	NA	NA	NA	NA	NA					
	39901 2012	10,873,204.70	-	(129)	129	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%				
	39901 2013	3,585,983.60	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%			
	39901 2014	452,050.30	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%		
	39901 2015	8,526,616.39	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39901 2016	458,170.94	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39901 2017	1,469,953.03	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39901 2018	18,837,035.72	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39901 2019	106,175.33	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39901 2020	7,303,174.25	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39901 2021	67,314.03	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39901 2022	1,478,152.02	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39922-OthTang Prop-Servers-S/W-AEAM															
39902-Oth Tang Prop - Servers - S/W	2007	0.00	-	-	0	NA									
	39902 2008	0.00	-	-	0	NA	NA								
	39902 2009	0.00	-	-	0	NA	NA	NA							
	39902 2010	0.00	-	-	0	NA	NA	NA	NA						
	39902 2011	0.00	-	-	0	NA	NA	NA	NA	NA					
	39902 2012	6,624,795.54	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%				
	39902 2013	1,467,367.65	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%			
	39902 2014	497,701.44	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%		
	39902 2015	226,110.26	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39902 2016	163,043.25	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39902 2017	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39902 2018	991,615.69	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39902 2019	10,688,603.52	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39902 2020	675,486.81	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39902 2021	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39902 2022	1,110,279.74	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2022
Net Salvage Analysis

Account and Description	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
39923-OthTang Prop-Network-H/W-AEAM															
39903-Oth Tang Prop - Network - H/W	2006	11,472.00	-	-	0	0.0%									
	39903 2007	0.00	-	-	0	NA	0.0%								
	39903 2008	0.00	-	-	0	NA	NA	0.0%							
	39903 2009	0.00	-	-	0	NA	NA	NA	0.0%						
	39903 2010	0.00	-	-	0	NA	NA	NA	NA	0.0%					
	39903 2011	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%				
	39903 2012	886,043.63	-	1,278	(1,278)	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.14%	-0.14%			
	39903 2013	110,058.63	-	-	0	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.13%	-0.13%	-0.13%		
	39903 2014	237,149.12	-	-	0	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.10%	-0.10%	-0.10%	-0.10%	
	39903 2015	1,348,505.07	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	-0.05%	-0.05%	-0.05%	-0.05%	-0.05%
	39903 2016	33,700.31	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	-0.05%	-0.05%	-0.05%	-0.05%	-0.05%
	39903 2017	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	-0.05%	-0.05%	-0.05%	-0.05%	-0.05%
	39903 2018	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	-0.05%	-0.05%	-0.05%	-0.05%
	39903 2019	154,713.05	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	-0.05%	-0.05%	-0.05%
	39903 2020	2,698,241.83	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	-0.02%	-0.02%
	39903 2021	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	-0.02%
	39903 2022	51,006.75	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39916-CKV-Oth Tang Prop-PC Hardware															
39906-Oth Tang Prop - PC Hardware	1994	97,832.00	-	-	0	0.0%									
	39906 1995	0.00	-	-	0	NA	0.0%								
	39906 1996	116,913.00	-	-	0	0.0%	0.0%	0.0%							
	39906 1997	0.00	-	-	0	NA	0.0%	0.0%	0.0%						
	39906 1998	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%					
	39906 1999	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%				
	39906 2000	2,832.00	3,000	45	2,955	104.3%	104.3%	104.3%	104.3%	2.5%	2.47%	1.36%			
	39906 2001	0.00	-	-	0	NA	104.3%	104.3%	104.3%	104.3%	2.47%	2.47%	1.36%		
	39906 2002	6,189,732.00	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.05%	0.05%	0.05%	0.05%	
	39906 2003	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.05%	0.05%	0.05%	0.05%	0.05%
	39906 2004	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.05%	0.05%	0.05%	0.05%	0.05%
	39906 2005	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.05%	0.05%	0.05%	0.05%	0.05%
	39906 2006	2,632,955.00	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.03%	0.03%	0.03%	0.03%
	39906 2007	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.03%	0.03%	0.03%
	39906 2008	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.03%	0.03%
	39906 2009	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.03%
	39906 2010	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39906 2011	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39906 2011	2,825,516.07	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39906 2012	4,649,967.16	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2022
Net Salvage Analysis

Account and Description	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
	39906	2013	217,743.76	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39906	2014	162,561.94	250	-	250	0.2%	0.1%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39906	2015	1,660,308.12	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39906	2016	696,097.17	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39906	2017	18,020.39	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39906	2018	1,537,084.51	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.01%	0.00%	0.00%	0.00%
	39906	2019	148,508.48	3,272	-	3,272	2.2%	0.2%	0.2%	0.1%	0.1%	0.08%	0.08%	0.04%	0.03%
	39906	2020	963,667.27	-	-	0	0.0%	0.3%	0.1%	0.1%	0.1%	0.07%	0.07%	0.07%	0.03%
	39906	2021	0.00	-	-	0	NA	0.0%	0.3%	0.1%	0.1%	0.10%	0.07%	0.07%	0.04%
	39906	2022	0.00	-	-	0	NA	NA	0.0%	0.3%	0.1%	0.12%	0.10%	0.07%	0.07%
39917-CKV-Oth Tang Prop-PC Software															
39907-Oth Tang Prop - PC Software	1994	38,759.00	-	-	0	0.0%									
	39907	1995	0.00	-	-	0	NA	0.0%							
	39907	1996	0.00	-	-	0	NA	NA	0.0%						
	39907	1997	0.00	-	-	0	NA	NA	NA	0.0%					
	39907	1998	0.00	-	-	0	NA	NA	NA	NA	0.0%				
	39907	1999	0.00	-	-	0	NA	NA	NA	NA	0.00%				
	39907	2000	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%			
	39907	2001	0.00	-	-	0	NA	NA	NA	NA	NA	NA	0.00%		
	39907	2002	861,539.00	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2003	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2004	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2005	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2006	16,495.00	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2007	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2008	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2009	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2010	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2011	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
	39907	2011	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
	39907	2012	2,918,743.00	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2013	366,151.43	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2014	599,561.35	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2015	864,237.58	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2016	143,270.73	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2017	132,181.39	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2018	192,229.23	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2019	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2020	325,856.38	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2021	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39907	2022	3,261.74	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2022
Net Salvage Analysis

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39928-Oth Tang Prop-Appl SW-AEAM															
39908-Oth Tang Prop - Appl Software	1995	5,256.00	-	-	0	0.0%									
	39908 1996	0.00	-	-	0	NA	0.0%								
	39908 1997	0.00	-	-	0	NA	NA	0.0%							
	39908 1998	0.00	-	-	0	NA	NA	NA	0.0%						
	39908 1999	0.00	-	-	0	NA	NA	NA	NA	0.0%					
	39908 2000	8,032,596.00	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%				
	39908 2001	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%			
	39908 2002	9,573,067.00	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%		
	39908 2003	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39908 2004	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2005	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2006	731,136.00	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2007	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2008	0.00	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2009	0.00	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2010	0.00	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2011	0.00	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2011	0.00	-	-	0	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
	39908 2012	2,603,072.12	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2013	60,097,599.00	-	206	(206)	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2014	-68,544.72	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2015	4,526,869.43	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2016	53,544,165.22	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2017	4,718,848.37	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2018	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2019	3,612,552.62	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2020	3,254,702.42	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2021	0.00	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2022	643,414.10	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%

Exhibit NWA-4

**ATMOS ENERGY CORPORATION
TENNESSEE DIRECT PROPERTY**

**COMPARISON OF EXISTING AND PROPOSED
ANNUAL DEPRECIATION ACCRUAL RATES AND ACCRUALS AS OF SEPTEMBER 30, 2022**

ACCOUNT		ORIGINAL COST	BOOK DEPRECIATION RESERVE	EXISTING ESTIMATES			PROPOSED ESTIMATES				INCREASE/ (DECREASE) (12) = (10) - (6)	
				SURVIVOR CURVE	NET	CALCULATED	SURVIVOR CURVE	NET	CALCULATED			
					SALVAGE PERCENT	ANNUAL ACCRUAL AMOUNT		RATE	SALVAGE PERCENT	ANNUAL ACCRUAL AMOUNT		RATE
(1)		(2)	(3)	(4)	(5)	(6)=(2)×(7)	(7)	(8)	(9)	(10)	(11)	
TRANSMISSION PLANT												
365.20	RIGHTS OF WAY	348,971.01	97,151	70 - R5	0	5,304	1.52	70 - R4	0	5,269	1.51	(35)
366.00	STRUCTURES AND IMPROVEMENTS	2,679.36	2,015	30 - SQ	0	116	4.34	30 - R3	0	72	2.69	(44)
367.00	MAINS - CATHODIC PROTECTION	91,687.07	35,352	25 - SQ	0	3,741	4.08	25 - R4	0	3,781	4.12	40
367.01	MAINS - STEEL	11,734,620.93	6,297,983	60 - R4	(9)	278,111	2.37	60 - R3	(10)	291,246	2.48	13,135
369.00	MEASURING AND REGULATING STATION EQUIPMENT	1,690,856.41	1,476,675	40 - R4	(4)	72,369	4.28	45 - R3	(5)	21,024	1.24	(51,345)
TOTAL TRANSMISSION PLANT		13,868,814.78	7,909,176			359,641	2.59			321,392	2.32	(38,249)
DISTRIBUTION PLANT												
374.02	LAND RIGHTS	5,167,860.80	462,594	70 - R5	0	70,800	1.37	70 - R4	0	73,225	1.42	2,425
375.00	STRUCTURES AND IMPROVEMENTS	344,535.28	63,123	45 - R5	0	7,201	2.09	45 - R4	0	7,685	2.23	484
376.00	MAINS - CATHODIC PROTECTION	1,938,058.92	615,129	25 - SQ	0	74,809	3.86	25 - R4	0	65,338	3.37	(9,471)
376.01	MAINS - STEEL	120,220,043.86	31,814,342	60 - R4	(23)	2,308,225	1.92	70 - R3	(40)	2,365,040	1.97	56,815
376.02	MAINS - PLASTIC	307,453,800.79	97,768,807	60 - R4	(23)	5,872,368	1.91	70 - R4	(40)	5,928,603	1.93	56,235
376.03	MAINS - ANODES	1,314,524.47	529,272	20 - SQ	0	65,726	5.00	20 - SQ	0	65,755	5.00	29
376.04	MAINS - LEAK CLAMPS	3,732,997.91	2,523,276	20 - SQ	0	186,650	5.00	20 - SQ	0	186,788	5.00	138
378.00	MEASURING AND REGULATING STATION EQUIPMENT	25,036,674.89	6,302,858	40 - R4	(4)	578,347	2.31	45 - R3	(25)	722,347	2.89	144,000
379.00	MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE	16,507,221.28	1,848,479	45 - R4	(4)	351,604	2.13	45 - R3	(5)	406,865	2.46	55,261
380.00	SERVICES	174,194,279.37	43,159,631	53 - R3	(5)	3,222,594	1.85	50 - R1.5	(10)	3,921,642	2.25	699,048
381.00	METERS	52,101,971.80	13,054,519	30 - S1.5	(8)	1,755,836	3.37	30 - R2	(5)	1,705,180	3.27	(50,656)
382.00	METER INSTALLATIONS	32,818,992.48	18,370,423	43 - R3	(41)	1,007,543	3.07	35 - R3	(25)	1,132,328	3.45	124,785
383.00	HOUSE REGULATORS	11,368,907.97	3,527,516	33 - R5	(3)	310,371	2.73	35 - R3	(10)	326,955	2.88	16,584
385.00	INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT	774,922.61	255,925	40 - R4	(4)	19,373	2.50	40 - R3	0	17,587	2.27	(1,786)
TOTAL DISTRIBUTION PLANT		752,974,792.43	220,295,894			15,831,447	2.10			16,925,338	2.25	1,093,891
GENERAL PLANT												
390.00	STRUCTURES AND IMPROVEMENTS	7,911,345.72	3,797,330	40 - R3	0	204,904	2.59	35 - R3	10	109,129	1.38	(95,775)
390.09	STRUCTURES AND IMPROVEMENTS - IMPROVEMENTS - LEASED	304,906.42	181,250	25 - SQ	0	15,032	4.93	25 - SQ	0	12,194	4.00	(2,838)
391.00	OFFICE FURNITURE AND EQUIPMENT	460,929.01	84,839	17 - S4	0	27,103	5.88	20 - SQ	0	23,047	5.00	(4,056)
392.00	TRANSPORTATION EQUIPMENT	801,524.98	529,461	7 - L4	20	118,145	14.74	8 - L3	20	19,335	2.41	(98,810)
393.00	STORES EQUIPMENT	3,271.19	3,271	40 - R1	0	82	2.50	25 - SQ	0	0	-	(82)
394.00	TOOLS, SHOP AND GARAGE EQUIPMENT	4,944,332.33	1,627,500	14 - L1	0	353,025	7.14	15 - SQ	0	329,880	6.67	(23,145)
396.00	POWER OPERATED EQUIPMENT	4,320.52	3,149	15 - L2	13	282	6.53	9 - L2.5	5	273	6.32	(9)
396.03	POWER OPERATED EQUIPMENT - DITCHERS	19,945.94	12,798	15 - L2	13	1,302	6.53	9 - L2.5	5	2,143	10.74	841
397.00	COMMUNICATION EQUIPMENT	124,207.70	64,239	11 - S4	0	11,290	9.09	15 - SQ	0	8,280	6.67	(3,010)
398.00	MISCELLANEOUS EQUIPMENT	1,418,784.44	877,000	14 - L1	0	101,301	7.14	15 - SQ	0	94,638	6.67	(6,663)
399.01	OTHER TANGIBLE PROPERTY - SERVERS	61,458.68	35,175	8 - S6	0	7,682	12.50	7 - SQ	0	8,784	14.29	1,102
399.06	OTHER TANGIBLE PROPERTY - PC HARDWARE	892,000.23	403,250	5 - S6	0	178,400	20.00	5 - SQ	0	178,432	20.00	32
TOTAL GENERAL PLANT		16,947,027.16	7,619,262			1,018,549	6.01			786,135	4.64	(232,414)
TOTAL DEPRECIABLE PLANT		783,790,634.37	235,824,332			17,209,637	2.20			18,032,865	2.30	823,228
NONDEPRECIABLE PLANT AND ACCOUNTS NOT STUDIED												
302.00	FRANCHISES AND CONSENTS	241,284.22	241,284									
365.10	LAND AND LAND RIGHTS	729,628.74										
374.00	LAND AND LAND RIGHTS	6,559,336.60										
389.00	LAND AND LAND RIGHTS	2,238,964.90										
TOTAL NONDEPRECIABLE PLANT AND ACCOUNTS NOT STUDIED		9,769,214.46	241,284									
TOTAL GAS PLANT		793,559,848.83	236,065,616									

* NEW ADDITIONS TO THIS ACCOUNT WILL UTILIZE A DEPRECIATION RATE OF 4.00%

Exhibit NWA-5

ATMOS ENERGY CORPORATION
KENTUCKY MID-STATES GENERAL OFFICE

COMPARISON OF EXISTING AND PROPOSED ANNUAL DEPRECIATION ACCRUAL
RATES AND ACCRUALS RELATED TO GAS PLANT AS OF SEPTEMBER 30, 2022

ACCOUNT		ORIGINAL COST	BOOK DEPRECIATION RESERVE	EXISTING ESTIMATES				PROPOSED ESTIMATES				INCREASE/ (DECREASE)
				SURVIVOR CURVE	NET SALVAGE PERCENT	CALCULATED ANNUAL ACCRUAL		SURVIVOR CURVE	NET SALVAGE PERCENT	CALCULATED ANNUAL ACCRUAL		
						RATE	AMOUNT			RATE	AMOUNT	
(1)		(2)	(3)	(4)	(5)	(6)	(7)=(2)x(6)	(8)	(9)	(10)	(11)	(12)=(11)-(7)
GENERAL PLANT												
390.01	STRUCTURES AND IMPROVEMENTS - FRAME	179,338.52	13,097	40 - R2	(10)	2.47	4,430	40 - R2	(10)	4.40	7,890	3,460
390.04	STRUCTURES AND IMPROVEMENTS - AIR CONDITIONING EQUIPMENT	15,383.91	10,853	15 - R2	(10)	6.43	989	15 - R2	(10)	4.06	625	(364)
390.09	STRUCTURES AND IMPROVEMENTS - IMPROVEMENTS - LEASED	38,834.00	38,834	20 - R3	0	5.00	1,942	20 - R3	0	-	0	(1,942)
391.00	OFFICE FURNITURE AND EQUIPMENT	26,927.93	4,070	20 - R3	0	5.00	1,346	20 - R3	0	6.43	1,731	385
392.00	TRANSPORTATION EQUIPMENT	27,284.69	14,272	15 - L3	10	5.41	1,476	12 - L2.5	5	9.09	2,479	1,003
394.00	TOOLS, SHOP AND GARAGE EQUIPMENT	110,227.42	34,405	15 - R5	0	4.82	5,313	15 - R4	0	6.09	6,717	1,404
396.00	POWER OPERATED EQUIPMENT	9,478.52	1,015	15 - L3	16	5.02	476	15 - L3	5	10.40	986	510
399.03	OTHER TANGIBLE PROPERTY - NETWORK HARDWARE	28,266.44	6,749	10 - SQ	0	10.00	2,827	10 - R4	0	10.99	3,106	279
399.07	OTHER TANGIBLE PROPERTY - PC SOFTWARE	78,585.68	55,776	7 - R1.5	0	12.45	9,784	7 - R4	0	13.19	10,366	582
399.08	OTHER TANGIBLE PROPERTY - APPLICATION SOFTWARE	237,874.81	192,814	12 - R2.5	0	8.33	19,815	10 - R4	0	9.62	22,872	3,057
TOTAL GENERAL PLANT		752,201.92	371,885			6.43	48,397			7.55	56,772	8,375
TOTAL DEPRECIABLE PLANT		752,201.92	371,885			6.43	48,397			7.55	56,772	8,375
NONDEPRECIABLE PLANT AND ACCOUNTS NOT STUDIED												
301.00	ORGANIZATION	185,309.27										
303.00	MISCELLANEOUS INTANGIBLE PLANT	1,109,551.68										
TOTAL NONDEPRECIABLE PLANT AND ACCOUNTS NOT STUDIED		1,294,860.95										
TOTAL GAS PLANT		2,047,062.87	371,885									

* NEW ADDITIONS TO THIS ACCOUNT WILL UTILIZE A DEPRECIATION RATE OF 5.00%

Exhibit NWA-6

Atmos Energy Corporation
2023 Tennessee Depreciation Filing
Plant Ending Balances as of September 30, 2022
Allocation and Impact of the Proposed SSU Depreciation Rates to Tennessee

[illegible]

Atmos Energy Corporation
2023 Tennessee Depreciation Filing
Plant Ending Balances as of September 30, 2022
Allocation and Impact of the Proposed SSU Depreciation Rates to Tennessee

Line No.	Account	Description	Plant Balances as of 9/30/22	Allocation Factor	Allocated Plant to Tennessee	Current Depr Rates	Annual Accrual	Proposed Depr Rates	Annual Accrual	Increase or (Decrease)
	(a)	(b)	(c)	(d)	(e) = (c) x (d)	(f)	(g) = (e) x (f)	(h)	(i) = (e) x (h)	(j) = (i) - (g)
37		<u>SSU - Align Pipe Project</u>								
38	39931	Servers Hardware	\$ 297,267		\$ 4,082	13.30%	\$ 543	12.66%	\$ 517	\$ (26)
39	39932	Servers Software	783,917		10,766	10.63%	1,144	10.10%	1,087	(57)
40	39938	Application Software	21,118,225		290,025	7.55%	21,897	6.93%	20,099	(1,798)
41		Total Align Pipe Project	<u>\$ 22,199,408</u>	1.37%	<u>\$ 304,873</u>		<u>\$ 23,584</u>		<u>\$ 21,703</u>	<u>\$ (1,881)</u>
42										
43		<u>SSU - Customer Support</u>								
44	38900	Land	\$ 2,874,240		\$ 136,814	0.00%	\$ -	0.00%	\$ -	\$ -
45	39000	Structures and Improvements	13,511,944		643,168	2.38%	15,307	2.38%	15,307	-
46	39009	Improvements to Leased Premises	2,956,107		140,711	5.13%	7,218	4.43%	6,233	(985)
47	39100	Office Furniture and Equipment	2,710,774		129,033	6.60%	8,516	6.36%	8,206	(310)
48	39700	Communication Equipment	1,913,117		91,064	6.72%	6,120	6.34%	5,773	(346)
49	39800	Miscellaneous Equipment	85,451		4,067	7.24%	294	7.00%	285	(10)
50	39900	Other Tangible Property	-		-	14.96%	-	14.24%	-	-
51	39901	Servers Hardware	12,194,175		580,442	13.30%	77,199	12.66%	73,484	(3,715)
52	39902	Servers Software	2,208,691		105,134	10.63%	11,176	10.10%	10,618	(557)
53	39903	Network Hardware	721,114		34,325	10.34%	3,549	11.28%	3,872	323
54	39906	PC Hardware	858,992		40,888	17.92%	7,327	19.93%	8,149	822
55	39907	PC Software	-		-	10.75%	-	11.66%	-	-
56	39908	Application Software	102,030,507		4,856,646	7.55%	366,677	6.93%	336,566	(30,111)
57		Total Customer Support	<u>\$ 142,065,113</u>	4.76%	<u>\$ 6,762,291</u>		<u>\$ 503,384</u>		<u>\$ 468,494</u>	<u>\$ (34,889)</u>
58										
59		<u>SSU - CKV Training Center</u>								
60	38910	Land and Land Rights	\$ 1,886,443		\$ 54,061	0.00%	\$ -	0.00%	\$ -	\$ -
61	39010	Structures and Improvements	12,586,758		360,705	2.38%	8,585	2.38%	8,585	-
62	39110	Office Furniture and Equipment	583,110		16,710	6.60%	1,103	6.36%	1,063	(40)
63	39210	Transportation Equipment	96,290		2,759	6.29%	174	6.59%	182	8
64	39410	Tools, Shop, and Garage Equipment	641,147		18,374	13.04%	2,396	12.44%	2,286	(110)
65	39710	Communication Equipment	376,253		10,782	6.72%	725	6.34%	684	(41)
66	39810	Miscellaneous Equipment	537,587		15,406	7.24%	1,115	7.00%	1,078	(37)
67	39910	Other Tangible Property	299,459		8,582	14.96%	1,284	14.24%	1,222	(62)
68	39916	PC Hardware	128,382		3,679	17.92%	659	19.93%	733	74
69	39917	PC Software	3,299		95	10.75%	10	11.66%	11	1
70	39918	Application Software	-		-	7.55%	-	6.93%	-	-
71		Total CKV Training Center	<u>\$ 17,138,728</u>	2.87%	<u>\$ 491,153</u>		<u>\$ 16,050</u>		<u>\$ 15,843</u>	<u>\$ (207)</u>
72										
73		Total Shared Services Plant	<u>\$ 396,252,829</u>		<u>\$ 15,827,996</u>		<u>\$ 1,257,394</u>		<u>\$ 1,180,354</u>	<u>\$ (77,040)</u>