

**INDIANA-AMERICAN WATER COMPANY, INC.**

**DIRECT TESTIMONY**

**OF**

**LARRY E. KENNEDY**

**SPONSORING ATTACHMENTS LEK-1 THROUGH LEK-3**

**March 31, 2023**

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OF  
LARRY E. KENNEDY**

**INTRODUCTION**

1

2 **Q. Please state your name and business address.**

3 A. My name is Larry E. Kennedy. My business address is 200 Rivercrest Drive SE, Suite  
4 277, Calgary, Alberta, T2C 2X5.

5 **Q. By whom are you employed and in what capacity?**

6 A. I am employed by Concentric Energy Advisors, Inc. (“Concentric”) as a Senior Vice  
7 President.

8 **Q. On whose behalf are you submitting this Direct Testimony?**

9 A. I am submitting this Direct Testimony before the Indiana Utility Regulatory  
10 Commission (“Commission”) on behalf of Indiana-American Water Company, Inc.  
11 (“INAWC” or the “Company”).

12 **Q. Are you sponsoring any attachments to your testimony?**

13 A. Yes. I am sponsoring the following Attachments:

14 Attachment LEK-1 Resume and Summary of Relevant Experience

15 Attachment LEK-2 2022 Depreciation Study (Water)

16 Attachment LEK-3 2022 Depreciation Study – Wastewater Assets

17 **Q. Please describe your education and experience.**

18 A. I am a Certified Depreciation Professional, with over 40 years of regulatory plant  
19 accounting and depreciation experience, and 22 years of depreciation and plant  
20 accounting consulting to the regulated utility industry. I have advised numerous energy

1 and utility clients on a wide range of accounting, property tax and utility depreciation  
2 matters. Many of these assignments have included the determination of appropriate  
3 annual depreciation accrual rates. I have included my resume and a summary of  
4 testimony that I have filed in other proceedings as Attachment LEK-1.

5 **Q. Please describe Concentric’s activities in energy and utility engagements.**

6 A. Concentric provides financial and economic advisory services to many and various  
7 energy and utility clients across North America. Our regulatory, economic, and market  
8 analysis services include utility ratemaking and regulatory advisory services; energy  
9 market assessments; market entry and exit analysis; corporate and business unit  
10 strategy development; demand forecasting; resource planning; and energy contract  
11 negotiations. Our financial advisory activities include buy and sell-side merger,  
12 acquisition and divestiture assignments; due diligence and valuation assignments;  
13 project and corporate finance services; and transaction support services. In addition,  
14 we provide litigation support services on a wide range of financial and economic issues  
15 on behalf of clients throughout North America.

16 **Q. Have you testified before any regulatory authorities?**

17 A. Yes. A list of proceedings in which I have provided testimony is provided in  
18 Attachment LEK-1.

19 **I. PURPOSE AND OVERVIEW OF DIRECT TESTIMONY**

20 **Q. What is the purpose of your Direct Testimony?**

21 A. The purpose of my Direct Testimony is to set forth the results of my full and  
22 comprehensive depreciation study of the water and wastewater plant in service of the

1 Company, as of December 31, 2022. I have prepared a report for the water assets and  
2 the wastewater assets, which are identified respectively as Attachments LEK-2 and  
3 LEK-3, titled “Calculated Annual Depreciation Rates Application to Plant in Service  
4 as of December 31, 2022”. The detailed depreciation study reports were prepared by  
5 me or under my direction.

6 **Q. Please provide a brief overview of the analyses that led to your depreciation**  
7 **recommendations.**

8 A. In preparing each depreciation study report, I analyzed the historic plant account data  
9 of INAWC to prepare an analysis of the Company’s past retirement experience. I met  
10 with the Company’s management and operations representatives to determine the  
11 extent to which the historic indications would be reflective of the future retirement  
12 patterns. I also reviewed the average service life and net salvage indications of many  
13 North American based water and wastewater utilities to test the results of my analysis  
14 against the water industry peers.

15 **Q. How is the remainder of your Direct Testimony organized?**

16 A. Section II provides the scope of my study and a summary of my analyses and  
17 conclusions. This section also includes a discussion of the major causes of changes in  
18 the depreciation accrual rate and amounts as compared to the last study. Section III  
19 provides a background on utility depreciation, depreciation methods and procedures.  
20 Section IV provides concluding comments.

1 **II. SCOPE OF THE DEPRECIATION STUDY**

2 **Q. Please outline the Scope of each Depreciation Study.**

3 A. Each depreciation study report sets forth the results of the depreciation study for the  
4 water or wastewater assets of INAWC, to determine the annual depreciation accrual  
5 rates and amounts for book purposes applicable to the original cost of investment, as  
6 of December 31, 2022. The rates and amounts are based on the Straight-Line Method,  
7 incorporating the Average Life Group Procedure applied on a Remaining Life Basis.  
8 Each study also describes the concepts, methods and judgments which underlie the  
9 recommended annual depreciation accrual rates related to the INAWC water or  
10 wastewater assets in service, as of December 31, 2022.

11 **Q. Please outline the information included in your depreciation study reports.**

12 A. Each depreciation study report is presented in ten (10) sections outlined as follows:

- 13 Section 1 Study Highlights, presents a summary of the depreciation study and  
14 results.
- 15 Section 2 Introduction, contains statements with respect to the plan and the basis  
16 of the study.
- 17 Section 3 Development of Depreciation Parameters, presents descriptions of the  
18 methods used and factors considered in the service life study.
- 19 Section 4 Calculation of Annual and Accrued Depreciation presents the methods  
20 and procedures used in the calculation of depreciation.
- 21 Section 5 Results of Study, presents summaries by depreciable group of annual  
22 and accrued depreciation in Tables 1, 1A, and 1B.
- 23 Section 6 Retirement Rate Analysis
- 24 Section 7 Net Salvage Calculations
- 25 Section 8 Detailed Depreciation Calculations
- 26 Section 9 Estimation of Survivor Curves, is an overview of Iowa curves and the  
27 Retirement Rate Analysis.
- 28 Section 10 Estimation of Net Salvage

1 **Q. Was each depreciation study prepared using generally accepted standard**  
2 **methods and practices?**

3 A. Yes. Previous depreciation studies completed for INAWC utilized a widely accepted  
4 method for the study of the Company's historic data, known as the Retirement Rate  
5 Analysis Method. The Retirement Rate Analysis Method is generally accepted as the  
6 correct method to use when aged data is available for review. The aged data used in  
7 the last study, through December 31, 2016, was available to be incorporated into our  
8 database.

9 Additional reliable aged data, for the period January 1, 2017 through to December 31,  
10 2022, was provided by the Company and incorporated in our database. Given the  
11 availability of reliable aged data, I prepared the historic study of mortality history using  
12 the retirement rate method. A detailed discussion of the retirement rate analysis is  
13 presented in Section 9 of my depreciation study reports.

14 Additionally, the service life study included:

- 15 • a review of INAWC company practice and outlook, as they relate to plant  
16 operation and retirement;
- 17 • consideration of current practice in the water or wastewater system industry,  
18 including knowledge of service life estimates used for other regulated water or  
19 wastewater system companies; and
- 20 • informed professional judgment which incorporated analyses of all of the above  
21 factors.

22 My study of the net salvage percentages was based on detailed study prepared under  
23 the standard approach, which has commonly become known as the "Traditional  
24 Method". Within this method, the net salvage transactions (gross salvage proceeds, re-

1 use salvage and costs of removal or retirement) are compared to the original cost of the  
2 item being retired. The analysis is prepared on an actual transaction year basis, for as  
3 many years as reliable data is available. The analysis then includes a series of 3-year  
4 rolling average bands, 5-year rolling average bands, and life to date bands covering all  
5 years of transactional data.

6 As described in later sections of this evidence, the depreciation accrual rates presented  
7 herein are based on generally accepted methods and procedures for calculating  
8 depreciation.

9 **Q. Please provide a summary of the results of the water depreciation study.**

10 A. This study results in a depreciation rate related to Structures and Improvements of  
11 1.94%, Transmission and Distribution plant of 2.59%, and a depreciation rate related  
12 to general plant of 9.34%.

13 **Q. How do the above depreciation rates compare to the currently approved**  
14 **depreciation rates?**

15 A. The following chart outlines the proposed changes by functional group:

<b>Functional Group</b>	<b>Currently Used</b>	<b>Proposed</b>
Structures and Improvements	2.62%	1.94%
Transmission and Distribution	2.42%	2.59%
General Plant	6.54%	9.34%
Total	2.61%	2.88%

16 **Q. Please outline the reasons for the change in the composite depreciation rate.**

17 A. Depreciation rates are comprised of the return of initial investment and the return of  
18 future net salvage. One significant cause of the change in depreciation rates is the  
19 change in average service life of many of the accounts. The following is a summary of

1 the proposed average service life estimates compared to the currently used estimates,  
 2 demonstrating the shortening of the average service life in 13 accounts, and the  
 3 lengthening of the average service lives in 16 accounts.

Account	Account Description	Currently Approved	Recommended
304.1	Source of Supply	45-S0.5	45-R1
304.2	Power and Pumping	75-S0	75-S0
304.3	Water Treatment	75-S0	75-S0
304.301	DPR Paint	15-SQ	40-SQ
304.302	Painting	15-SQ	40-SQ
304.31	Handl	75-S0	40-SQ
304.312	WH Repaint	15-SQ	25-SQ
304.39	Mixing	75-S0	40-SQ
304.391	Purification	75-S0	40-SQ
304.392	Wash Tank	75-S0	40-SQ
304.4	Transmission and Distribution	40-S0.5	40-S0.5
304.5	General	35-S0.5	35-S1
304.6	Office Buildings	30-S0	30-S0
304.61	HVAC	30-R2.5	30-R2.5
304.62	Leasehold	25-SQ	25-SQ
304.7	Shop and Garage	60-S1	60-S1
304.8	Miscellaneous	45-S0	40-L1
305	Collecting and Impounding Reservoirs	90-R3	95-R3
306	Lake, River, and Other Intakes	65-S0.5	65-S1
307	Wells and Springs	40-R0.5	40-R0.5
308	Infiltration Galleries and Tunnels	60-R2.5	65-R2.5
309	Supply Mains	75-R2.5	80-R2
310	Power Generation Equipment	45-R2	40-R2
311.2	Pumping Equipment - Electric	40-R1	40-R1
311.3	Pumping Equipment - Diesel	30-S0	35-S0
311.4	Pumping Equipment - Hydraulic	40-R2.5	40-R2.5
311.5	Pumping Equipment - Other	36-R1.5	36-R1.5
311.52	Pumping Equipment - SOS & Pumping	36-R1.5	36-R1.5
311.53	Pumping Equipment - Water Treatment	36-R1.5	36-R1.5
311.54	Pumping Equipment - Transmission & Distribution	36-R1.5	36-R1.5
320.1	Water Treatment Equipment - Non-Media	45-R1	45-R1
320.19	Water Treatment Equipment - Basin, Clearwell	45-R1.5	45-R2.5



<b>Account</b>	<b>Account Description</b>	<b>Currently Approved</b>	<b>Recommended</b>
320.2	Water Treatment Equipment - Filter Media	9-S0.5	10-S0.5
330	Distribution Reservoirs and Standpipes	60-S0	60-S0
330.01	Tank Repainting	15-S0	25-SQ
330.02	Tank Original Painting	15-S0	25-SQ
331.001	Mains- Transmission and Distribution	105-R2	105-R2
332	Mains - Fire	90-S1.5	90-S1.5
333	Services	75-R2.5	75-R2.5
333.1	Replaced Customer Lead Services	N/A	75-SQ
334.1	Meters	23-S1.5	15-S1.5
334.11	Meters - Bronze Case	16-L2	15-R1.5
334.12	Meters - Plastic Case	15-L1.5	15-R3
334.13	Meters - Other	23-L0.5	15-L1
334.131	Meter Reading Units	23-L0.5	15-R3
334.2	Meter Installations	65-R2.5	40-R3
334.21	Meter Installations - Other	65-R2.5	40-R3
334.3	Meter Vaults	40-L3	40-S0.5
335	Fire Hydrants	62-R2	65-R2
336	Backflow Prevention Devices	N/A	35-R3
339.3	Miscellaneous Intangible Plant - Treatment	25-SQ	25-SQ
339.5	Miscellaneous Intangible Plant - Transmission & Distribution	15-SQ	15-SQ
339.6	Miscellaneous Intangible Plant - Comprehensive Planning Studies	5-SQ	5-SQ
340.1	Office Furniture	20-SQ	20-SQ
340.21	Computer & Periphery - Mainframe	5-SQ	5-SQ
340.22	Computer & Periphery - Personal	5-SQ	5-SQ
340.23	Computer & Periphery - Other	5-SQ	5-SQ
340.3	Computer Software	10-SQ	10-SQ
340.31	Computer Software - Mainframe	5-SQ	6-SQ
340.325	Computer Software - Customized	5-SQ	5-SQ
340.33	Computer Software - Other	5-SQ	5-SQ
341.1	Light Trucks	8-L2.5	9-L2.5
341.2	Heavy Trucks	12-S2	13-S2
341.3	Autos	6-S1	7-S1
341.4	Other	13-L2	13-L2
342	Stores Equipment	25-SQ	25-SQ
343	Tools, Shop, and Garage Equipment	25-SQ	25-SQ
344	Laboratory Equipment	15-SQ	25-SQ
345	Power Operated Equipment	19-L2	20-L2

Account	Account Description	Currently Approved	Recommended
346	Communication Equipment - Not Classified	15-SQ	15-SQ
346.1	Communication Equipment - Non-Telephone	15-SQ	15-SQ
346.19	Remote Control & Instrument	15-SQ	15-SQ
346.2	Communication Equipment - Telephone	15-SQ	15-SQ
347	Miscellaneous Equipment	20-SQ	20-SQ

1           The specific reasons for the average service life extensions for each of the large  
2           accounts are discussed in Section 3.1.4 of my report. Additionally, the results of the  
3           statistical mortality study are presented for each account, in Section 6 of my report.

4           In addition to the above, Concentric completed a review of the net salvage requirements  
5           related to the water assets. The following is a summary of the proposed net salvage  
6           estimates compared to the currently used estimates, demonstrating the more negative  
7           net salvage requirements in 7 accounts, and the less negative net salvage requirements  
8           in 17 accounts.

Account	Account Description	Currently Approved	Recommended
304.1	Source of Supply	-25%	-25%
304.2	Power and Pumping	-25%	-25%
304.3	Water Treatment	-25%	-25%
304.301	DPR Paint	-25%	0%
304.302	Painting	-25%	0%
304.31	Handl	0%	0%
304.312	WH Repaint	0%	0%
304.39	Mixing	0%	0%
304.391	Purification	0%	0%
304.392	Wash Tank	0%	0%
304.4	Transmission and Distribution	-25%	-25%
304.5	General	-25%	-25%
304.6	Office Buildings	-15%	-15%
304.61	HVAC	0%	-5%
304.62	Leasehold	0%	0%
304.7	Shop and Garage	-20%	-20%
304.8	Miscellaneous	-10%	-10%
305	Collecting and Impounding Reservoirs	-10%	-10%
306	Lake, River, and Other Intakes	0%	-10%
307	Wells and Springs	-15%	-10%

Account	Account Description	Currently Approved	Recommended
308	Infiltration Galleries and Tunnels	-5%	-5%
309	Supply Mains	-20%	-20%
310	Power Generation Equipment	-10%	-10%
311.2	Pumping Equipment - Electric	-10%	-5%
311.3	Pumping Equipment - Diesel	-10%	-5%
311.4	Pumping Equipment - Hydraulic	-10%	-5%
311.5	Pumping Equipment - Other	-10%	-15%
311.52	Pumping Equipment - SOS & Pumping	-10%	-10%
311.53	Pumping Equipment - Water Treatment	-10%	-10%
311.54	Pumping Equipment - Transmission & Distribution	-10%	-10%
320.1	Water Treatment Equipment - Non-Media	-25%	-30%
320.19	Water Treatment Equipment - Basin, Clearwell	-25%	-30%
320.2	Water Treatment Equipment - Filter Media	0%	-10%
330	Distribution Reservoirs and Standpipes	-30%	-30%
330.01	Tank Repainting	0%	0%
330.02	Tank Original Painting	0%	0%
331.001	Mains- Transmission and Distribution	-75%	-70%
332	Mains - Fire	0%	0%
333	Services	-150%	-125%
333.1	Replaced Customer Lead Services	N/A	0%
334.1	Meters	-20%	-15%
334.11	Meters - Bronze Case	-20%	-15%
334.12	Meters - Plastic Case	-20%	-15%
334.13	Meters - Other	-20%	-15%
334.131	Meter Reading Units	-20%	-15%
334.2	Meter Installations	-50%	-25%
334.21	Meter Installations - Other	-50%	0%
334.3	Meter Vaults	-40%	-30%
335	Fire Hydrants	-50%	-50%
336	Backflow Prevention Devices	0%	0%
339.3	Miscellaneous Intangible Plant - Treatment	0%	0%
339.5	Miscellaneous Intangible Plant - Transmission & Distribution	0%	0%
339.6	Miscellaneous Intangible Plant - Comprehensive Planning Studies	0%	0%
340.1	Office Furniture	0%	0%
340.21	Computer & Periphery - Mainframe	0%	0%
340.22	Computer & Periphery - Personal	0%	0%
340.23	Computer & Periphery - Other	0%	0%
340.3	Computer Software	0%	0%
340.31	Computer Software - Mainframe	0%	0%
340.325	Computer Software - Customized	0%	0%
340.33	Computer Software - Other	0%	0%
341.1	Light Trucks	15%	15%
341.2	Heavy Trucks	20%	20%
341.3	Autos	25%	20%
341.4	Other	10%	10%
342	Stores Equipment	0%	0%

Account	Account Description	Currently Approved	Recommended
343	Tools, Shop, and Garage Equipment	0%	0%
344	Laboratory Equipment	0%	0%
345	Power Operated Equipment	0%	5%
346	Communication Equipment - Not Classified	0%	0%
346.1	Communication Equipment - Non-Telephone	0%	0%
346.19	Remote Control & Instrument	0%	0%
346.2	Communication Equipment - Telephone	0%	0%
347	Miscellaneous Equipment	0%	0%

1 **Q. Please provide a summary of the results of the wastewater depreciation study.**

2 A. This study results in a depreciation rate related to Structures and Improvements of  
3 4.97% and Collecting, Treatment and General Plant of 4.43%.

4 **Q. How do the above depreciation rates compare to the currently approved  
5 depreciation rates?**

6 A. The following chart outlines the proposed changes by functional group:

Functional Group	Currently Used	Proposed
Structures and Improvements	2.66%	4.97%
Collecting, Treatment and General Plant	4.86%	4.43%
Total	4.64%	4.53%

7 **Q. Please outline the reasons for the change in the composite wastewater depreciation  
8 rate.**

9 A. Depreciation rates are comprised of the return of initial investment and the return of  
10 future net salvage. One significant cause of the change in wastewater depreciation rates  
11 is the change in average service life of many of the accounts. The following is a  
12 summary of the proposed average service life estimates compared to the currently used  
13 estimates, demonstrating the shortening of the average service life in 2 accounts, and  
14 the lengthening of the average service lives in 5 accounts.

15

Account	Account Description	Currently Approved	Recommended
354.2	Collection	50-S1.5	50-R2
354.4	Treatment	45-R3	50-R3
354.5	General	50-R3	50-R3
355.4	Power Generation Equipment - Treatment	30-S2.5	35-S2.5
355.5	Power Generation Equipment - RWTP	30-S2.5	35-S2.5
361.1	Mains	55-R2.5	60-R4
363	Services	50-S1.5	55-R3
364	Meters	30-L3	20-R4
371.1	Electric Pumping Equipment	30-S2.5	25-S2.5
371.2	Other Pumping Equipment	35-R3	35-R3
371.3	Miscellaneous Pumping Equipment	35-R3	35-R3
380.45	Treatment and Disposal Equipment - Other Sewer Rema	30-L2.5	30-L2
380.5	Treatment and Disposal Equipment - Treatment Pit	30-L2.5	30-L2
380.6	Treatment and Disposal Equipment - Other Disposal	30-L2.5	30-L2
380.625	Treatment and Disposal Equipment - General Treatment	30-L2.5	30-L2
381	Plant Sewers	50-R2.5	50-R2.5
394	Laboratory Equipment	15-SQ	15-SQ
396	Communication Equipment	15-SQ	15-SQ
397	Miscellaneous Equipment	20-SQ	20-SQ

1 In addition to the above, Concentric completed a review of the net salvage requirements  
2 related to the wastewater assets. The following is a summary of the proposed net  
3 salvage estimates compared to the currently used estimates, demonstrating the more  
4 negative net salvage requirements in 3 accounts.

5 **Q. Are the average service life changes, as noted above for both water and**  
6 **wastewater, typical for utility assets?**

7 A. Yes. In a number of recent depreciation studies that I have completed, I have noted that  
8 the average service life of many asset classes is lengthening throughout North  
9 America. While there are a number of factors causing this lengthening of life estimates,  
10 the most prevalent reason is the increased focus of utilities in maintaining and life  
11 extending the infrastructure.

1 At the same time that there has been a trend towards lengthening average service lives  
2 for some asset classes, it has been common throughout North America for there to be  
3 a shortening in other asset classes. The quickening pace of technological change in  
4 some industries results in a trend towards average service life decreases. For example,  
5 the pace of technological change in metering assets has resulted in the life of metering  
6 classes to be shortened industry wide. The move from analogue meters to digital meters  
7 using first generation communication technology, and now to modern two-way  
8 communication technology has resulted in meters having a significantly shorter life  
9 now than they did historically.

10 As such, the average service life changes as observed in these studies are consistent  
11 with my observations in a number of other water and wastewater utilities.

### 12 **III. DEPRECIATION METHODS AND PROCEDURES**

13 **Q. How is depreciation defined for a rate regulated utility?**

14 A. Depreciation defined – “Depreciation, as applied to depreciable . . . plant, means the  
15 loss in service value not restored by current maintenance, incurred in connection with  
16 the consumption or prospective retirement of water plant in the course of service from  
17 causes which are known to be in current operation and against which the utility is not  
18 protected by insurance. Among the causes to be given consideration are wear and tear,  
19 decay, action of the elements, inadequacy, obsolescence, changes in the art, changes in  
20 demand and requirements of public authorities”.<sup>1</sup> When considering the action of the  
21 elements, my average service life recommendations have considered large catastrophic

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<sup>1</sup> Federal Energy Regulatory Commission, Part 101, Uniform System of Accounts Prescribed for Public Utilities and Licensees Subject to the Provisions of the Federal Power Act, Definitions

1 events that have occurred and impacted the life estimates of utility assets across North  
2 America through our use of peer analysis. The average service life of utilities has been  
3 influenced by events including forest fires, earthquakes, tornadoes, ice storms, wind  
4 storms, large scale flooding, fires, actions of third parties and other natural forces of  
5 nature. These forces of retirement should be included in the determination of the  
6 average service life.

7 Depreciation, as used in accounting, is a method of distributing fixed capital costs, less  
8 net salvage, over a period of time by allocating annual amounts to expense. Each  
9 annual amount of such depreciation expense is part of that year's total cost of providing  
10 water or wastewater utility service. Normally, the period of time over which the fixed  
11 capital cost is allocated to the cost of service is equal to the period of time over which  
12 an item renders service, that is, the item's service life. The most prevalent method of  
13 allocation is to distribute an equal amount of cost to each year of service life. This  
14 method is known as the Straight-Line Method of depreciation, which was adopted for  
15 use in my study.

16 **Q. Please outline the depreciation methods and procedures used in your depreciation**  
17 **studies.**

18 A. The calculation of annual and accrued depreciation, based on the Straight-Line Method,  
19 requires the estimation of survivor curves and the selection of group depreciation  
20 procedures, as discussed below.

21 Depreciation Grouping Procedures - When more than a single item of property is under  
22 consideration, a group procedure for depreciation is appropriate because normally all

1 of the items within a group do not have identical service lives but have lives that are  
2 dispersed over a range of time. There are two primary group procedures, namely, the  
3 Average Life Group and Equal Life Group procedures.

4 In the Average Life Group Procedure, the rate of annual depreciation is based on the  
5 average service life of the group. This rate is applied to the surviving balances of the  
6 group's cost. A characteristic of this procedure is that the cost of plant retired prior to  
7 average life is not fully recouped at the time of retirement, whereas the cost of plant  
8 retired subsequent to the average life is more than fully recouped. Over the entire life  
9 cycle, the portion of cost not recouped prior to average life is balanced by the cost  
10 recouped subsequent to average life.

11 In the Equal Life Group Procedure, also known as the Unit Summation Procedure, the  
12 property group is subdivided according to service life. That is, each equal life group  
13 includes that portion of the property which experiences the life of that specific group.  
14 The relative size of each equal life group is determined from the property's life  
15 dispersion curve. The calculated depreciation for the property group is the summation  
16 of the calculated depreciation based on the service life of each equal life unit. In the  
17 determination of the depreciation rates in this study, the use of the Average Service  
18 Life Procedure has been continued.

19 Amortization accounting is used for certain general plant accounts because of the  
20 disproportionate plant accounting effort required in these accounts. Many regulated  
21 utilities in North America have received approval to adopt amortization accounting for  
22 these accounts. This study calculates the annual and accrued depreciation using the



1 Straight-Line Method and Average Life Group Procedure for most accounts. For  
2 certain general plant accounts, the annual and accrued depreciation are based on  
3 amortization accounting. Both types of calculations were based on original cost,  
4 attained ages and estimates of service lives. Variances between the calculated accrued  
5 depreciation and the book accumulated depreciation are amortized over the composite  
6 remaining life of each account within the remaining life calculations. Amortization  
7 accounting has been continued in this study in a manner largely consistent with the  
8 prior study.

9 A detailed account by account analysis of the factors considered in the selection of my  
10 recommended average service life estimates is provided in Section 3.1.4 of my  
11 depreciation study report.

12 **Q. Please outline any changes that you made in the depreciation method, grouping**  
13 **procedures or remaining life calculations as compared to previous depreciation**  
14 **studies.**

15 A. The depreciation rates calculated in this study were calculated on the same manner as  
16 used in the prior full depreciation study – i.e. using the Straight-Line Method, the  
17 Average Life Group Procedure was applied on a remaining life basis. Further, the  
18 underlying calculations related to the annual accrual amounts for all accounts have not  
19 changed in this depreciation study. However, the calculation of the composite  
20 remaining life for the account as a whole has been slightly modified in this depreciation  
21 study. This does not impact the annual depreciation accrual amount or rate calculations.

1 The previous depreciation study calculated the composite remaining life by dividing  
 2 the sum of all annual accrual amounts by the net book value for the account as a whole.  
 3 As such, the composite remaining life was an output of the depreciation calculations  
 4 not an input into the depreciation formula. This depreciation study calculates the  
 5 remaining life of the account through the weighted average original cost amount.

6 The differences in the remaining life can be seen in a simple example. The former  
 7 method calculates the composite remaining life in the following manner:

	Original Cost	Accumulated Depreciation	Net Book Value	Remaining Life	Annual Accrual
2018	\$754,230	\$67,652	\$686,578	35.60	\$19,285
2019	\$453,225	\$31,683	\$421,542	36.57	\$11,526
2020	\$282,392	\$14,127	\$268,266	37.55	\$7,145
2021	\$53,523	\$1,609	\$51,914	38.53	\$1,348
2022	\$30,991	\$311	\$30,680	39.51	\$777
Total	\$1,574,363	\$115,382	\$1,458,980		\$40,081

8 The previous depreciation study would have calculated the remaining life to be equal  
 9 to  $\$1,458,980/\$40,081 = 36.40$  years.

10 The current depreciation study requires a more detailed calculation for the remaining  
 11 life. The original cost for each vintage is multiplied by remaining life for that vintage.  
 12 This number is then summed and divided by the total original cost for the account as a  
 13 whole. In the above example, the remaining life calculations are as follows:

	Original Cost	Accumulate Depreciation	Net Book Value	Remaining Life	Annual Accrual	Weighted Remaining Life
2018	\$754,230	\$67,652	\$686,578	35.60	\$19,285	26,850,597
2019	\$453,225	\$31,683	\$421,542	36.57	\$11,526	16,574,461
2020	\$282,392	\$14,127	\$268,266	37.55	\$7,145	10,603,850
2021	\$53,523	\$1,609	\$51,914	38.53	\$1,348	2,062,272
2022	\$30,991	\$311	\$30,680	39.51	\$777	1,224,468
Total	\$1,574,363	\$115,382	\$1,458,980		\$40,081	57,315,648

1 The Concentric model calculates the remaining life to be  $\$57,315,648/\$1,574,363 =$   
2 36.41 years. As in the example, the difference in composite remaining life is generally  
3 very small between the two methods and there is no difference in the underlying annual  
4 accrual calculation. Both methods use the same depreciation formulas to calculate the  
5 annual accrual amount.

6 **Q. Was there any change to the remaining life by vintage as used in the depreciation**  
7 **study?**

8 A. No. This depreciation study maintains the currently approved use of a minimum  
9 remaining life of one year for all annual accrual calculations. When the remaining life  
10 for a given vintage is less than one year, the depreciation expense was calculated as the  
11 remaining net book value.

#### 12 **IV. CONCLUDING REMARKS**

13 **Q. What is your conclusion with respect to INAWC's proposed depreciation**  
14 **expense?**

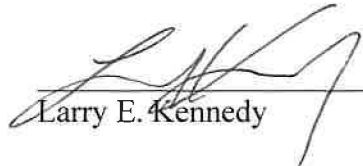
15 A. My conclusion is that INAWC's requested depreciation rates, resulting in a composite  
16 depreciation rate related to water of 2.88% and related to wastewater of 4.53%,  
17 reasonably reflects the annual consumption of the undepreciated service value of the  
18 utility plant in service. The use of the depreciation rates as presented in each report, by  
19 account, will provide for an appropriate amount of depreciation expense in the  
20 Company's revenue requirement. Therefore, I recommend that the proposed  
21 depreciation rates set forth in each depreciation study, that I prepared for this  
22 proceeding, be adopted by the Commission for regulatory purposes as well as by the  
23 Company for financial reporting purposes.

1 Q. Does this conclude your Direct Testimony?

2 A. Yes, it does.

## VERIFICATION

I, Larry E. Kennedy, Senior Vice President, Concentric Energy Advisors, Inc., affirm under penalties of perjury that the foregoing representations are true and correct to the best of my knowledge, information and belief.

  
\_\_\_\_\_  
Larry E. Kennedy

Date: March 30, 2023

**LARRY E. KENNEDY, CDP**Senior Vice President

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Mr. Kennedy has been in the pipeline, electric, gas utility and municipal infrastructure business for 40 years. As Senior Vice President, Concentric Advisors, ULC, Mr. Kennedy has provided professional consulting services to gas and electric utilities including generation facilities (including nuclear facilities), and high voltage transmission lines, large diameter transmission pipelines, railway systems and municipally owned utility systems. Previously, Mr. Kennedy was with Gannett Fleming Canada ULC, for over 17 years, where he was responsible for completing depreciation studies and provided advice related to large capital program spending and controls for many regulated North American utilities. Mr. Kennedy was also employed by Interprovincial Pipelines Limited (now Enbridge Pipelines) for 15 years in several plant accounting and regulatory positions and with Nova Gas Transmission Pipelines (now TC Energy) for three years as a Depreciation Specialist.

Mr. Kennedy has provided expert witness testimony related to depreciation, stranded costs, capital accounting issues, utility valuation, and property tax issues before several North American regulatory bodies. Mr. Kennedy has completed numerous seminars and all courses offered by Depreciation Programs, Inc. Mr. Kennedy is a member of the teaching faculty of the Society of Depreciation Professionals ("SDP") and has presented depreciation, stranded cost, and capital accounting related topics to the SDP, Canadian Electric Association, Canadian Gas Association, Canadian Property Taxpayers Association, Alberta Utilities Commission, British Columbia Utilities Commission and the Canadian Energy Pipeline Association. Mr. Kennedy is a past Society of Depreciation Professionals President.

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**PERSONAL INFORMATION**

- Diploma, Applied Arts - Business Administration, Northern Alberta Institute of Technology, 1978
- Member, Society of Depreciation Professionals
- Certified Depreciation Professional

**EXPERIENCE****Representative Project Experience**

- Alliance Pipeline L.P. A number of depreciation studies have been completed by Mr. Kennedy for both the Canadian and US assets of Alliance Pipelines. The most recent studies completed in 2012 for Submission to the National Energy Board of Canada and in 2015 for submission to the FERC (Docket No. RP15-1022-000) to the Federal Energy Regulatory included operational discussions related to the gas transmission plant, the service life analysis for all accounts using the retirement rate analysis, discussion with management regarding outlook, and the inclusion of an Economic Planning Horizon.
- Viking Gas Transmission Company - The assignment included working with the company to develop the appropriate depreciation policy to align with the organization's overall goals and objectives. The resulting depreciation study, which was submitted to the Federal Energy and



Regulatory Commission, incorporated the concepts of time-based depreciation for gas transmission accounts and development of Economic Planning Horizons, including discussion related to the long demand of natural gas.

- **Midwestern Gas Transmission Company:** The assignment included development of a detailed depreciation study and Testimony to develop the appropriate depreciation policy to align with the organization's overall goals and objectives. The resulting depreciation study, which was submitted to the Federal Energy and Regulatory Commission, incorporated the concepts of time-based depreciation for gas transmission accounts and development of Economic Planning Horizons. The Direct Testimony included significant discussion related to the topics of Decarbonization and changing political climate towards removal of fossil fuel demand forecasts.
- **Enbridge Lakehead System:** A Technical Update to a 2016 full depreciation study was prepared and filed with the FERC in 2021 in support of updating depreciation rate and resultant depreciation expense. The technical update also included an analysis and recommendation of a 20-year Economic Planning Horizon (Economic Life).
- **Consolidated Edison Company of New York, Inc.:** Mr. Kennedy co-authored a study and report which presented the results of research focusing on prior periods of transformative change and more recent discussions of policy tools that could address the impacts of climate change on the Company's electric, steam, and natural gas businesses.
- **Montana-Dakota Utilities Co.:** A study was developed to determine the appropriate depreciation parameters for all electric generation, transmission and distribution assets. The study and associated expert testimony were submitted to the Montana Public Service Commission in 2018 and to the North Dakota Public Service Commission in 2022. Elements of the study included a field review of electric generation and transmission plant, the service life analysis for all accounts using the retirement rate analysis, discussion with management regarding outlook and the estimation of the retirement of generation facilities due to environmental legislation and estimation of net salvage requirements.
- **Commonwealth Edison Company:** Mr. Kennedy sponsored extensive Rebuttal Testimony related to the average service life, net salvage estimations, and appropriate depreciation practices in a 2020 rate proceeding.
- **Great Plains Natural Gas Co.:** Annual updates of depreciation rates and net salvage requirements were calculated and submitted to the Minnesota Department of Commerce annually since 2017.
- **National Grid USA Service Company Limited:** A depreciation study was completed in 2020 for the National Grid High Voltage Direct Current (HVDC) electric interstate transmission line. The study included consideration of the average service life of the system components, the level of components of the system and the compliance of the recommended componentization to the FERC Uniform System of Accounts. The resultant study was used by the company in filings with the Federal Energy and Regulatory Commission (FERC)
- **Society of Depreciation Professionals (SDP):** Mr. Kennedy has presented at the annual conferences on the topic of the erosion of the regulatory compact throughout North America, the Future of Energy transition and its impacts on recovery of investment. Additionally, Mr. Kennedy is a member of the SDP teaching faculty and has lead a number of workshops on various aspects of decarbonization and has co-instructed on the topic of the future of energy.



## Other Representative Project Experience

- Alberta Departments of Energy and Forestry and Agriculture: Detailed toll comparison and valuation models were developed to provide a comparison of the toll fairness of each of the Provinces Rural Electrification Associations (“REA”) to the comparable Investor Owned Utilities (“IOU”) for the 32 REA’s currently operating in Alberta. In addition to providing a toll comparison of the REA and IOU, a fair market valuation for each of the REA’s was also prepared. The final report of the toll compatibility and specific valuations were submitted to the Alberta Department of Energy and the Alberta Department of Forestry and Agriculture. Mr. Kennedy was the Responsible Officer on this project.
- Alliance Pipeline L.P. A number of depreciation studies have been completed by Mr. Kennedy for both the Canadian and US assets of Alliance Pipelines. The most recent studies completed in 2012 for Submission to the National Energy Board of Canada and to the Federal Energy Regulatory included operational discussions related to the gas transmission plant, the service life analysis for all accounts using the retirement rate analysis, discussion with management regarding outlook, and the inclusion of an Economic Planning Horizon.
- AltaGas Utilities Inc.: A number of depreciation studies have been completed, which included the assembly of basic data from the Company's accounting systems, statistical analysis of retirements for service life and net salvage indications, discussions with management regarding the outlook for property, and the calculations of annual and accrued depreciation. The studies were prepared for submission to the Alberta Energy and Utilities Board (“Board”). Mr. Kennedy has appeared before the Alberta Utilities Commission on behalf of AltaGas on a number of occasions.
- AltaLink LP: An initial study was developed for submission to the Alberta Utilities Commission (“AUC”) in 2002. The study included the estimation of service life characteristics, and the estimation of net salvage requirements for all electric transmission assets. A net salvage study and technical update was also filed with the Board in 2004. Since 2004, additional depreciation studies were filed in 2005, 2010 and 2012, 2016 and 2018. The 2010, 2012, 2016 and 2018 studies included a number of provisions in order to ensure compliance to Alberta's Minimum Filing Requirements for depreciation studies and for compliance to the International Financial Reporting Standards. These studies also specifically analyzed the pace of technical change in the Alberta Electric system, and recently have specifically considered the impacts of early retirements caused by storms and forest fires.
- ATCO Electric: Studies have included the development of annual and accrued depreciation rates for the electric transmission and distribution systems for the Alberta assets of ATCO Electric, in addition to the generation, transmission, and distribution assets of Northland Utilities Inc. (NWT) and the distribution assets of Northland Utilities (Yellowknife) Inc. The ATCO Electric studies were submitted to the AUC for review, while the NWT and Northland Utilities (Yellowknife) Inc. studies were submitted to the Northwest Territories Utilities Board and Yukon Electric Company Limited (YECL) was submitted to the Yukon Public Utilities Board. These studies also specifically analyzed the pace of technical and recently





have specifically considered the impacts of early retirements caused by storms and forest fires.

- ATCO Gas: Studies were prepared in 2010 and 2018 which were the subject of a review by the AUC. Elements of all of the studies included the service life analysis for all accounts using the retirement rate analysis, discussion with management regarding outlook, and the estimation of net salvage requirements. These studies also specifically analyzed the pace of technical change in the Alberta Gas system, and recently have specifically considered the impacts of early retirements caused by storms and forest fires.
- Centra Gas Manitoba, Inc.: The study included development of annual and accrued depreciation rates for all gas plant in service. Elements of the study included a field inspection of metering and compression facilities, service buildings and other gas plant; service life analysis for all accounts using the retirement rate analysis on a combined database developed from actuarial data and data developed through the computed method; discussions with management regarding outlook; and the estimation of net salvage requirements. A similar study was completed in 2006, 2011, and 2015. The 2011 and 2015 studies were the subject of a review by the Manitoba Public Utilities Board in 2012 and 2016. Mr. Kennedy has also consulted on issues regarding International Financial Reporting Standards (“IFRS”) compliance and required componentization.
- Enbridge Gas Distribution Inc.: Full and comprehensive depreciation studies have been completed in 2009 and 2011. The 2009 study also included review of the company's gas storage operations. Both studies included the development of annual and accrued depreciation rates for all depreciable natural gas distribution, transmission and general plant assets. Elements of the studies included the service life analysis for all accounts using the computed mortality method of analysis, discussion with management regarding outlook and the estimation of net salvage requirements. Studies were prepared for submission to the Ontario Energy Board.
- Mr. Kennedy has also completed an allocation of the accumulated depreciation accounts into the amounts related to the recovery of original cost and the amounts recovered in tolls for the future removal of assets currently in service. The allocations were determined as of December 31, 2009 and were deemed by the company's external auditors to be in conformance with proper accounting standards and procedures. In 2013, a review of the reserve required for the future removal of assets currently in service was undertaken by Mr. Kennedy. The results of the review were summarized in evidence presented by Mr. Kennedy to the Ontario Energy Board.
- ENMAX Power Corporation: Studies have included the development of annual and accrued depreciation rates for all depreciable electric transmission assets. Elements of the studies included the service life analysis for all accounts using the retirement rate analysis, discussion with management regarding outlook, and the estimation of net salvage requirements. Studies were prepared for submission to the Alberta Department of Energy and more recently for submission to the Alberta Energy and Utilities Board. Similar studies have also been completed for submission for the ENMAX Electric Distribution assets for



submission to the AUC. The ENMAX distribution asset assignments also included an extensive asset verification project where the plant accounting and operational asset records were verified to the field assets actually in service.

- Fortis Group of Companies: Studies have included the development of annual and accrued depreciation rates for the electric distribution assets in Alberta and for the generation, transmission, and distribution assets in British Columbia. The FortisBC Inc. studies were completed and filed with the British Columbia Utilities Commission (“BCUC”) in 2005, 2010, 2011 and 2018 encompassing both the FortisBC electric and natural gas companies. FortisAlberta Inc. studies were completed in 2004 (updated in 2005), 2009 and 2010. Elements of the studies included the development of average service lives using the retirement rate method of analysis, development of net salvage estimates, compliance with IFRS, and the determination of appropriate annual accrual and accrued depreciation rates. The most recent studies also specifically analyzed the pace of technical change in the Electric systems, and specifically considered the impacts of retirements, system modernization and technical enhancements to the assets.
- International Financial Reporting Standards (“IFRS”): Mr. Kennedy has been retained by numerous clients encompassing most Canadian Provinces and Territories. The assignments included the review of company's assets and depreciation practices to provide opinion on the compliance to the IFRS. The assignments have also included the issuance of opinion to the External Auditors of Utilities to comment on the manner in which the Utilities can minimize differences in the regulatory ledgers and the accounting records used for financial disclosure purposes. Mr. Kennedy has also presented to the Canadian Electric Association, the Society of Depreciation Professionals, the Canadian Energy Pipeline Association and to the BCUC on this topic.
- Mackenzie Valley Pipeline Project: This assignment included the review of the proposed depreciation schedule for the proposed Mackenzie Valley Pipeline. The review included a discussion of the policies used by the company and the depreciation concepts to be included in a depreciation schedule for a Greenfield pipeline. The review was supported through appearance at the oral public hearings before the National Energy Board of Canada (“NEB”).
- Manitoba Hydro: A study was developed to determine the appropriate depreciation parameters for all electric generation, transmission and distribution assets. The study was submitted to the Manitoba Public Utilities Board. Elements of the study included a field review of electric generation and transmission plant, the service life analysis for all accounts using the retirement rate analysis, discussion with management regarding outlook and the estimation of net salvage requirements. A similar study was also completed in 2006 and in 2011. The 2011 depreciation study was the subject of a review by the Manitoba Public Utilities Board in 2012. Mr. Kennedy has also consulted with Manitoba Hydro on issues regarding IFRS compliance and required componentization.
- New Brunswick Power: Mr. Kennedy completed a comprehensive depreciation review of the electric generation (including the nuclear facilities), transmission, distribution and general plant assets. The review, which was prepared for submission to the New Brunswick Public



Utilities Board, included a significant amount of discussion regarding the development of depreciation policy for the company. The study also included development of procedures to extract data from the company databases, tours of the company facilities, interviews with operational and management representatives, development of appropriate net salvage rates, development of average service life estimates, and the compilation of the report.

- Newfoundland and Labrador Hydro (NALCOR): Mr. Kennedy developed comprehensive depreciation studies that included the development of depreciation policy and rates for NALCOR. The studies provided a significant review of the previous depreciation policy, which included use of a sinking fund depreciation method and provided justification for the conversation to the straight-line depreciation method. The study, which was prepared for submission to the Newfoundland and Labrador Utilities Commission, included a significant amount of discussion regarding the development of depreciation policy for the company. The study also included development of procedures to extract data from the company databases, tours of the company facilities, interviews with operational and management representatives, development of appropriate net salvage rates, development of average service life estimates, and the compilation of the report for submission in a General Tariff Application. Additional studies were also completed in 2008 and 2010. The 2010 and 2017 studies were the subject of Regulatory Review in 2012 and 2019.
- Ontario Power Generation: Assignments have included a review of the Depreciation Review Committee process completed in 2007. This review provided recommendations for enhanced internal processes and controls in order to ensure that the depreciation expense reflects the annual consumption of service value. Additionally, full assessments of the lives of the regulated assets of the company's electric generation hydro and nuclear plants were completed in 2011 and 2013 and were submitted to the Ontario Energy Board for review.
- TransCanada Pipelines Limited - Alberta Facilities: The assignment included working with the company to develop the appropriate depreciation policy to align with the organization's overall goals and objectives. The resulting depreciation study, which was submitted to the Alberta Energy and Utilities Board, incorporated the concepts of time-based depreciation for gas transmission accounts and unit-based depreciation for gathering facilities. The data was assembled from two different accounting systems and statistical analysis of service life and net salvage were performed. For gathering accounts, the assignment included the oversight of the development of appropriate gas production and ultimate gas potential studies for specific areas of gas supply. Field inspections of gas compression, metering and regulating, and service operations were conducted. Studies were completed in 2002 and 2004, 2007, 2009 and 2012, 2015, and 2018.
- TransCanada Pipelines Limited - Mainline Facilities: The study prepared for submission to the NEB included the development of annual and accrued depreciation rates for gas transmission plant east of the Alberta - Saskatchewan border. Elements of the study included a field inspection of compression and metering facilities, service life and net salvage analysis for all accounts. The study was completed in 2002 and was supported through an appearance before the NEB. Study updates have been completed in 2005, 2007, 2009 and an additional



full and comprehensive study was completed in 2011, and 2017. The 2011 study was fully supported through an appearance before the NEB in 2012.

#### Designations and Professional Affiliations

- Society of Depreciation Professionals -Certified Depreciation Professional
- Society of Depreciation Professionals (former President)



**EVIDENCE ENTERED INTO PROCEEDINGS IN THE UNITED STATES**

<b>YEAR</b>	<b>CLIENT</b>	<b>APPLICANT</b>	<b>REGULATORY BOARD</b>	<b>PROCEEDING NUMBER</b>
2015	Alliance Pipeline LP	Alliance Pipeline LP	Federal Energy and Regulatory Commission	Docket No. RP15-1022
2019	Viking Gas Transmission Company	Viking Gas Transmission Company	Federal Energy Regulatory Commission	RP19-1340
2020	National Grid USA Service Company Limited	National Grid USA Service Company Limited	Federal Energy Regulatory Commission	Settled through Negotiation
2018	Great Plains Natural Gas Co.	Great Plains Natural Gas Co.	Minnesota Department of Commerce	Annual Depreciation Filing
2018	Montana-Dakota Utilities	Montana-Dakota Utilities	Montana Public Service Commission	Docket D2019.9
2019	Great Plains Natural Gas Co	Great Plains Natural Gas Co	Minnesota Department of Commerce	Annual Depreciation Filing
2020	Cascade Natural Gas Corporation	Cascade Natural Gas Corporation	Oregon Public Utility Commission	UM - 2073
2020	Missouri-American Water Company	Missouri-American Water Company	Missouri Public Service Commission	WR-2020-0344
2020	Great Plains Natural Gas Co	Great Plains Natural Gas Co	Minnesota Department of Commerce	Annual Depreciation Filing
2020	Commonwealth Edison Company	Commonwealth Edison Company	State of Illinois - Illinois Commerce Commission	Docket 20-0393
2021	Intermountain Gas Company	Intermountain Gas Company	Idaho Public Utilities Commission	Case No. INT-21-01
2021	Midwestern Gas Transmission Company	Midwestern Gas Transmission Company	Federal Energy Regulatory Commission	RP21-525-000
2021	Enbridge Lakehead System	Enbridge Lakehead System	Federal Energy Regulatory Commission	DO21-15-000
2021	Consolidated Edison of New York	Consolidated Edison of New York	New York State Public Service Commission	19-G-0066
2022	Montana-Dakota Utilities	Montana-Dakota Utilities	North Dakota Utilities Commission	pending Montana-Dakota Utilities
2022	Evergy Missouri West	Evergy Missouri West	Evergy Missouri West	ER-2022-0130
2022	Evergy Missouri West	Evergy Missouri West	Evergy Missouri West	ER-2022-0155
2022	Northern Natural Gas Company	Northern Natural Gas Company	Federal Energy Regulatory Commission	pending



**EVIDENCE ENTERED INTO PROCEEDINGS IN CANADA**

<b>YEAR</b>	<b>CLIENT</b>	<b>APPLICANT</b>	<b>REGULATORY BOARD</b>	<b>PROCEEDING NUMBER</b>
1999	ENMAX Corporation Power	Edmonton Power Corporation	Alberta Energy and Utilities Board	980550
2000	AltaGas Utilities Inc.	AltaGas Utilities Inc.	Alberta Energy and Utilities Board	Decision 2002-43
2001	City of Calgary	ATCO Pipelines South	Alberta Energy and Utilities Board	2000-365
2001	City of Calgary	ATCO Gas South	Alberta Energy and Utilities Board	2000-350
2001	City of Calgary	ATCO Affiliate Proceeding	Alberta Energy and Utilities Board	1237673
2001	ENMAX Corporation Power	ENMAX Corporation Power - Transmission	Alberta Department of Energy	N/A
2002	Centra Gas British Columbia	Centra Gas British Columbia	British Columbia Utilities Commission	N/A
2002	ENMAX Corporation Power	ENMAX Corporation Power - Transmission	Alberta Department of Energy	N/A
2003	AltaLink LP	AltaLink LP	Alberta Energy and Utilities Board	1279345
2003	Centra Gas Manitoba	Centra Gas Manitoba	Manitoba Public Utilities Board	N/A
2003	City of Calgary	ATCO Pipelines	Alberta Energy and Utilities Board	1292783
2003	City of Calgary	ATCO Electric-ISO Issues	Alberta Energy and Utilities Board	N/A
2003	City of Calgary	ATCO Gas	Alberta Energy and Utilities Board	1275466
2003	City of Calgary	ATCO Electric	Alberta Energy and Utilities Board	1275494
2003	Manitoba Hydro	Manitoba Hydro	Manitoba Public Utilities Board	N/A
2003	TransCanada Pipelines Limited	TransCanada Pipelines Limited	National Energy Board of Canada	RH-1-2002
2004	AltaGas Utilities Inc.	AltaGas Utilities Inc.	Alberta Energy and Utilities Board	1305995
2004	AltaLink LP	AltaLink LP	Alberta Energy and Utilities Board	1336421
2004	Central Alberta Midstream	Central Alberta Midstream	Municipal Government Board of Alberta	N/A
2004	Central Alberta Midstream	Central Alberta Midstream	Municipal Government Board of Alberta	N/A



YEAR	CLIENT	APPLICANT	REGULATORY BOARD	PROCEEDING NUMBER
2004	ENMAX Power Corporation	ENMAX Power Corporation	Alberta Energy and Utilities Board	1306819
2004	Heritage Gas Ltd.	Heritage Gas Ltd.	Nova Scotia Utility and Review Board	N/A
2004	NOVA Gas Transmission Limited	NOVA Gas Transmission Limited	Alberta Energy and Utilities Board	1315423
2004	Westridge Utilities Inc.	Westridge Utilities Inc.	Alberta Energy and Utilities Board	1279926
2005	AltaGas Utilities Inc.	AltaGas Utilities Inc.	Alberta Energy and Utilities Board	1378000
2005	ATCO Electric	ATCO Electric	Alberta Energy and Utilities Board	1399997
2005	ATCO Power	ATCO Power	Municipal Government Board of Alberta	N/A
2005	British Columbia Transmission Corporation	British Columbia Transmission Corporation	British Columbia Utilities Commission	N/A
2005	Centra Gas Manitoba	Centra Gas Manitoba	Manitoba Public Utilities Board	N/A
2005	ENMAX Power Corporation	ENMAX Power Corporation - Transmission	Alberta Energy and Utilities Board	N/A
2005	ENMAX Power Corporation	ENMAX Power Corporation - Distribution Assets	Alberta Energy and Utilities Board	1380613
2005	FortisAlberta Inc.	FortisAlberta Inc.	Alberta Energy and Utilities Board	1371998
2005	FortisAlberta Inc.	FortisAlberta Inc.	Alberta Energy and Utilities Board	N/A
2005	FortisBC, Inc.	FortisBC, Inc.	British Columbia Utilities Commission	N/A
2005	Manitoba Hydro	Manitoba Hydro	Manitoba Public Utilities Board	N/A
2005	New Brunswick Board of Commissioners of Public Utilities	New Brunswick Power Distribution and Customer Service Company	New Brunswick Board of Commissioners of Public Utilities	N/A
2005	Northland Utilities (NWT) Inc.	Northland Utilities (NWT) Inc.	Northwest Territories Utilities Board	N/A
2005	Northland Utilities (Yellowknife) Inc.	Northland Utilities (Yellowknife) Inc.	Northwest Territories Utilities Board	N/A
2005	NOVA Gas Transmission Ltd.	NOVA Gas Transmission Ltd.	Alberta Energy and Utilities Board	1375375
2005	City of Red Deer	City of Red Deer Electric System	Alberta Energy and Utilities Board	1402729



YEAR	CLIENT	APPLICANT	REGULATORY BOARD	PROCEEDING NUMBER
2005	Yukon Energy Corporation	Yukon Energy Corporation	Yukon Utilities Board	N/A
2006	AltaLink LP	AltaLink LP	Alberta Energy and Utilities Board	1456797
2006	BC Hydro	BC Hydro	British Columbia Utilities Commission	N/A
2006	Imperial Oil Resources Ventures Limited	McKenzie Valley Pipeline Project	National Energy Board of Canada	GH-1-2004
2007	Enbridge Pipelines Limited	Enbridge Pipelines Limited	National Energy Board of Canada	RH-2-2007
2007	FortisAlberta Inc.	Fortis Alberta Inc.	Alberta Energy and Utilities Board	1514140
2007	Kinder Morgan	Terasen (Jet fuel) Pipeline Limited	British Columbia Utilities Commission	N/A
2008	ATCO Electric	Yukon Electrical Company Limited	Yukon Utilities Board	N/A
2008	ATCO Gas	ATCO Gas	Alberta Utilities Commission	1553052
2008	City of Lethbridge Electric System	City of Lethbridge	Alberta Utilities Commission	N/A
2008	ENMAX Power Corporation	ENMAX Power Corporation	Alberta Utilities Commission	1512089
2008	Heritage Gas Ltd.	Heritage Gas Ltd.	Nova Scotia Utility and Review Board	N/A
2009	AltaGas Utilities Inc.	AltaGas Utilities Inc.	Alberta Utilities Commission	N/A
2009	Fortis Alberta Inc.	Fortis Alberta, Inc.	Alberta Utilities Commission	1605170
2010	ATCO Electric	ATCO Electric	Alberta Utilities Commission	1606228
2010	Enbridge Pipelines Limited- Line 9	Enbridge Pipelines Limited - Line 9	National Energy Board of Canada	N/A
2010	Gazifere	Gazifere	La Regie de L'Energie	R-3724-2010
2010	Kinder Morgan	Kinder Morgan	National Energy Board of Canada	N/A
2010	Pacific Northern Gas	Pacific Northern Gas	British Columbia Utilities Commission	N/A
2011	AltaGas Utilities Inc.	AltaGas Utilities Inc.	Alberta Utilities Commission	1606694
2011	AltaLink LP	AltaLink LP	Alberta Utilities Commission	1606895
2011	ATCO Electric	Northland Utilities (NWT) Inc.	Northwest Territories Utility Board	N/A
2011	ATCO Gas	ATCO Gas	Alberta Utilities Commission	1606822
2011	FortisAlberta Inc.	Fortis Alberta Inc.	Alberta Utilities Commission	1607159





YEAR	CLIENT	APPLICANT	REGULATORY BOARD	PROCEEDING NUMBER
2011	FortisBC Energy, Inc.	FortisBC Energy, Inc.	British Columbia Utilities Commission	3698627
2011	GazMetro	GazMetro	La Regie de L'Energie	R-3752-2011
2011	Heritage Gas Ltd.	Heritage Gas Ltd.	Nova Scotia Utility and Review Board	N/A
2011	Qulliq	Qulliq	Utilities Rates Review Council	N/A
2011	SaskPower	SaskPower	Internal Review Committee	N/A
2011	TransAlta Utilities Corporation	TransAlta Utilities Corporation	Municipal Government Board of Alberta	N/A
2012	City of Red Deer	City of Red Deer	Alberta Utilities Commission	1608641
2012	Enbridge Gas Distribution Inc.	Enbridge Gas Distribution Inc.	Ontario Energy Board	EB 2011-0345
2012	FortisBC, Inc.	FortisBC, Inc.	British Columbia Utilities Commission	3698620
2012	Manitoba Hydro	Manitoba Hydro	Manitoba Public Utilities Board	2013/2013 GRA
2012	Newfoundland and Labrador Hydro	Newfoundland and Labrador Hydro	Newfoundland and Labrador Board of Commissioners of Public Utilities	N/A
2012	Northwest Territories Power Corporation	Northwest Territories Power Corporation	Northwest Territories Public Utilities Board	N/A
2012	TransCanada Pipelines Limited	TransCanada Pipelines Limited	National Energy Board of Canada	RH-003 -2011
2013	AltaLink LP	AltaLink LP	Alberta Utilities Commission	1608711
2013	IntraGaz Incorporated	IntraGaz Incorporated	La Regie de L'Energie	R-3807-2012
2013	Yukon Electrical Company Limited (YECL)	Yukon Electrical Company Limited (YECL)	Yukon Utilities Board	2013-2015 GRA
2014	Enbridge Gas Distribution	Enbridge Gas Distribution	Ontario Energy Board	EB-2012-0459
2014	ENMAX Power Corporation	ENMAX Power Corporation	Alberta Utilities Commission	1609674
2015	AltaLink LP	AltaLink LP	Alberta Utilities Commission	Proceeding 3524
2015	EPCOR Distribution & Transmission	EPCOR Distribution & Transmission	Alberta Utilities Commission	Proceeding 20407
2015	FortisBC Energy, Inc.	FortisBC Energy, Inc.	British Columbia Utilities Commission	N/A
2015	FortisBC, Inc.	FortisBC, Inc.	British Columbia Utilities Commission	N/A



YEAR	CLIENT	APPLICANT	REGULATORY BOARD	PROCEEDING NUMBER
2015	GazMetro	GazMetro	La Regie de L'Energie	N/A
2015	Manitoba Hydro	Manitoba Hydro	Manitoba Public Utilities Board	2014/15 & 2015/16 GRA
2015	Newfoundland and Labrador Hydro	Newfoundland and Labrador Hydro	Newfoundland and Labrador Board of Commissioners of Public Utilities	N/A
2016	ATCO Electric	ATCO Electric	Alberta Utilities Commission	Proceeding 20272
2017	NALCOR	NALCOR	Newfoundland Public Utilities Board	Settled
2017	TransCanada Pipelines Limited - Mainline Facilities	TransCanada Pipelines Limited - Mainline Facilities	National Energy Board of Canada	RH-1-2018
2017	TransCanada Pipelines Limited - NGTL Facilities	TransCanada Pipelines Limited - NGTL Facilities	National Energy Board of Canada	RH-001-2019
2018	WestCoast Transmission System	WestCoast Transmission System	National Energy Board of Canada	Settled
2018	ATCO Electric	ATCO Electric	Alberta Utilities Commission	Proceeding 24195
2018	ATCO Gas	ATCO Gas	Alberta Utilities Commission	Proceeding 24188
2018	SaskEnergy Inc.	SaskEnergy Inc.	Saskatchewan Review Board	N/A
2018	SaskPower	SaskPower	Saskatchewan Review Board	N/A
2018	AltaGas Utilities Inc.	AltaGas Utilities Inc.	Alberta Utilities Commission	Proceeding 24161
2018	AltaLink LP	AltaLink LP	Alberta Utilities Commission	Proceeding 23848
2018	FortisBC Energy Inc.	FortisBC Energy Inc.	British Columbia Utilities Commission	N/A
2018	FortisBC Inc.	FortisBC Inc.	British Columbia Utilities Commission	N/A
2019	Capital Power Corporation	Capital Power Corporation	Municipal Government Board of Alberta	N/A
2019	TransAlta Corporation	TransAlta Corporation	Municipal Government Board of Alberta	N/A
2019	Trans Mountain Pipeline ULC	Trans Mountain Pipeline ULC	Canadian Energy Regulator	T260-2019-04-01
2019	NB Power	NB Power	New Brunswick Energy Utility Regulator	Pending



<b>YEAR</b>	<b>CLIENT</b>	<b>APPLICANT</b>	<b>REGULATORY BOARD</b>	<b>PROCEEDING NUMBER</b>
2019	ATCO Electric	ATCO Electric Transmission	Alberta Utilities Commission	Proceeding 24964
2020	Enbridge Pipelines Inc.	Enbridge Pipelines Inc.	Canada Energy Regulator (CER)	RH-001-2020
2021	Ontario Power Generation	Ontario Power Generation	Ontario Energy Board	N/A
2021	AltaLink L.P	AltaLink L.P	Alberta Utilities Commission	Proceeding 26059
2022	IntraGaz LP	IntraGaz LP	La Regie de L'Energie	R-4189-2022
2022	BC Hydro	BC Hydro	British Columbia Utilities Commission	Project 1599243



## 2022 DEPRECIATION STUDY

Prepared for Indiana American Water Company

Prepared March, 2023

Headquarters  
293 Boston Post Rd West, Ste 500  
Marlborough, MA, USA 01752  
508.263.6200

Washington, D.C. Office  
1300 19th St NW, Ste 620  
Washington, DC, USA 20036  
202.587.4470

Concentric Advisors, ULC  
200 Rivercrest Drive SE, Ste 277  
Calgary, AB, Canada T2C 2X5  
587.997.6489



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## SECTION 1

### 1 STUDY HIGHLIGHTS

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Pursuant to Indiana American Water’s (“INAWC” or the “Company”) request, Concentric Advisors, ULC (“Concentric”) conducted a depreciation study related to the Company’s Water Treatment, Distribution, Transmission and General Plant accounts. The purpose of the study is to determine the annual depreciation accrual rates and amounts applicable to the original cost of water utility plant, as of December 31, 2022.

The depreciation rates are based on the Straight-Line method using the Average Life Group procedure and were applied on a Remaining Life basis. The calculations were based on attained ages, estimated average service life and forecasting net salvage

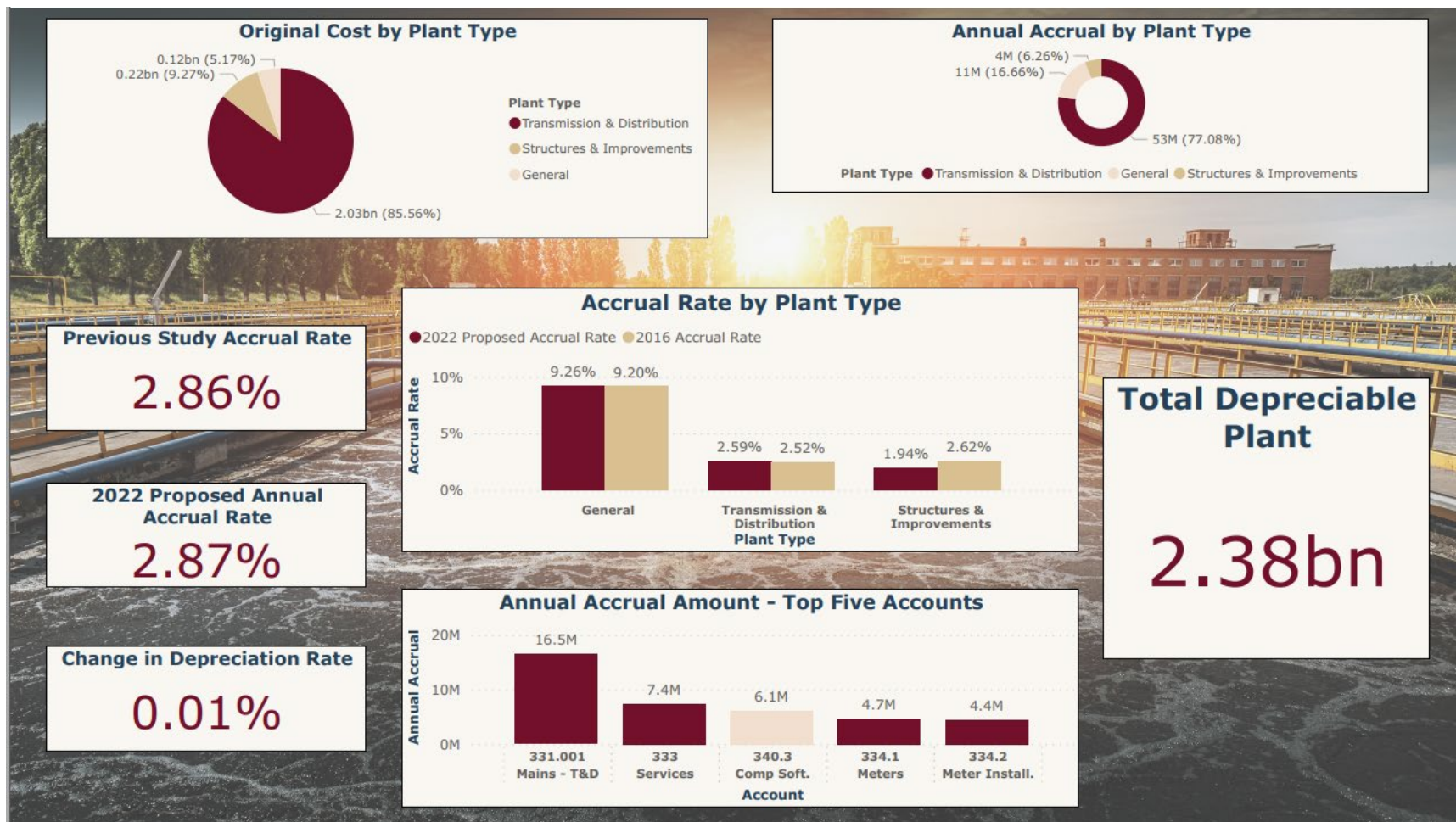
characteristics for each depreciable group of assets.

Concentric recommends the calculated annual depreciation accrual rates set forth herein apply specifically to Water Treatment, Distribution, Transmission, and General Plant assets in service, as of December 31, 2022, summarized in Table 1 on pages 5-2. Supporting data and calculations are also provided within this report.

Concentric’s study results in an annual depreciation expense accrual of \$68.37 million when applied to depreciable plant balances of \$2.37 billion, as of December 31, 2022. The report study results are summarized at an aggregate functional group level as follows:



## 1.1 Executive Summary (Power BI)





SECTION 2

**2 BASIS OF THE STUDY**

**2.1 Scope**

This study sets forth the results of the depreciation study for the common plant assets of INAWC, to determine the annual depreciation accrual rates and amounts for book purposes applicable to the original cost of investment as of December 31, 2022. The rates and amounts are based on the Straight-Line Method, incorporating the ALG Procedure applied on a Remaining Life Basis. This study also describes the concepts, methods and judgments which underlie the recommended annual depreciation accrual rates related to the INAWC assets in service, as of December 31, 2022.

The service life estimates resulting from the study were based on:

- informed professional judgment which incorporated analyses of historical plant retirement data recorded through December 31, 2022;
- a review of INAWC company practice and outlook, as they relate to plant operation and retirement; and
- consideration of current practice in the Water system industry, including knowledge of service life estimates used for other Water system companies.

The depreciation accrual rates presented herein are based on generally-accepted methods and procedures for calculating depreciation. The estimated survivor curves used in this study are based on studies incorporating actual data through 2022 for most accounts.

**2.2 Plan of Study**

The report is presented in the following order:

SECTION 1	Study Highlights presents a brief summary of the depreciation study and results
SECTION 2	Basis of the Update contains statements with respect to the plan and the basis of the study
SECTION 3	Development of the Required Depreciation Rates presents descriptions of the methods used and factors considered in the service life study
SECTION 4	Calculation of Annual and Accrued Depreciation presents the methods and procedures used in the calculation of depreciation
SECTION 5	Results of Study presents summaries by depreciable group of annual and accrued depreciation in Table 1
SECTION 6	Presents the results of the Retirement Rate Analysis
SECTION 7	Presents the results of the Net Salvage Study
SECTION 8	Presents the results of the Detailed Depreciation Calculations
SECTION 9	Estimation of Survivor Curves is an overview of Iowa curves and the Retirement Rate Analysis
SECTION 10	Estimation of Net Salvage





## 2.3 Depreciation

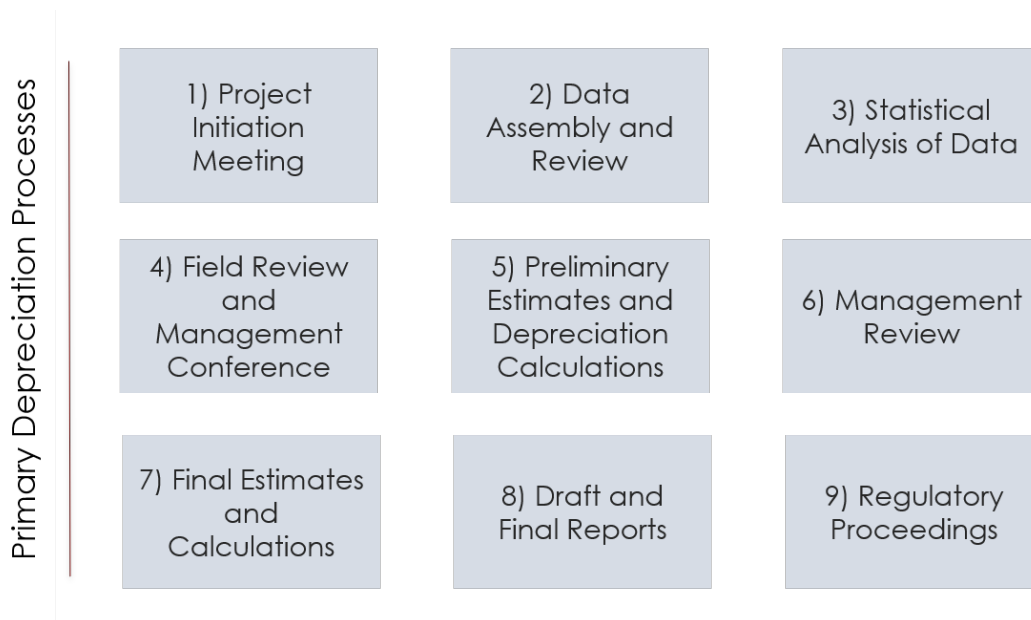
A full and comprehensive depreciation study includes the following components:

1. supported recommendations regarding Average Service Life estimates for each account;
2. supported recommendations regarding estimated Net Salvage requirements for each account;
3. selection of an appropriate grouping procedure;
4. detailed calculation of the depreciation rate utilizing the estimated Average Service Life and Net Salvage requirements; and
5. a document explaining the procedures followed and justifying the results in a format suitable for submission to senior management and regulatory authorities.

A diagram of the nine primary processes followed by Concentric in the development of the depreciation study is provided below. Each of the steps is undertaken by Concentric using proprietary software.

For most accounts, the annual and accrued depreciation were calculated by the Straight-Line Method using the ALG Procedure. For certain general plant accounts, the annual and accrued depreciation are based on amortization accounting. Both types of calculations were based on original cost, attained ages and an estimate of service lives.

Consistent with the current INAWC practice, amortization accounting continues to be recommended for certain general plant accounts because of the disproportionate plant accounting effort required in these accounts. Many regulated utilities in North America have received approval to adopt amortization accounting for these accounts.





## 2.4 Information Provided by INAWC

INAWC has provided Concentric with the required information, as of December 31, 2022 for all accounts being studied. This information has been compiled from the plant accounting records and includes the following:

- current balances by vintage year for each account (aged balances). The balances provide the amount of investment sorted by installation year currently in operation. This file is only inclusive of current plant in service and does not include any retirement information;
- detailed retirement transactions for all accounts. The transactions include information regarding the transaction year of the retirement, the installation year of the asset being retired, and the original cost of the asset being retired; and
- detailed cost of removal and gross salvage transactions for all accounts requiring the recovery of net salvage. The transactions include information regarding the transaction year of the retirement, the costs associated with the retirement, and any gross salvage proceeds from the sale or reuse of the property; and
- Accumulated Depreciation balances as of December 31, 2022 for accounts studied.

## 2.5 Data Reconciliation

The above data was reviewed and reconciled to Company control schedules to ensure accuracy and reasonableness in use of the calculations developed in this study. These checks include:

- that the surviving investment by account equals (or can be reconciled to) the Company's gross plant in service and accumulated depreciation ledger balances;
- that the surviving investment in each vintage is not negative. In other words, this check confirms that the sum of retirements from any given vintage have not exceeded the amount of plant additions to the vintage; and
- that any adjusting transactions are properly accounted for within the databases.



## SECTION 3

### 3 DEVELOPMENT OF THE REQUIRED DEPRECIATION RATES

---

#### 3.1 Depreciation

The development of the depreciation calculations requires the input of an Average Service Life, a retirement dispersion curve (“Survivor Curve” or “Iowa curve”), Net Salvage estimates, and Life Span dates for a number of accounts. (the “depreciation parameters”). Additionally, to complete the depreciation calculations, the calculation methods must be established. Specifically, the selection of the depreciation method must establish three types of additional input:

1. the choice of a depreciation method;
2. a basis upon which to apply the method, and
3. in the case of group assets, a procedure to use in grouping the assets.

In this study, the depreciation rates for INAWC have been calculated in accordance with the Straight-Line method, the ALG procedure and applied using the Remaining Life technique, with any accumulated depreciation variances trued-up over the composite remaining life of each account.

Depreciation, as applied to depreciable plant, means the loss in service value not restored by current maintenance, incurred in connection with the consumption or prospective retirement of water 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 the causes to be given consideration are wear and tear, decay, action of the elements, inadequacy, obsolescence, changes in the art and changes in demand and requirements of public authorities.<sup>1</sup>

When considering the action of the elements, the average service life and net salvage calculations have considered large catastrophic events that have occurred and impacted the life estimates of utilities across North America. The average service life of utilities has been influenced by events including:

- forest fires;
- earthquakes;
- tornadoes;
- ice storms;
- wind-storms;
- large scale flooding;
- fires;
- lightning;
- intentional actions of third parties;
- hoar frost; and
- other natural forces of nature.

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<sup>1</sup> The National Association of Railroad and Utilities Commissioners, Uniform System of Accounts for Gas Utilities.



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

The calculation of annual and accrued depreciation based on the Straight-Line method when applied to utility group accounts requires the estimation of survivor curves and is described in the following sections of this study. The development of the proposed depreciation rates also requires the selection of group depreciation procedures, as discussed below.

### 3.1.1 Study Depreciation Methods and Procedures

When more than a single item of property is under consideration, a group procedure for depreciation is appropriate because normally all of the items within a group do not have identical service lives but have lives that are dispersed over a range of time. There are two primary group procedures, namely, the Average Life Group (ALG) and Equal Life Group (ELG) procedures.

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

In the Equal Life Group Procedure, also known as the Unit Summation Procedure, the property group is subdivided according to service life. That is, each equal life group includes that portion of the property which experiences the life of that specific group. The relative size of each equal life group is determined from the property's life dispersion curve. The calculated depreciation for the property group is the summation of the calculated depreciation based on the service life of each equal life unit.

For most accounts, the annual and accrued depreciation were calculated by the Straight-Line Method using the ALG Procedure. For certain Structures & Improvements, Transmission & Distribution, and General plant accounts, the annual and accrued depreciation are based on amortization accounting. Both types of calculations were based on original cost, attained ages and an estimate of service lives.

While the Equal Life Group Procedure provides an enhanced matching of depreciation expense to the consumption of service value, the Straight-Line Method, Average Life Group Procedure is a commonly used depreciation calculation that has been widely accepted in jurisdictions throughout North America including INAWC in prior studies. Concentric recommends its continued use.

Amortization accounting is used for certain transmission and compression plant accounts because of the disproportionate plant accounting effort required in these accounts. Many regulated utilities in North America have received approval to adopt amortization accounting for these accounts. This study calculates the annual and accrued depreciation using the Straight-Line Method and ALG



Procedure for most accounts. For certain general plant accounts, the annual and accrued depreciation are based on amortization accounting. Both types of calculations were based on original cost, attained ages and estimates of service lives.

Continued monitoring and maintenance of the accumulated depreciation reserve at the account level is recommended. Concentric has determined an amortization amount to correct the present variance with the calculated accrued depreciation (theoretical reserve) over the composite remaining life of each account.

### 3.1.2 Changes Since Last INAWC Full Depreciation Study

The depreciation rates calculated in this study were calculated on the same manner as used in the prior full depreciation study – i.e. using the straight-line method, the ALG Procedure applied on a remaining life basis. The vintaged remaining life approach weighs the calculations of remaining life on an allocation of the actual book accumulated depreciation account by the Calculated Accumulated Depreciation (CAD) factor determined for each vintage of plant in service. This method is described as a CAD weighted calculation in the textbook Depreciation Systems by Frank K. Wolf and W. Chester Fitch, published by the Iowa State University in 1994 under the title “Adjustments” within the Broad Group Model.

When depreciation rates are calculated utilizing a remaining life technique, the depreciation rate is established by dividing the undepreciated value of each group of assets (after consideration to the net salvage requirements) by the composite remaining life of the group of assets. This calculation is made for each vintage surviving investment as of the date of the study (December 31, 2022), and then composited into a calculation for the account or group as a whole. This calculation requires two estimates:

1. The actual booked accumulated depreciation for each vintage within each account.

INAWC does not track the booked accumulated depreciation reserve by vintage within each account. Rather the depreciation expense is calculated at an account level and booked to accumulated depreciation at the same account level. Concentric notes that this is the practice employed by virtually all regulated utilities. As such, the accumulated depreciation by account is allocated within the account to each vintage, on the basis of the calculated accumulated depreciation by vintage. The calculated accumulated depreciation is a function of the estimated survivor curve, the average service life estimate, the net salvage estimates and the achieved age of each vintage.

2. The estimated remaining life of each vintage with each account. The estimated remaining life of each vintage is a direct function of the achieved age of each vintage, the estimated survivor curve and the average service life estimate.

Once the above two estimates are determined (the allocated booked reserve by vintage and the average remaining life of each vintage), an annual accrual requirement for each vintage is determined by dividing the net book value for each vintage (considering the estimated future salvage requirements) by the average remaining life of the vintage. The annual requirement for each vintage



is summed at the account level and divided into the sum of the accounts original cost surviving as of December 31, 2022.

This process results in each vintage's calculated net book value to be depreciated over an appropriate remaining life. This vintage weighting on CAD approach to the remaining life calculations is widely considered to be the most accurate. Concentric agrees and views this methodology as the correct and most appropriate calculation.

### 3.1.3 Survivor Curves

The use of an average service life or 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 plotting the number of units which survive at successive ages using the retirement rate method of analysis.

The range of survivor characteristics usually experienced by utility and industrial properties is encompassed by a system of generalized survivor curves known as the Iowa type curves. The Iowa curves “...were sorted into three groups according to whether the mode was to the left, approximately coincident with, or to the right of the average-life ordinate. The curves in each of these three groups were then sub-classified in accordance with the height of the mode, taking also into consideration the distance of the mode to the left or right of the average life.”<sup>2</sup> The Iowa curves are described as L-type (i.e. left-moded), R-type (i.e. right-moded), and S-type (i.e. symmetrical). Further development resulted in the introduction of O-type (i.e. origin-moded curves) where the greatest frequency of retirement occurs at the origin, or immediately after age zero. Individual type curves are further depicted with numerical subscripts which represent the relative heights of the modes of the frequency curves within each family.

The program that is used by Concentric for statistical smooth curve fitting utilizes an internal “goodness-of-fit” criterion known as the Residual Measure. This Residual Measure is based on a least squares solution of the differences between the stub curve (or original data points) and smooth survivor curve which also requires a balancing of the differences above and below the stub curve.

The criterion of goodness-of-fit is the mean square of the differences between the points on the stub and fitted smooth survivor curves. The residual measure, or standard error of estimate, shown in the output format is the square root of this mean square. As such, the lower the Residual Measure the better the statistical fit between the analyzed Iowa curve and the observed data points. Concentric follows the widely used practice of fitting Iowa curves up to one percent of the maximum exposures. This standard practice is utilized to minimize the influence of typically small retirements applied to similarly small exposures which may unduly affect the Iowa curve fitting process. However, Concentric will recognize the observed data points beyond the one percent of maximum exposures if it is determined that the additional data is a valid consideration for life recommendation.

A discussion of the general concept of survivor curves and retirement rate method is presented in Section 9.

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<sup>2</sup> Robley Winfrey, Statistical Analyses of Industrial Property Retirements, Bulletin 125 revised (Engineering Research Institute, Iowa State University, 1935) 65



### 3.1.4 Survivor Curve and Net Salvage Judgments

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

The procedure for estimating service lives consisted of compiling historical data for the plant accounts or depreciable groups, analyzing this history through the use of widely accepted techniques, and forecasting the survivor characteristics for each depreciable group on the basis of interpretations of the historical data and the probable future. The forecasting of a probable future included management and operational staff interviews. The combination of the historical experience and the probable future yielded estimated survivor curves from which the average service lives were derived.

The resultant depreciation rates are summarized in the applicable tables of this study (Section 5). The depreciation rates should be reviewed periodically to reflect the changes that result from plant and reserve account activity. A depreciation reserve deficiency or surplus will develop if future capital expenditures vary significantly from those anticipated in this study.

The estimates of net salvage for the mass property accounts were based mostly in part on historical data related to actual retirement activity for the years 1975 through 2022, for most accounts. Gross salvage and cost of removal as recorded to the depreciation reserve account and related to experienced retirements were used. Concentric notes the data from the previous depreciation consultant was used and considered in the historic net salvage analysis, but more relevancy was placed on the more recent data from 2017 through 2022 provided directly to Concentric by INAWC. Percentages of the cost of plant retired were calculated for each component of net salvage on an annual, three-year, five-year, and on a cumulative moving average basis.

The following discussion, dealing with a number of accounts which comprise the majority of the investment analyzed, presents an overview of the factors considered by Concentric in the determination of the average service life and net salvage estimates. The survivor curve estimates for the remainder of the accounts not discussed in the following sections were based on similar considerations.

ACCOUNT 304.20 – STRUCTURES AND IMPROVEMENTS – POWER AND PUMPING &  
ACCOUNT 304.30 – STRUCTURES AND IMPROVEMENTS – WATER TREATMENT

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$ 160,355,243	6.75%	75-\$0	75-\$0	-25%	-25%

The investment in Structures and Improvements – Power and Pumping is approximately \$27 million representing 1.15 percent of the total depreciable plant studied. The current approved life parameter



for this account is an Iowa 75-S0. The investment in Structures and Improvements – Water Treatment is approximately \$133 million representing 5.60 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 75-S0. The retirements, additions and other plant transactions, for the period 1885 through 2022, were analyzed by the retirement rate method. Retirements of \$15,074,723 were recorded for the period 1958 through 2022. The currently approved and proposed Iowa 75-S0 has a related Residual Measure of 0.5439 as depicted on page 6-2 of this report. Discussions with INAWC operational staff indicated that the 75-S0 is still indicative of the investment in this account. Peer comparison of American water utilities produced a range from 50 to 80 years. Based on the above discussion and considerations, and on Concentric’s experience, the Iowa 75-S0 is still a reasonable expectation for the investment in this account. As such, Concentric recommends the Iowa 75-S0 to represent the future expectations for the investment in this account.

As in previous depreciation studies, the net salvage calculations for Accounts 304.2 and 304.3 were combined with the analysis for all accounts between 304.1 and 304.5. The first year of recorded net salvage activity for these accounts is 1975. The currently approved net salvage percentage is negative 25 percent. For the period 1975 to 2022, the net salvage ranged from positive 70 percent to over negative 1,000 percent with a cumulative value of negative 45 percent. A three-year band analysis from 1977 forward produced a range from positive seven percent to negative 204 percent. A five-year band analysis from 1979 forward indicates a range between negative nine percent to negative 113 percent. A peer comparison of American utilities indicated a range from negative 10 percent to negative 25 percent. Based on historical indications and the review of peer water utilities, Concentric views that negative 25 percent still best represents the net salvage expectation for the equipment in these accounts.

ACCOUNT 306.00 – TRANSMISSION AND DISTRIBUTION – LAKE, RIVER, AND OTHER INTAKES

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$51,403,660	2.16%	65-S0.5	65-S1	0%	-10%

The investment in Transmission and Distribution - Lake, River, and Other Intakes is approximately \$51.4 million representing 2.16 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 65-S0.5. The retirements, additions and other plant transactions, for the period 1904 through 2022, were analyzed by the retirement rate method. Retirements of \$2,169,671 were recorded for the period 1979 through 2020. The currently approved life parameter is an Iowa 65-S0.5 with a related Residual Measure of 0.5635. Discussions with INAWC operational and SMEs indicated that the Iowa 65-S1 with a Residual Measure of 0.4609 depicted on page 6-30 of this report is more indicative of the activity of this account. Peer comparison of American water utilities produced a range from 40 to 70 years. Based on the above discussion and considerations, and on Concentric’s experience, the Iowa 65-S1 is a reasonable expectation for the investment in this account. As such, Concentric recommends the Iowa 65-S1 to represent the future expectations for the investment in this account.





The first year of recorded net salvage activity for this account is 1977. The currently approved net salvage is 0 percent. For the period 1977 to 2022, this account has shown a wide range in historical net salvage activity. The range has been from negative 25 percent to over negative 500 percent. A three-year band analysis from 1979 forward produced a range from zero percent to over negative 1,000 percent. A five-year band analysis ranges from over negative seven percent to over negative 1000 percent. A peer comparison of American utilities indicated a range from zero percent to negative 20 percent. Based on historical indications and the review of American water utilities, Concentric views that negative 10 percent better represents the net salvage expectation for the investment in this account.

**ACCOUNT 311.20 – PUMPING EQUIPMENT – ELECTRIC**

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$40,685,730,703	1.71%	40-R1	40-R1	-10%	-5%

The investment in Electric Pumping Equipment is approximately \$40.6 million representing 1.71 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 40-R1. The retirements, additions and other plant transactions, for the period 1902 through 2022, were analyzed by the retirement rate method. Retirements of \$14,829,507 were recorded for the period 1958 through 2022. The currently approved and proposed Iowa 40-R1 has a related Residual Measure of 0.3411, as depicted on page 6-51 of this report. Discussions with INAWC operational staff indicated the Iowa 40-R1 is still a good fit for this account. Peer comparison of American utilities produced a range from 40 to 55 years. Therefore, based on the above discussion and on Concentric's experience, Concentric recommends the Iowa 40-R1 to continue to best represent the investment in this account.

The first year of recorded net salvage activity for this account is 1975. The currently approved net salvage is negative 10 percent. For the period 1975 to 2022, this account has shown a wide range in historical net salvage activity. The range has been from positive three percent to negative nine percent. A three-year band analysis from 1977 forward produced a range from positive percent to negative 33 percent. A five-year band analysis ranges from positive six percent to negative 26 percent. A peer comparison of American utilities indicated a range from negative 10 percent to negative 15 percent. Based on historical indications and the review of American water utilities, Concentric views that a slight change to negative 5 percent best represents the net salvage expectation for the investment in this account.

**ACCOUNT 320.10 – WATER TREATMENT EQUIPMENT – NON-MEDIA**

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$144,146,931	6.07%	45-R1	45-R1	-25%	-30%

The investment in Water Treatment Equipment – Non-Media is approximately \$144 million representing 6.07 percent of the total depreciable plant studied. The current approved life parameter



for this account is an Iowa 45-R1. The retirements, additions and other plant transactions, for the period 1885 through 2022, were analyzed by the retirement rate method. Retirements of \$22,948,726 were recorded for the period 1966 through 2022. The currently approved and proposed Iowa 45-R1 has a related Residual Measure of 0.182 as depicted on page 6-72 Discussions with INAWC operational staff indicate the Iowa 45-R1 is still the best fit for this account. Peer comparison of American utilities produced a range from 30 to 55 years. Based on the above comments and Concentric’s experience, the Iowa 45-R1 is recommended for this account moving forward.

As in previous depreciation studies, the net salvage calculation analysis for Account 320.10 was combined with the analysis for Account 320.19. The first year of recorded net salvage activity for this account is 1975. The currently approved net salvage is negative 25 percent. For the period 1975 to 2022, the net salvage ranged from positive 16 percent to over negative 500 percent with a cumulative value of negative 33 percent. A three-year band analysis from 1977 forward indicates a range from positive five percent to negative 86 percent. A five-year band analysis from 1979 forward shows a range from negative three percent to negative 83 percent. A peer comparison of American utilities indicated a range from negative 10 percent to negative 30 percent. Based on historical indications and the review of American water utilities, Concentric views that negative 30 percent best represents the net salvage expectation for the equipment in this account.

ACCOUNT 320.19 – WATER TREATMENT EQUIPMENT – BASIN, CLEARWELL

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
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\$66,077,094	2.78%	45-R1.5	45-R2.5	-25%	-30%
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The investment in Water Treatment Equipment – Basin, Clearwell is approximately \$66 million representing 2.78 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 45-R1.5. The retirements, additions and other plant transactions, for the period 1953 through 2022, were analyzed by the retirement rate method. Retirements of \$2,948,592 were recorded for the period 2003 through 2021. The currently approved Iowa 45-R1.5 has a related Residual Measure of 0.5037. The proposed Iowa 45-R2.5 presents a better visual fit with a Residual Measure of 0.2177 as depicted on page 6-75. Discussions with INAWC operational staff indicate the Iowa 45-R2.5 is more indicative of the investment in this account. Peer comparison of American utilities produced a range from 27 to 45 years. Based on the above comments and Concentric’s experience, the Iowa 45-R2.5 is recommended to represent this account moving forward.

As in previous depreciation studies, the net salvage calculation analysis for Account 320.10 was combined with the analysis for Account 320.19. The first year of recorded net salvage activity for this account is 1975. The currently approved net salvage is negative 25 percent. For the period 1975 to 2022, the net salvage ranged from positive 16 percent to over negative 500 percent with a cumulative value of negative 33 percent. A three-year band analysis from 1977 forward indicates a range from positive five percent to negative 86 percent. A five-year band analysis from 1979 forward shows a range from negative three percent to negative 83 percent. A peer comparison of American utilities indicated a range from negative 10 percent to negative 30 percent. Based on historical indications



and the review of American water utilities, Concentric views that negative 30 percent best represents the net salvage expectation for the equipment in this account.

**ACCOUNT 330.00 – DISTRIBUTION RESERVOIRS AND STANDPIPES**

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$64,235,360	2.70%	60-S0	60-S0	-30%	-30%

The investment in Distribution Reservoirs and Standpipes is approximately \$64 million representing 2.7 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 60-S0. The retirements, additions and other plant transactions, for the period 1891 through 2022, were analyzed by the retirement rate method. Retirements of \$11,625,858 were recorded for the period 1968 through 2022. The currently approved and proposed Iowa 60-S0 has a related Residual Measure of 0.5201 as depicted on page 6-80. Discussions with INAWC operational staff indicate the Iowa 60-S0 is still the best fit for this account. Peer comparison of American utilities produced a range from 35 to 70 years. Based on the above comments and Concentric’s experience, the Iowa 60-S0 is still recommended for this account moving forward.

The first year of recorded net salvage activity for this account is 1976. The currently approved net salvage is negative 30 percent. For the period 1976 to 2022, this account has shown a wide range in historical net salvage activity. The range has been from negative eight percent to over negative 300 percent. A three-year band analysis from 1978 forward produced a range from positive nine percent to over negative 300 percent. A five-year band analysis ranges from positive seven percent to over negative 100 percent. A peer comparison of American utilities indicated a range from negative 10 percent to negative 30 percent. Based on historical indications and the review of American water utilities, Concentric views that negative 30 percent still best represents the net salvage expectation for the investment in this account.

**ACCOUNT 331.001 – MAINS – TRANSMISSION AND DISTRIBUTION**

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$990,725,981	41.71%	105-R2	105-R2	-75%	-70%

The assets in this account relate to all Transmission and Distribution mains in the INAWC system. The investment in Mains – Transmission and Distribution is approximately \$990 million representing 41.71 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 105-R2. The retirements, additions and other plant transactions, for the period 1865 through 2022, were analyzed by the retirement rate method. Retirements of \$27,985,532 were recorded for the period 1923 through 2022. The currently approved and proposed Iowa 105-R2 has a related Residual Measure of 0.4748, which can be seen on page 6-84 of this report. Peer comparison of American utilities produced a range from 70 to 105 years. As such, the Iowa 105-R2 is recommended for this account based on the fit to historic data, the review of American peer water utilities, and on Concentric’s experience.



The first year of recorded net salvage activity for this account is 1975. The currently approved net salvage is negative 75 percent. For the period 1975 to 2022, this account has shown a wide range in historical net salvage activity. The range has been from nine percent to negative 103 percent. A three-year band analysis from 1977 forward produced a range from positive 59 percent to negative 235 percent. A five-year band analysis ranges from positive 60 percent to negative 181 percent. A peer comparison of American utilities indicated a range from negative 10 percent to negative 75 percent. Based on historical indications and the review of American water utilities, Concentric views that a slight increase to negative 70 percent best represents the net salvage expectation for the investment in this account.

ACCOUNT 333.00 – SERVICES

Investment \$	Investment %	Previously Approved Curves	Concentric Recommends Curves	Previously Approved Salvage	Concentric Recommends Salvage
\$224,428,236	9.45%	75-R2.5	75-R2.5	-150%	-125%

The investment in Services is approximately \$224 million representing 9.45 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 75-R2.5. The retirements, additions and other plant transactions, for the period 1900 through 2022, were analyzed by the retirement rate method. Retirements of \$11,041,332 were recorded for the period 1930 through 2022. The currently approved and proposed Iowa 75-R2.5 has a related Residual Measure of 0.2749, which is depicted on page 6-92. Peer comparison of American utilities produced a range from 52 to 75 years. Therefore, based on the above discussion and on Concentric's experience, the Iowa 75-R2.5 is still recommended to best suit the investment in this account moving forward.

The first year of recorded net salvage activity for this account is 1975. The currently approved net salvage is negative 150 percent. For the period 1975 to 2022, this account has shown a wide range in historical net salvage activity. The range has been from over negative 200 percent to over negative 900 percent. A three-year band analysis from 1977 forward produced a range from over negative 100 percent to over negative 1000 percent. A five-year band analysis ranges from over negative 100 percent to over negative 1000 percent. A peer comparison of American utilities indicated a range from negative 75 percent to negative 150 percent. Based on historical indications and the review of American water utilities, Concentric views that a reduction to negative 125 percent best represents the net salvage expectation for the investment in this account.

ACCOUNT 334.10 – METERS

Investment \$	Investment %	Previously Approved Curves	Concentric Recommends Curves	Previously Approved Salvage	Concentric Recommends Salvage
\$40,586,366	1.71%	23-\$1.5	15-\$1.5	-20%	-15%

The investment in Meters is approximately \$40.6 million representing 1.71 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 23-\$1.5.



The retirements, additions and other plant transactions, for the period 1900 through 2022, were analyzed by the retirement rate method. Retirements of \$6,135,403 were recorded for the period 2009 through 2022. The currently approved Iowa 23-S1.5 has a related Residual Measure of 1.8237. The proposed Iowa 15-S1.5 has a fit of 1.3174 which is depicted on page 6-97. Peer comparison of American utilities produced a range from 20 to 40 years. Therefore, based on the above discussion and on Concentric’s experience, the Iowa 15-S1.5 is recommended to best suit the investment in this account moving forward.

As in previous depreciation studies, the net salvage calculation analysis for Account 334.1 was combined with the analysis for Accounts 334.11, 334.12, and 334.13. The first year of recorded net salvage activity for this account is 1982. The currently approved net salvage is negative 20 percent. For the period 1982 to 2022, the historical net salvage ranged from positive 22 percent to negative 23 percent. A three-year band analysis shows a range from positive 15 percent to negative 45 percent. A five-year band analysis indicates a range from positive 10 percent to negative 44 percent. A peer comparison of American utilities indicated a range from negative 10 percent to negative 50 percent. Based on historical indications and the review of American water utilities, Concentric views that negative 15 percent better represents the net salvage expectation for the equipment in this account.

ACCOUNT 334.11 – METERS – BRONZE CASE

Investment \$	Investment %	Previously Approved Curves	Concentric Recommends Curves	Previously Approved Salvage	Concentric Recommends Salvage
\$29,463,791	1.24%	16-L2	15-R1.5	-20%	-15%

The investment in Meters – Bronze Case is approximately \$29 million representing 1.24 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 16-L2. The retirements, additions and other plant transactions, for the period 1900 through 2022, were analyzed by the retirement rate method. Retirements of \$16,767,106 were recorded for the period 1924 through 2022, resulting in actual observed data points as depicted on page 6-99 of this report. The currently approved 16-L2 has a related Residual Measure of 0.7765 and the proposed Iowa 15-R1.5 has a Residual Measure of 0.7728. Concentric recommends the Iowa 15-R1.5 to represent the investment in this account moving forward.

As in previous depreciation studies, the net salvage calculation analysis for Account 334.11 was combined with the analysis for Accounts 334.1, 334.12, and 334.13. The first year of recorded net salvage activity for this account is 1982. The currently approved net salvage is negative 20 percent. For the period 1982 to 2022, the historical net salvage ranged from positive 22 percent to negative 23 percent. A three-year band analysis shows a range from positive 15 percent to negative 45 percent. A five-year band analysis indicates a range from positive 10 percent to negative 44 percent. A peer comparison of American utilities indicated a range from negative 10 percent to negative 50 percent. Based on historical indications and the review of American water utilities, Concentric views that negative 15 percent better represents the net salvage expectation for the equipment in this account.



ACCOUNT 334.20 – METER INSTALLATIONS

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$84,981,232	3.58%	65-R2.5	40-R3	-50%	-25%

The investment in Meter Installations is approximately \$85 million representing 3.58 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 65-R2.5. The retirements, additions and other plant transactions, for the period 1902 through 2022, were analyzed by the retirement rate method. Retirements of \$7,274,360 were recorded for the period 1943 through 2022. The currently approved 65-R2.5 has a related Residual Measure of 0.8362 and the proposed Iowa 40-R3 has a Residual Measure of 2.4795 as seen on page 6-109. Discussions with INAWC indicate that the assets within this account relate primarily to meter setting and meter vault installations, and are expected to have a life of approximately 40 years. As such, and based on Concentric’s experience with American water utilities, a life of 40-R3 is recommended for this account.

The first year of recorded net salvage activity for this account is 1975. The currently approved net salvage is negative 50 percent. For the period 1975 to 2022, the historical net salvage ranged from negative 55 percent to negative 219 percent. A three-year band analysis indicates a range of values from negative 16 percent to over negative 300 percent. A five-year band analysis indicates a range from negative 23 percent to negative 285 percent. A peer comparison of American utilities indicated a range from negative 10 percent to negative 50 percent. Based on historical indications and the review of American water utilities, Concentric views that negative 25 percent better represents the net salvage expectation for the equipment in this account.

ACCOUNT 334.30 – METER VAULTS

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$38,861,864	1.64%	40-L2.5	40-S0.5	-30%	-30%

The investment Meter Vaults is approximately \$38 million representing 1.64 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 10-L3. The retirements, additions and other plant transactions, for the period 1990 through 2022, were analyzed by the retirement rate method. Retirements of \$2,937,226 were recorded for the period 2009 through 2022, resulting in actual observed data points as depicted on page 6-115 of this report. The current Iowa 40-L2.5 has a related Residual Measure of 1.1486, compared with the proposed Iowa 40-S0.5 with a Residual Measure of 0.9159. However, considering discussions with INAWC operational staff and historical indications, along with Concentric’s experience, Concentric recommends the Iowa 40-S0.5 to better represent the investment in this account moving forward.

The first year of recorded net salvage activity for this account is 2007. The currently approved net salvage is negative 30 percent. For the period 2007 to 2022, this account has shown a wide range in



historical net salvage activity. The range has been from negative 94 percent to over negative 1000 percent. A three-year band analysis from 2009 forward produced a range from negative 70 percent to over negative 1000 percent. A five-year band analysis ranges from negative 70 percent to over negative 500 percent. A peer comparison of American utilities indicated a range from negative 20 percent to negative 30 percent. Based on historical indications and the review of American water utilities, Concentric views that negative 30 percent still best represents the net salvage expectation for the investment in this account.

ACCOUNT 335.00 – FIRE HYDRANTS

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$93,746,843	3.95%	62-R2	65-R2	-50%	-50%

The investment in Fire Hydrants is approximately \$93 million representing 3.9 percent of the total depreciable plant studied. The currently approved life parameter for this account is an Iowa 62-R2. The retirements, additions and other plant transactions, for the period 1885 through 2022, were analyzed by the retirement rate method. Retirements of \$6,339,901 were recorded for the period 1956 through 2022, resulting in actual observed data points as depicted on page 6-117 of this report. The current Iowa 62-R2 has a related Residual Measure of 1.7457, which does not fit the historical data as well as the proposed Iowa 65-R2 with a Residual Measure of 0.4215. Peer comparison of American utilities produced a range from 45 to 70 years. Based on the above discussion and Concentric’s experience, the Iowa 65-R2 is recommended to best represent the investment in this account moving forward.

The first year of recorded net salvage activity for this account is 1975. The currently approved net salvage is negative 50 percent. For the period 1975 to 2022, the historical net salvage activity ranged from positive 145 percent to negative 171 percent. A three-year band analysis from 1977 forward produced a range from positive one percent to negative 350 percent. A five-year band analysis ranges from negative four percent to negative 309 percent. A peer comparison of American utilities indicated a range from negative 20 percent to negative 50 percent. Based on historical indications and the review of American water utilities, Concentric views that negative 50 percent continues to best represent the net salvage expectation for the equipment in this account.

OTHER ACCOUNTS

The above analysis provides the consideration relating to over 85 percent of the depreciable plant. Many of the accounts related to the remaining 15 percent of the depreciable plant studied as of December 31, 2022, are subjected to amortization accounting. This is proposed for a number of accounts that represent numerous units of property, but very small portions of depreciable water plant in service.



## SECTION 4

## 4 CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION

### 4.1 Calculation of Annual and Accrued Amortization

Amortization is the gradual extinguishment of an amount in an account by distributing such amount over a fixed period, over the life of the asset or liability to which it applies, or over the period during which it is anticipated the benefit will be realized. Normally, the distribution of the amount is in equal amounts to each year of the amortization period.

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

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

Account	Title	Amortization Period-Years
304.301	DPR Paint	40
304.302	Painting	40
304.31	Handl	40
304.312	WH Repaint	25
304.39	Mixing	40
304.391	Purification	40
304.392	Wash Tank	40
304.62	Leasehold	25
330.01	Tank Repainting	25
330.02	Tank Original Painting	25
333.1	Replaced Customer Lead Services	75
339.30	Misc. Intangible Plant - Treatment	25
339.50	Misc. Intangible Plant – T&D	15
339.60	Misc. Intangible Plant - CPS	5
340.10	Office Furniture	20
340.21	Computer & Periphery - Mainframe	5
340.22	Computer & Periphery – Personal	5
340.23	Computer & Periphery – Other	5
340.30	Computer Software	10





340.31	Computer Software – Mainframe	6
340.25	Computer Software – Customized	5
340.33	Computer Software – Other	5
342.00	Stores Equipment	25
343.00	Tools, Shop, and Garage Equipment	25
344.00	Laboratory Equipment	25
346.00	Communication Equipment – Not Classified	15
346.10	Communication Equipment – Non-Telephone	15
346.19	Remote Control & Instrument	15
346.20	Communication Equipment – Telephone	15
347.00	Miscellaneous Equipment	20

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

#### 4.2 Monitoring of Book Accumulated Depreciation

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

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

$$Composite\ Remaining\ Life = \frac{\sum \left( \frac{Book\ Cost}{Life} \times Remaining\ Life \right)}{\sum \frac{Book\ Cost}{Life}} \quad (1)$$

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



$$\text{Composite Remaining Life} = \frac{\sum \text{Whole Life Future Accruals}}{\sum \text{Whole Life Annual Accrual}} \quad (2)$$

OR

$$\text{Composite Remaining Life} = \frac{\sum \text{BookCost} - \text{Calc. Reserve}}{\sum \text{Whole Life Annual Accrual}} \quad (3)$$



SECTION 5

## 5 RESULTS OF THE STUDY

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### 5.1 Qualification of Results

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

### 5.2 Description of Detailed Tabulations

The following tables provides summaries by account of the original cost of investment, booked accumulated depreciation amounts, the required amount of annual depreciation expense, the required depreciation rate to be applied against the original cost of the account and the estimated composite remaining life of the surviving plant in service.

The detailed calculations of annual depreciation applicable to depreciable assets, as of December 31, 2022, are presented in account sequence starting in Section 5 – Page 5-2. The tables indicate the estimated average survivor curves used in the calculations. The tables set forth (for each installation year) the original cost, calculated accrued depreciation and the calculated annual accrual.

**Indiana American Water Company**

**TABLE 1 - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022  
DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT  
TOTAL**

Account (1)	Account Description (2)	Truncation Date (3)	Survivor Curve (4)	Net Salvage (5)	Investment Percentage (6)	Original Cost as of Dec. 31, 2022 (7)	Book Depreciation Reserve (8)	Future Accruals (9)	Annual Accrual Amount (10)	Annual Accrual Rate (11)	Composite Remaining Life (12)
<b>Structures and Improvements</b>											
304.1	Source of Supply		45-R1	-25%	0.67%	15,951,039	-260,507	20,199,305	544,606	3.41%	38.52
304.2	Power and Pumping		75-S0	-25%	1.15%	27,333,828	14,308,759	19,858,526	329,142	1.20%	58.42
304.3	Water Treatment		75-S0	-25%	5.60%	133,021,414	31,345,206	134,931,562	2,018,898	1.52%	65.88
304.301	DPR Paint		40-SQ	0%	0.01%	197,248	197,248	0	0	0.00%	0.00
304.302	Painting		40-SQ	0%	0.05%	1,213,319	1,022,691	190,628	5,516	0.45%	2.79
304.31	Handl		40-SQ	0%	0.20%	4,799,864	1,587,387	3,212,477	121,137	2.52%	1.54
304.312	WH Repaint		25-SQ	0%	0.00%	5,086	1,562	3,523	306	6.02%	1.50
304.39	Mixing		40-SQ	0%	0.00%	28,662	12,376	16,286	526	1.84%	4.55
304.391	Purification		40-SQ	0%	0.03%	741,553	69,529	672,025	20,461	2.76%	7.91
304.392	Wash Tank		40-SQ	0%	0.01%	125,395	8,048	117,347	3,215	2.56%	11.50
	<b>Total Water Treatment</b>					<b>183,417,410</b>	<b>48,292,300</b>	<b>179,201,680</b>	<b>3,043,807</b>	<b>1.66%</b>	
304.4	Transmission and Distribution		40-S0.5	-25%	0.22%	5,217,856	1,908,869	4,613,451	148,420	2.84%	30.61
304.5	General		35-S1	-25%	0.53%	12,598,945	1,094,140	14,654,541	521,098	4.14%	23.68
304.6	Office Buildings		30-S0	-15%	0.16%	3,851,977	779,094	3,650,680	156,407	4.06%	23.56
304.61	HVAC		30-R2.5	-5%	0.18%	4,159,226	-117,431	4,484,618	155,422	3.74%	28.93
304.62	Leasehold		25-SQ	0%	0.01%	172,832	-10,399	183,231	14,889	8.61%	15.16
304.7	Shop and Garage		60-S1	-20%	0.38%	9,079,745	3,406,410	7,489,284	176,954	1.95%	41.99
304.8	Miscellaneous		40-L1	-10%	0.07%	1,603,865	-79,143	1,843,394	57,827	3.61%	34.84
	<b>Total Structures and Improvements</b>					<b>220,101,856</b>	<b>55,273,839</b>	<b>216,120,881</b>	<b>4,274,824</b>	<b>1.94%</b>	
<b>Transmission and Distribution</b>											
305	Collecting and Impounding Reservoirs		95-R3	-10%	0.44%	10,461,627	3,942,940	7,564,850	138,079	1.32%	56.32
306	Lake, River, and Other Intakes		65-S1	-10%	2.16%	51,403,660	16,792,196	39,751,830	869,608	1.69%	45.71
	<b>Total Lake, River, and Other Intakes</b>					<b>61,865,287</b>	<b>20,735,136</b>	<b>47,316,680</b>	<b>1,007,687</b>	<b>1.63%</b>	
307	Wells and Springs		40-R0.5	-10%	0.86%	20,458,016	5,349,375	17,154,442	541,248	2.65%	31.36
308	Infiltration Galleries and Tunnels		65-R2.5	-5%	0.00%	71,671	27,459	47,795	834	1.16%	43.88
309	Supply Mains		80-R2	-20%	0.70%	16,667,423	5,707,459	14,293,449	217,844	1.31%	64.47
310	Power Generation Equipment		40-R2	-10%	0.58%	13,665,481	3,504,604	11,527,425	376,728	2.76%	30.61
<b>Pumping Equipment</b>											
311.2	Pumping Equipment - Electric		40-R1	-5%	1.71%	40,685,730	27,038,945	15,681,072	515,715	1.27%	26.04
311.3	Pumping Equipment - Diesel		35-S0	-5%	0.03%	623,295	393,192	261,268	13,063	2.10%	18.18
311.4	Pumping Equipment - Hydraulic		40-R2.5	-5%	0.01%	134,083	24,007	116,780	3,540	2.64%	33.04
311.5	Pumping Equipment - Other		36-R1.5	-15%	0.25%	6,018,497	-465,815	7,387,086	254,196	4.22%	31.99
311.52	Pumping Equipment - SOS & Pumping		36-R1.5	-10%	0.33%	7,858,453	1,733,782	6,910,516	257,187	3.27%	26.94

**Indiana American Water Company**

**TABLE 1 - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022  
DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT  
TOTAL**

Account	Account Description	Truncation Date	Survivor Curve	Net Salvage	Investment Percentage	Original Cost as of Dec. 31, 2022	Book Depreciation Reserve	Future Accruals	Annual Accrual Amount	Annual Accrual Rate	Composite Remaining Life
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
311.53	Pumping Equipment - Water Treatment		36-R1.5	-10%	0.15%	3,630,036	40,305	3,952,734	114,701	3.16%	34.57
311.54	Pumping Equipment - Transmission & Distribution		36-R1.5	-10%	0.04%	980,418	168,302	910,157	32,894	3.36%	28.01
<b>Total Pumping Equipment</b>						<b>59,930,511</b>	<b>28,932,718</b>	<b>35,219,613</b>	<b>1,191,296</b>	<b>1.99%</b>	
<b>Water Treatment Equipment</b>											
320.1	Water Treatment Equipment - Non-Media		45-R1	-30%	6.07%	144,146,931	48,899,007	138,492,003	3,756,107	2.61%	35.76
320.19	Water Treatment Equipment - Basin, Clearwell		45-R2.5	-30%	2.78%	66,077,094	13,085,022	72,815,200	1,932,109	2.92%	37.75
320.2	Water Treatment Equipment - Filter Media		10-S0.5	-10%	0.24%	5,617,100	2,368,434	3,810,376	796,962	14.19%	5.13
<b>Total Water Treatment Equipment</b>						<b>215,841,125</b>	<b>64,352,463</b>	<b>215,117,580</b>	<b>6,485,178</b>	<b>3.00%</b>	
330	Distribution Reservoirs and Standpipes		60-S0	-30%	2.70%	64,235,360	18,279,469	65,226,499	1,403,924	2.19%	46.54
330.01	Tank Repainting		25-SQ	0%	0.81%	19,268,450	5,698,284	13,570,166	669,615	3.48%	8.71
330.02	Tank Original Painting		25-SQ	0%	0.04%	975,287	623,353	351,934	16,402	1.68%	3.61
<b>Total Account 330</b>						<b>84,479,097</b>	<b>24,601,105</b>	<b>79,148,599</b>	<b>2,089,941</b>	<b>2.47%</b>	
331.001	Mains- Transmission and Distribution		105-R2	-70%	41.71%	990,725,981	184,161,060	1,500,073,107	16,504,648	1.67%	
332	Mains - Fire		90-S1.5	0%	0.00%	20,403	-11,306	31,709	370	1.81%	86.65
333	Services		75-R2.5	-125%	9.45%	224,428,236	59,992,077	444,971,454	7,400,644	3.30%	61.86
333.1	Replaced Customer Lead Services		75-SQ	0%	1.04%	24,726,756	1,888,616	22,838,140	312,115	1.26%	72.90
334.1	Meters		15-S1.5	-15%	1.71%	40,586,366	5,476,700	41,197,621	4,654,690	11.47%	12.93
334.11	Meters - Bronze Case		15-R1.5	-15%	1.24%	29,463,791	23,043,831	10,839,529	1,340,981	4.55%	6.85
334.12	Meters - Plastic Case		15-R3	-15%	0.40%	9,519,322	4,780,334	6,166,887	880,096	9.25%	4.41
334.13	Meters - Other		15-L1	-15%	0.41%	9,676,317	4,690,942	6,436,822	886,127	9.16%	11.76
334.131	Meter Reading Units		15-R3	-15%	0.33%	7,730,481	5,305,127	3,584,927	575,010	7.44%	5.87
334.2	Meter Installations		40-R3	-25%	3.58%	84,981,232	10,687,403	95,539,137	4,435,944	5.22%	
334.21	Meter Installations - Other		40-R3	0%	0.19%	4,457,908	719,891	3,738,017	117,507	2.64%	8.11
334.3	Meter Vaults		40-S0.5	-30%	1.64%	38,861,864	2,157,587	48,362,837	1,356,843	3.49%	5.86
<b>Total Meters</b>						<b>225,277,281</b>	<b>56,861,814</b>	<b>215,865,776</b>	<b>14,247,198</b>	<b>6.32%</b>	
335	Fire Hydrants		65-R2	-50%	3.95%	93,746,843	23,013,169	117,607,096	2,233,883	2.59%	53.24
336	Backflow Prevention Devices		35-R3	0%	0.00%	14,415	745	13,670	408	2.84%	33.53
<b>Miscellaneous Intangible Plant</b>											
339.3	Miscellaneous Intangible Plant - Treatment		25-SQ	0%	0.01%	284,901	34,610	250,291	11,821	4.15%	21.21
339.5	Miscellaneous Intangible Plant - Transmission & Distribution		15-SQ	0%	0.00%	115,939	109,730	6,208	460	0.40%	4.38
339.6	Miscellaneous Intangible Plant - Comprehensive Planning Studies		5-SQ	0%	0.00%	112,057	123,908	-11,851	0	0.00%	0.00
<b>Total Miscellaneous Intangible Plant</b>						<b>512,897</b>	<b>268,249</b>	<b>244,648</b>	<b>12,281</b>	<b>2.39%</b>	
<b>Total Transmission and Distribution</b>						<b>2,032,431,423</b>	<b>719,816,671</b>	<b>3,722,664,757</b>	<b>52,622,303</b>	<b>2.59%</b>	

**Indiana American Water Company**

**TABLE 1 - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022  
DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT  
TOTAL**

Account (1)	Account Description (2)	Truncation Date (3)	Survivor Curve (4)	Net Salvage (5)	Investment Percentage (6)	Original Cost as of Dec. 31, 2022 (7)	Book Depreciation Reserve (8)	Future Accruals (9)	Annual Accrual Amount (10)	Annual Accrual Rate (11)	Composite Remaining Life (12)
<b>General Plant</b>											
340.1	Office Furniture		20-SQ	0%	0.07%	1,655,105	667,713	987,392	73,279	4.43%	12.79
340.21	Computer & Periphery - Mainframe		5-SQ	0%	0.01%	226,114	285,722	-59,607	0	0.00%	0.53
340.22	Computer & Periphery - Personal		5-SQ	0%	0.03%	732,320	690,037	42,283	10,190	1.39%	1.70
340.23	Computer & Periphery - Other		5-SQ	0%	0.14%	3,358,077	1,613,385	1,744,692	451,684	13.45%	2.98
340.3	Computer Software		10-SQ	0%	2.03%	48,119,864	19,044,238	29,075,626	6,147,427	12.78%	5.39
340.31	Computer Software - Mainframe		6-SQ	0%	0.01%	286,589	1,412,325	-1,125,736	0	0.00%	4.50
340.325	Computer Software - Customized		5-SQ	0%	0.20%	4,738,229	4,198,661	539,567	331,428	6.99%	1.19
340.33	Computer Software - Other		5-SQ	0%	0.02%	505,803	346,361	159,443	86,601	17.12%	1.71
<b>Total Account 340</b>						<b>59,622,101</b>	<b>28,258,441</b>	<b>31,363,660</b>	<b>7,100,609</b>	<b>11.91%</b>	
<b>Transportation Equipment</b>											
341.1	Light Trucks		9-L2.5	15%	0.40%	9,432,584	1,869,082	6,148,614	939,265	9.96%	6.64
341.2	Heavy Trucks		13-S2	20%	0.34%	8,147,031	2,573,596	3,944,029	507,281	6.23%	7.80
341.3	Autos		7-S1	20%	0.05%	1,229,376	1,670,544	0	0	0.00%	2.87
341.4	Other		13-L2	10%	0.11%	2,494,427	830,618	1,414,367	155,809	6.25%	8.77
<b>Total Transportation Equipment</b>						<b>21,303,419</b>	<b>6,943,840</b>	<b>11,507,010</b>	<b>1,602,355</b>	<b>7.52%</b>	
342	Stores Equipment		25-SQ	0%	0.01%	136,851	59,732	77,119	4,499	3.29%	15.11
343	Tools, Shop, and Garage Equipment		25-SQ	0%	0.37%	8,809,214	2,458,814	6,350,400	349,077	3.96%	13.14
344	Laboratory Equipment		25-SQ	0%	0.10%	2,351,742	1,093,592	1,258,151	62,583	2.66%	18.78
345	Power Operated Equipment		20-L2	5%	0.11%	2,650,880	665,988	1,852,349	134,569	5.08%	14.16
346	Communication Equipment - Not Classified		15-SQ	0%	0.05%	1,260,227	115,700	1,144,528	96,193	7.63%	12.32
346.1	Communication Equipment - Non-Telephone		15-SQ	0%	0.14%	3,436,100	1,605,334	1,830,766	148,153	4.31%	9.04
346.19	Remote Control & Instrument		15-SQ	0%	0.71%	16,834,929	5,309,609	11,525,320	1,503,617	8.93%	8.95
346.2	Communication Equipment - Telephone		15-SQ	0%	0.01%	239,657	44,713	194,944	25,491	10.64%	9.62
347	Miscellaneous Equipment		20-SQ	0%	0.26%	6,167,608	2,731,125	3,436,484	447,842	7.26%	4.69
<b>Total General Plant</b>						<b>122,812,728</b>	<b>49,286,887</b>	<b>70,540,729</b>	<b>11,474,988</b>	<b>9.34%</b>	
<b>Total Depreciable Plant</b>						<b>2,375,346,007</b>	<b>824,377,397</b>	<b>4,009,326,368</b>	<b>68,372,115</b>	<b>2.88%</b>	
<b>Non-Depreciable Plant</b>											
301	Organization					507,257					
302	Franchises and Consents					2,677					
303.2	Land and Land Rights - Source of Supply					14,184,054					
303.3	Land and Land Rights - Pumping					134,754					
303.4	Land and Land Rights - Water Treatment					2,848,841					
303.5	Land and Land Rights - Transmission and Distribution					4,494,818					

**Indiana American Water Company**

**TABLE 1 - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022  
DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT  
TOTAL**

Account	Account Description	Truncation Date	Survivor Curve	Net Salvage	Investment Percentage	Original Cost as of Dec. 31, 2022	Book Depreciation Reserve	Future Accruals	Annual Accrual Amount	Annual Accrual Rate	Composite Remaining Life
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
303.6	Land and Land Rights - Administrative					2,866,770					
<b>Total Non Depreciable Plant</b>						<b>25,039,172</b>					
<b>TOTAL PLANT</b>						<b>2,400,385,179</b>	<b>824,377,397</b>	<b>4,009,326,368</b>	<b>68,372,115</b>		

**Indiana American Water Company**

**TABLE 1A - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022 DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT LIFE**

Account	Account Description	Truncation Date	Survivor Curve	Net Salvage	Original Cost as of Dec. 31, 2022	Book Depreciation Reserve	Future Accruals	Annual Accrual Amount	Annual Accrual Rate	Composite Remaining Life
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Structures and Improvements</b>										
304.1	Source of Supply		45-R1	0%	15,951,039	1,560,856	14,390,183	378,294	2.37%	38.52
304.2	Power and Pumping		75-S0	0%	27,333,828	10,553,305	16,780,523	279,749	1.02%	58.42
304.3	Water Treatment		75-S0	0%	133,021,414	27,437,300	105,584,114	1,573,199	1.18%	65.88
304.301	DPR Paint		40-SQ	0%	197,248	197,248	0	0	0.00%	4.61
304.302	Painting		40-SQ	0%	1,213,319	1,022,691	190,628	5,516	0.45%	24.20
304.31	Handl		40-SQ	0%	4,799,864	1,587,387	3,212,477	121,137	2.52%	26.52
304.312	WH Repaint		25-SQ	0%	5,086	1,562	3,523	306	6.02%	11.50
304.39	Mixing		40-SQ	0%	28,662	12,376	16,286	526	1.84%	29.55
304.391	Purification		40-SQ	0%	741,553	69,529	672,025	20,461	2.76%	32.91
304.392	Wash Tank		40-SQ	0%	125,395	8,048	117,347	3,215	2.56%	36.50
	<b>Total Water Treatment</b>				<b>183,417,410</b>	<b>42,450,303</b>	<b>140,967,107</b>	<b>2,382,403</b>	<b>1.30%</b>	
304.4	Transmission and Distribution		40-S0.5	0%	5,217,856	1,666,852	3,551,004	113,578	2.18%	30.61
304.5	General		30-S1	0%	12,598,945	2,260,659	10,338,287	439,000	3.48%	23.68
304.6	Office Buildings		30-S0	0%	3,851,977	881,413	2,970,565	125,665	3.26%	23.56
304.61	HVAC		30-R2.5	0%	4,159,226	70,278	4,088,948	141,459	3.40%	28.93
304.62	Leasehold		25-SQ	0%	172,832	-10,399	183,231	14,889	8.61%	15.16
304.7	Shop and Garage		60-S1	0%	9,079,745	3,107,784	5,971,961	138,319	1.52%	41.99
304.8	Miscellaneous		40-L1	0%	1,603,865	93,044	1,510,821	45,189	2.82%	34.84
	<b>Total Structures and Improvements</b>				<b>220,101,856</b>	<b>50,519,933</b>	<b>169,581,923</b>	<b>3,400,502</b>	<b>1.54%</b>	
<b>Transmission and Distribution</b>										
305	Collecting and Impounding Reservoirs		95-R3	0%	10,461,627	5,071,975	5,389,653	91,564	0.88%	56.32
306	Lake, River, and Other Intakes		65-S1	0%	51,403,660	17,786,398	33,617,262	732,554	1.43%	45.71
	<b>Total Lake, River, and Other Intakes</b>				<b>61,865,287</b>	<b>22,858,373</b>	<b>39,006,914</b>	<b>824,118</b>	<b>1.33%</b>	
307	Wells and Springs		40-R0.5	0%	20,458,016	4,882,085	15,575,932	491,246	2.40%	31.36
308	Infiltration Galleries and Tunnels		65-R2.5	0%	71,671	44,389	27,282	472	0.66%	43.88
309	Supply Mains		80-R2	0%	16,667,423	4,857,134	11,810,288	179,840	1.08%	64.47
310	Power Generation Equipment		40-R2	0%	13,665,481	3,191,502	10,473,979	342,261	2.50%	30.61
<b>Pumping Equipment</b>										
311.2	Pumping Equipment - Electric		40-R1	0%	40,685,730	23,656,380	17,029,350	578,785	1.42%	26.04
311.3	Pumping Equipment - Diesel		35-S0	0%	623,295	303,004	320,292	17,552	2.82%	18.18
311.4	Pumping Equipment - Hydraulic		40-R2.5	0%	134,083	31,772	102,311	3,007	2.24%	33.04
311.5	Pumping Equipment - Other		36-R1.5	0%	6,018,497	212,622	5,805,875	190,086	3.16%	31.99
311.52	Pumping Equipment - SOS & Pumping		36-R1.5	0%	7,858,453	1,701,333	6,157,120	228,979	2.91%	26.94



**Indiana American Water Company**

**TABLE 1A - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022 DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT LIFE**

Account	Account Description	Truncation Date	Survivor Curve	Net Salvage	Original Cost as of Dec. 31, 2022	Book Depreciation Reserve	Future Accruals	Annual Accrual Amount	Annual Accrual Rate	Composite Remaining Life
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
311.53	Pumping Equipment - Water Treatment		36-R1.5	0%	3,630,036	128,248	3,501,787	101,331	2.79%	34.57
311.54	Pumping Equipment - Transmission & Distribution		36-R1.5	0%	980,418	173,334	807,084	29,066	2.96%	28.01
	<b>Total Pumping Equipment</b>				<b>59,930,511</b>	<b>26,206,692</b>	<b>33,723,819</b>	<b>1,148,806</b>	<b>1.92%</b>	
	<b>Water Treatment Equipment</b>									
320.1	Water Treatment Equipment - Non-Media		45-R1	0%	144,146,931	41,609,684	102,537,247	2,739,851	1.90%	35.76
320.19	Water Treatment Equipment - Basin, Clearwell		45-R2.5	0%	66,077,094	12,761,584	53,315,510	1,404,107	2.12%	37.75
320.2	Water Treatment Equipment - Filter Media		10-S0.5	0%	5,617,100	3,331,274	2,285,826	396,486	7.06%	5.13
	<b>Total Water Treatment Equipment</b>				<b>215,841,125</b>	<b>57,702,543</b>	<b>158,138,583</b>	<b>4,540,444</b>	<b>2.10%</b>	
330	Distribution Reservoirs and Standpipes		60-S0	0%	64,235,360	12,932,402	51,302,958	1,112,121	1.73%	46.54
330.01	Tank Repainting		25-SQ	0%	19,268,450	5,698,284	13,570,166	669,615	3.48%	19.56
330.02	Tank Original Painting		25-SQ	0%	975,287	623,353	351,934	16,402	1.68%	17.53
	<b>Total Account 330</b>				<b>84,479,097</b>	<b>19,254,039</b>	<b>65,225,058</b>	<b>1,798,138</b>	<b>2.13%</b>	
331.001	Mains- Transmission and Distribution		105-R2	0%	990,725,981	149,323,051	841,402,929	9,159,019	0.92%	91.36
332	Mains - Fire		90-S1.5	0%	20,403	-11,306	31,709	370	1.81%	86.65
333	Services		75-R2.5	0%	224,428,236	40,145,139	184,283,097	2,972,949	1.32%	61.86
333.1	Replaced Customer Lead Services		75-SQ	0%	24,726,756	1,888,616	22,838,140	312,115	1.26%	73.10
334.1	Meters		15-S1.5	0%	40,586,366	7,818,685	32,767,680	3,551,487	8.75%	10.16
334.11	Meters - Bronze Case		15-R1.5	0%	29,463,791	26,454,121	3,009,670	270,120	0.92%	6.85
334.12	Meters - Plastic Case		15-R3	0%	9,519,322	4,784,019	4,735,304	669,891	7.04%	7.09
334.13	Meters - Other		15-L1	0%	9,676,317	5,323,483	4,352,834	531,664	5.49%	7.66
334.131	Meter Reading Units		15-R3	0%	7,730,481	5,462,564	2,267,917	244,069	3.16%	5.87
334.2	Meter Installations		40-R3	0%	84,981,232	12,622,946	72,358,286	3,189,438	3.75%	28.35
334.21	Meter Installations - Other		40-R3	0%	4,457,908	719,891	3,738,017	117,507	2.64%	32.08
334.3	Meter Vaults		40-S0.5	0%	38,861,864	5,342,677	33,519,187	932,711	2.40%	35.83
	<b>Total Meters</b>				<b>225,277,281</b>	<b>68,528,386</b>	<b>156,748,895</b>	<b>9,506,887</b>	<b>4.22%</b>	
335	Fire Hydrants		65-R2	0%	93,746,843	20,677,200	73,069,643	1,345,509	1.44%	53.24
336	Backflow Prevention Devices		35-R3	0%	14,415	745	13,670	408	2.83%	33.53
	<b>Miscellaneous Intangible Plant</b>									
339.3	Miscellaneous Intangible Plant - Treatment		25-SQ	0%	284,901	34,610	250,291	11,821	4.15%	21.21
339.5	Miscellaneous Intangible Plant - Transmission & Distribution		15-SQ	0%	115,939	109,730	6,208	460	0.40%	4.38
339.6	Miscellaneous Intangible Plant - Comprehensive Planning Studies		5-SQ	0%	112,057	123,908	-11,851	0	0.00%	0.00
	<b>Total Miscellaneous Intangible Plant</b>				<b>512,897</b>	<b>268,249</b>	<b>244,648</b>	<b>12,281</b>	<b>2.39%</b>	
	<b>Total Transmission and Distribution</b>				<b>2,032,431,423</b>	<b>688,240,577</b>	<b>2,302,845,155</b>	<b>32,634,863</b>	<b>1.61%</b>	

**Indiana American Water Company**

**TABLE 1A - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022 DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT LIFE**

Account	Account Description	Truncation Date	Survivor Curve	Net Salvage	Original Cost as of Dec. 31, 2022	Book Depreciation Reserve	Future Accruals	Annual Accrual Amount	Annual Accrual Rate	Composite Remaining Life
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>General Plant</b>										
340.1	Office Furniture		20-SQ	0%	1,655,105	667,713	987,392	73,279	4.43%	12.79
340.21	Computer & Periphery - Mainframe		5-SQ	0%	226,114	285,722	-59,607	0	0.00%	0.53
340.22	Computer & Periphery - Personal		5-SQ	0%	732,320	690,037	42,283	10,190	1.39%	1.70
340.23	Computer & Periphery - Other		5-SQ	0%	3,358,077	1,613,385	1,744,692	451,684	13.45%	2.98
340.3	Computer Software		10-SQ	0%	48,119,864	19,044,238	29,075,626	6,147,427	12.78%	5.39
340.31	Computer Software - Mainframe		6-SQ	0%	286,589	1,412,325	-1,125,736	0	0.00%	4.50
340.325	Computer Software - Customized		5-SQ	0%	4,738,229	4,198,661	539,567	331,428	6.99%	1.19
340.33	Computer Software - Other		5-SQ	0%	505,803	346,361	159,443	86,601	17.12%	1.71
<b>Total Account 340</b>					<b>59,622,101</b>	<b>28,258,441</b>	<b>31,363,660</b>	<b>7,100,609</b>	<b>11.91%</b>	
<b>Transportation Equipment</b>										
341.1	Light Trucks		9-L2.5	15%	9,432,584	1,869,082	6,148,614	939,265	9.96%	6.64
341.2	Heavy Trucks		13-S2	20%	8,147,031	2,573,596	3,944,029	507,281	6.23%	7.80
341.3	Autos		7-S1	20%	1,229,376	1,670,544	0	0	0.00%	2.87
341.4	Other		13-L2	10%	2,494,427	830,618	1,414,367	155,809	6.25%	8.77
<b>Total Transportation Equipment</b>					<b>21,303,419</b>	<b>6,943,840</b>	<b>11,507,010</b>	<b>1,602,355</b>	<b>7.52%</b>	
342	Stores Equipment		25-SQ	0%	136,851	59,732	77,119	4,499	3.29%	15.11
343	Tools, Shop, and Garage Equipment		25-SQ	0%	8,809,214	2,458,814	6,350,400	349,077	3.96%	18.14
344	Laboratory Equipment		25-SQ	0%	2,351,742	1,093,592	1,258,151	62,583	2.66%	18.78
345	Power Operated Equipment		20-L2	5%	2,650,880	665,988	1,852,349	134,569	5.08%	14.16
346	Communication Equipment - Not Classified		15-SQ	0%	1,260,227	115,700	1,144,528	96,193	7.63%	12.32
346.1	Communication Equipment - Non-Telephone		15-SQ	0%	3,436,100	1,605,334	1,830,766	148,153	4.31%	9.04
346.19	Remote Control & Instrument		15-SQ	0%	16,834,929	5,309,609	11,525,320	1,503,617	8.93%	8.95
346.2	Communication Equipment - Telephone		15-SQ	0%	239,657	44,713	194,944	25,491	10.64%	9.62
347	Miscellaneous Equipment		20-SQ	0%	6,167,608	2,731,125	3,436,484	447,842	7.26%	9.15
<b>Total General Plant</b>					<b>122,812,728</b>	<b>49,286,887</b>	<b>70,540,729</b>	<b>11,474,988</b>	<b>9.34%</b>	
<b>Total Depreciable Plant</b>					<b>2,375,346,007</b>	<b>788,047,398</b>	<b>2,542,967,807</b>	<b>47,510,353</b>	<b>2.00%</b>	
<b>Non-Depreciable Plant</b>										
301	Organization				507,257					
302	Franchises and Consents				2,677					
303.2	Land and Land Rights - Source of Supply				14,184,054					
303.3	Land and Land Rights - Pumping				134,754					
303.4	Land and Land Rights - Water Treatment				2,848,841					
303.5	Land and Land Rights - Transmission and Distribution				4,494,818					

**Indiana American Water Company**

**TABLE 1A - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022  
DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT LIFE**

Account	Account Description	Truncation Date	Survivor Curve	Net Salvage	Original Cost as of Dec. 31, 2022	Book Depreciation Reserve	Future Accruals	Annual Accrual Amount	Annual Accrual Rate	Composite Remaining Life
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
303.6	Land and Land Rights - Administrative				2,866,770					
<b>Total Non Depreciable Plant</b>					<b>25,039,172</b>					
<b>TOTAL PLANT</b>					<b>2,400,385,179</b>	<b>788,047,398</b>	<b>2,542,967,807</b>	<b>47,510,353</b>		

**Indiana American Water Company**

**TABLE 1B - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022  
DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT  
COR**

Account	Account Description	Truncation Date	Survivor Curve	Net Salvage	Original Cost as of Dec. 31, 2022	Book Depreciation Reserve	Future Accruals	Annual Accrual Amount	Annual Accrual Rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>Structures and Improvements</b>									
304.1	Source of Supply		45-R1	-25%	15,951,039	-1,821,363	5,809,123	166,312	1.04%
304.2	Power and Pumping		75-S0	-25%	27,333,828	3,755,454	3,078,003	49,393	0.18%
304.3	Water Treatment		75-S0	-25%	133,021,414	3,907,906	29,347,447	445,699	0.34%
304.301	DPR Paint		40-SQ	0%	197,248	0	0	0	0.00%
304.302	Painting		40-SQ	0%	1,213,319	0	0	0	0.00%
304.31	Handl		40-SQ	0%	4,799,864	0	0	0	0.00%
304.312	WH Repaint		25-SQ	0%	5,086	0	0	0	0.00%
304.39	Mixing		40-SQ	0%	28,662	0	0	0	0.00%
304.391	Purification		40-SQ	0%	741,553	0	0	0	0.00%
304.392	Wash Tank		40-SQ	0%	125,395	0	0	0	0.00%
	<b>Total Water Treatment</b>				<b>183,417,410</b>	<b>5,841,997</b>	<b>38,234,573</b>	<b>661,404</b>	<b>0.36%</b>
304.4	Transmission and Distribution		40-S0.5	-25%	5,217,856	242,017	1,062,447	34,842	0.67%
304.5	General		30-S1	-25%	12,598,945	-1,166,519	4,316,255	82,098	0.65%
304.6	Office Buildings		30-S0	-15%	3,851,977	-102,319	680,115	30,742	0.80%
304.61	HVAC		30-R2.5	-5%	4,159,226	-187,709	395,671	13,963	0.34%
304.62	Leasehold		25-SQ	0%	172,832	0	0	0	0.00%
304.7	Shop and Garage		60-S1	-20%	9,079,745	298,626	1,517,323	38,635	0.43%
304.8	Miscellaneous		40-L1	-10%	1,603,865	-172,187	332,574	12,638	0.79%
	<b>Total Structures and Improvements</b>				<b>220,101,856</b>	<b>4,753,905</b>	<b>46,538,959</b>	<b>874,322</b>	<b>0.40%</b>
<b>Transmission and Distribution</b>									
305	Collecting and Impounding Reservoirs		95-R3	-10%	10,461,627	-1,129,035	2,175,198	46,515	0.44%
306	Lake, River, and Other Intakes		65-S1	-10%	51,403,660	-994,202	6,134,568	137,054	0.27%
	<b>Total Lake, River, and Other Intakes</b>				<b>61,865,287</b>	<b>-2,123,237</b>	<b>8,309,766</b>	<b>183,569</b>	<b>0.30%</b>
307	Wells and Springs		40-R0.5	-10%	20,458,016	467,291	1,578,511	50,002	0.24%
308	Infiltration Galleries and Tunnels		65-R2.5	-5%	71,671	-16,930	20,513	362	0.51%
309	Supply Mains		80-R2	-20%	16,667,423	850,324	2,483,160	38,004	0.23%
310	Power Generation Equipment		40-R2	-10%	13,665,481	313,102	1,053,446	34,467	0.25%
<b>Pumping Equipment</b>									
311.2	Pumping Equipment - Electric		40-R1	-5%	40,685,730	3,382,565	-1,348,279	-63,070	-0.16%
311.3	Pumping Equipment - Diesel		35-S0	-5%	623,295	90,188	-59,024	-4,489	-0.72%
311.4	Pumping Equipment - Hydraulic		40-R2.5	-5%	134,083	-7,765	14,469	533	0.40%
311.5	Pumping Equipment - Other		36-R1.5	-15%	6,018,497	-678,437	1,581,211	64,110	1.07%
311.52	Pumping Equipment - SOS & Pumping		36-R1.5	-10%	7,858,453	32,450	753,396	28,208	0.36%

**Indiana American Water Company**

**TABLE 1B - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022  
DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT  
COR**

Account	Account Description	Truncation Date	Survivor Curve	Net Salvage	Original Cost as of Dec. 31, 2022	Book Depreciation Reserve	Future Accruals	Annual Accrual Amount	Annual Accrual Rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
311.53	Pumping Equipment - Water Treatment		36-R1.5	-10%	3,630,036	-87,943	450,947	13,370	0.37%
311.54	Pumping Equipment - Transmission & Distribution		36-R1.5	-10%	980,418	-5,032	103,074	3,828	0.39%
	<b>Total Pumping Equipment</b>				<b>59,930,511</b>	<b>2,726,026</b>	<b>1,495,795</b>	<b>42,490</b>	<b>0.07%</b>
	<b>Water Treatment Equipment</b>								
320.1	Water Treatment Equipment - Non-Media		45-R1	-30%	144,146,931	7,289,323	35,954,756	1,016,256	0.71%
320.19	Water Treatment Equipment - Basin, Clearwell		45-R2.5	-30%	66,077,094	323,438	19,499,691	528,002	0.80%
320.2	Water Treatment Equipment - Filter Media		10-S0.5	-10%	5,617,100	-962,840	1,524,550	400,476	7.13%
	<b>Total Water Treatment Equipment</b>				<b>215,841,125</b>	<b>6,649,920</b>	<b>56,978,997</b>	<b>1,944,734</b>	<b>0.90%</b>
330	Distribution Reservoirs and Standpipes		60-S0	-30%	64,235,360	5,347,067	13,923,541	291,803	0.45%
330.01	Tank Repainting		25-SQ	0%	19,268,450	0	0	0	0.00%
330.02	Tank Original Painting		25-SQ	0%	975,287	0	0	0	0.00%
	<b>Total Account 330</b>				<b>84,479,097</b>	<b>5,347,067</b>	<b>13,923,541</b>	<b>291,803</b>	<b>0.35%</b>
331.001	Mains- Transmission and Distribution		105-R2	-70%	990,725,981	34,838,008	658,670,178	7,345,629	0.74%
332	Mains - Fire		90-S1.5	0%	20,403	0	0	0	0.00%
333	Services		75-R2.5	-125%	224,428,236	19,846,938	260,688,357	4,427,695	1.97%
333.1	Replaced Customer Lead Services		75-SQ	0%	24,726,756	0	0	0	0.00%
334.1	Meters		15-S1.5	-15%	40,586,366	-2,341,986	8,429,940	1,103,203	2.72%
334.11	Meters - Bronze Case		15-R1.5	-15%	29,463,791	-3,410,290	7,829,859	1,070,861	3.63%
334.12	Meters - Plastic Case		15-R3	-15%	9,519,322	-3,685	1,431,583	210,205	2.21%
334.13	Meters - Other		15-L1	-15%	9,676,317	-632,541	2,083,988	354,463	3.66%
334.131	Meter Reading Units		15-R3	-15%	7,730,481	-157,437	1,317,010	330,941	4.28%
334.2	Meter Installations		40-R3	-25%	84,981,232	-1,935,543	23,180,851	1,246,506	1.47%
334.21	Meter Installations - Other		40-R3	0%	4,457,908	0	0	0	0.00%
334.3	Meter Vaults		40-S0.5	-30%	38,861,864	-3,185,090	14,843,650	424,132	1.09%
	<b>Total Meters</b>				<b>225,277,281</b>	<b>-11,666,572</b>	<b>59,116,881</b>	<b>4,740,311</b>	<b>2.10%</b>
335	Fire Hydrants		65-R2	-50%	93,746,843	2,335,968	44,537,453	888,374	0.95%
336	Backflow Prevention Devices		35-R3	0%	14,415	0	0	0	0.00%
	<b>Miscellaneous Intangible Plant</b>								
339.3	Miscellaneous Intangible Plant - Treatment		25-SQ	0%	284,901	0	0	0	0.00%
339.5	Miscellaneous Intangible Plant - Transmission & Distribution		15-SQ	0%	115,939	0	0	0	0.00%
339.6	Miscellaneous Intangible Plant - Comprehensive Planning Studies		5-SQ	0%	112,057	0	0	0	0.00%
	<b>Total Miscellaneous Intangible Plant</b>				<b>512,897</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00%</b>
	<b>Total Transmission and Distribution</b>				<b>2,032,431,423</b>	<b>31,576,094</b>	<b>1,419,819,602</b>	<b>19,987,440</b>	<b>0.98%</b>

**Indiana American Water Company**

**TABLE 1B - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022  
DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT  
COR**

Account	Account Description	Truncation Date	Survivor Curve	Net Salvage	Original Cost as of Dec. 31, 2022	Book Depreciation Reserve	Future Accruals	Annual Accrual Amount	Annual Accrual Rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>General Plant</b>									
340.1	Office Furniture		20-SQ	0%	1,655,105	0	0	0	0.00%
340.21	Computer & Periphery - Mainframe		5-SQ	0%	226,114	0	0	0	0.00%
340.22	Computer & Periphery - Personal		5-SQ	0%	732,320	0	0	0	0.00%
340.23	Computer & Periphery - Other		5-SQ	0%	3,358,077	0	0	0	0.00%
340.3	Computer Software		10-SQ	0%	48,119,864	0	0	0	0.00%
340.31	Computer Software - Mainframe		6-SQ	0%	286,589	0	0	0	0.00%
340.325	Computer Software - Customized		5-SQ	0%	4,738,229	0	0	0	0.00%
340.33	Computer Software - Other		5-SQ	0%	505,803	0	0	0	0.00%
<b>Total Account 340</b>					<b>59,622,101</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00%</b>
<b>Transportation Equipment</b>									
341.1	Light Trucks		9-L2.5	0%	9,432,584	0	0	0	0.00%
341.2	Heavy Trucks		13-S2	0%	8,147,031	0	0	0	0.00%
341.3	Autos		7-S1	0%	1,229,376	0	0	0	0.00%
341.4	Other		13-L2	0%	2,494,427	0	0	0	0.00%
<b>Total Transportation Equipment</b>					<b>21,303,419</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00%</b>
342	Stores Equipment		25-SQ	0%	136,851	0	0	0	0.00%
343	Tools, Shop, and Garage Equipment		25-SQ	0%	8,809,214	0	0	0	0.00%
344	Laboratory Equipment		25-SQ	0%	2,351,742	0	0	0	0.00%
345	Power Operated Equipment		20-L2	0%	2,650,880	0	0	0	0.00%
346	Communication Equipment - Not Classified		15-SQ	0%	1,260,227	0	0	0	0.00%
346.1	Communication Equipment - Non-Telephone		15-SQ	0%	3,436,100	0	0	0	0.00%
346.19	Remote Control & Instrument		15-SQ	0%	16,834,929	0	0	0	0.00%
346.2	Communication Equipment - Telephone		15-SQ	0%	239,657	0	0	0	0.00%
347	Miscellaneous Equipment		20-SQ	0%	6,167,608	0	0	0	0.00%
<b>Total General Plant</b>					<b>122,812,728</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00%</b>
<b>Total Depreciable Plant</b>					<b>2,375,346,007</b>	<b>36,329,999</b>	<b>1,466,358,561</b>	<b>20,861,762</b>	<b>0.88%</b>
<b>Non Depreciable Plant</b>									
301	Organization				507,257				
302	Franchises and Consents				2,677				
303.2	Land and Land Rights - Source of Supply				14,184,054				
303.3	Land and Land Rights - Pumping				134,754				
303.4	Land and Land Rights - Water Treatment				2,848,841				
303.5	Land and Land Rights - Transmission and Distribution				4,494,818				

**Indiana American Water Company**

**TABLE 1B - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022  
DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT  
COR**

Account	Account Description	Truncation Date	Survivor Curve	Net Salvage	Original Cost as of Dec. 31, 2022	Book Depreciation Reserve	Future Accruals	Annual Accrual Amount	Annual Accrual Rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
303.6	Land and Land Rights - Administrative				2,866,770				
<b>Total Non Depreciable Plant</b>					<b>25,039,172</b>				
<b>TOTAL PLANT</b>					<b>2,400,385,179</b>	<b>36,329,999</b>	<b>1,466,358,561</b>	<b>20,861,762</b>	



SECTION 6

**6 RETIREMENT RATE ANALYSIS**

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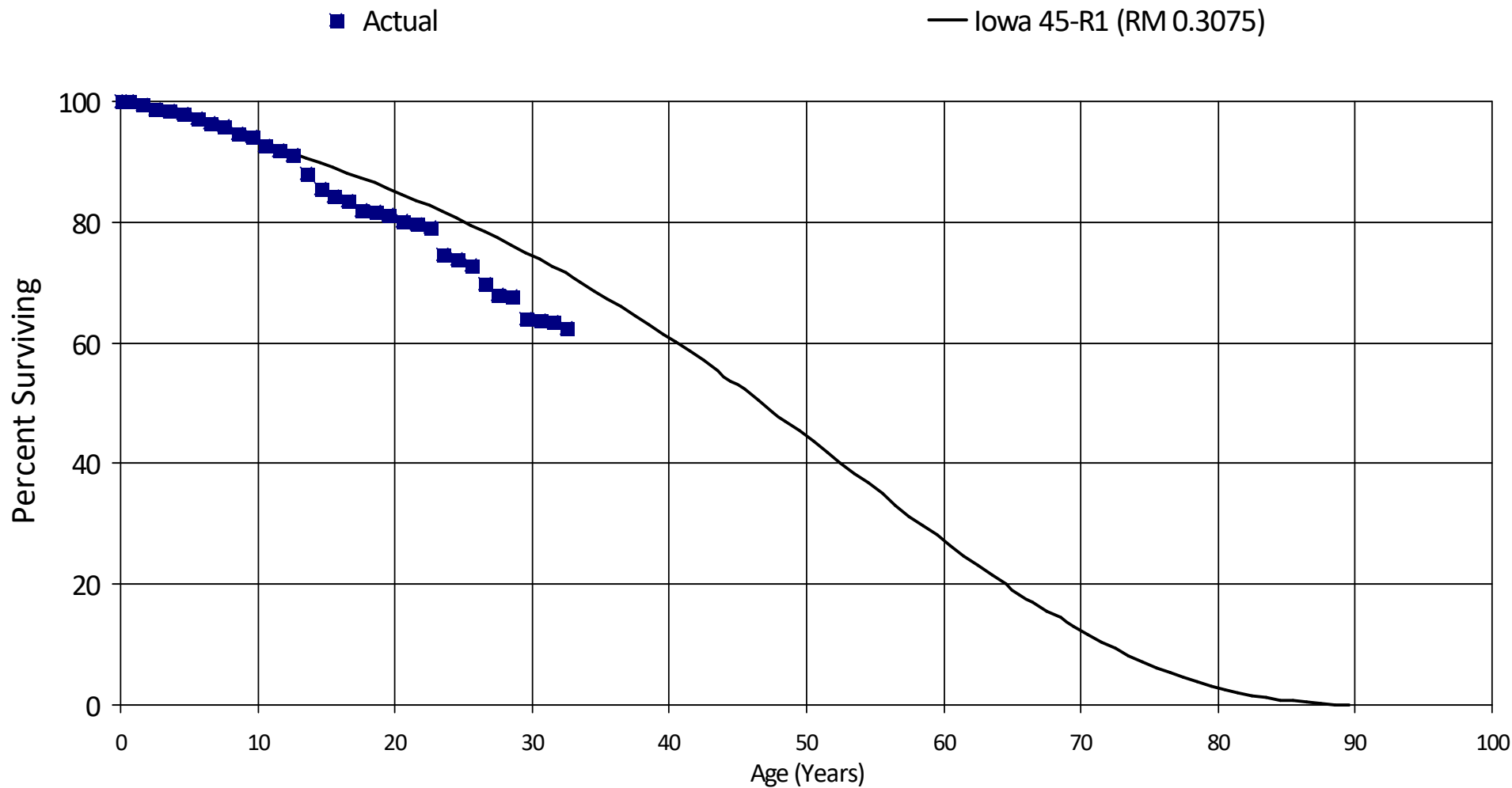


# American Water Works - Indiana

## Account 304.100 - S&I - Source of Supply

Placement Band - 1929 - 2022 Experience Band - 1971 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 304.100 - S&I - Source of Supply

Placement Band - 1929 - 2022 Experience Band - 1971 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	17,879,132	18,040	0.00101	0.99899	100.00
0.5	15,971,116	77,098	0.00483	0.99517	99.90
1.5	14,371,117	115,979	0.00807	0.99193	99.42
2.5	12,978,792	24,868	0.00192	0.99808	98.62
3.5	9,857,847	33,827	0.00343	0.99657	98.43
4.5	8,720,533	74,270	0.00852	0.99148	98.09
5.5	8,086,991	75,354	0.00932	0.99068	97.25
6.5	7,933,626	35,772	0.00451	0.99549	96.34
7.5	7,602,843	99,379	0.01307	0.98693	95.91
8.5	7,387,721	41,642	0.00564	0.99436	94.66
9.5	6,467,560	108,467	0.01677	0.98323	94.13
10.5	6,159,887	48,411	0.00786	0.99214	92.55
11.5	5,798,472	41,006	0.00707	0.99293	91.82
12.5	5,672,155	197,447	0.03481	0.96519	91.17
13.5	5,403,100	157,044	0.02907	0.97093	88.00
14.5	5,232,347	77,904	0.01489	0.98511	85.44
15.5	5,016,444	36,940	0.00736	0.99264	84.17
16.5	4,870,953	91,608	0.01881	0.98119	83.55
17.5	3,247,758	10,749	0.00331	0.99669	81.98
18.5	3,212,540	17,865	0.00556	0.99444	81.71
19.5	3,194,674	43,743	0.01369	0.98631	81.26
20.5	3,093,318	14,119	0.00456	0.99544	80.15
21.5	2,629,244	19,085	0.00726	0.99274	79.78
22.5	2,392,772	135,597	0.05667	0.94333	79.20
23.5	1,962,621	19,984	0.01018	0.98982	74.71
24.5	1,899,666	28,991	0.01526	0.98474	73.95
25.5	1,630,751	66,932	0.04104	0.95896	72.82
26.5	1,557,596	40,045	0.02571	0.97429	69.83

## American Water Works - Indiana

### Account 304.100 - S&I - Source of Supply

Placement Band - 1929 - 2022    Experience Band - 1971 - 2022

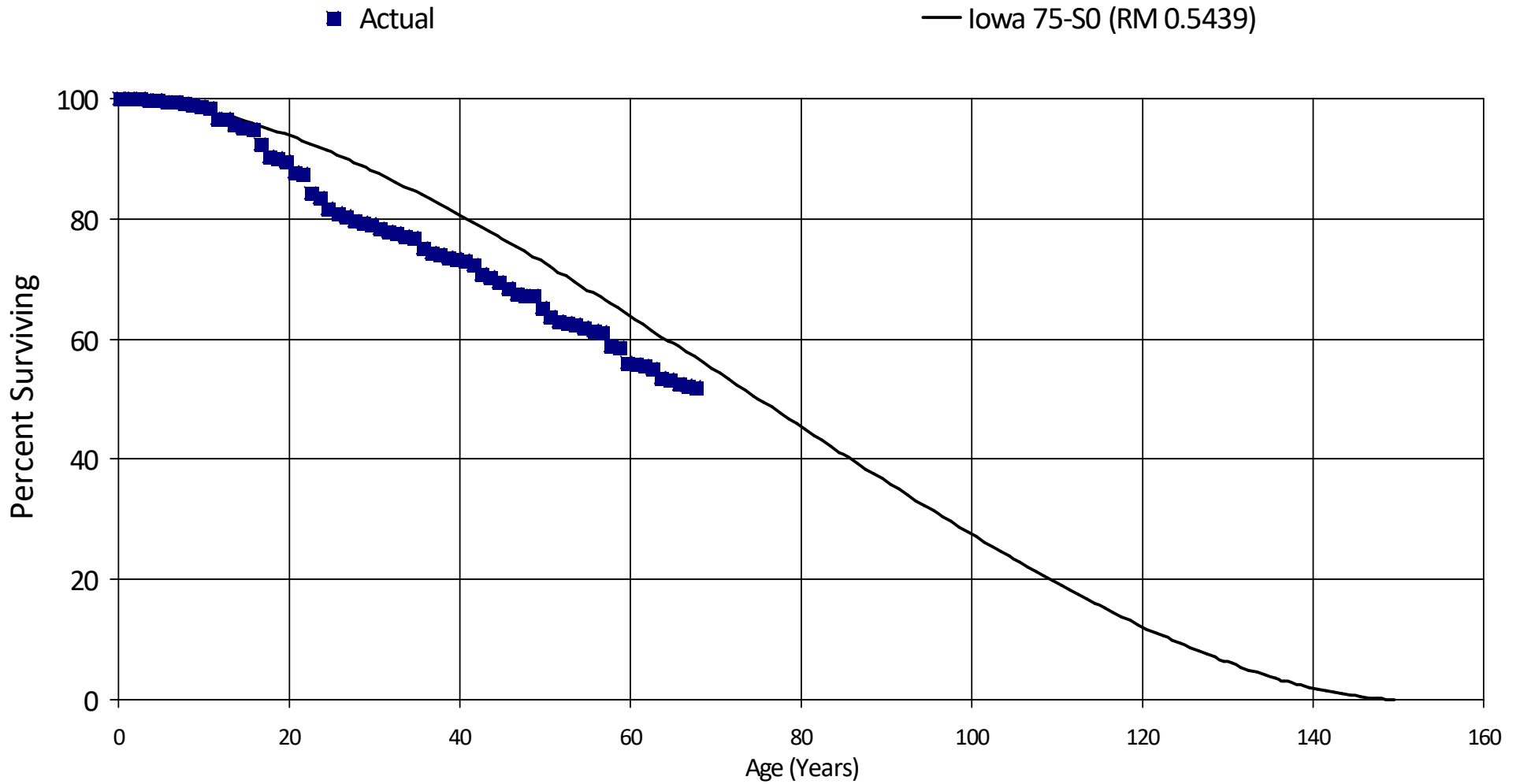
27.5	1,268,345	3,113	0.00245	0.99755	68.03
28.5	938,816	52,900	0.05635	0.94365	67.86
29.5	870,954	3,860	0.00443	0.99557	64.04
30.5	865,188	4,599	0.00532	0.99468	63.76
31.5	179,127	2,579	0.01440	0.98560	63.42
32.5	171,702	25,451	0.14823	0.85177	62.51
<b>Totals:</b>		<b>1,844,668</b>			

# American Water Works - Indiana

## Account 304.230 - Pumping & Treatment

Placement Band - 1885 - 2022    Experience Band - 1958 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 304.230 - Pumping & Treatment

Placement Band - 1885 - 2022 Experience Band - 1958 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	182,756,833	22,008	0.00012	0.99988	100.00
0.5	179,658,234	80,753	0.00045	0.99955	99.99
1.5	179,393,421	85,375	0.00048	0.99952	99.95
2.5	135,392,853	37,077	0.00027	0.99973	99.90
3.5	120,479,935	116,417	0.00097	0.99903	99.87
4.5	119,691,498	268,179	0.00224	0.99776	99.77
5.5	117,902,226	169,588	0.00144	0.99856	99.55
6.5	117,290,797	187,538	0.00160	0.99840	99.41
7.5	112,061,221	212,725	0.00190	0.99810	99.25
8.5	108,625,817	295,065	0.00272	0.99728	99.06
9.5	106,074,921	402,470	0.00379	0.99621	98.79
10.5	99,923,721	1,645,854	0.01647	0.98353	98.42
11.5	89,973,930	172,366	0.00192	0.99808	96.80
12.5	89,266,240	904,731	0.01014	0.98986	96.61
13.5	66,940,907	309,723	0.00463	0.99537	95.63
14.5	65,625,738	233,120	0.00355	0.99645	95.19
15.5	64,863,212	1,686,507	0.02600	0.97400	94.85
16.5	52,577,154	1,095,241	0.02083	0.97917	92.38
17.5	51,161,990	198,111	0.00387	0.99613	90.46
18.5	50,287,365	241,172	0.00480	0.99520	90.11
19.5	48,424,265	1,071,393	0.02213	0.97787	89.68
20.5	43,194,404	102,331	0.00237	0.99763	87.70
21.5	38,651,929	1,468,434	0.03799	0.96201	87.49
22.5	36,661,720	268,000	0.00731	0.99269	84.17
23.5	30,315,741	671,144	0.02214	0.97786	83.55
24.5	29,245,743	282,157	0.00965	0.99035	81.70
25.5	21,980,957	97,714	0.00445	0.99555	80.91
26.5	20,827,628	229,579	0.01102	0.98898	80.55

## American Water Works - Indiana

### Account 304.230 - Pumping & Treatment

Placement Band - 1885 - 2022    Experience Band - 1958 - 2022

27.5	20,215,698	33,571	0.00166	0.99834	79.66
28.5	14,475,576	76,738	0.00530	0.99470	79.53
29.5	14,190,189	109,841	0.00774	0.99226	79.11
30.5	13,741,883	117,471	0.00855	0.99145	78.50
31.5	12,053,570	34,290	0.00284	0.99716	77.83
32.5	11,766,687	53,400	0.00454	0.99546	77.61
33.5	10,580,186	33,322	0.00315	0.99685	77.26
34.5	10,467,171	264,779	0.02530	0.97470	77.02
35.5	9,701,926	80,810	0.00833	0.99167	75.07
36.5	9,522,056	42,206	0.00443	0.99557	74.44
37.5	9,451,195	65,944	0.00698	0.99302	74.11
38.5	9,194,481	24,980	0.00272	0.99728	73.59
39.5	7,353,519	28,883	0.00393	0.99607	73.39
40.5	6,420,988	76,256	0.01188	0.98812	73.10
41.5	6,338,378	125,530	0.01980	0.98020	72.23
42.5	6,158,723	53,051	0.00861	0.99139	70.80
43.5	6,019,766	55,524	0.00922	0.99078	70.19
44.5	5,937,885	85,002	0.01432	0.98568	69.54
45.5	5,834,776	87,799	0.01505	0.98495	68.54
46.5	5,717,257	11,084	0.00194	0.99806	67.51
47.5	5,686,749	15,873	0.00279	0.99721	67.38
48.5	5,648,210	170,595	0.03020	0.96980	67.19
49.5	5,425,956	114,685	0.02114	0.97886	65.16
50.5	5,299,235	78,021	0.01472	0.98528	63.78
51.5	4,866,081	21,272	0.00437	0.99563	62.84
52.5	4,840,587	11,507	0.00238	0.99762	62.57
53.5	4,736,292	42,969	0.00907	0.99093	62.42
54.5	4,688,862	37,833	0.00807	0.99193	61.85
55.5	4,538,590	12,284	0.00271	0.99729	61.35
56.5	4,483,502	174,618	0.03895	0.96105	61.18
57.5	2,797,385	3,432	0.00123	0.99877	58.80

## American Water Works - Indiana

### Account 304.230 - Pumping & Treatment

Placement Band - 1885 - 2022    Experience Band - 1958 - 2022

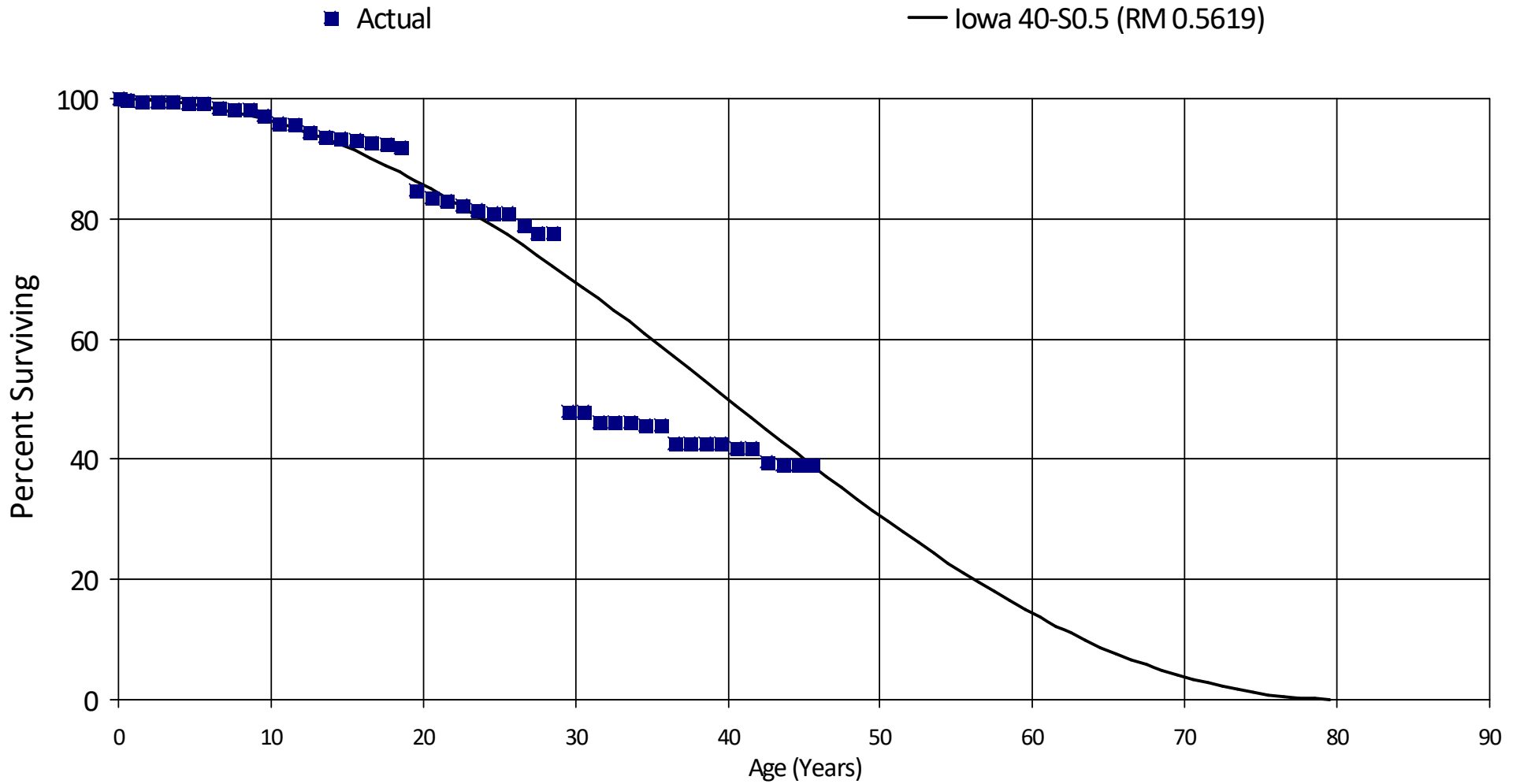
58.5	2,743,038	120,251	0.04384	0.95616	58.73
59.5	2,611,131	17,986	0.00689	0.99311	56.16
60.5	2,570,414	8,681	0.00338	0.99662	55.77
61.5	2,212,137	22,191	0.01003	0.98997	55.58
62.5	2,132,031	60,714	0.02848	0.97152	55.02
63.5	1,899,856	3,423	0.00180	0.99820	53.45
64.5	1,876,039	26,847	0.01431	0.98569	53.35
65.5	1,832,057	8,208	0.00448	0.99552	52.59
66.5	1,822,823	12,898	0.00708	0.99292	52.35
67.5	1,808,232	95,182	0.05264	0.94736	51.98
<b>Totals:</b>		15,074,723			

# American Water Works - Indiana

Account 304.400 - Structures & Improvements - T & D

Placement Band - 1913 - 2022 Experience Band - 1972 - 2022

## Actual and Smooth Survivor Curves





## American Water Works - Indiana

### Account 304.400 - Structures & Improvements - T & D

Placement Band - 1913 - 2022 Experience Band - 1972 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	5,667,499	11,636	0.00205	0.99795	100.00
0.5	5,298,938	11,511	0.00217	0.99783	99.80
1.5	5,161,899	0	0.00000	1.00000	99.58
2.5	5,138,142	7,268	0.00141	0.99859	99.58
3.5	4,696,286	4,777	0.00102	0.99898	99.44
4.5	4,165,309	4,916	0.00118	0.99882	99.34
5.5	3,708,649	30,505	0.00823	0.99177	99.22
6.5	3,532,225	2,223	0.00063	0.99937	98.40
7.5	3,519,661	4,083	0.00116	0.99884	98.34
8.5	3,357,522	36,291	0.01081	0.98919	98.23
9.5	3,196,784	37,613	0.01177	0.98823	97.17
10.5	2,998,051	13,854	0.00462	0.99538	96.03
11.5	2,983,407	33,854	0.01135	0.98865	95.59
12.5	2,926,740	22,832	0.00780	0.99220	94.51
13.5	2,629,617	10,646	0.00405	0.99595	93.77
14.5	1,908,014	5,129	0.00269	0.99731	93.39
15.5	1,891,176	8,172	0.00432	0.99568	93.14
16.5	1,875,265	5,517	0.00294	0.99706	92.74
17.5	1,339,470	8,822	0.00659	0.99341	92.47
18.5	1,051,721	81,925	0.07790	0.92210	91.86
19.5	493,686	6,411	0.01299	0.98701	84.70
20.5	376,368	2,510	0.00667	0.99333	83.60
21.5	351,106	3,912	0.01114	0.98886	83.04
22.5	340,337	3,000	0.00881	0.99119	82.11
23.5	162,031	718	0.00443	0.99557	81.39
24.5	161,313	0	0.00000	1.00000	81.03
25.5	141,897	3,503	0.02469	0.97531	81.03
26.5	131,565	2,329	0.01770	0.98230	79.03

## American Water Works - Indiana

### Account 304.400 - Structures & Improvements - T & D

Placement Band - 1913 - 2022    Experience Band - 1972 - 2022

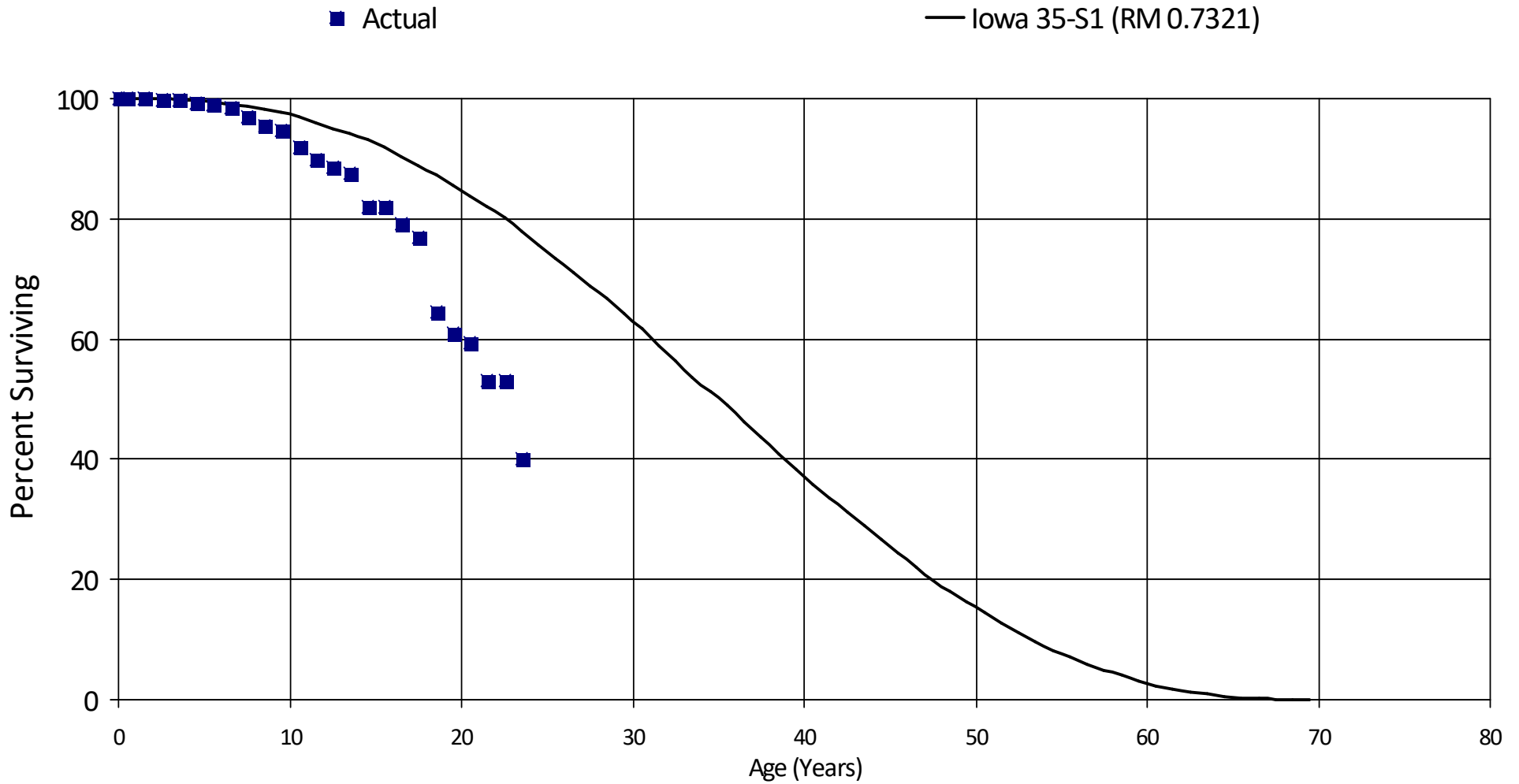
27.5	125,702	0	0.00000	1.00000	77.63
28.5	125,702	48,131	0.38290	0.61710	77.63
29.5	77,571	0	0.00000	1.00000	47.91
30.5	77,571	2,887	0.03722	0.96278	47.91
31.5	74,684	0	0.00000	1.00000	46.13
32.5	74,684	0	0.00000	1.00000	46.13
33.5	74,684	540	0.00723	0.99277	46.13
34.5	74,144	0	0.00000	1.00000	45.80
35.5	74,144	4,943	0.06667	0.93333	45.80
36.5	69,202	0	0.00000	1.00000	42.75
37.5	69,202	0	0.00000	1.00000	42.75
38.5	69,202	0	0.00000	1.00000	42.75
39.5	61,900	1,395	0.02254	0.97746	42.75
40.5	60,505	0	0.00000	1.00000	41.79
41.5	59,677	3,118	0.05225	0.94775	41.79
42.5	56,559	817	0.01445	0.98555	39.61
43.5	55,248	0	0.00000	1.00000	39.04
44.5	55,248	0	0.00000	1.00000	39.04
45.5	55,248	6,460	0.11693	0.88307	39.04
<b>Totals:</b>		<b>432,248</b>			

# American Water Works - Indiana

## Account 304.500 - Structures & Improvements - General

Placement Band - 1929 - 2022    Experience Band - 2001 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 304.500 - Structures & Improvements - General

Placement Band - 1929 - 2022 Experience Band - 2001 - 2022

### RETIREMENT RATE ANALYSIS

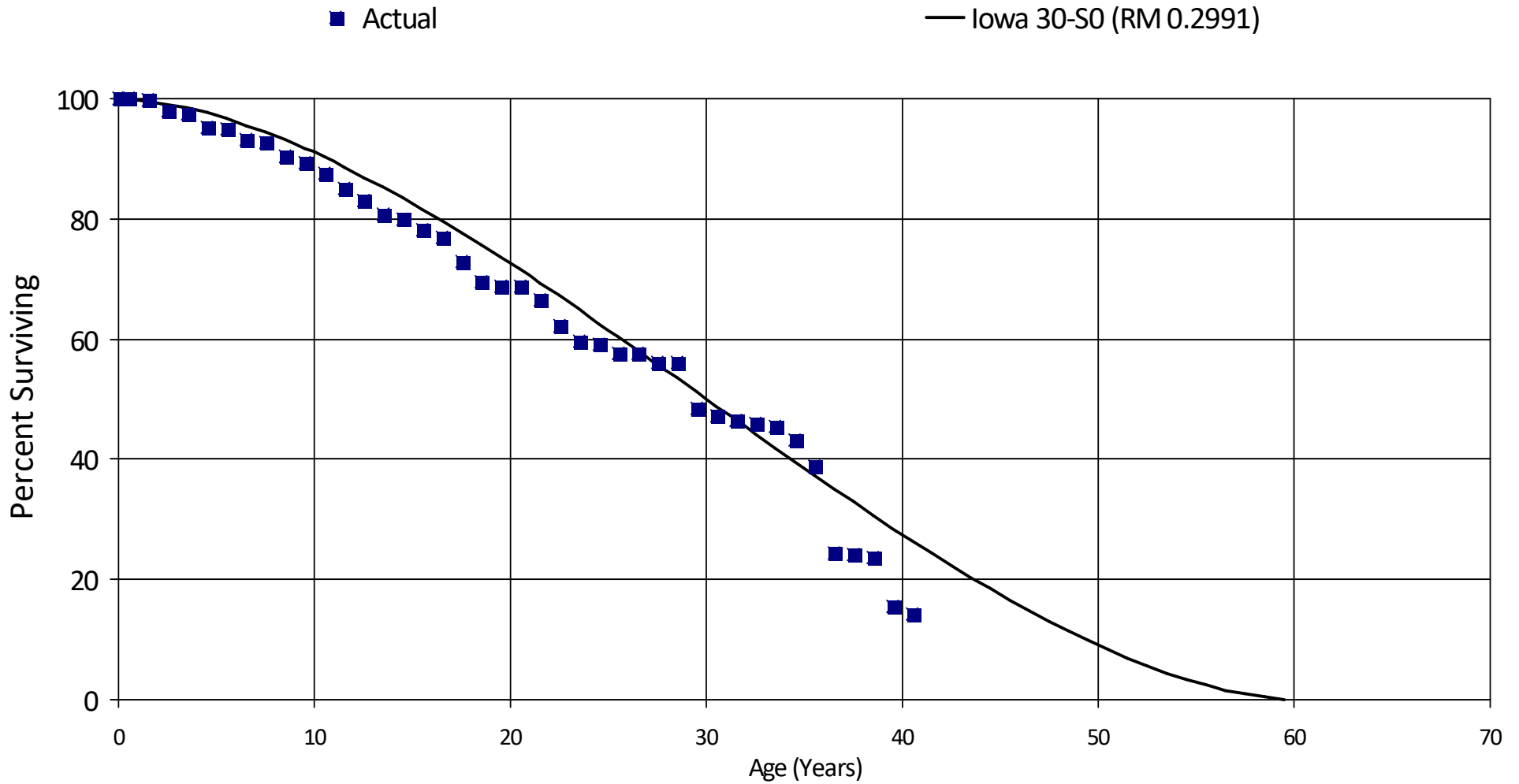
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	13,491,044	0	0.00000	1.00000	100.00
0.5	12,916,330	4,562	0.00035	0.99965	100.00
1.5	11,532,201	20,241	0.00176	0.99824	99.96
2.5	10,209,176	10,021	0.00098	0.99902	99.78
3.5	8,865,947	48,823	0.00551	0.99449	99.68
4.5	7,888,724	19,352	0.00245	0.99755	99.13
5.5	6,770,212	35,021	0.00517	0.99483	98.89
6.5	6,243,571	87,681	0.01404	0.98596	98.38
7.5	6,003,015	91,805	0.01529	0.98471	97.00
8.5	5,393,295	55,002	0.01020	0.98980	95.52
9.5	4,538,664	129,279	0.02848	0.97152	94.55
10.5	3,563,846	81,633	0.02291	0.97709	91.86
11.5	2,699,731	37,303	0.01382	0.98618	89.76
12.5	2,322,163	23,591	0.01016	0.98984	88.52
13.5	831,313	54,461	0.06551	0.93449	87.62
14.5	543,815	13	0.00002	0.99998	81.88
15.5	290,762	9,122	0.03137	0.96863	81.88
16.5	281,640	8,815	0.03130	0.96870	79.31
17.5	272,825	44,327	0.16247	0.83753	76.83
18.5	223,164	11,963	0.05361	0.94639	64.35
19.5	207,337	4,982	0.02403	0.97597	60.90
20.5	171,598	18,110	0.10554	0.89446	59.44
21.5	153,488	0	0.00000	1.00000	53.17
22.5	153,488	37,412	0.24375	0.75625	53.17
23.5	103,089	15,524	0.15059	0.84941	40.21
Totals:		849,043			

# American Water Works - Indiana

## Account 304.600 - Structures & Improvements - Offices

Placement Band - 1899 - 2022    Experience Band - 1982 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 304.600 - Structures & Improvements - Offices

Placement Band - 1899 - 2022    Experience Band - 1982 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	4,751,897	3,650	0.00077	0.99923	100.00
0.5	4,516,587	6,588	0.00146	0.99854	99.92
1.5	4,501,792	81,527	0.01811	0.98189	99.77
2.5	4,114,411	23,774	0.00578	0.99422	97.96
3.5	3,126,149	70,327	0.02250	0.97750	97.39
4.5	2,891,419	8,708	0.00301	0.99699	95.20
5.5	2,756,521	50,546	0.01834	0.98166	94.91
6.5	2,705,974	14,720	0.00544	0.99456	93.17
7.5	2,523,458	63,892	0.02532	0.97468	92.66
8.5	2,002,827	21,876	0.01092	0.98908	90.31
9.5	1,725,415	31,429	0.01822	0.98178	89.32
10.5	1,693,986	50,901	0.03005	0.96995	87.69
11.5	1,251,840	30,627	0.02447	0.97553	85.05
12.5	1,221,213	33,363	0.02732	0.97268	82.97
13.5	1,187,850	9,460	0.00796	0.99204	80.70
14.5	1,153,866	26,159	0.02267	0.97733	80.06
15.5	1,085,570	18,356	0.01691	0.98309	78.25
16.5	1,067,213	58,104	0.05444	0.94556	76.93
17.5	899,895	38,870	0.04319	0.95681	72.74
18.5	754,889	8,552	0.01133	0.98867	69.60
19.5	746,336	780	0.00105	0.99895	68.81
20.5	745,557	24,430	0.03277	0.96723	68.74
21.5	455,199	29,344	0.06446	0.93554	66.49
22.5	205,692	8,025	0.03901	0.96099	62.20
23.5	197,666	2,289	0.01158	0.98842	59.77
24.5	195,377	4,749	0.02431	0.97569	59.08
25.5	186,742	0	0.00000	1.00000	57.64
26.5	186,742	4,619	0.02473	0.97527	57.64

## American Water Works - Indiana

### Account 304.600 - Structures & Improvements - Offices

Placement Band - 1899 - 2022    Experience Band - 1982 - 2022

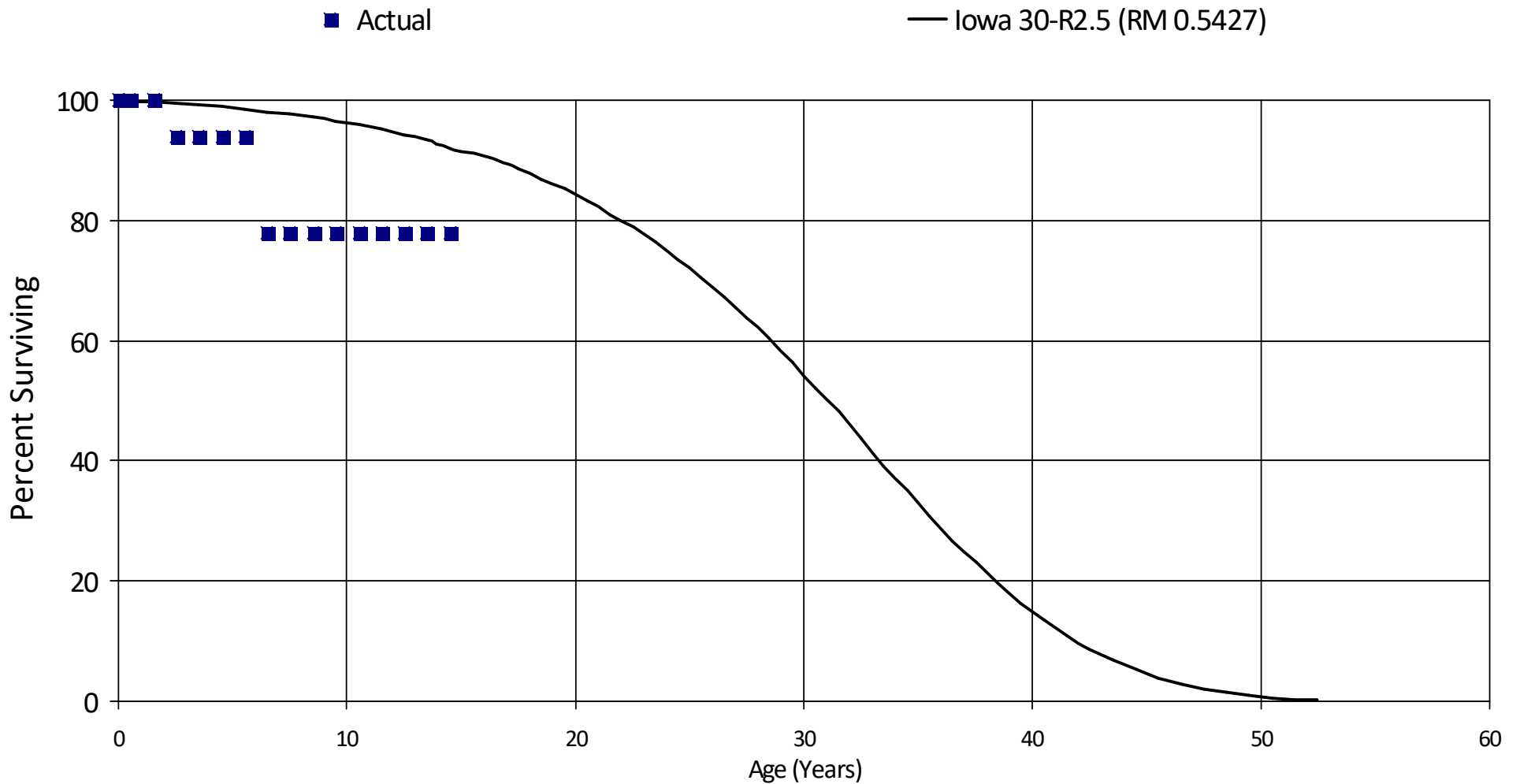
27.5	182,122	131	0.00072	0.99928	56.21
28.5	181,991	24,928	0.13697	0.86303	56.17
29.5	157,063	4,192	0.02669	0.97331	48.48
30.5	152,872	2,382	0.01558	0.98442	47.19
31.5	150,489	1,581	0.01051	0.98949	46.45
32.5	148,908	1,726	0.01159	0.98841	45.96
33.5	147,183	7,047	0.04788	0.95212	45.43
34.5	140,135	14,218	0.10146	0.89854	43.25
35.5	123,169	45,909	0.37273	0.62727	38.86
36.5	77,260	798	0.01033	0.98967	24.38
37.5	76,462	1,663	0.02175	0.97825	24.13
38.5	74,799	25,565	0.34178	0.65822	23.61
39.5	49,234	4,043	0.08212	0.91788	15.54
40.5	45,191	549	0.01215	0.98785	14.26
Totals:		860,397			

# American Water Works - Indiana

## Account 304.610 - Structures & Improvements - HVAC

Placement Band - 2007 - 2022    Experience Band - 2013 - 2022

### Actual and Smooth Survivor Curves





## American Water Works - Indiana

### Account 304.610 - Structures & Improvements - HVAC

Placement Band - 2007 - 2022    Experience Band - 2013 - 2022

### RETIREMENT RATE ANALYSIS

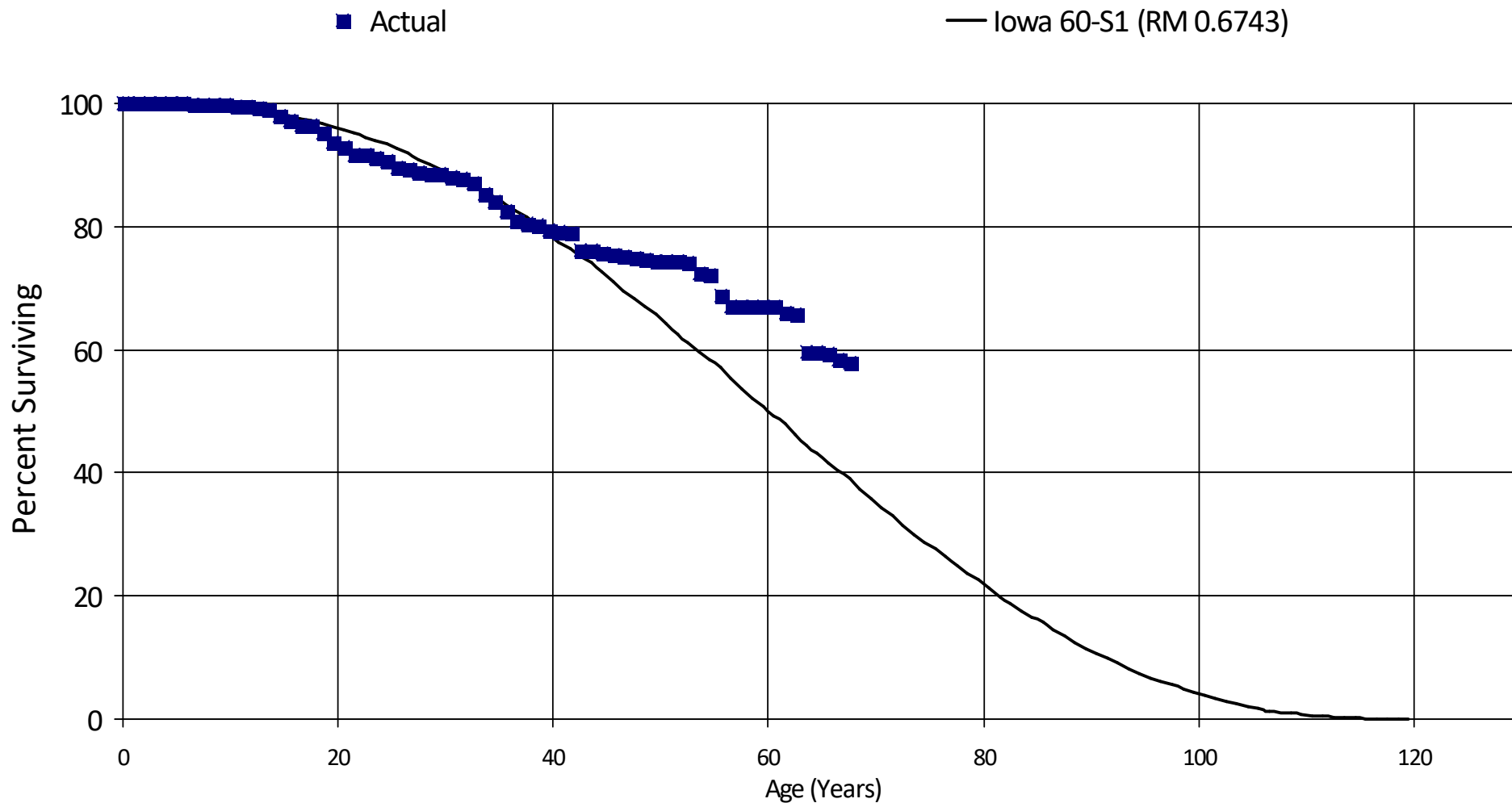
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	4,220,118	0	0.00000	1.00000	100.00
0.5	1,177,284	0	0.00000	1.00000	100.00
1.5	998,948	59,626	0.05969	0.94031	100.00
2.5	591,942	894	0.00151	0.99849	94.03
3.5	2,188	0	0.00000	1.00000	93.89
4.5	2,188	0	0.00000	1.00000	93.89
5.5	2,188	373	0.17044	0.82956	93.89
6.5	1,816	0	0.00000	1.00000	77.89
7.5	1,816	0	0.00000	1.00000	77.89
8.5	1,816	0	0.00000	1.00000	77.89
9.5	1,816	0	0.00000	1.00000	77.89
10.5	1,816	0	0.00000	1.00000	77.89
11.5	1,816	0	0.00000	1.00000	77.89
12.5	1,816	0	0.00000	1.00000	77.89
13.5	1,816	0	0.00000	1.00000	77.89
14.5	1,816	0	0.00000	1.00000	77.89
<b>Totals:</b>		60,893			

# American Water Works - Indiana

## Account 304.700 - Structures & Improvements - Stores, Shop & Garage

Placement Band - 1915 - 2022 Experience Band - 1984 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 304.700 - Structures & Improvements - Stores, Shop & Garage

Placement Band - 1915 - 2022 Experience Band - 1984 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	10,179,575	0	0.00000	1.00000	100.00
0.5	10,163,268	0	0.00000	1.00000	100.00
1.5	9,707,088	0	0.00000	1.00000	100.00
2.5	9,707,088	3,026	0.00031	0.99969	100.00
3.5	8,225,918	4,026	0.00049	0.99951	99.97
4.5	8,042,682	171	0.00002	0.99998	99.92
5.5	8,027,830	4,338	0.00054	0.99946	99.92
6.5	7,941,760	80	0.00001	0.99999	99.87
7.5	7,914,212	1,358	0.00017	0.99983	99.87
8.5	7,888,421	13,541	0.00172	0.99828	99.85
9.5	7,759,824	10,371	0.00134	0.99866	99.68
10.5	7,709,819	3,721	0.00048	0.99952	99.55
11.5	6,468,339	10,865	0.00168	0.99832	99.50
12.5	6,399,901	14,370	0.00225	0.99775	99.33
13.5	5,003,713	58,041	0.01160	0.98840	99.11
14.5	4,823,885	33,507	0.00695	0.99305	97.96
15.5	4,708,595	43,155	0.00917	0.99083	97.28
16.5	4,641,418	2,346	0.00051	0.99949	96.39
17.5	4,596,592	56,117	0.01221	0.98779	96.34
18.5	4,528,559	77,338	0.01708	0.98292	95.16
19.5	4,451,220	34,712	0.00780	0.99220	93.53
20.5	4,416,508	51,432	0.01165	0.98835	92.80
21.5	4,356,777	8,209	0.00188	0.99812	91.72
22.5	4,348,568	23,981	0.00551	0.99449	91.55
23.5	4,271,682	18,890	0.00442	0.99558	91.05
24.5	4,076,626	41,813	0.01026	0.98974	90.65
25.5	3,988,304	12,989	0.00326	0.99674	89.72
26.5	3,610,028	25,947	0.00719	0.99281	89.43

## American Water Works - Indiana

### Account 304.700 - Structures & Improvements - Stores, Shop & Garage

Placement Band - 1915 - 2022    Experience Band - 1984 - 2022

27.5	3,567,030	10,958	0.00307	0.99693	88.79
28.5	3,535,189	823	0.00023	0.99977	88.52
29.5	3,506,317	21,289	0.00607	0.99393	88.50
30.5	3,448,745	4,478	0.00130	0.99870	87.96
31.5	3,414,773	28,666	0.00839	0.99161	87.85
32.5	3,353,576	72,526	0.02163	0.97837	87.11
33.5	3,247,923	46,436	0.01430	0.98570	85.23
34.5	2,849,710	53,401	0.01874	0.98126	84.01
35.5	2,795,333	51,501	0.01842	0.98158	82.44
36.5	2,739,707	14,924	0.00545	0.99455	80.92
37.5	2,410,681	10,511	0.00436	0.99564	80.48
38.5	2,399,148	24,010	0.01001	0.98999	80.13
39.5	2,375,138	719	0.00030	0.99970	79.33
40.5	2,320,386	10,822	0.00466	0.99534	79.31
41.5	2,299,131	78,966	0.03435	0.96565	78.94
42.5	2,220,165	4,349	0.00196	0.99804	76.23
43.5	2,215,816	15,475	0.00698	0.99302	76.08
44.5	2,195,399	2,673	0.00122	0.99878	75.55
45.5	2,192,726	7,674	0.00350	0.99650	75.46
46.5	2,176,235	11,287	0.00519	0.99481	75.20
47.5	2,148,727	8,643	0.00402	0.99598	74.81
48.5	1,701,411	1,650	0.00097	0.99903	74.51
49.5	481,017	637	0.00132	0.99868	74.44
50.5	394,370	261	0.00066	0.99934	74.34
51.5	319,262	604	0.00189	0.99811	74.29
52.5	318,658	7,719	0.02422	0.97578	74.15
53.5	306,288	986	0.00322	0.99678	72.35
54.5	294,284	13,499	0.04587	0.95413	72.12
55.5	274,771	6,977	0.02539	0.97461	68.81
56.5	254,400	283	0.00111	0.99889	67.06
57.5	253,073	116	0.00046	0.99954	66.99

## American Water Works - Indiana

### Account 304.700 - Structures & Improvements - Stores, Shop & Garage

Placement Band - 1915 - 2022    Experience Band - 1984 - 2022

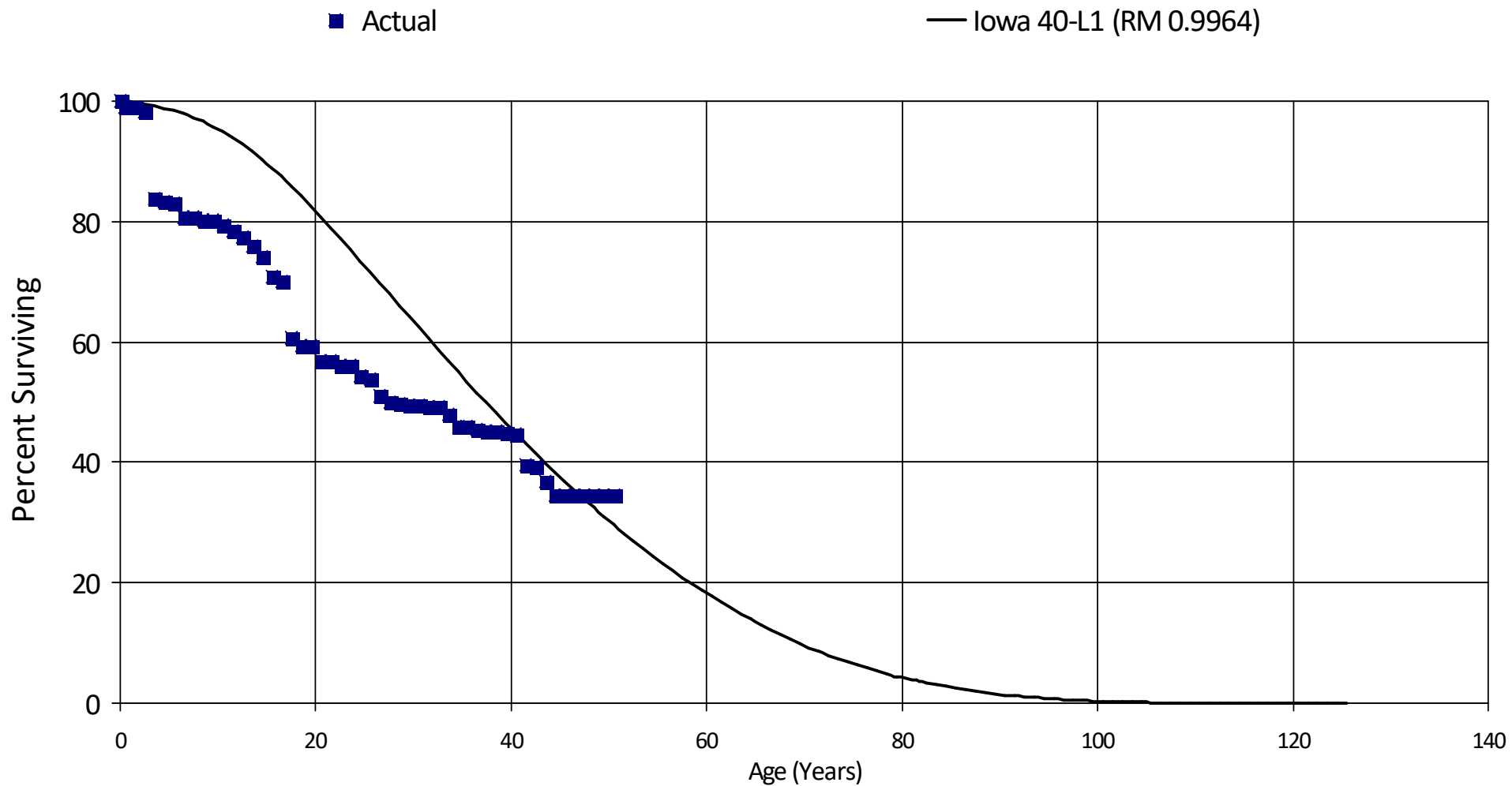
58.5	252,957	150	0.00059	0.99941	66.96
59.5	252,281	150	0.00059	0.99941	66.92
60.5	251,785	3,332	0.01323	0.98677	66.88
61.5	193,557	531	0.00274	0.99726	66.00
62.5	159,451	14,892	0.09340	0.90660	65.82
63.5	144,422	230	0.00159	0.99841	59.67
64.5	143,852	251	0.00174	0.99826	59.58
65.5	142,680	2,624	0.01839	0.98161	59.48
66.5	139,685	1,317	0.00943	0.99057	58.39
67.5	138,367	439	0.00317	0.99683	57.84
<b>Totals:</b>		<b>1,091,123</b>			

# American Water Works - Indiana

## Account 304.800 - Structures & Improvements - Misc.

Placement Band - 1942 - 2022    Experience Band - 1972 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 304.800 - Structures & Improvements - Misc.

Placement Band - 1942 - 2022 Experience Band - 1972 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	2,047,359	22,374	0.01093	0.98907	100.00
0.5	1,567,655	0	0.00000	1.00000	98.91
1.5	1,068,032	8,343	0.00781	0.99219	98.91
2.5	962,984	142,391	0.14786	0.85214	98.14
3.5	667,707	3,433	0.00514	0.99486	83.63
4.5	664,274	1,671	0.00252	0.99748	83.20
5.5	662,603	18,660	0.02816	0.97184	82.99
6.5	643,943	0	0.00000	1.00000	80.65
7.5	643,943	3,258	0.00506	0.99494	80.65
8.5	640,685	476	0.00074	0.99926	80.24
9.5	640,208	4,938	0.00771	0.99229	80.18
10.5	635,271	8,352	0.01315	0.98685	79.56
11.5	626,918	7,959	0.01270	0.98730	78.51
12.5	618,959	11,952	0.01931	0.98069	77.51
13.5	607,007	14,574	0.02401	0.97599	76.01
14.5	589,174	26,811	0.04551	0.95449	74.18
15.5	536,170	6,356	0.01185	0.98815	70.80
16.5	448,100	59,339	0.13242	0.86758	69.96
17.5	276,221	6,236	0.02258	0.97742	60.70
18.5	269,985	0	0.00000	1.00000	59.33
19.5	269,985	10,790	0.03997	0.96003	59.33
20.5	259,195	0	0.00000	1.00000	56.96
21.5	259,195	3,501	0.01351	0.98649	56.96
22.5	255,694	295	0.00115	0.99885	56.19
23.5	255,399	8,246	0.03229	0.96771	56.13
24.5	247,153	2,454	0.00993	0.99007	54.32
25.5	231,080	12,100	0.05236	0.94764	53.78
26.5	218,980	3,678	0.01680	0.98320	50.96

## American Water Works - Indiana

### Account 304.800 - Structures & Improvements - Misc.

Placement Band - 1942 - 2022    Experience Band - 1972 - 2022

27.5	209,361	1,422	0.00679	0.99321	50.10
28.5	207,939	1,444	0.00694	0.99306	49.76
29.5	205,502	0	0.00000	1.00000	49.41
30.5	205,502	773	0.00376	0.99624	49.41
31.5	203,904	0	0.00000	1.00000	49.22
32.5	203,904	5,473	0.02684	0.97316	49.22
33.5	196,684	8,289	0.04214	0.95786	47.90
34.5	188,395	0	0.00000	1.00000	45.88
35.5	179,536	2,193	0.01221	0.98779	45.88
36.5	145,446	125	0.00086	0.99914	45.32
37.5	141,230	0	0.00000	1.00000	45.28
38.5	141,230	726	0.00514	0.99486	45.28
39.5	138,754	955	0.00688	0.99312	45.05
40.5	137,799	15,846	0.11499	0.88501	44.74
41.5	121,230	943	0.00778	0.99222	39.60
42.5	116,253	7,452	0.06410	0.93590	39.29
43.5	108,801	6,745	0.06199	0.93801	36.77
44.5	101,533	0	0.00000	1.00000	34.49
45.5	101,506	0	0.00000	1.00000	34.49
46.5	101,386	0	0.00000	1.00000	34.49
47.5	101,386	0	0.00000	1.00000	34.49
48.5	100,524	36	0.00036	0.99964	34.49
49.5	100,488	0	0.00000	1.00000	34.48
50.5	31,907	0	0.00000	1.00000	34.48
Totals:		440,609			

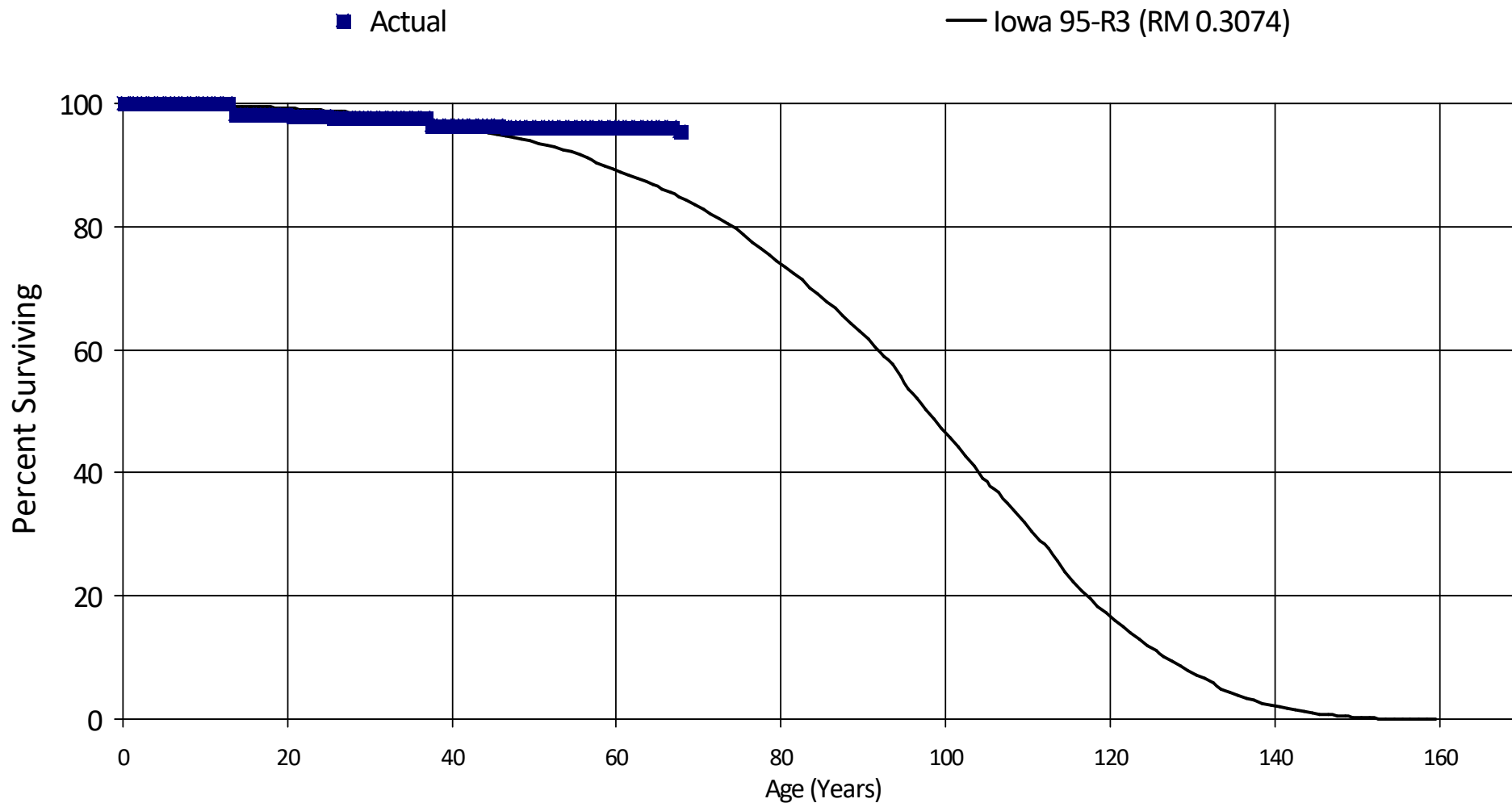


# American Water Works - Indiana

## Account 305.000 - Collecting and Impounding Reservoirs

Placement Band - 1917 - 2022    Experience Band - 1989 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 305.000 - Collecting and Impounding Reservoirs

Placement Band - 1917 - 2022 Experience Band - 1989 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	10,747,849	0	0.00000	1.00000	100.00
0.5	10,747,849	0	0.00000	1.00000	100.00
1.5	10,747,849	0	0.00000	1.00000	100.00
2.5	10,747,849	0	0.00000	1.00000	100.00
3.5	10,714,146	0	0.00000	1.00000	100.00
4.5	10,714,146	0	0.00000	1.00000	100.00
5.5	10,714,146	0	0.00000	1.00000	100.00
6.5	10,647,805	0	0.00000	1.00000	100.00
7.5	10,647,805	0	0.00000	1.00000	100.00
8.5	10,647,805	0	0.00000	1.00000	100.00
9.5	10,647,805	0	0.00000	1.00000	100.00
10.5	8,188,682	0	0.00000	1.00000	100.00
11.5	8,188,682	0	0.00000	1.00000	100.00
12.5	8,172,175	153,893	0.01883	0.98117	100.00
13.5	8,018,282	0	0.00000	1.00000	98.12
14.5	7,784,236	0	0.00000	1.00000	98.12
15.5	7,784,236	0	0.00000	1.00000	98.12
16.5	7,784,236	0	0.00000	1.00000	98.12
17.5	7,784,236	134	0.00002	0.99998	98.12
18.5	7,784,103	0	0.00000	1.00000	98.12
19.5	7,784,103	16,199	0.00208	0.99792	98.12
20.5	7,767,903	0	0.00000	1.00000	97.92
21.5	7,767,903	0	0.00000	1.00000	97.92
22.5	7,767,903	1,583	0.00020	0.99980	97.92
23.5	7,766,320	0	0.00000	1.00000	97.90
24.5	7,749,575	18,027	0.00233	0.99767	97.90
25.5	7,731,547	1,031	0.00013	0.99987	97.67
26.5	7,730,516	0	0.00000	1.00000	97.66

## American Water Works - Indiana

### Account 305.000 - Collecting and Impounding Reservoirs

Placement Band - 1917 - 2022    Experience Band - 1989 - 2022

27.5	7,568,415	0	0.00000	1.00000	97.66
28.5	7,550,837	0	0.00000	1.00000	97.66
29.5	7,550,837	0	0.00000	1.00000	97.66
30.5	7,465,806	0	0.00000	1.00000	97.66
31.5	7,299,988	0	0.00000	1.00000	97.66
32.5	7,102,488	3,602	0.00051	0.99949	97.66
33.5	6,898,550	0	0.00000	1.00000	97.61
34.5	6,798,581	0	0.00000	1.00000	97.61
35.5	6,395,827	0	0.00000	1.00000	97.61
36.5	6,140,113	72,973	0.01188	0.98812	97.61
37.5	6,049,965	0	0.00000	1.00000	96.45
38.5	6,049,965	0	0.00000	1.00000	96.45
39.5	6,028,184	0	0.00000	1.00000	96.45
40.5	6,026,844	0	0.00000	1.00000	96.45
41.5	5,952,544	23	0.00000	1.00000	96.45
42.5	5,948,280	251	0.00004	0.99996	96.45
43.5	5,948,030	7,122	0.00120	0.99880	96.45
44.5	5,883,411	0	0.00000	1.00000	96.33
45.5	5,818,939	4,024	0.00069	0.99931	96.33
46.5	5,590,606	610	0.00011	0.99989	96.26
47.5	5,322,472	135	0.00003	0.99997	96.25
48.5	5,031,373	1,001	0.00020	0.99980	96.25
49.5	4,994,080	2,599	0.00052	0.99948	96.23
50.5	4,991,481	0	0.00000	1.00000	96.18
51.5	4,990,808	0	0.00000	1.00000	96.18
52.5	4,903,720	0	0.00000	1.00000	96.18
53.5	4,903,720	0	0.00000	1.00000	96.18
54.5	4,903,720	0	0.00000	1.00000	96.18
55.5	4,903,720	0	0.00000	1.00000	96.18
56.5	4,891,280	0	0.00000	1.00000	96.18
57.5	4,873,429	405	0.00008	0.99992	96.18

## American Water Works - Indiana

### Account 305.000 - Collecting and Impounding Reservoirs

Placement Band - 1917 - 2022    Experience Band - 1989 - 2022

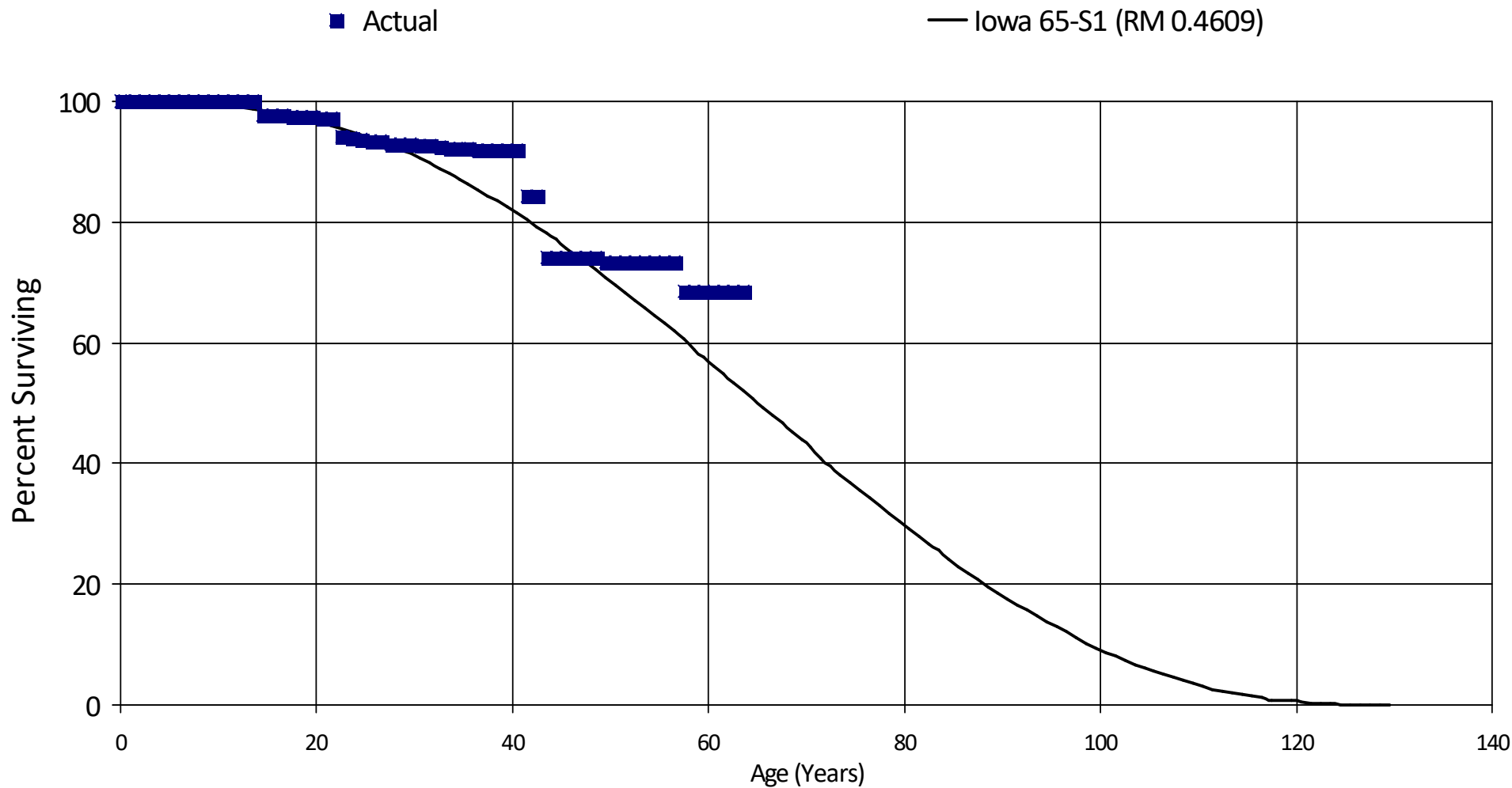
58.5	4,866,883	0	0.00000	1.00000	96.17
59.5	4,866,883	0	0.00000	1.00000	96.17
60.5	4,799,630	0	0.00000	1.00000	96.17
61.5	3,036,925	0	0.00000	1.00000	96.17
62.5	1,609,259	0	0.00000	1.00000	96.17
63.5	1,286,036	0	0.00000	1.00000	96.17
64.5	298,806	0	0.00000	1.00000	96.17
65.5	298,806	1	0.00000	1.00000	96.17
66.5	298,805	2,609	0.00873	0.99127	96.17
67.5	51,257	0	0.00000	1.00000	95.33
<b>Totals:</b>		286,222			

# American Water Works - Indiana

## Account 306.000 - Lake, River, and Other Intakes

Placement Band - 1904 - 2022    Experience Band - 1979 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 306.000 - Lake, River, and Other Intakes

Placement Band - 1904 - 2022    Experience Band - 1979 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	54,034,458	0	0.00000	1.00000	100.00
0.5	54,034,458	0	0.00000	1.00000	100.00
1.5	54,034,458	0	0.00000	1.00000	100.00
2.5	54,034,458	1,919	0.00004	0.99996	100.00
3.5	52,532,544	0	0.00000	1.00000	100.00
4.5	52,483,360	0	0.00000	1.00000	100.00
5.5	52,433,710	4,833	0.00009	0.99991	100.00
6.5	50,368,830	0	0.00000	1.00000	99.99
7.5	50,368,830	0	0.00000	1.00000	99.99
8.5	50,328,658	0	0.00000	1.00000	99.99
9.5	50,308,792	0	0.00000	1.00000	99.99
10.5	50,298,516	6,036	0.00012	0.99988	99.99
11.5	50,292,481	1	0.00000	1.00000	99.98
12.5	50,292,480	0	0.00000	1.00000	99.98
13.5	50,292,480	1,075,930	0.02139	0.97861	99.98
14.5	49,216,550	10,775	0.00022	0.99978	97.84
15.5	49,205,775	74,923	0.00152	0.99848	97.82
16.5	49,130,852	141,975	0.00289	0.99711	97.67
17.5	48,988,876	0	0.00000	1.00000	97.39
18.5	48,988,876	0	0.00000	1.00000	97.39
19.5	48,984,044	149,734	0.00306	0.99694	97.39
20.5	48,834,310	1,764	0.00004	0.99996	97.09
21.5	5,442,797	157,953	0.02902	0.97098	97.09
22.5	5,284,845	18,662	0.00353	0.99647	94.27
23.5	5,266,182	12,292	0.00233	0.99767	93.94
24.5	5,246,917	18,868	0.00360	0.99640	93.72
25.5	5,228,049	0	0.00000	1.00000	93.38
26.5	5,228,049	25,820	0.00494	0.99506	93.38

## American Water Works - Indiana

### Account 306.000 - Lake, River, and Other Intakes

Placement Band - 1904 - 2022    Experience Band - 1979 - 2022

27.5	5,202,228	0	0.00000	1.00000	92.92
28.5	5,202,228	8,292	0.00159	0.99841	92.92
29.5	5,193,937	13,706	0.00264	0.99736	92.77
30.5	5,180,230	742	0.00014	0.99986	92.53
31.5	1,850,931	4,396	0.00238	0.99762	92.52
32.5	1,846,535	3,703	0.00201	0.99799	92.30
33.5	1,842,832	0	0.00000	1.00000	92.11
34.5	1,842,832	467	0.00025	0.99975	92.11
35.5	1,842,366	4,284	0.00233	0.99767	92.09
36.5	1,771,589	2,114	0.00119	0.99881	91.88
37.5	1,768,736	0	0.00000	1.00000	91.77
38.5	1,726,436	212	0.00012	0.99988	91.77
39.5	1,726,224	0	0.00000	1.00000	91.76
40.5	1,726,224	143,155	0.08293	0.91707	91.76
41.5	1,583,069	0	0.00000	1.00000	84.15
42.5	1,583,069	188,109	0.11883	0.88117	84.15
43.5	1,394,960	0	0.00000	1.00000	74.15
44.5	1,394,428	0	0.00000	1.00000	74.15
45.5	1,394,428	0	0.00000	1.00000	74.15
46.5	1,394,428	155	0.00011	0.99989	74.15
47.5	1,394,273	427	0.00031	0.99969	74.14
48.5	1,393,846	12,309	0.00883	0.99117	74.12
49.5	1,381,537	0	0.00000	1.00000	73.47
50.5	1,381,537	19	0.00001	0.99999	73.47
51.5	1,242,559	0	0.00000	1.00000	73.47
52.5	1,242,559	0	0.00000	1.00000	73.47
53.5	1,242,559	0	0.00000	1.00000	73.47
54.5	1,242,559	0	0.00000	1.00000	73.47
55.5	1,239,898	0	0.00000	1.00000	73.47
56.5	1,239,898	84,352	0.06803	0.93197	73.47
57.5	1,155,546	0	0.00000	1.00000	68.47

## American Water Works - Indiana

### Account 306.000 - Lake, River, and Other Intakes

Placement Band - 1904 - 2022    Experience Band - 1979 - 2022

58.5	1,155,546	0	0.00000	1.00000	68.47
59.5	630,188	0	0.00000	1.00000	68.47
60.5	629,305	0	0.00000	1.00000	68.47
61.5	621,415	0	0.00000	1.00000	68.47
62.5	536,294	0	0.00000	1.00000	68.47
63.5	510,064	1,744	0.00342	0.99658	68.47
<b>Totals:</b>		<b>2,169,671</b>			



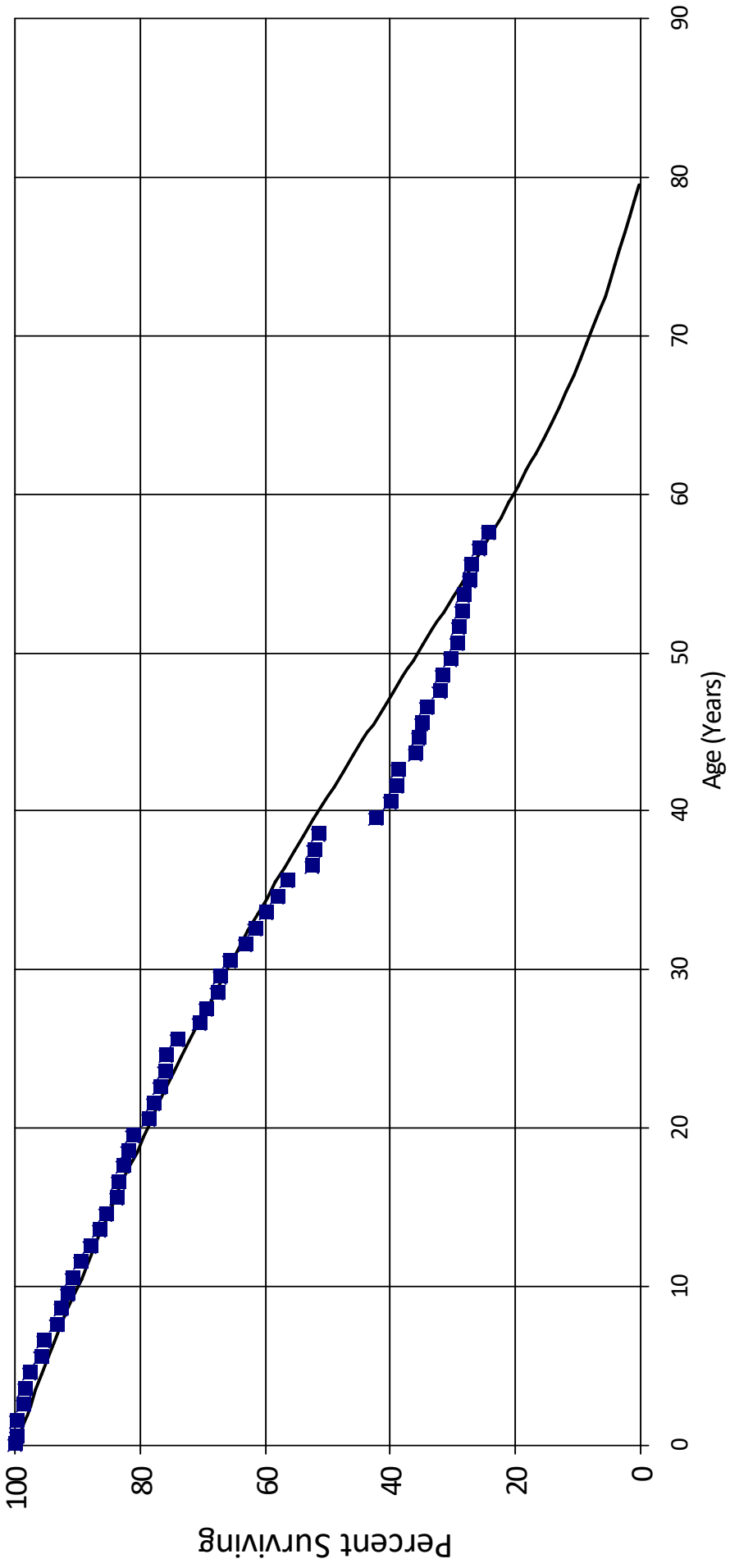
# American Water Works - Indiana

## Account 307.000 - Wells and Springs

Placement Band - 1900 - 2022 Experience Band - 1968 - 2022

### Actual and Smooth Survivor Curves

■ Actual — Iowa 40-R0.5 (RM 0.3063)



# American Water Works - Indiana

## Account 307.000 - Wells and Springs

Placement Band - 1900 - 2022 Experience Band - 1968 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	25,739,491	74,892	0.00291	0.99709	100.00
0.5	25,494,963	16,997	0.00067	0.99933	99.71
1.5	24,844,827	206,358	0.00831	0.99169	99.64
2.5	22,281,473	67,504	0.00303	0.99697	98.81
3.5	20,973,529	154,565	0.00737	0.99263	98.51
4.5	20,275,736	389,566	0.01921	0.98079	97.78
5.5	19,509,353	110,419	0.00566	0.99434	95.90
6.5	19,213,514	376,851	0.01961	0.98039	95.36
7.5	17,963,472	170,054	0.00947	0.99053	93.49
8.5	17,576,953	193,008	0.01098	0.98902	92.60
9.5	16,503,604	120,246	0.00729	0.99271	91.58
10.5	16,223,604	223,410	0.01377	0.98623	90.91
11.5	14,553,193	274,775	0.01888	0.98112	89.66
12.5	13,717,885	229,791	0.01675	0.98325	87.97
13.5	10,187,063	106,592	0.01046	0.98954	86.50
14.5	9,812,723	213,002	0.02171	0.97829	85.60
15.5	9,561,297	26,140	0.00273	0.99727	83.74
16.5	8,969,168	79,778	0.00889	0.99111	83.51
17.5	8,108,092	86,783	0.01070	0.98930	82.77
18.5	7,914,118	75,379	0.00952	0.99048	81.88
19.5	7,796,242	239,599	0.03073	0.96927	81.10
20.5	6,876,209	65,432	0.00952	0.99048	78.61
21.5	6,286,907	69,090	0.01099	0.98901	77.86
22.5	6,055,259	77,459	0.01279	0.98721	77.00
23.5	5,355,757	17,451	0.00326	0.99674	76.02
24.5	4,768,933	96,839	0.02031	0.97969	75.77
25.5	4,130,812	205,008	0.04963	0.95037	74.23
26.5	3,200,882	47,280	0.01477	0.98523	70.55

## American Water Works - Indiana

### Account 307.000 - Wells and Springs

Placement Band - 1900 - 2022    Experience Band - 1968 - 2022

27.5	2,840,681	76,589	0.02696	0.97304	69.51
28.5	2,463,732	14,087	0.00572	0.99428	67.64
29.5	2,388,525	55,163	0.02310	0.97690	67.25
30.5	2,311,813	88,752	0.03839	0.96161	65.70
31.5	2,182,533	55,755	0.02555	0.97445	63.18
32.5	1,968,048	51,861	0.02635	0.97365	61.57
33.5	1,888,193	58,389	0.03092	0.96908	59.95
34.5	1,823,075	44,479	0.02440	0.97560	58.10
35.5	1,747,088	126,639	0.07249	0.92751	56.68
36.5	1,618,767	12,152	0.00751	0.99249	52.57
37.5	1,511,535	21,986	0.01455	0.98545	52.18
38.5	1,303,274	232,227	0.17819	0.82181	51.42
39.5	1,068,858	53,400	0.04996	0.95004	42.26
40.5	1,015,452	25,580	0.02519	0.97481	40.15
41.5	982,685	6,673	0.00679	0.99321	39.14
42.5	893,798	62,206	0.06960	0.93040	38.87
43.5	817,654	15,989	0.01955	0.98045	36.16
44.5	784,440	10,030	0.01279	0.98721	35.45
45.5	657,256	11,913	0.01813	0.98187	35.00
46.5	623,547	40,110	0.06433	0.93567	34.37
47.5	580,394	6,186	0.01066	0.98934	32.16
48.5	549,246	25,368	0.04619	0.95381	31.82
49.5	523,878	16,464	0.03143	0.96857	30.35
50.5	507,414	5,740	0.01131	0.98869	29.40
51.5	499,157	7,764	0.01555	0.98445	29.07
52.5	491,392	4,736	0.00964	0.99036	28.62
53.5	305,594	10,081	0.03299	0.96701	28.34
54.5	295,513	2,687	0.00909	0.99091	27.41
55.5	292,826	12,682	0.04331	0.95669	27.16
56.5	279,434	18,012	0.06446	0.93554	25.98
57.5	247,649	6,789	0.02741	0.97259	24.31

# American Water Works - Indiana

## Account 307.000 - Wells and Springs

Placement Band - 1900 - 2022    Experience Band - 1968 - 2022

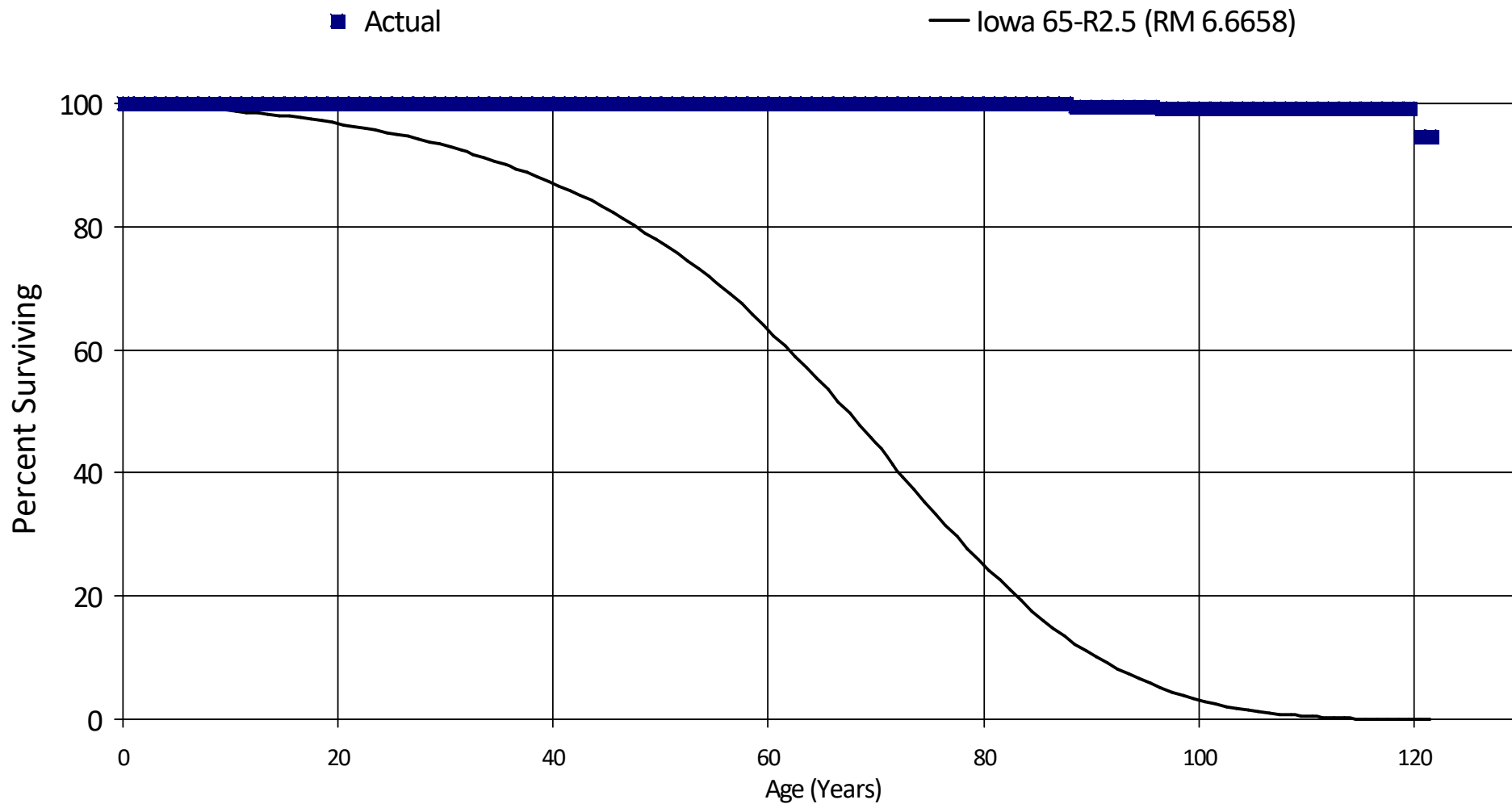
Totals:

# American Water Works - Indiana

## Account 308.000 - Infiltration Galleries and Tunnels

Placement Band - 1900 - 2022 Experience Band - 2009 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 308.000 - Infiltration Galleries and Tunnels

Placement Band - 1900 - 2022 Experience Band - 2009 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	72,312	0	0.00000	1.00000	100.00
0.5	72,312	0	0.00000	1.00000	100.00
1.5	72,312	0	0.00000	1.00000	100.00
2.5	72,312	0	0.00000	1.00000	100.00
3.5	61,809	0	0.00000	1.00000	100.00
4.5	61,809	0	0.00000	1.00000	100.00
5.5	61,809	0	0.00000	1.00000	100.00
6.5	61,809	0	0.00000	1.00000	100.00
7.5	61,809	0	0.00000	1.00000	100.00
8.5	61,809	0	0.00000	1.00000	100.00
9.5	17,927	0	0.00000	1.00000	100.00
10.5	17,927	0	0.00000	1.00000	100.00
11.5	17,927	0	0.00000	1.00000	100.00
12.5	17,927	0	0.00000	1.00000	100.00
13.5	17,927	0	0.00000	1.00000	100.00
14.5	17,927	0	0.00000	1.00000	100.00
15.5	17,927	0	0.00000	1.00000	100.00
16.5	17,927	0	0.00000	1.00000	100.00
17.5	17,927	0	0.00000	1.00000	100.00
18.5	17,927	0	0.00000	1.00000	100.00
19.5	17,927	0	0.00000	1.00000	100.00
20.5	17,927	0	0.00000	1.00000	100.00
21.5	17,927	0	0.00000	1.00000	100.00
22.5	17,927	0	0.00000	1.00000	100.00
23.5	17,927	0	0.00000	1.00000	100.00
24.5	17,927	0	0.00000	1.00000	100.00
25.5	17,927	0	0.00000	1.00000	100.00
26.5	17,927	0	0.00000	1.00000	100.00

## American Water Works - Indiana

### Account 308.000 - Infiltration Galleries and Tunnels

Placement Band - 1900 - 2022    Experience Band - 2009 - 2022

27.5	17,927	0	0.00000	1.00000	100.00
28.5	17,927	0	0.00000	1.00000	100.00
29.5	17,927	0	0.00000	1.00000	100.00
30.5	17,927	0	0.00000	1.00000	100.00
31.5	17,927	0	0.00000	1.00000	100.00
32.5	17,927	0	0.00000	1.00000	100.00
33.5	17,927	0	0.00000	1.00000	100.00
34.5	17,927	0	0.00000	1.00000	100.00
35.5	17,927	0	0.00000	1.00000	100.00
36.5	17,927	0	0.00000	1.00000	100.00
37.5	17,927	0	0.00000	1.00000	100.00
38.5	17,927	0	0.00000	1.00000	100.00
39.5	17,927	0	0.00000	1.00000	100.00
40.5	17,927	0	0.00000	1.00000	100.00
41.5	17,927	0	0.00000	1.00000	100.00
42.5	17,927	0	0.00000	1.00000	100.00
43.5	17,927	0	0.00000	1.00000	100.00
44.5	17,927	0	0.00000	1.00000	100.00
45.5	17,927	0	0.00000	1.00000	100.00
46.5	17,927	0	0.00000	1.00000	100.00
47.5	17,927	0	0.00000	1.00000	100.00
48.5	17,927	0	0.00000	1.00000	100.00
49.5	17,927	0	0.00000	1.00000	100.00
50.5	17,927	0	0.00000	1.00000	100.00
51.5	17,927	0	0.00000	1.00000	100.00
52.5	17,927	0	0.00000	1.00000	100.00
53.5	17,927	0	0.00000	1.00000	100.00
54.5	17,927	0	0.00000	1.00000	100.00
55.5	17,927	0	0.00000	1.00000	100.00
56.5	17,927	0	0.00000	1.00000	100.00
57.5	17,927	0	0.00000	1.00000	100.00

## American Water Works - Indiana

### Account 308.000 - Infiltration Galleries and Tunnels

Placement Band - 1900 - 2022    Experience Band - 2009 - 2022

58.5	17,927	0	0.00000	1.00000	100.00
59.5	17,927	0	0.00000	1.00000	100.00
60.5	17,927	0	0.00000	1.00000	100.00
61.5	17,608	0	0.00000	1.00000	100.00
62.5	17,608	0	0.00000	1.00000	100.00
63.5	17,608	0	0.00000	1.00000	100.00
64.5	17,045	0	0.00000	1.00000	100.00
65.5	17,045	0	0.00000	1.00000	100.00
66.5	17,045	0	0.00000	1.00000	100.00
67.5	17,045	0	0.00000	1.00000	100.00
68.5	17,045	0	0.00000	1.00000	100.00
69.5	17,045	0	0.00000	1.00000	100.00
70.5	17,045	0	0.00000	1.00000	100.00
71.5	17,045	0	0.00000	1.00000	100.00
72.5	17,045	0	0.00000	1.00000	100.00
73.5	17,045	0	0.00000	1.00000	100.00
74.5	17,045	0	0.00000	1.00000	100.00
75.5	17,045	0	0.00000	1.00000	100.00
76.5	17,045	0	0.00000	1.00000	100.00
77.5	17,045	0	0.00000	1.00000	100.00
78.5	17,045	0	0.00000	1.00000	100.00
79.5	17,045	0	0.00000	1.00000	100.00
80.5	17,045	0	0.00000	1.00000	100.00
81.5	17,045	0	0.00000	1.00000	100.00
82.5	17,045	0	0.00000	1.00000	100.00
83.5	17,045	0	0.00000	1.00000	100.00
84.5	17,045	0	0.00000	1.00000	100.00
85.5	17,045	0	0.00000	1.00000	100.00
86.5	17,045	0	0.00000	1.00000	100.00
87.5	17,045	73	0.00428	0.99572	100.00
88.5	16,972	0	0.00000	1.00000	99.57



## American Water Works - Indiana

### Account 308.000 - Infiltration Galleries and Tunnels

Placement Band - 1900 - 2022    Experience Band - 2009 - 2022

89.5	16,972	0	0.00000	1.00000	99.57
90.5	16,972	0	0.00000	1.00000	99.57
91.5	16,960	0	0.00000	1.00000	99.57
92.5	16,824	0	0.00000	1.00000	99.57
93.5	16,824	0	0.00000	1.00000	99.57
94.5	16,824	0	0.00000	1.00000	99.57
95.5	16,824	58	0.00345	0.99655	99.57
96.5	16,765	0	0.00000	1.00000	99.23
97.5	16,765	0	0.00000	1.00000	99.23
98.5	16,765	0	0.00000	1.00000	99.23
99.5	16,765	0	0.00000	1.00000	99.23
100.5	16,765	0	0.00000	1.00000	99.23
101.5	16,765	0	0.00000	1.00000	99.23
102.5	16,765	0	0.00000	1.00000	99.23
103.5	16,760	0	0.00000	1.00000	99.23
104.5	16,760	0	0.00000	1.00000	99.23
105.5	16,760	0	0.00000	1.00000	99.23
106.5	16,760	0	0.00000	1.00000	99.23
107.5	16,415	0	0.00000	1.00000	99.23
108.5	14,937	0	0.00000	1.00000	99.23
109.5	10,921	0	0.00000	1.00000	99.23
110.5	10,921	0	0.00000	1.00000	99.23
111.5	10,921	0	0.00000	1.00000	99.23
112.5	10,921	0	0.00000	1.00000	99.23
113.5	10,921	0	0.00000	1.00000	99.23
114.5	10,921	0	0.00000	1.00000	99.23
115.5	10,921	0	0.00000	1.00000	99.23
116.5	10,921	0	0.00000	1.00000	99.23
117.5	10,921	0	0.00000	1.00000	99.23
118.5	10,921	0	0.00000	1.00000	99.23
119.5	10,921	509	0.04661	0.95339	99.23

# American Water Works - Indiana

## Account 308.000 - Infiltration Galleries and Tunnels

Placement Band - 1900 - 2022    Experience Band - 2009 - 2022

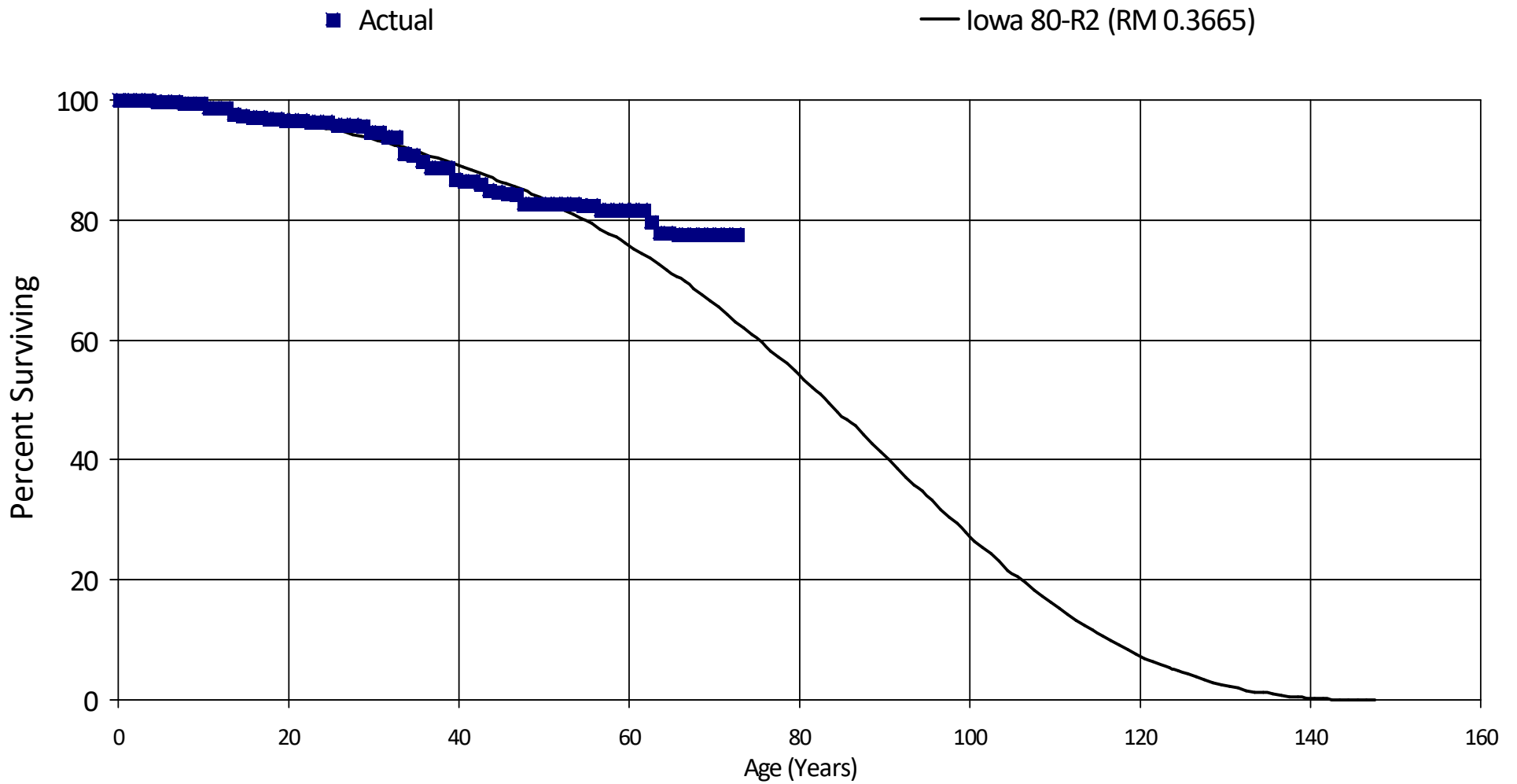
120.5	10,413	0	0.00000	1.00000	94.60
121.5	10,413	0	0.00000	1.00000	94.60
<b>Totals:</b>		640			

# American Water Works - Indiana

## Account 309.000 - Supply Mains

Placement Band - 1900 - 2022 Experience Band - 1968 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 309.000 - Supply Mains

Placement Band - 1900 - 2022 Experience Band - 1968 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	17,268,624	153	0.00001	0.99999	100.00
0.5	17,268,471	2,320	0.00013	0.99987	100.00
1.5	17,254,897	0	0.00000	1.00000	99.99
2.5	17,062,088	5,526	0.00032	0.99968	99.99
3.5	15,480,354	19,161	0.00124	0.99876	99.96
4.5	15,350,463	21,984	0.00143	0.99857	99.84
5.5	15,290,845	3,686	0.00024	0.99976	99.70
6.5	15,287,159	46,294	0.00303	0.99697	99.68
7.5	15,240,866	0	0.00000	1.00000	99.38
8.5	14,918,627	275	0.00002	0.99998	99.38
9.5	14,512,506	86,250	0.00594	0.99406	99.38
10.5	14,338,479	5,684	0.00040	0.99960	98.79
11.5	10,795,638	4,737	0.00044	0.99956	98.75
12.5	9,995,560	108,572	0.01086	0.98914	98.71
13.5	8,486,009	13,305	0.00157	0.99843	97.64
14.5	8,358,348	20,452	0.00245	0.99755	97.49
15.5	8,333,047	730	0.00009	0.99991	97.25
16.5	8,302,856	21,101	0.00254	0.99746	97.24
17.5	8,237,500	2,209	0.00027	0.99973	96.99
18.5	8,204,605	12,209	0.00149	0.99851	96.96
19.5	8,191,142	2,557	0.00031	0.99969	96.82
20.5	7,184,405	8,668	0.00121	0.99879	96.79
21.5	5,549,978	15,225	0.00274	0.99726	96.67
22.5	5,367,906	38	0.00001	0.99999	96.41
23.5	3,259,295	0	0.00000	1.00000	96.41
24.5	3,242,205	12,618	0.00389	0.99611	96.41
25.5	2,708,565	1,425	0.00053	0.99947	96.03
26.5	2,620,248	1,478	0.00056	0.99944	95.98

## American Water Works - Indiana

### Account 309.000 - Supply Mains

Placement Band - 1900 - 2022    Experience Band - 1968 - 2022

27.5	2,613,289	3,482	0.00133	0.99867	95.93
28.5	1,078,127	13,392	0.01242	0.98758	95.80
29.5	1,064,734	262	0.00025	0.99975	94.61
30.5	1,013,452	8,269	0.00816	0.99184	94.59
31.5	903,514	0	0.00000	1.00000	93.82
32.5	903,514	26,075	0.02886	0.97114	93.82
33.5	871,507	1,498	0.00172	0.99828	91.11
34.5	870,010	9,547	0.01097	0.98903	90.95
35.5	857,755	10,068	0.01174	0.98826	89.95
36.5	845,881	562	0.00066	0.99934	88.89
37.5	777,564	682	0.00088	0.99912	88.83
38.5	731,750	16,103	0.02201	0.97799	88.75
39.5	710,311	1,765	0.00248	0.99752	86.80
40.5	708,546	224	0.00032	0.99968	86.58
41.5	694,347	3,620	0.00521	0.99479	86.55
42.5	667,009	9,187	0.01377	0.98623	86.10
43.5	657,712	1,047	0.00159	0.99841	84.91
44.5	654,741	1,221	0.00186	0.99814	84.77
45.5	327,821	1,239	0.00378	0.99622	84.61
46.5	326,582	5,907	0.01809	0.98191	84.29
47.5	320,675	0	0.00000	1.00000	82.77
48.5	320,675	374	0.00117	0.99883	82.77
49.5	320,301	31	0.00010	0.99990	82.67
50.5	310,489	101	0.00033	0.99967	82.66
51.5	277,821	0	0.00000	1.00000	82.63
52.5	271,809	0	0.00000	1.00000	82.63
53.5	271,809	709	0.00261	0.99739	82.63
54.5	271,100	0	0.00000	1.00000	82.41
55.5	270,678	2,192	0.00810	0.99190	82.41
56.5	268,486	0	0.00000	1.00000	81.74
57.5	233,069	0	0.00000	1.00000	81.74

## American Water Works - Indiana

### Account 309.000 - Supply Mains

Placement Band - 1900 - 2022    Experience Band - 1968 - 2022

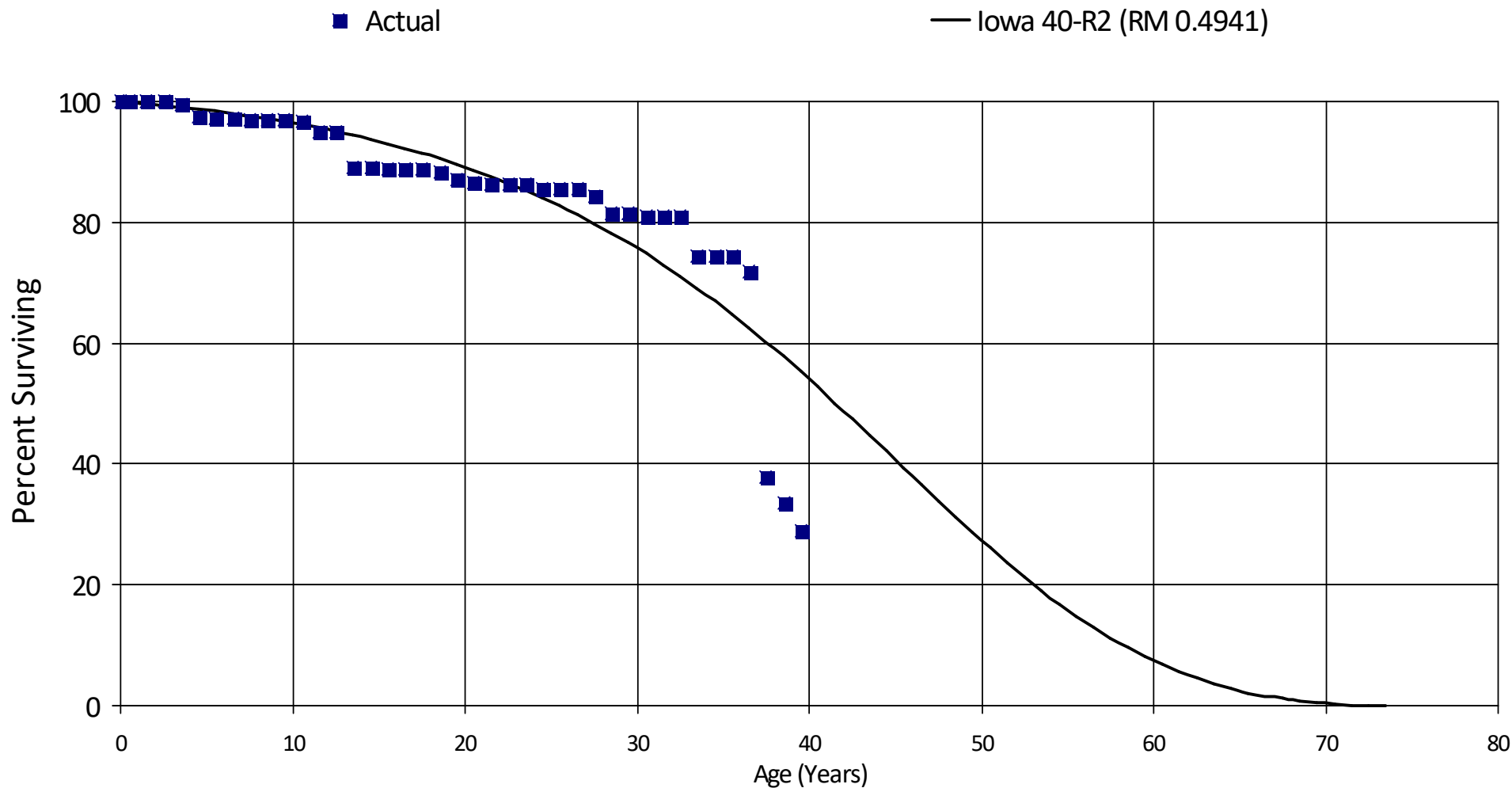
58.5	233,069	0	0.00000	1.00000	81.74
59.5	233,069	0	0.00000	1.00000	81.74
60.5	233,069	161	0.00069	0.99931	81.74
61.5	224,981	5,666	0.02518	0.97482	81.68
62.5	218,855	4,360	0.01992	0.98008	79.62
63.5	201,268	79	0.00039	0.99961	78.03
64.5	200,393	776	0.00387	0.99613	78.00
65.5	199,617	147	0.00074	0.99926	77.70
66.5	199,011	0	0.00000	1.00000	77.64
67.5	199,011	0	0.00000	1.00000	77.64
68.5	196,442	0	0.00000	1.00000	77.64
69.5	185,243	0	0.00000	1.00000	77.64
70.5	185,243	0	0.00000	1.00000	77.64
71.5	174,679	0	0.00000	1.00000	77.64
72.5	174,679	48	0.00027	0.99973	77.64
<b>Totals:</b>		545,451			

# American Water Works - Indiana

## Account 310.000 - Power Generation Equipment

Placement Band - 1956 - 2022 Experience Band - 1989 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 310.000 - Power Generation Equipment

Placement Band - 1956 - 2022    Experience Band - 1989 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	14,997,252	0	0.00000	1.00000	100.00
0.5	14,397,814	1,168	0.00008	0.99992	100.00
1.5	14,372,061	12,487	0.00087	0.99913	99.99
2.5	14,166,039	41,694	0.00294	0.99706	99.90
3.5	13,144,027	291,839	0.02220	0.97780	99.61
4.5	12,815,732	14,988	0.00117	0.99883	97.40
5.5	10,856,432	7,969	0.00073	0.99927	97.29
6.5	10,452,257	29,395	0.00281	0.99719	97.22
7.5	9,922,207	5,771	0.00058	0.99942	96.95
8.5	9,138,007	4,566	0.00050	0.99950	96.89
9.5	8,427,391	14,664	0.00174	0.99826	96.84
10.5	8,187,632	142,600	0.01742	0.98258	96.67
11.5	6,557,396	985	0.00015	0.99985	94.99
12.5	5,411,763	333,211	0.06157	0.93843	94.98
13.5	2,762,652	3,941	0.00143	0.99857	89.13
14.5	2,610,151	4,166	0.00160	0.99840	89.00
15.5	2,258,537	2,964	0.00131	0.99869	88.86
16.5	2,198,757	0	0.00000	1.00000	88.74
17.5	1,431,561	8,310	0.00580	0.99420	88.74
18.5	1,315,007	17,727	0.01348	0.98652	88.23
19.5	1,297,280	6,142	0.00473	0.99527	87.04
20.5	1,289,938	6,776	0.00525	0.99475	86.63
21.5	1,180,005	0	0.00000	1.00000	86.18
22.5	1,180,005	0	0.00000	1.00000	86.18
23.5	1,180,005	8,314	0.00705	0.99295	86.18
24.5	1,158,616	0	0.00000	1.00000	85.57
25.5	1,155,870	1,037	0.00090	0.99910	85.57
26.5	996,664	15,122	0.01517	0.98483	85.49



## American Water Works - Indiana

### Account 310.000 - Power Generation Equipment

Placement Band - 1956 - 2022    Experience Band - 1989 - 2022

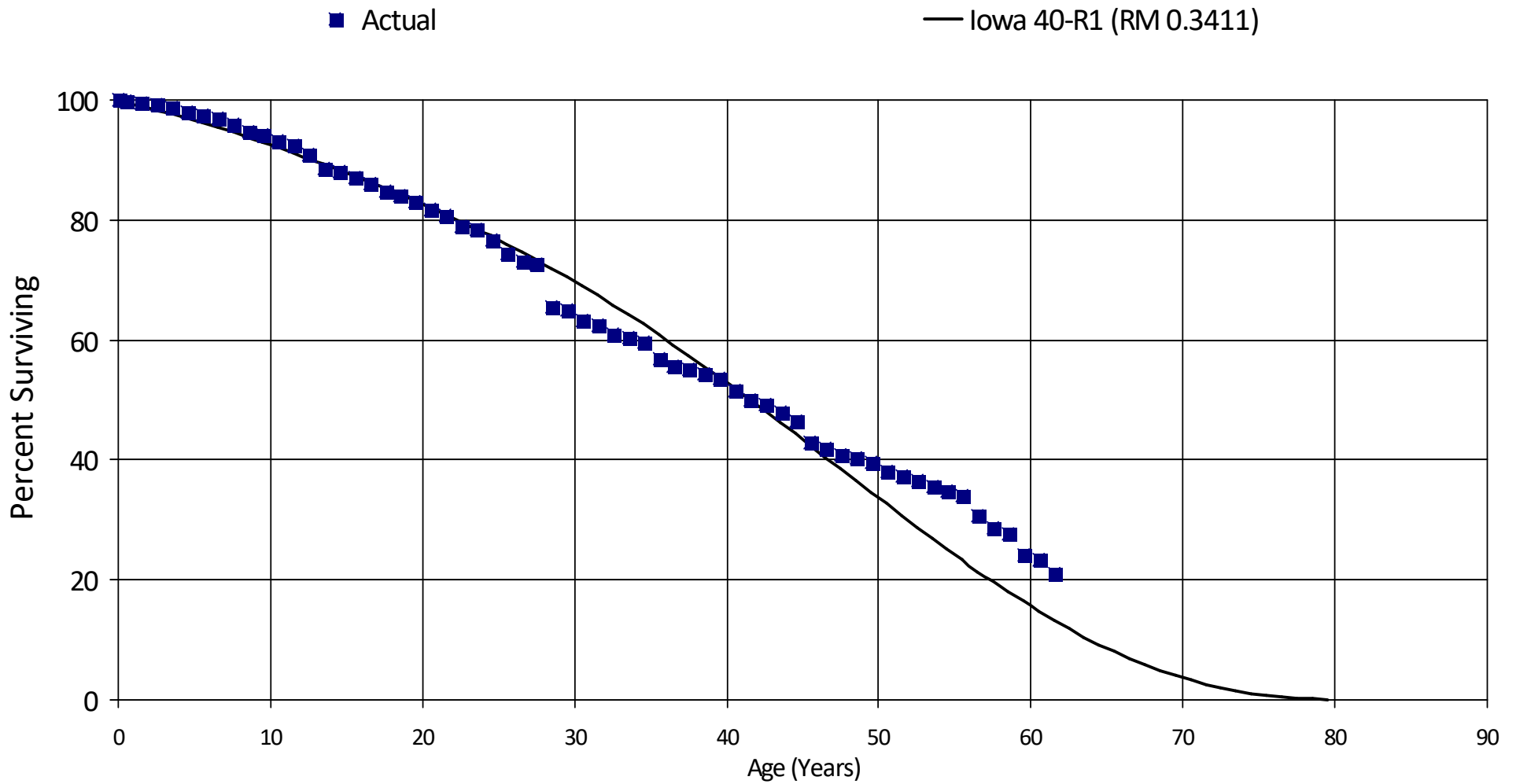
27.5	981,541	33,171	0.03379	0.96621	84.19
28.5	637,937	0	0.00000	1.00000	81.35
29.5	637,937	2,673	0.00419	0.99581	81.35
30.5	635,265	485	0.00076	0.99924	81.01
31.5	634,780	0	0.00000	1.00000	80.95
32.5	513,544	41,552	0.08091	0.91909	80.95
33.5	414,009	0	0.00000	1.00000	74.40
34.5	414,009	0	0.00000	1.00000	74.40
35.5	414,009	14,467	0.03494	0.96506	74.40
36.5	399,542	189,698	0.47479	0.52521	71.80
37.5	209,844	23,527	0.11212	0.88788	37.71
38.5	186,317	25,173	0.13511	0.86489	33.48
39.5	161,143	0	0.00000	1.00000	28.96
<b>Totals:</b>		1,306,582			

# American Water Works - Indiana

## Account 311.200 - Pumping Equipment - Electric

Placement Band - 1902 - 2022 Experience Band - 1958 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 311.200 - Pumping Equipment - Electric

Placement Band - 1902 - 2022 Experience Band - 1958 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	55,590,137	122,649	0.00221	0.99779	100.00
0.5	54,829,410	107,823	0.00197	0.99803	99.78
1.5	54,283,078	208,294	0.00384	0.99616	99.58
2.5	53,949,332	317,104	0.00588	0.99412	99.20
3.5	50,054,806	321,730	0.00643	0.99357	98.62
4.5	49,137,893	223,375	0.00455	0.99545	97.99
5.5	48,467,252	326,949	0.00675	0.99325	97.54
6.5	47,733,861	452,703	0.00948	0.99052	96.88
7.5	46,611,697	588,195	0.01262	0.98738	95.96
8.5	44,434,057	315,896	0.00711	0.99289	94.75
9.5	42,740,583	366,424	0.00857	0.99143	94.08
10.5	42,187,674	450,169	0.01067	0.98933	93.27
11.5	40,829,120	630,784	0.01545	0.98455	92.27
12.5	40,196,338	985,511	0.02452	0.97548	90.84
13.5	39,210,827	277,586	0.00708	0.99292	88.61
14.5	38,933,241	396,259	0.01018	0.98982	87.98
15.5	38,425,526	506,983	0.01319	0.98681	87.08
16.5	33,841,723	465,007	0.01374	0.98626	85.93
17.5	33,033,914	254,153	0.00769	0.99231	84.75
18.5	32,473,116	431,898	0.01330	0.98670	84.10
19.5	31,577,229	494,761	0.01567	0.98433	82.98
20.5	30,117,384	401,825	0.01334	0.98666	81.68
21.5	27,013,709	540,130	0.01999	0.98001	80.59
22.5	25,510,181	218,431	0.00856	0.99144	78.98
23.5	20,989,838	444,514	0.02118	0.97882	78.30
24.5	19,811,058	604,239	0.03050	0.96950	76.64
25.5	15,038,976	221,708	0.01474	0.98526	74.30
26.5	14,201,322	138,790	0.00977	0.99023	73.20

## American Water Works - Indiana

### Account 311.200 - Pumping Equipment - Electric

Placement Band - 1902 - 2022    Experience Band - 1958 - 2022

27.5	12,493,150	1,208,776	0.09676	0.90324	72.48
28.5	8,116,404	72,358	0.00892	0.99108	65.47
29.5	7,647,763	201,391	0.02633	0.97367	64.89
30.5	7,026,225	94,819	0.01350	0.98650	63.18
31.5	6,300,427	152,489	0.02420	0.97580	62.33
32.5	5,786,422	46,833	0.00809	0.99191	60.82
33.5	5,539,465	72,187	0.01303	0.98697	60.33
34.5	5,386,741	235,332	0.04369	0.95631	59.54
35.5	5,076,841	118,527	0.02335	0.97665	56.94
36.5	4,729,838	43,976	0.00930	0.99070	55.61
37.5	4,602,187	68,540	0.01489	0.98511	55.09
38.5	4,377,397	48,742	0.01113	0.98887	54.27
39.5	4,301,933	162,663	0.03781	0.96219	53.67
40.5	3,364,448	107,548	0.03197	0.96803	51.64
41.5	3,194,669	46,313	0.01450	0.98550	49.99
42.5	2,922,731	74,581	0.02552	0.97448	49.27
43.5	2,802,848	96,563	0.03445	0.96555	48.01
44.5	2,679,367	193,364	0.07217	0.92783	46.36
45.5	2,455,962	59,628	0.02428	0.97572	43.01
46.5	2,377,286	65,865	0.02771	0.97229	41.97
47.5	2,266,429	23,258	0.01026	0.98974	40.81
48.5	2,226,654	48,887	0.02196	0.97804	40.39
49.5	2,158,731	72,501	0.03359	0.96641	39.50
50.5	2,068,853	51,774	0.02503	0.97497	38.17
51.5	1,971,478	37,971	0.01926	0.98074	37.21
52.5	1,925,735	48,935	0.02541	0.97459	36.49
53.5	1,850,134	46,991	0.02540	0.97460	35.56
54.5	1,803,143	36,963	0.02050	0.97950	34.66
55.5	1,390,007	128,262	0.09227	0.90773	33.95
56.5	1,236,009	85,866	0.06947	0.93053	30.82
57.5	949,343	36,570	0.03852	0.96148	28.68

## American Water Works - Indiana

### Account 311.200 - Pumping Equipment - Electric

Placement Band - 1902 - 2022    Experience Band - 1958 - 2022

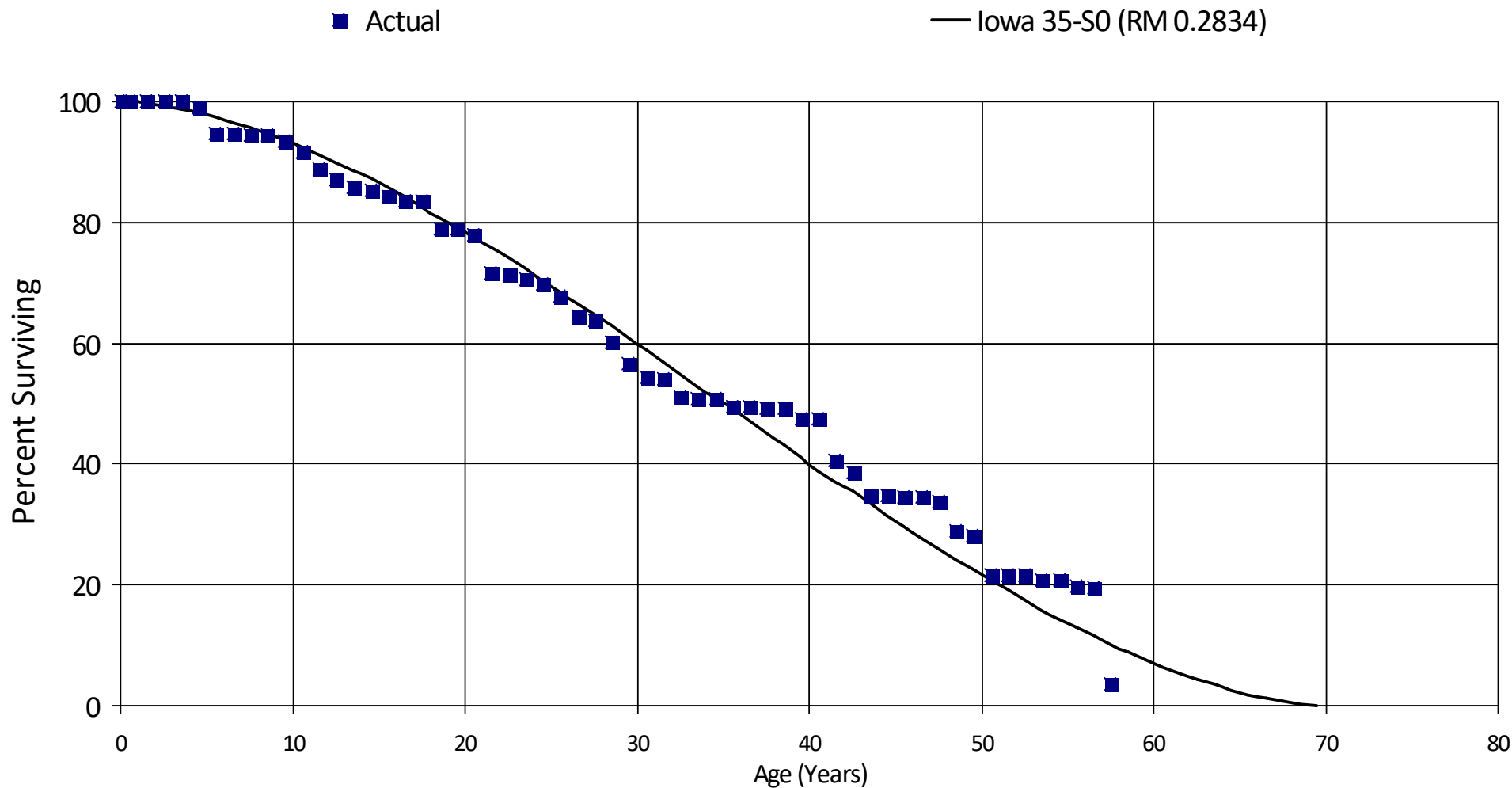
58.5	884,444	111,671	0.12626	0.87374	27.58
59.5	762,175	21,034	0.02760	0.97240	24.10
60.5	713,109	74,488	0.10446	0.89554	23.43
61.5	543,221	19,951	0.03673	0.96327	20.98
<b>Totals:</b>		<b>14,829,507</b>			

# American Water Works - Indiana

## Account 311.300 - Pumping Equipment - Diesel

Placement Band - 1929 - 2022 Experience Band - 1984 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 311.300 - Pumping Equipment - Diesel

Placement Band - 1929 - 2022    Experience Band - 1984 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	1,390,036	0	0.00000	1.00000	100.00
0.5	1,390,036	0	0.00000	1.00000	100.00
1.5	1,390,036	0	0.00000	1.00000	100.00
2.5	1,390,036	977	0.00070	0.99930	100.00
3.5	1,389,059	13,178	0.00949	0.99051	99.93
4.5	1,375,881	60,887	0.04425	0.95575	98.98
5.5	1,314,994	0	0.00000	1.00000	94.60
6.5	1,314,994	3,343	0.00254	0.99746	94.60
7.5	1,311,651	100	0.00008	0.99992	94.36
8.5	1,311,551	14,778	0.01127	0.98873	94.35
9.5	1,296,773	24,754	0.01909	0.98091	93.29
10.5	1,272,019	38,371	0.03017	0.96983	91.51
11.5	1,233,647	25,360	0.02056	0.97944	88.75
12.5	1,208,287	14,733	0.01219	0.98781	86.93
13.5	1,193,554	7,530	0.00631	0.99369	85.87
14.5	1,186,024	14,821	0.01250	0.98750	85.33
15.5	1,171,203	9,228	0.00788	0.99212	84.26
16.5	1,138,457	0	0.00000	1.00000	83.60
17.5	940,200	51,522	0.05480	0.94520	83.60
18.5	880,372	0	0.00000	1.00000	79.02
19.5	841,787	11,606	0.01379	0.98621	79.02
20.5	830,181	67,715	0.08157	0.91843	77.93
21.5	757,500	2,528	0.00334	0.99666	71.57
22.5	745,463	7,011	0.00940	0.99060	71.33
23.5	738,452	7,740	0.01048	0.98952	70.66
24.5	661,916	20,591	0.03111	0.96889	69.92
25.5	596,616	28,329	0.04748	0.95252	67.74
26.5	481,495	5,873	0.01220	0.98780	64.52

## American Water Works - Indiana

### Account 311.300 - Pumping Equipment - Diesel

Placement Band - 1929 - 2022    Experience Band - 1984 - 2022

27.5	475,622	27,434	0.05768	0.94232	63.73
28.5	448,188	25,684	0.05731	0.94269	60.05
29.5	422,504	17,769	0.04206	0.95794	56.61
30.5	404,735	511	0.00126	0.99874	54.23
31.5	403,315	23,034	0.05711	0.94289	54.16
32.5	380,281	2,536	0.00667	0.99333	51.07
33.5	377,744	260	0.00069	0.99931	50.73
34.5	362,124	7,903	0.02182	0.97818	50.69
35.5	354,220	1,393	0.00393	0.99607	49.58
36.5	352,222	667	0.00189	0.99811	49.39
37.5	351,555	1,113	0.00317	0.99683	49.30
38.5	350,442	11,730	0.03347	0.96653	49.14
39.5	338,713	173	0.00051	0.99949	47.50
40.5	276,450	40,491	0.14647	0.85353	47.48
41.5	235,960	11,536	0.04889	0.95111	40.53
42.5	223,962	22,066	0.09853	0.90147	38.55
43.5	201,896	421	0.00209	0.99791	34.75
44.5	201,475	343	0.00170	0.99830	34.68
45.5	201,132	0	0.00000	1.00000	34.62
46.5	201,132	4,606	0.02290	0.97710	34.62
47.5	196,526	27,880	0.14186	0.85814	33.83
48.5	168,646	5,343	0.03168	0.96832	29.03
49.5	158,172	36,543	0.23103	0.76897	28.11
50.5	121,629	0	0.00000	1.00000	21.62
51.5	121,629	0	0.00000	1.00000	21.62
52.5	121,629	4,993	0.04105	0.95895	21.62
53.5	74,827	0	0.00000	1.00000	20.73
54.5	74,827	3,556	0.04752	0.95248	20.73
55.5	71,271	908	0.01274	0.98726	19.74
56.5	56,872	46,706	0.82125	0.17875	19.49
57.5	10,166	63	0.00620	0.99380	3.48



# American Water Works - Indiana

## Account 311.300 - Pumping Equipment - Diesel

Placement Band - 1929 - 2022    Experience Band - 1984 - 2022

Totals: 

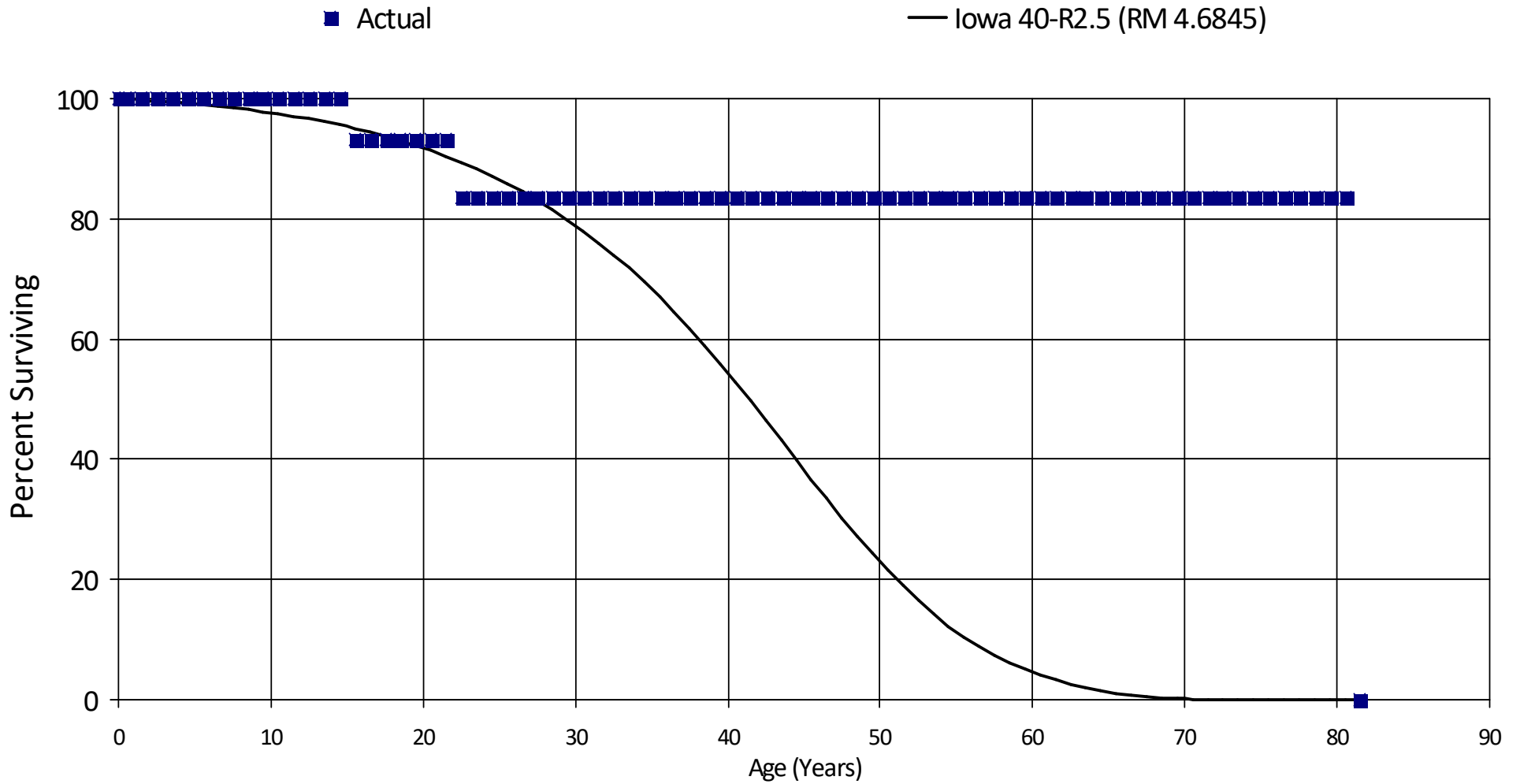
756,637
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# American Water Works - Indiana

## Account 311.400 - Pumping Equipment - Hydraulic

Placement Band - 1917 - 2022 Experience Band - 1998 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 311.400 - Pumping Equipment - Hydraulic

Placement Band - 1917 - 2022 Experience Band - 1998 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	177,948	0	0.00000	1.00000	100.00
0.5	100,976	0	0.00000	1.00000	100.00
1.5	100,976	0	0.00000	1.00000	100.00
2.5	100,976	0	0.00000	1.00000	100.00
3.5	100,976	0	0.00000	1.00000	100.00
4.5	100,976	0	0.00000	1.00000	100.00
5.5	100,976	0	0.00000	1.00000	100.00
6.5	100,976	0	0.00000	1.00000	100.00
7.5	100,976	0	0.00000	1.00000	100.00
8.5	100,976	0	0.00000	1.00000	100.00
9.5	100,976	0	0.00000	1.00000	100.00
10.5	100,976	0	0.00000	1.00000	100.00
11.5	97,729	0	0.00000	1.00000	100.00
12.5	97,729	0	0.00000	1.00000	100.00
13.5	97,729	0	0.00000	1.00000	100.00
14.5	97,729	6,665	0.06820	0.93180	100.00
15.5	85,411	0	0.00000	1.00000	93.18
16.5	71,740	0	0.00000	1.00000	93.18
17.5	71,740	0	0.00000	1.00000	93.18
18.5	58,223	0	0.00000	1.00000	93.18
19.5	37,200	0	0.00000	1.00000	93.18
20.5	37,200	0	0.00000	1.00000	93.18
21.5	37,200	3,859	0.10374	0.89626	93.18
22.5	33,340	0	0.00000	1.00000	83.51
23.5	33,340	0	0.00000	1.00000	83.51
24.5	33,340	0	0.00000	1.00000	83.51
25.5	33,340	0	0.00000	1.00000	83.51
26.5	33,340	0	0.00000	1.00000	83.51

# American Water Works - Indiana

## Account 311.400 - Pumping Equipment - Hydraulic

Placement Band - 1917 - 2022    Experience Band - 1998 - 2022

27.5	33,340	0	0.00000	1.00000	83.51
28.5	33,340	0	0.00000	1.00000	83.51
29.5	33,340	0	0.00000	1.00000	83.51
30.5	33,340	0	0.00000	1.00000	83.51
31.5	33,340	0	0.00000	1.00000	83.51
32.5	33,340	0	0.00000	1.00000	83.51
33.5	33,340	0	0.00000	1.00000	83.51
34.5	33,340	0	0.00000	1.00000	83.51
35.5	33,340	0	0.00000	1.00000	83.51
36.5	33,340	0	0.00000	1.00000	83.51
37.5	33,340	0	0.00000	1.00000	83.51
38.5	33,340	0	0.00000	1.00000	83.51
39.5	33,340	0	0.00000	1.00000	83.51
40.5	33,340	0	0.00000	1.00000	83.51
41.5	33,340	0	0.00000	1.00000	83.51
42.5	33,340	0	0.00000	1.00000	83.51
43.5	33,340	0	0.00000	1.00000	83.51
44.5	33,340	0	0.00000	1.00000	83.51
45.5	33,340	0	0.00000	1.00000	83.51
46.5	33,340	0	0.00000	1.00000	83.51
47.5	33,340	0	0.00000	1.00000	83.51
48.5	33,340	0	0.00000	1.00000	83.51
49.5	33,340	0	0.00000	1.00000	83.51
50.5	33,340	0	0.00000	1.00000	83.51
51.5	33,340	0	0.00000	1.00000	83.51
52.5	33,340	0	0.00000	1.00000	83.51
53.5	33,340	0	0.00000	1.00000	83.51
54.5	33,340	0	0.00000	1.00000	83.51
55.5	33,340	0	0.00000	1.00000	83.51
56.5	33,340	0	0.00000	1.00000	83.51
57.5	33,340	0	0.00000	1.00000	83.51

## American Water Works - Indiana

### Account 311.400 - Pumping Equipment - Hydraulic

Placement Band - 1917 - 2022    Experience Band - 1998 - 2022

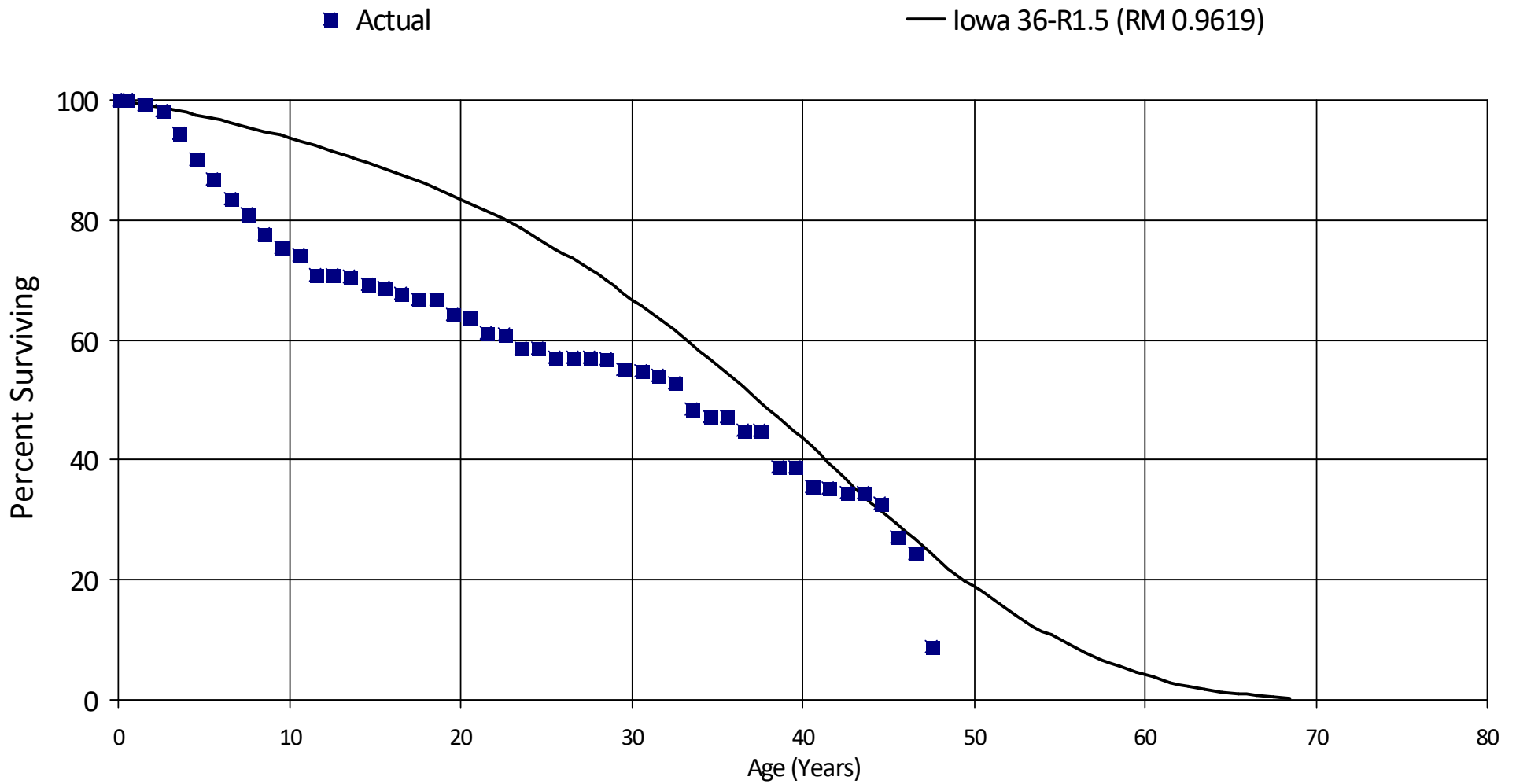
58.5	33,340	0	0.00000	1.00000	83.51
59.5	33,340	0	0.00000	1.00000	83.51
60.5	33,340	0	0.00000	1.00000	83.51
61.5	33,340	0	0.00000	1.00000	83.51
62.5	33,340	0	0.00000	1.00000	83.51
63.5	33,340	0	0.00000	1.00000	83.51
64.5	33,340	0	0.00000	1.00000	83.51
65.5	33,340	0	0.00000	1.00000	83.51
66.5	33,340	0	0.00000	1.00000	83.51
67.5	33,340	0	0.00000	1.00000	83.51
68.5	33,340	0	0.00000	1.00000	83.51
69.5	33,340	0	0.00000	1.00000	83.51
70.5	33,340	0	0.00000	1.00000	83.51
71.5	33,340	0	0.00000	1.00000	83.51
72.5	33,340	0	0.00000	1.00000	83.51
73.5	33,340	0	0.00000	1.00000	83.51
74.5	33,340	0	0.00000	1.00000	83.51
75.5	33,340	0	0.00000	1.00000	83.51
76.5	33,340	0	0.00000	1.00000	83.51
77.5	33,340	0	0.00000	1.00000	83.51
78.5	33,340	0	0.00000	1.00000	83.51
79.5	33,340	0	0.00000	1.00000	83.51
80.5	33,340	33,340	0.99999	0.00001	83.51
81.5	0	0	0.00000	0.00000	0.00
<b>Totals:</b>		<b>43,864</b>			

# American Water Works - Indiana

## Account 311.500 - Pumping Equipment - Other

Placement Band - 1913 - 2022 Experience Band - 1969 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 311.500 - Pumping Equipment - Other

Placement Band - 1913 - 2022    Experience Band - 1969 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	7,028,081	7,651	0.00109	0.99891	100.00
0.5	5,923,060	41,639	0.00703	0.99297	99.89
1.5	4,972,769	50,042	0.01006	0.98994	99.19
2.5	2,870,273	109,134	0.03802	0.96198	98.19
3.5	1,678,750	79,687	0.04747	0.95253	94.46
4.5	1,594,614	54,516	0.03419	0.96581	89.98
5.5	1,534,706	61,295	0.03994	0.96006	86.90
6.5	1,430,820	41,735	0.02917	0.97083	83.43
7.5	1,360,435	54,985	0.04042	0.95958	81.00
8.5	1,292,927	37,952	0.02935	0.97065	77.73
9.5	1,239,158	23,314	0.01881	0.98119	75.45
10.5	1,193,487	50,491	0.04231	0.95769	74.03
11.5	1,100,188	2,416	0.00220	0.99780	70.90
12.5	1,097,772	2,908	0.00265	0.99735	70.74
13.5	1,094,864	19,133	0.01748	0.98252	70.55
14.5	1,075,731	9,944	0.00924	0.99076	69.32
15.5	1,064,803	13,571	0.01275	0.98725	68.68
16.5	1,026,594	14,352	0.01398	0.98602	67.80
17.5	979,329	2,475	0.00253	0.99747	66.85
18.5	969,207	35,774	0.03691	0.96309	66.68
19.5	933,433	5,942	0.00637	0.99363	64.22
20.5	924,944	37,997	0.04108	0.95892	63.81
21.5	885,193	5,247	0.00593	0.99407	61.19
22.5	869,403	30,466	0.03504	0.96496	60.83
23.5	838,937	0	0.00000	1.00000	58.70
24.5	838,937	22,662	0.02701	0.97299	58.70
25.5	816,275	100	0.00012	0.99988	57.11
26.5	815,118	1,659	0.00204	0.99796	57.10

## American Water Works - Indiana

### Account 311.500 - Pumping Equipment - Other

Placement Band - 1913 - 2022    Experience Band - 1969 - 2022

27.5	813,459	650	0.00080	0.99920	56.98
28.5	283,238	9,741	0.03439	0.96561	56.93
29.5	273,497	1,267	0.00463	0.99537	54.97
30.5	272,230	2,972	0.01092	0.98908	54.72
31.5	179,136	4,461	0.02490	0.97510	54.12
32.5	174,675	14,456	0.08276	0.91724	52.77
33.5	160,219	3,631	0.02266	0.97734	48.40
34.5	156,589	251	0.00160	0.99840	47.30
35.5	156,338	7,225	0.04621	0.95379	47.22
36.5	148,881	0	0.00000	1.00000	45.04
37.5	148,881	20,932	0.14060	0.85940	45.04
38.5	127,949	0	0.00000	1.00000	38.71
39.5	127,949	10,605	0.08288	0.91712	38.71
40.5	117,344	851	0.00725	0.99275	35.50
41.5	116,493	1,973	0.01694	0.98306	35.24
42.5	114,520	100	0.00087	0.99913	34.64
43.5	114,420	5,895	0.05152	0.94848	34.61
44.5	108,525	18,747	0.17274	0.82726	32.83
45.5	89,778	9,189	0.10235	0.89765	27.16
46.5	80,589	51,603	0.64032	0.35968	24.38
47.5	28,987	244	0.00842	0.99158	8.77
<b>Totals:</b>		<b>981,880</b>			

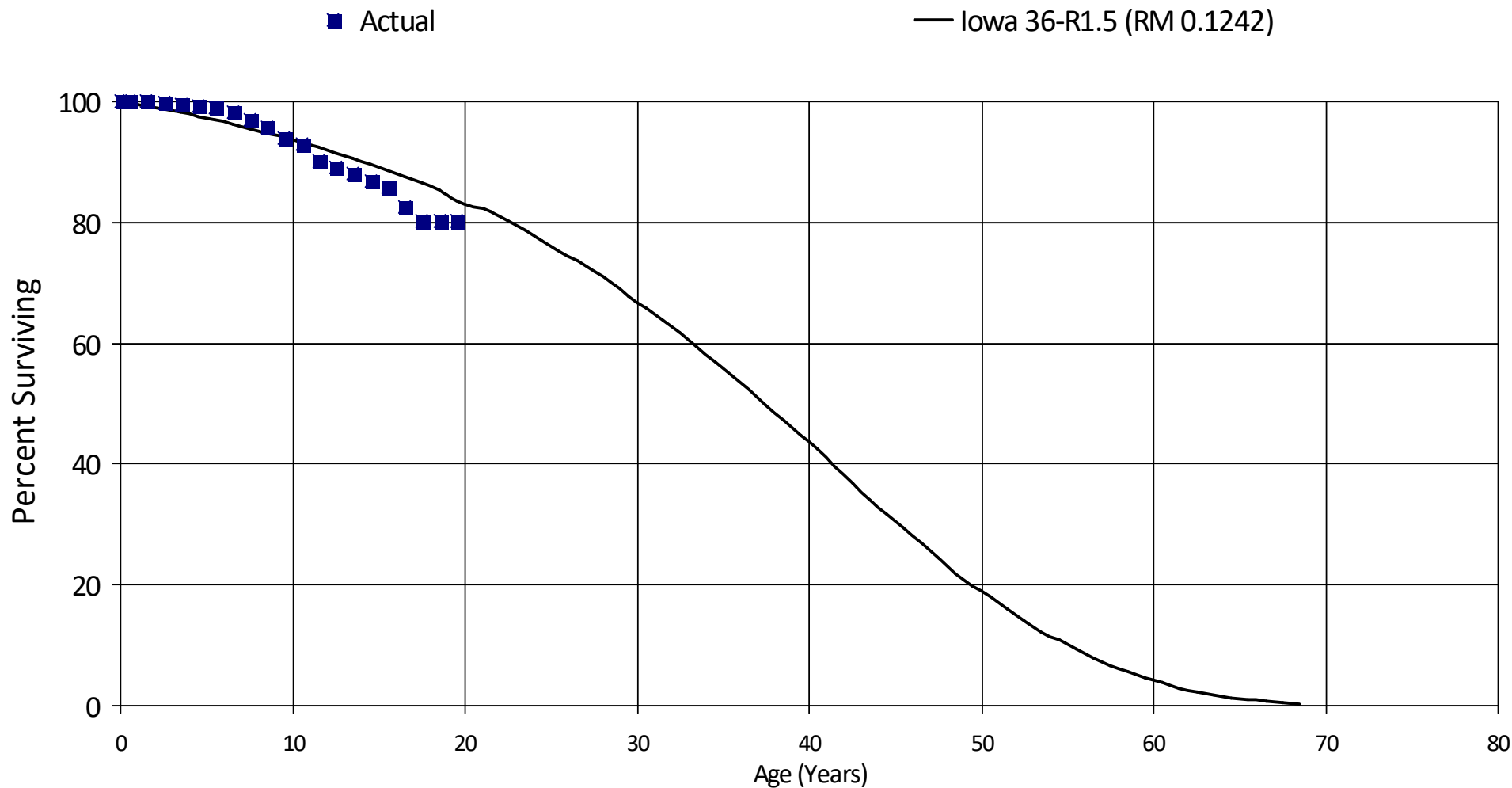


# American Water Works - Indiana

## Account 311.520 - Pumping Equipment - SOS & Pumping

Placement Band - 2002 - 2022    Experience Band - 2017 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 311.520 - Pumping Equipment - SOS & Pumping

Placement Band - 2002 - 2022 Experience Band - 2017 - 2022

### RETIREMENT RATE ANALYSIS

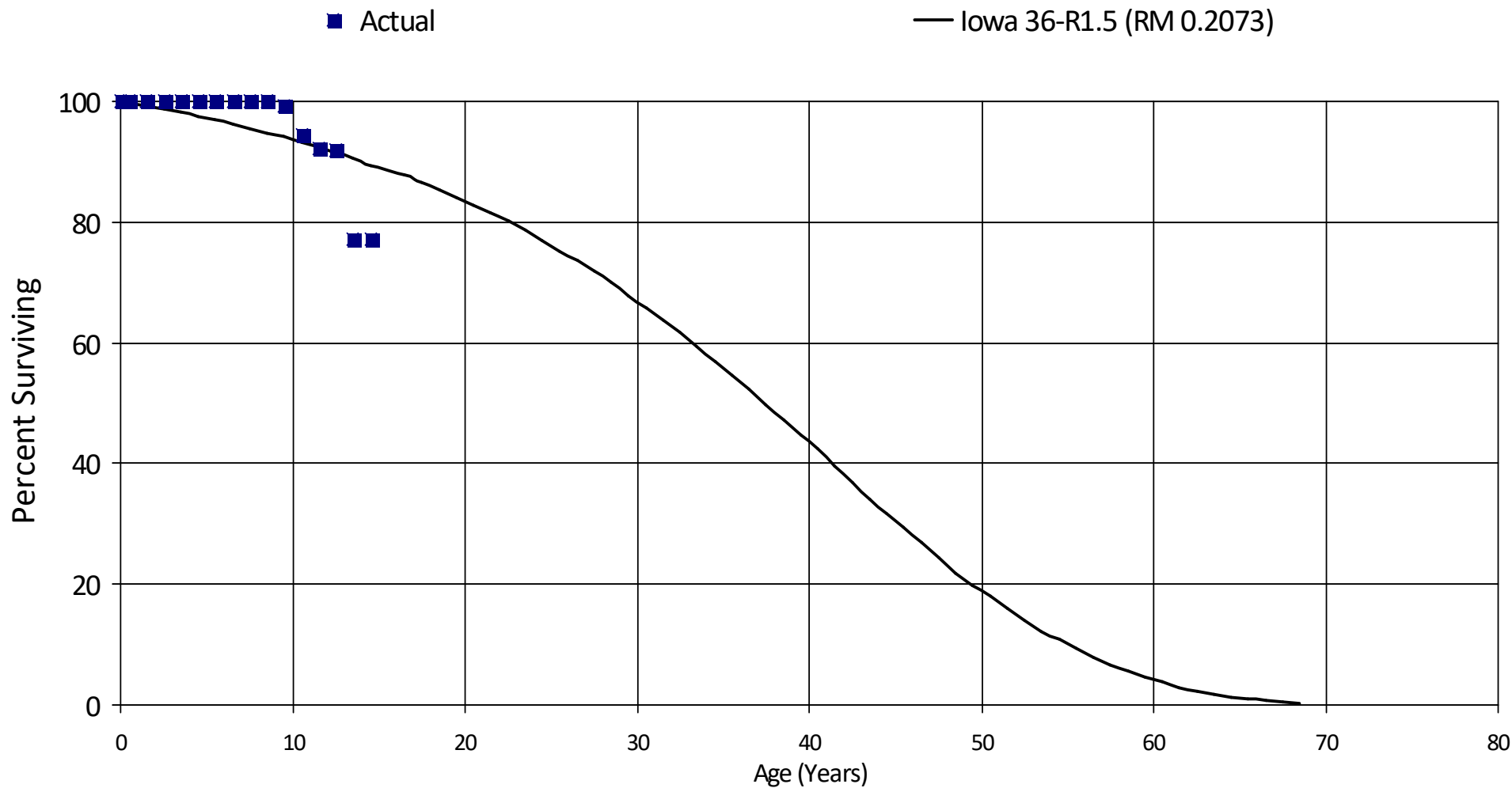
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	8,683,773	0	0.00000	1.00000	100.00
0.5	8,683,773	0	0.00000	1.00000	100.00
1.5	8,676,364	24,284	0.00280	0.99720	100.00
2.5	8,606,525	10,712	0.00124	0.99876	99.72
3.5	8,549,841	26,729	0.00313	0.99687	99.60
4.5	7,976,199	26,884	0.00337	0.99663	99.29
5.5	7,826,309	63,941	0.00817	0.99183	98.96
6.5	7,374,442	98,799	0.01340	0.98660	98.15
7.5	6,736,653	81,346	0.01208	0.98792	96.83
8.5	6,544,350	114,473	0.01749	0.98251	95.66
9.5	6,013,726	76,776	0.01277	0.98723	93.99
10.5	5,819,978	174,236	0.02994	0.97006	92.79
11.5	5,085,709	52,615	0.01035	0.98965	90.01
12.5	4,135,103	42,343	0.01024	0.98976	89.08
13.5	577,992	8,484	0.01468	0.98532	88.17
14.5	362,305	4,547	0.01255	0.98745	86.88
15.5	288,971	10,980	0.03800	0.96200	85.79
16.5	277,010	8,172	0.02950	0.97050	82.53
17.5	268,838	0	0.00000	1.00000	80.10
18.5	268,838	0	0.00000	1.00000	80.10
19.5	268,838	0	0.00000	1.00000	80.10
Totals:		825,321			

# American Water Works - Indiana

## Account 311.530 - Pumping Equipment - Water Treatment

Placement Band - 2007 - 2022    Experience Band - 2017 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 311.530 - Pumping Equipment - Water Treatment

Placement Band - 2007 - 2022    Experience Band - 2017 - 2022

### RETIREMENT RATE ANALYSIS

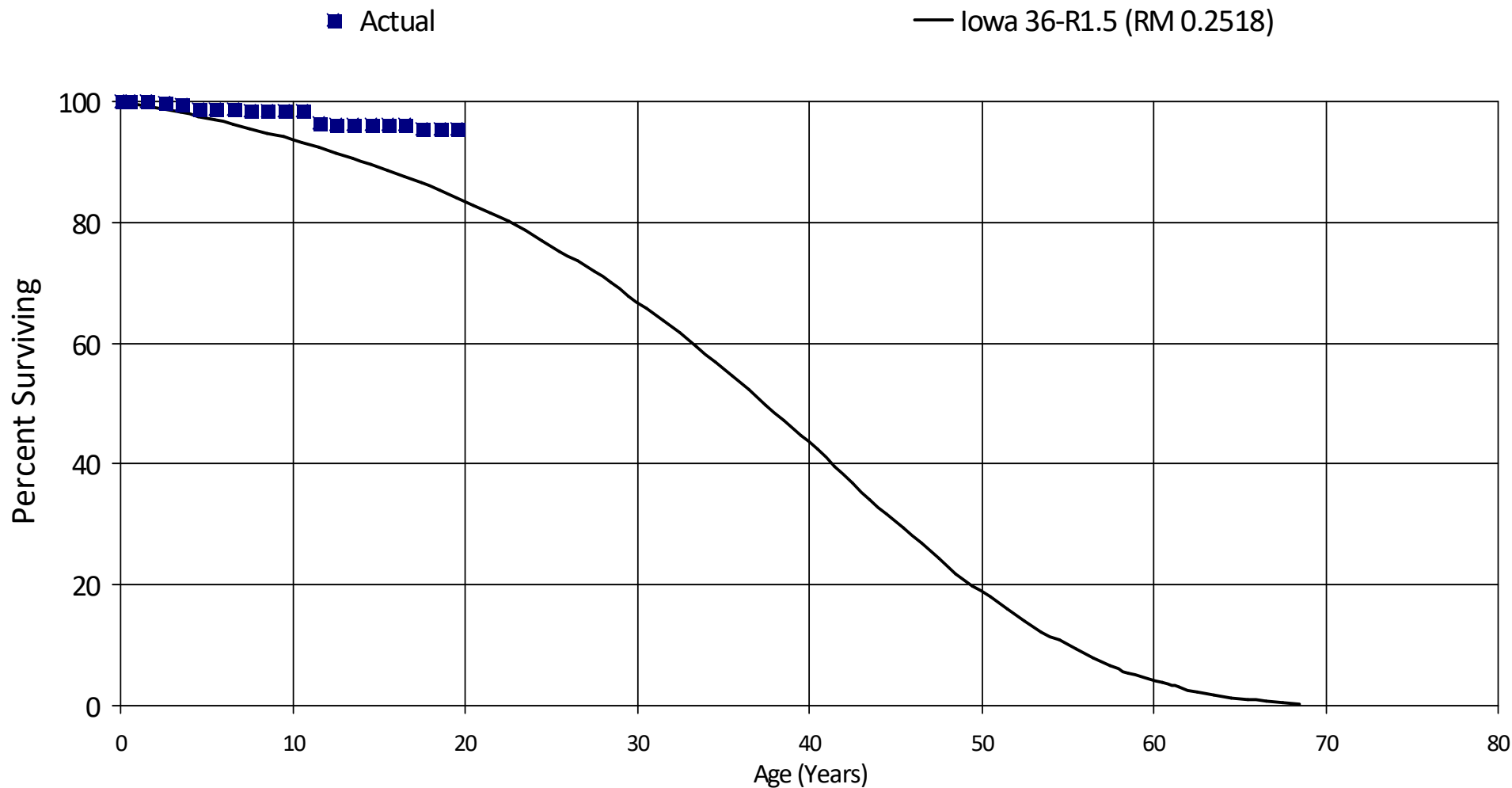
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	3,657,560	0	0.00000	1.00000	100.00
0.5	1,382,722	0	0.00000	1.00000	100.00
1.5	1,341,274	1,309	0.00098	0.99902	100.00
2.5	574,310	0	0.00000	1.00000	99.90
3.5	171,479	0	0.00000	1.00000	99.90
4.5	171,479	0	0.00000	1.00000	99.90
5.5	171,479	0	0.00000	1.00000	99.90
6.5	171,479	0	0.00000	1.00000	99.90
7.5	171,479	0	0.00000	1.00000	99.90
8.5	171,479	1,290	0.00752	0.99248	99.90
9.5	170,189	8,005	0.04704	0.95296	99.15
10.5	92,514	2,317	0.02504	0.97496	94.49
11.5	90,197	221	0.00245	0.99755	92.12
12.5	89,976	14,382	0.15984	0.84016	91.89
13.5	75,594	0	0.00000	1.00000	77.20
14.5	45,703	0	0.00000	1.00000	77.20
<b>Totals:</b>		27,524			

# American Water Works - Indiana

## Account 311.540 - Pumping Equipment - T & D

Placement Band - 1963 - 2022    Experience Band - 2018 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 311.540 - Pumping Equipment - T & D

Placement Band - 1963 - 2022    Experience Band - 2018 - 2022

### RETIREMENT RATE ANALYSIS

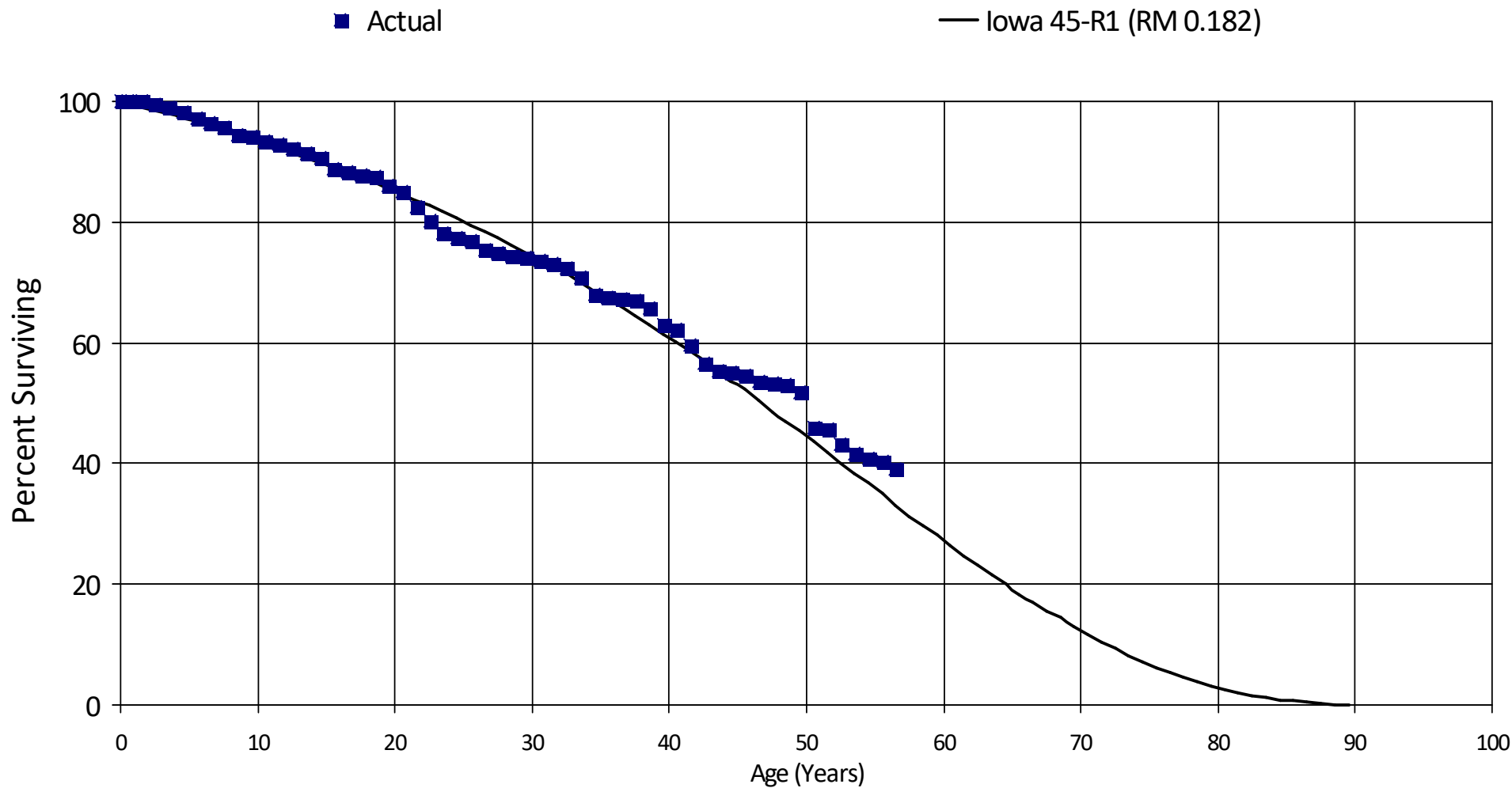
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	1,002,047	0	0.00000	1.00000	100.00
0.5	1,002,047	761	0.00076	0.99924	100.00
1.5	1,001,286	1,140	0.00114	0.99886	99.92
2.5	982,768	3,016	0.00307	0.99693	99.81
3.5	790,764	6,656	0.00842	0.99158	99.50
4.5	776,034	0	0.00000	1.00000	98.66
5.5	591,103	0	0.00000	1.00000	98.66
6.5	532,649	941	0.00177	0.99823	98.66
7.5	518,287	0	0.00000	1.00000	98.49
8.5	516,851	0	0.00000	1.00000	98.49
9.5	457,281	0	0.00000	1.00000	98.49
10.5	292,733	5,858	0.02001	0.97999	98.49
11.5	286,875	1,197	0.00417	0.99583	96.52
12.5	285,678	0	0.00000	1.00000	96.12
13.5	285,678	164	0.00057	0.99943	96.12
14.5	285,514	0	0.00000	1.00000	96.07
15.5	285,514	0	0.00000	1.00000	96.07
16.5	274,610	1,897	0.00691	0.99309	96.07
17.5	272,713	0	0.00000	1.00000	95.41
18.5	272,713	0	0.00000	1.00000	95.41
19.5	2,387	0	0.00000	1.00000	95.41
	<b>Totals:</b>	21,630			

# American Water Works - Indiana

## Account 320.100 - Water Treatment Equipment - Non-Media

Placement Band - 1885 - 2022    Experience Band - 1966 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 320.100 - Water Treatment Equipment - Non-Media

Placement Band - 1885 - 2022 Experience Band - 1966 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	167,777,287	66,110	0.00039	0.99961	100.00
0.5	144,546,339	108,036	0.00075	0.99925	99.96
1.5	139,327,541	650,529	0.00467	0.99533	99.89
2.5	116,221,889	577,941	0.00497	0.99503	99.42
3.5	102,891,049	759,799	0.00738	0.99262	98.93
4.5	101,419,714	902,800	0.00890	0.99110	98.20
5.5	98,837,054	909,974	0.00921	0.99079	97.33
6.5	97,444,295	786,143	0.00807	0.99193	96.43
7.5	95,283,473	1,181,884	0.01240	0.98760	95.65
8.5	92,470,209	388,873	0.00421	0.99579	94.46
9.5	90,326,435	736,583	0.00815	0.99185	94.06
10.5	87,706,394	398,840	0.00455	0.99545	93.29
11.5	81,254,056	587,544	0.00723	0.99277	92.87
12.5	80,548,620	689,866	0.00856	0.99144	92.20
13.5	71,693,115	672,323	0.00938	0.99062	91.41
14.5	67,785,149	1,225,250	0.01808	0.98192	90.55
15.5	66,383,927	415,650	0.00626	0.99374	88.91
16.5	65,683,455	371,708	0.00566	0.99434	88.35
17.5	62,426,169	282,314	0.00452	0.99548	87.85
18.5	61,586,123	1,060,556	0.01722	0.98278	87.45
19.5	60,472,532	723,419	0.01196	0.98804	85.94
20.5	56,503,614	1,581,788	0.02799	0.97201	84.91
21.5	53,094,788	1,428,041	0.02690	0.97310	82.53
22.5	51,137,575	1,286,939	0.02517	0.97483	80.31
23.5	37,895,647	459,240	0.01212	0.98788	78.29
24.5	36,997,341	173,858	0.00470	0.99530	77.34
25.5	29,328,145	578,906	0.01974	0.98026	76.98
26.5	28,567,513	265,692	0.00930	0.99070	75.46



## American Water Works - Indiana

### Account 320.100 - Water Treatment Equipment - Non-Media

Placement Band - 1885 - 2022    Experience Band - 1966 - 2022

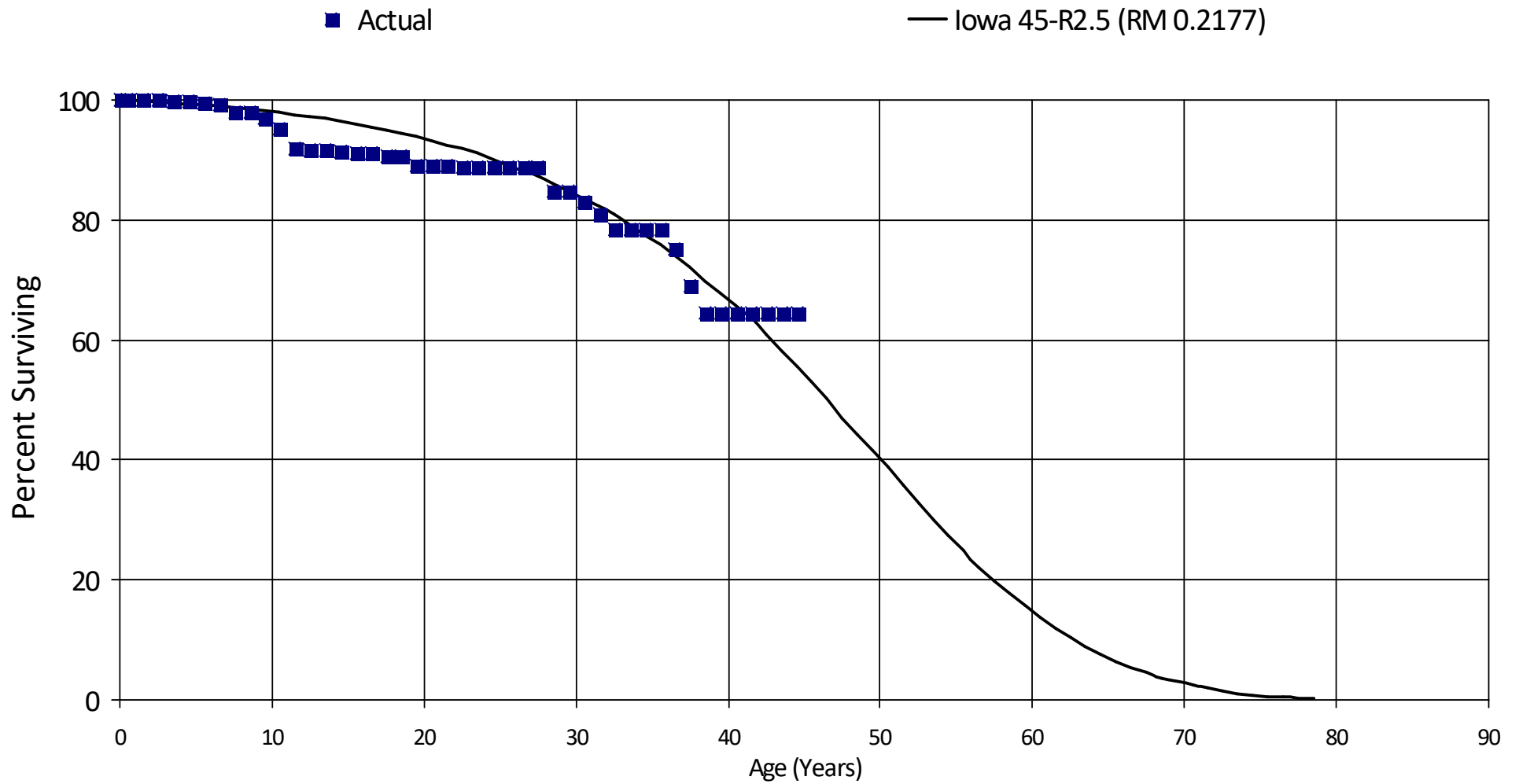
27.5	28,224,084	166,226	0.00589	0.99411	74.76
28.5	24,697,551	70,210	0.00284	0.99716	74.32
29.5	24,569,378	151,068	0.00615	0.99385	74.11
30.5	21,645,972	173,217	0.00800	0.99200	73.65
31.5	17,037,215	182,558	0.01072	0.98928	73.06
32.5	16,556,645	355,129	0.02145	0.97855	72.28
33.5	12,463,699	473,772	0.03801	0.96199	70.73
34.5	11,906,889	94,716	0.00795	0.99205	68.04
35.5	11,767,833	59,771	0.00508	0.99492	67.50
36.5	10,488,124	24,726	0.00236	0.99764	67.16
37.5	10,312,420	195,049	0.01891	0.98109	67.00
38.5	9,963,767	440,865	0.04425	0.95575	65.73
39.5	6,028,910	71,288	0.01182	0.98818	62.82
40.5	3,711,198	139,446	0.03757	0.96243	62.08
41.5	3,557,570	188,112	0.05288	0.94712	59.75
42.5	3,337,951	69,191	0.02073	0.97927	56.59
43.5	3,268,044	15,250	0.00467	0.99533	55.42
44.5	2,747,169	28,670	0.01044	0.98956	55.16
45.5	2,709,443	45,525	0.01680	0.98320	54.58
46.5	2,636,738	15,233	0.00578	0.99422	53.66
47.5	2,597,382	15,786	0.00608	0.99392	53.35
48.5	2,544,253	64,712	0.02543	0.97457	53.03
49.5	2,471,666	278,023	0.11248	0.88752	51.68
50.5	2,173,486	13,175	0.00606	0.99394	45.87
51.5	2,109,425	109,818	0.05206	0.94794	45.59
52.5	1,999,056	71,610	0.03582	0.96418	43.22
53.5	1,924,156	35,398	0.01840	0.98160	41.67
54.5	1,888,679	27,044	0.01432	0.98568	40.90
55.5	1,604,638	50,085	0.03121	0.96879	40.31
56.5	1,546,470	52,447	0.03391	0.96609	39.05
<b>Totals:</b>		<b>22,948,726</b>			

# American Water Works - Indiana

Account 320.190 - Water Treatment Equipment - Non-Media - Other

Placement Band - 1953 - 2022 Experience Band - 2003 - 2022

## Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 320.190 - Water Treatment Equipment - Non-Media - Other

Placement Band - 1953 - 2022 Experience Band - 2003 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	69,162,007	1,308	0.00002	0.99998	100.00
0.5	54,494,717	32,669	0.00060	0.99940	100.00
1.5	54,017,372	28,355	0.00052	0.99948	99.94
2.5	52,616,749	66,608	0.00127	0.99873	99.89
3.5	43,464,559	31,483	0.00072	0.99928	99.76
4.5	42,700,491	69,525	0.00163	0.99837	99.69
5.5	41,757,064	173,567	0.00416	0.99584	99.53
6.5	39,358,206	412,711	0.01049	0.98951	99.12
7.5	36,457,840	65,715	0.00180	0.99820	98.08
8.5	27,399,971	248,834	0.00908	0.99092	97.90
9.5	26,512,805	471,697	0.01779	0.98221	97.01
10.5	25,166,572	896,322	0.03562	0.96438	95.28
11.5	17,471,983	42,966	0.00246	0.99754	91.89
12.5	17,330,833	16,803	0.00097	0.99903	91.66
13.5	8,264,004	9,971	0.00121	0.99879	91.57
14.5	6,090,212	18,504	0.00304	0.99696	91.46
15.5	5,990,925	11,629	0.00194	0.99806	91.18
16.5	5,850,582	22,002	0.00376	0.99624	91.00
17.5	4,152,778	5,481	0.00132	0.99868	90.66
18.5	4,103,750	61,808	0.01506	0.98494	90.54
19.5	3,583,258	8,312	0.00232	0.99768	89.18
20.5	3,458,853	0	0.00000	1.00000	88.97
21.5	3,331,958	1,107	0.00033	0.99967	88.97
22.5	2,790,815	0	0.00000	1.00000	88.94
23.5	389,986	0	0.00000	1.00000	88.94
24.5	389,986	0	0.00000	1.00000	88.94
25.5	389,986	0	0.00000	1.00000	88.94
26.5	387,539	0	0.00000	1.00000	88.94

## American Water Works - Indiana

### Account 320.190 - Water Treatment Equipment - Non-Media - Other

Placement Band - 1953 - 2022    Experience Band - 2003 - 2022

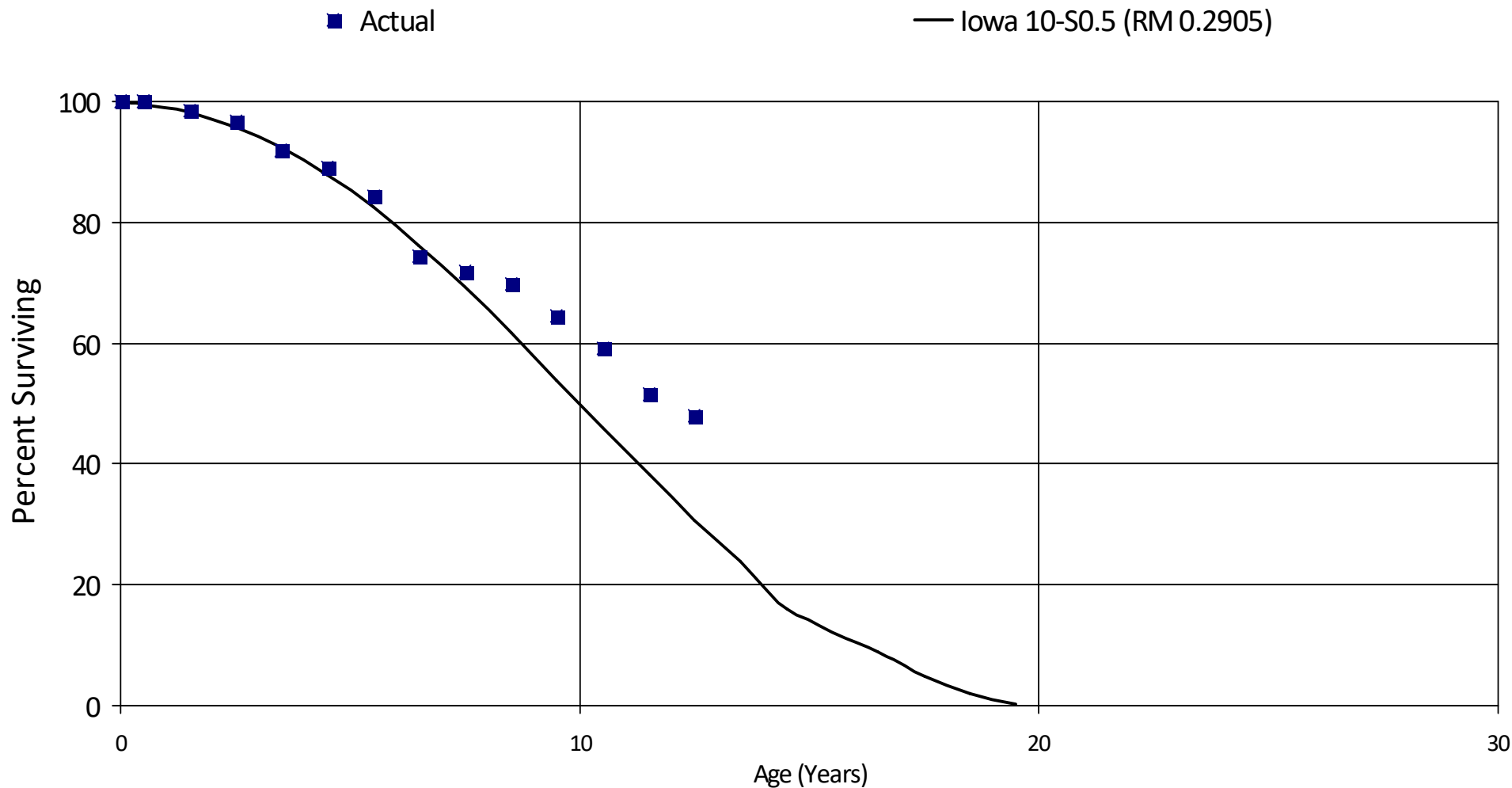
27.5	387,539	18,264	0.04713	0.95287	88.94
28.5	369,275	0	0.00000	1.00000	84.75
29.5	369,275	7,384	0.02000	0.98000	84.75
30.5	361,891	9,032	0.02496	0.97504	83.06
31.5	352,859	11,189	0.03171	0.96829	80.99
32.5	341,671	0	0.00000	1.00000	78.42
33.5	341,671	0	0.00000	1.00000	78.42
34.5	341,671	0	0.00000	1.00000	78.42
35.5	341,671	14,003	0.04098	0.95902	78.42
36.5	327,667	26,448	0.08072	0.91928	75.21
37.5	301,219	19,989	0.06636	0.93364	69.14
38.5	281,230	0	0.00000	1.00000	64.55
39.5	281,230	0	0.00000	1.00000	64.55
40.5	281,230	0	0.00000	1.00000	64.55
41.5	281,230	0	0.00000	1.00000	64.55
42.5	281,230	0	0.00000	1.00000	64.55
43.5	281,230	0	0.00000	1.00000	64.55
44.5	281,230	144,906	0.51526	0.48474	64.55
<b>Totals:</b>		<b>2,948,592</b>			

# American Water Works - Indiana

## Account 320.200 - WT Equipment - Filter Media

Placement Band - 2007 - 2022 Experience Band - 2010 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 320.200 - WT Equipment - Filter Media

Placement Band - 2007 - 2022    Experience Band - 2010 - 2022

### RETIREMENT RATE ANALYSIS

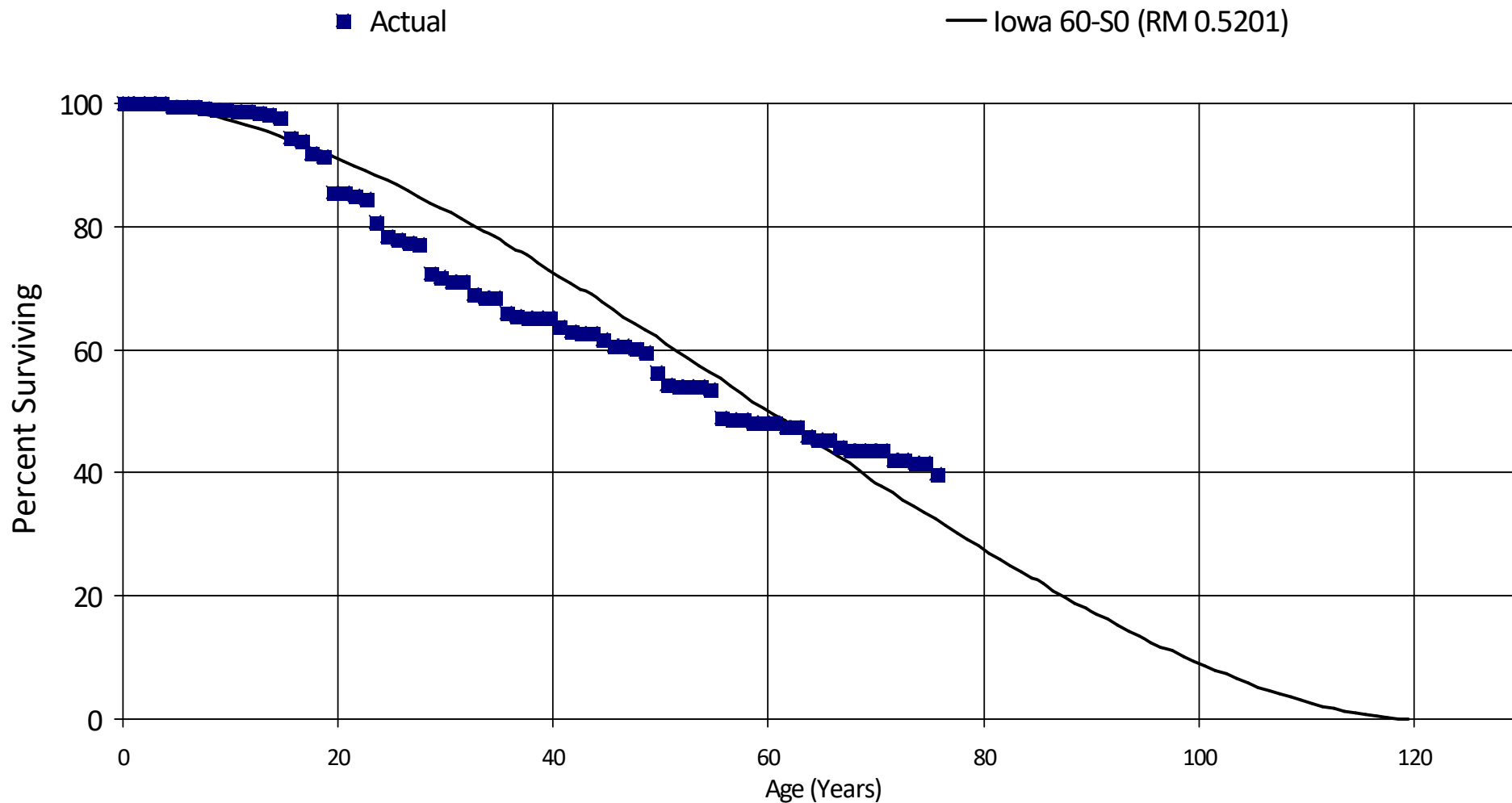
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	8,135,371	0	0.00000	1.00000	100.00
0.5	7,605,975	123,951	0.01630	0.98370	100.00
1.5	7,419,689	129,167	0.01741	0.98259	98.37
2.5	7,092,624	341,852	0.04820	0.95180	96.66
3.5	6,197,601	188,815	0.03047	0.96953	92.00
4.5	5,655,199	310,904	0.05498	0.94502	89.20
5.5	4,912,358	576,473	0.11735	0.88265	84.30
6.5	3,919,650	134,182	0.03423	0.96577	74.41
7.5	3,399,705	101,066	0.02973	0.97027	71.86
8.5	2,294,049	171,326	0.07468	0.92532	69.72
9.5	2,058,640	169,272	0.08223	0.91777	64.51
10.5	1,626,011	213,989	0.13160	0.86840	59.21
11.5	881,268	57,275	0.06499	0.93501	51.42
12.5	484,145	0	0.00000	1.00000	48.08
<b>Totals:</b>		2,518,272			

# American Water Works - Indiana

## Account 330.000 - Distribution Reservoirs & Standpipes

Placement Band - 1891 - 2022    Experience Band - 1968 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 330.000 - Distribution Reservoirs & Standpipes

Placement Band - 1891 - 2022 Experience Band - 1968 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	75,927,130	200	0.00000	1.00000	100.00
0.5	75,055,187	7,391	0.00010	0.99990	100.00
1.5	74,093,887	8,138	0.00011	0.99989	99.99
2.5	73,146,019	668	0.00001	0.99999	99.98
3.5	68,072,482	317,213	0.00466	0.99534	99.98
4.5	65,475,428	7,122	0.00011	0.99989	99.51
5.5	65,123,161	55,235	0.00085	0.99915	99.50
6.5	63,854,568	51,851	0.00081	0.99919	99.42
7.5	62,707,607	200,363	0.00320	0.99680	99.34
8.5	61,198,878	73,297	0.00120	0.99880	99.02
9.5	58,298,843	50,671	0.00087	0.99913	98.90
10.5	57,290,425	79,473	0.00139	0.99861	98.81
11.5	53,572,737	130,221	0.00243	0.99757	98.67
12.5	52,947,134	179,984	0.00340	0.99660	98.43
13.5	48,971,749	176,565	0.00361	0.99639	98.10
14.5	45,934,334	1,559,453	0.03395	0.96605	97.75
15.5	36,690,974	167,359	0.00456	0.99544	94.43
16.5	36,336,622	820,637	0.02258	0.97742	94.00
17.5	32,927,969	180,174	0.00547	0.99453	91.88
18.5	32,210,102	2,029,103	0.06300	0.93700	91.38
19.5	27,469,573	14,997	0.00055	0.99945	85.62
20.5	27,141,446	146,734	0.00541	0.99459	85.57
21.5	24,121,313	200,265	0.00830	0.99170	85.11
22.5	21,426,754	922,195	0.04304	0.95696	84.40
23.5	18,015,087	518,785	0.02880	0.97120	80.77
24.5	14,818,528	90,580	0.00611	0.99389	78.44
25.5	13,710,142	108,563	0.00792	0.99208	77.96
26.5	13,448,366	14,185	0.00105	0.99895	77.34



## American Water Works - Indiana

### Account 330.000 - Distribution Reservoirs & Standpipes

Placement Band - 1891 - 2022    Experience Band - 1968 - 2022

27.5	13,433,701	856,978	0.06379	0.93621	77.26
28.5	10,872,338	85,456	0.00786	0.99214	72.33
29.5	10,339,826	87,878	0.00850	0.99150	71.76
30.5	9,240,343	8,230	0.00089	0.99911	71.15
31.5	9,082,620	274,389	0.03021	0.96979	71.09
32.5	8,799,219	53,709	0.00610	0.99390	68.94
33.5	8,408,657	2,158	0.00026	0.99974	68.52
34.5	8,150,586	293,368	0.03599	0.96401	68.50
35.5	7,808,708	67,609	0.00866	0.99134	66.03
36.5	6,865,109	14,025	0.00204	0.99796	65.46
37.5	6,843,389	934	0.00014	0.99986	65.33
38.5	6,428,185	18,832	0.00293	0.99707	65.32
39.5	6,409,353	144,240	0.02250	0.97750	65.13
40.5	6,265,113	80,781	0.01289	0.98711	63.66
41.5	6,170,697	5,175	0.00084	0.99916	62.84
42.5	6,163,542	5,727	0.00093	0.99907	62.79
43.5	6,157,816	113,039	0.01836	0.98164	62.73
44.5	5,824,911	89,219	0.01532	0.98468	61.58
45.5	5,735,692	5,530	0.00096	0.99904	60.64
46.5	5,730,162	38,784	0.00677	0.99323	60.58
47.5	4,227,028	31,950	0.00756	0.99244	60.17
48.5	4,195,078	230,953	0.05505	0.94495	59.72
49.5	3,559,319	135,364	0.03803	0.96197	56.43
50.5	3,310,095	6,402	0.00193	0.99807	54.28
51.5	3,303,693	43	0.00001	0.99999	54.18
52.5	3,187,105	4,816	0.00151	0.99849	54.18
53.5	3,180,308	27,703	0.00871	0.99129	54.10
54.5	2,959,729	250,709	0.08471	0.91529	53.63
55.5	2,544,034	14,958	0.00588	0.99412	49.09
56.5	2,349,850	2,059	0.00088	0.99912	48.80
57.5	2,347,791	23,599	0.01005	0.98995	48.76

## American Water Works - Indiana

### Account 330.000 - Distribution Reservoirs & Standpipes

Placement Band - 1891 - 2022    Experience Band - 1968 - 2022

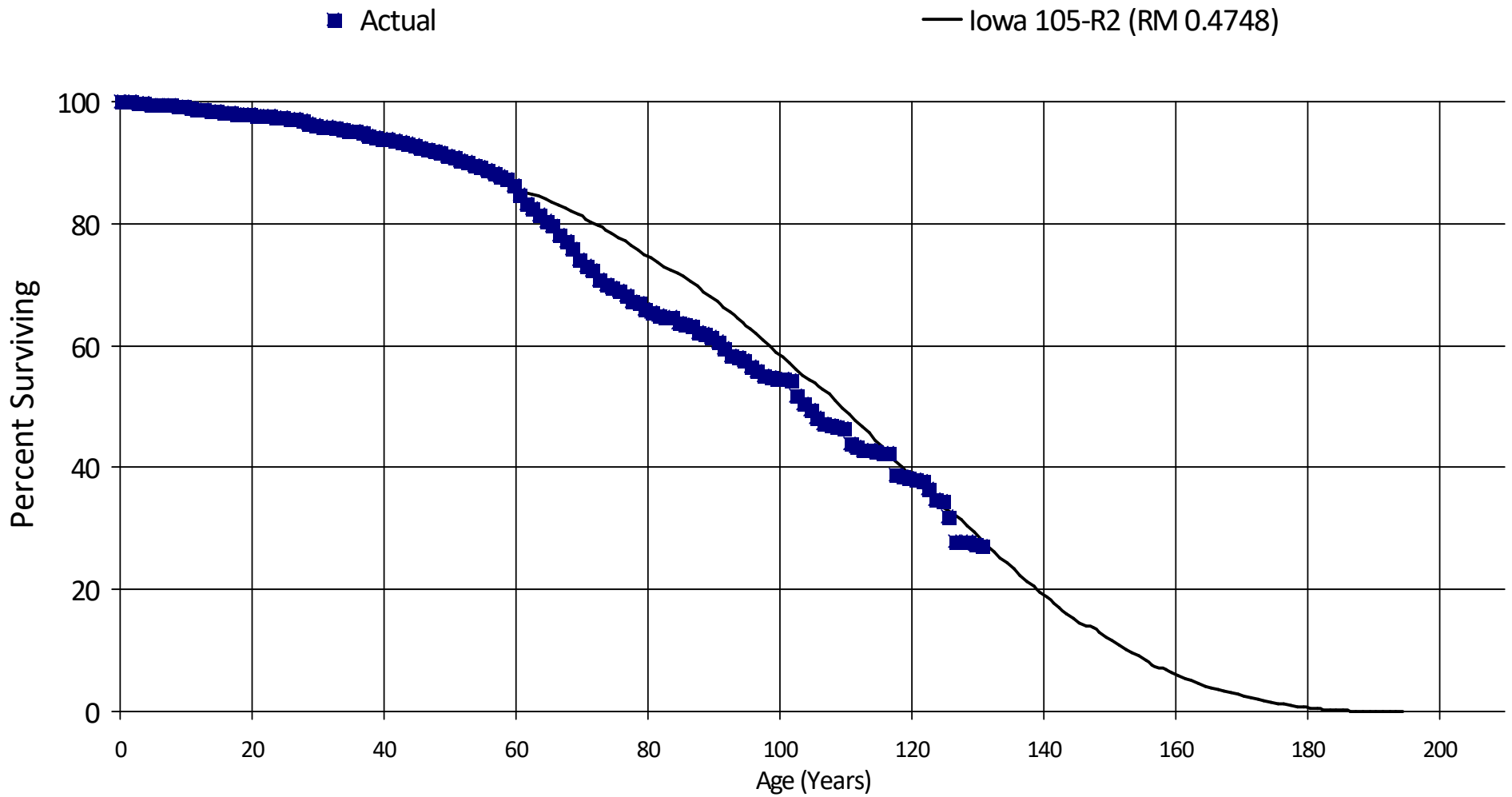
58.5	2,324,191	5,016	0.00216	0.99784	48.27
59.5	2,303,694	3,078	0.00134	0.99866	48.17
60.5	2,069,797	31,021	0.01499	0.98501	48.11
61.5	1,772,442	864	0.00049	0.99951	47.39
62.5	1,768,550	49,873	0.02820	0.97180	47.37
63.5	1,695,103	19,547	0.01153	0.98847	46.03
64.5	1,563,660	3,900	0.00249	0.99751	45.50
65.5	1,556,939	46,192	0.02967	0.97033	45.39
66.5	1,506,906	11,665	0.00774	0.99226	44.04
67.5	924,982	0	0.00000	1.00000	43.70
68.5	738,646	0	0.00000	1.00000	43.70
69.5	738,646	32	0.00004	0.99996	43.70
70.5	738,613	25,451	0.03446	0.96554	43.70
71.5	713,162	2,099	0.00294	0.99706	42.19
72.5	711,064	7,518	0.01057	0.98943	42.07
73.5	543,702	0	0.00000	1.00000	41.63
74.5	480,691	20,635	0.04293	0.95707	41.63
75.5	424,499	312,928	0.73717	0.26283	39.84
<b>Totals:</b>		11,625,858			

# American Water Works - Indiana

## Account 331.001 - Mains

Placement Band - 1865 - 2022 Experience Band - 1923 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 331.001 - Mains

Placement Band - 1865 - 2022 Experience Band - 1923 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	1,018,711,085	874,527	0.00086	0.99914	100.00
0.5	917,052,136	250,586	0.00027	0.99973	99.91
1.5	863,666,421	493,031	0.00057	0.99943	99.88
2.5	806,337,161	1,225,214	0.00152	0.99848	99.82
3.5	768,695,572	801,337	0.00104	0.99896	99.67
4.5	737,639,886	522,314	0.00071	0.99929	99.57
5.5	688,361,537	82,390	0.00012	0.99988	99.50
6.5	648,493,650	368,033	0.00057	0.99943	99.49
7.5	615,306,560	512,079	0.00083	0.99917	99.43
8.5	594,430,863	662,102	0.00111	0.99889	99.35
9.5	571,873,593	1,698,886	0.00297	0.99703	99.24
10.5	545,993,019	1,586,620	0.00291	0.99709	98.95
11.5	522,903,671	132,792	0.00025	0.99975	98.66
12.5	494,712,723	493,725	0.00100	0.99900	98.64
13.5	453,754,022	224,887	0.00050	0.99950	98.54
14.5	424,060,507	907,157	0.00214	0.99786	98.49
15.5	390,028,171	530,294	0.00136	0.99864	98.28
16.5	348,122,341	463,393	0.00133	0.99867	98.15
17.5	340,234,805	244,641	0.00072	0.99928	98.02
18.5	327,151,167	261,489	0.00080	0.99920	97.95
19.5	306,599,434	201,745	0.00066	0.99934	97.87
20.5	291,305,931	217,780	0.00075	0.99925	97.81
21.5	275,803,887	333,283	0.00121	0.99879	97.74
22.5	262,692,471	338,807	0.00129	0.99871	97.62
23.5	235,646,573	228,013	0.00097	0.99903	97.49
24.5	215,690,685	218,774	0.00101	0.99899	97.40
25.5	198,290,527	318,041	0.00160	0.99840	97.30
26.5	183,741,066	356,704	0.00194	0.99806	97.14

# American Water Works - Indiana

## Account 331.001 - Mains

Placement Band - 1865 - 2022    Experience Band - 1923 - 2022

27.5	168,307,312	864,749	0.00514	0.99486	96.95
28.5	156,720,050	430,034	0.00274	0.99726	96.45
29.5	144,592,010	262,941	0.00182	0.99818	96.19
30.5	135,548,589	172,985	0.00128	0.99872	96.01
31.5	127,846,123	280,849	0.00220	0.99780	95.89
32.5	120,253,048	305,703	0.00254	0.99746	95.68
33.5	113,170,496	195,029	0.00172	0.99828	95.44
34.5	108,125,133	253,657	0.00235	0.99765	95.28
35.5	103,679,983	248,989	0.00240	0.99760	95.06
36.5	100,441,017	432,477	0.00431	0.99569	94.83
37.5	93,922,440	197,566	0.00210	0.99790	94.42
38.5	91,583,913	262,853	0.00287	0.99713	94.22
39.5	88,957,787	125,105	0.00141	0.99859	93.95
40.5	86,733,792	165,274	0.00191	0.99809	93.82
41.5	84,406,892	183,250	0.00217	0.99783	93.64
42.5	81,227,163	240,308	0.00296	0.99704	93.44
43.5	77,821,119	237,386	0.00305	0.99695	93.16
44.5	73,561,753	313,708	0.00426	0.99574	92.88
45.5	70,530,624	217,223	0.00308	0.99692	92.48
46.5	68,547,423	276,068	0.00403	0.99597	92.20
47.5	62,393,392	204,841	0.00328	0.99672	91.83
48.5	60,036,744	204,228	0.00340	0.99660	91.53
49.5	57,332,940	283,345	0.00494	0.99506	91.22
50.5	53,261,757	196,101	0.00368	0.99632	90.77
51.5	50,149,381	257,395	0.00513	0.99487	90.44
52.5	46,047,480	179,334	0.00389	0.99611	89.98
53.5	42,184,234	165,924	0.00393	0.99607	89.63
54.5	40,223,005	176,661	0.00439	0.99561	89.28
55.5	38,336,314	278,161	0.00726	0.99274	88.89
56.5	36,651,389	181,423	0.00495	0.99505	88.24
57.5	32,434,355	218,639	0.00674	0.99326	87.80

# American Water Works - Indiana

## Account 331.001 - Mains

Placement Band - 1865 - 2022    Experience Band - 1923 - 2022

58.5	30,440,697	292,696	0.00962	0.99038	87.21
59.5	28,337,377	540,493	0.01907	0.98093	86.37
60.5	26,713,680	441,129	0.01651	0.98349	84.72
61.5	24,125,289	260,228	0.01079	0.98921	83.32
62.5	21,725,349	247,365	0.01139	0.98861	82.42
63.5	20,174,000	274,531	0.01361	0.98639	81.48
64.5	18,453,070	180,645	0.00979	0.99021	80.37
65.5	16,911,619	278,866	0.01649	0.98351	79.58
66.5	15,090,689	219,831	0.01457	0.98543	78.27
67.5	13,177,562	195,661	0.01485	0.98515	77.13
68.5	11,125,982	260,648	0.02343	0.97657	75.98
69.5	9,978,951	142,071	0.01424	0.98576	74.20
70.5	9,415,284	94,203	0.01001	0.98999	73.14
71.5	8,993,233	190,475	0.02118	0.97882	72.41
72.5	7,967,070	82,276	0.01033	0.98967	70.88
73.5	7,523,359	65,841	0.00875	0.99125	70.15
74.5	6,937,585	54,275	0.00782	0.99218	69.54
75.5	6,707,225	74,523	0.01111	0.98889	69.00
76.5	6,564,107	96,302	0.01467	0.98533	68.23
77.5	6,213,276	23,635	0.00380	0.99620	67.23
78.5	6,183,535	84,518	0.01367	0.98633	66.97
79.5	5,986,604	44,439	0.00742	0.99258	66.05
80.5	5,862,485	53,808	0.00918	0.99082	65.56
81.5	5,750,467	20,435	0.00355	0.99645	64.96
82.5	5,517,599	10,210	0.00185	0.99815	64.73
83.5	5,421,961	74,097	0.01367	0.98633	64.61
84.5	5,321,669	19,138	0.00360	0.99640	63.73
85.5	5,229,837	20,403	0.00390	0.99610	63.50
86.5	5,099,573	91,299	0.01790	0.98210	63.25
87.5	4,974,676	19,426	0.00390	0.99610	62.12
88.5	4,842,529	28,335	0.00585	0.99415	61.88

# American Water Works - Indiana

## Account 331.001 - Mains

Placement Band - 1865 - 2022    Experience Band - 1923 - 2022

89.5	4,810,639	58,280	0.01211	0.98789	61.52
90.5	4,749,555	78,758	0.01658	0.98342	60.77
91.5	4,614,154	103,896	0.02252	0.97748	59.76
92.5	4,394,824	22,323	0.00508	0.99492	58.41
93.5	4,251,638	43,173	0.01015	0.98985	58.11
94.5	4,127,076	72,100	0.01747	0.98253	57.52
95.5	3,901,612	47,182	0.01209	0.98791	56.52
96.5	3,671,589	54,754	0.01491	0.98509	55.84
97.5	3,379,260	10,453	0.00309	0.99691	55.01
98.5	3,277,440	8,818	0.00269	0.99731	54.84
99.5	2,960,174	6,237	0.00211	0.99789	54.69
100.5	2,882,692	10,035	0.00348	0.99652	54.57
101.5	2,247,906	109,362	0.04865	0.95135	54.38
102.5	1,820,179	41,385	0.02274	0.97726	51.73
103.5	1,716,097	34,799	0.02028	0.97972	50.55
104.5	1,642,733	41,736	0.02541	0.97459	49.52
105.5	1,540,048	36,590	0.02376	0.97624	48.26
106.5	1,433,966	3,903	0.00272	0.99728	47.11
107.5	886,119	6,685	0.00754	0.99246	46.98
108.5	842,668	2,983	0.00354	0.99646	46.63
109.5	731,802	41,703	0.05699	0.94301	46.46
110.5	650,698	6,738	0.01036	0.98964	43.81
111.5	602,270	4,719	0.00784	0.99216	43.36
112.5	569,678	1,599	0.00281	0.99719	43.02
113.5	558,692	3,686	0.00660	0.99340	42.90
114.5	545,039	1,832	0.00336	0.99664	42.62
115.5	409,997	785	0.00191	0.99809	42.48
116.5	409,184	33,673	0.08229	0.91771	42.40
117.5	367,272	2,617	0.00713	0.99287	38.91
118.5	360,228	3,956	0.01098	0.98902	38.63
119.5	353,500	1,351	0.00382	0.99618	38.21

## American Water Works - Indiana

### Account 331.001 - Mains

Placement Band - 1865 - 2022    Experience Band - 1923 - 2022

120.5	348,283	1,413	0.00406	0.99594	38.06
121.5	346,673	12,437	0.03588	0.96412	37.91
122.5	32,486	1,568	0.04827	0.95173	36.55
123.5	30,918	245	0.00792	0.99208	34.79
124.5	30,673	2,335	0.07613	0.92387	34.51
125.5	28,338	3,534	0.12471	0.87529	31.88
126.5	24,804	39	0.00157	0.99843	27.90
127.5	24,766	1	0.00004	0.99996	27.86
128.5	24,764	450	0.01817	0.98183	27.86
129.5	24,314	253	0.01041	0.98959	27.35
130.5	24,061	23,494	0.97643	0.02357	27.07
<b>Totals:</b>		27,984,532			

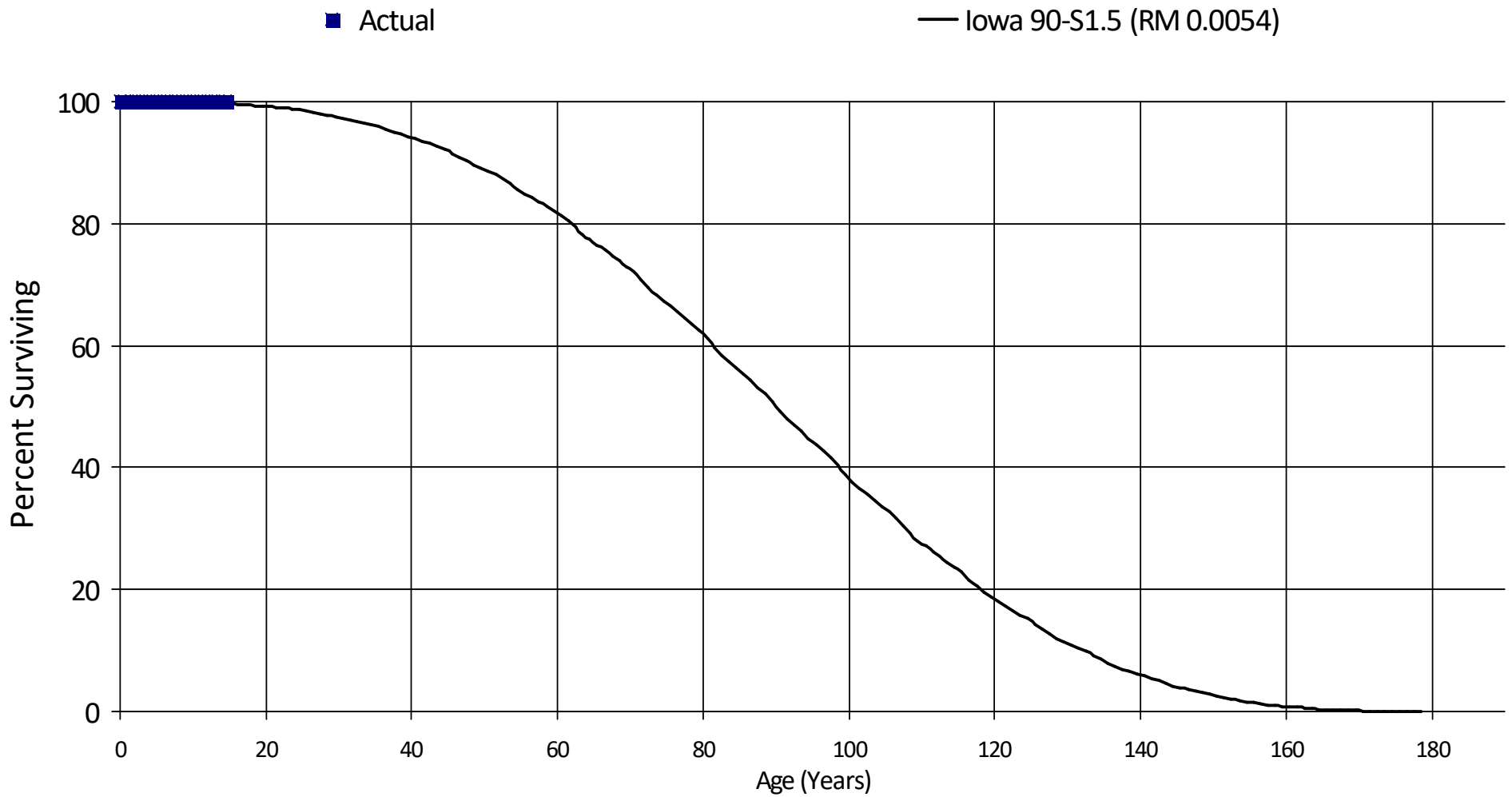


# American Water Works - Indiana

## Account 332.000 - Fire Mains

Placement Band - 2007 - 2022    Experience Band - 2022 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 332.000 - Fire Mains

Placement Band - 2007 - 2022 Experience Band - 2022 - 2022

### RETIREMENT RATE ANALYSIS

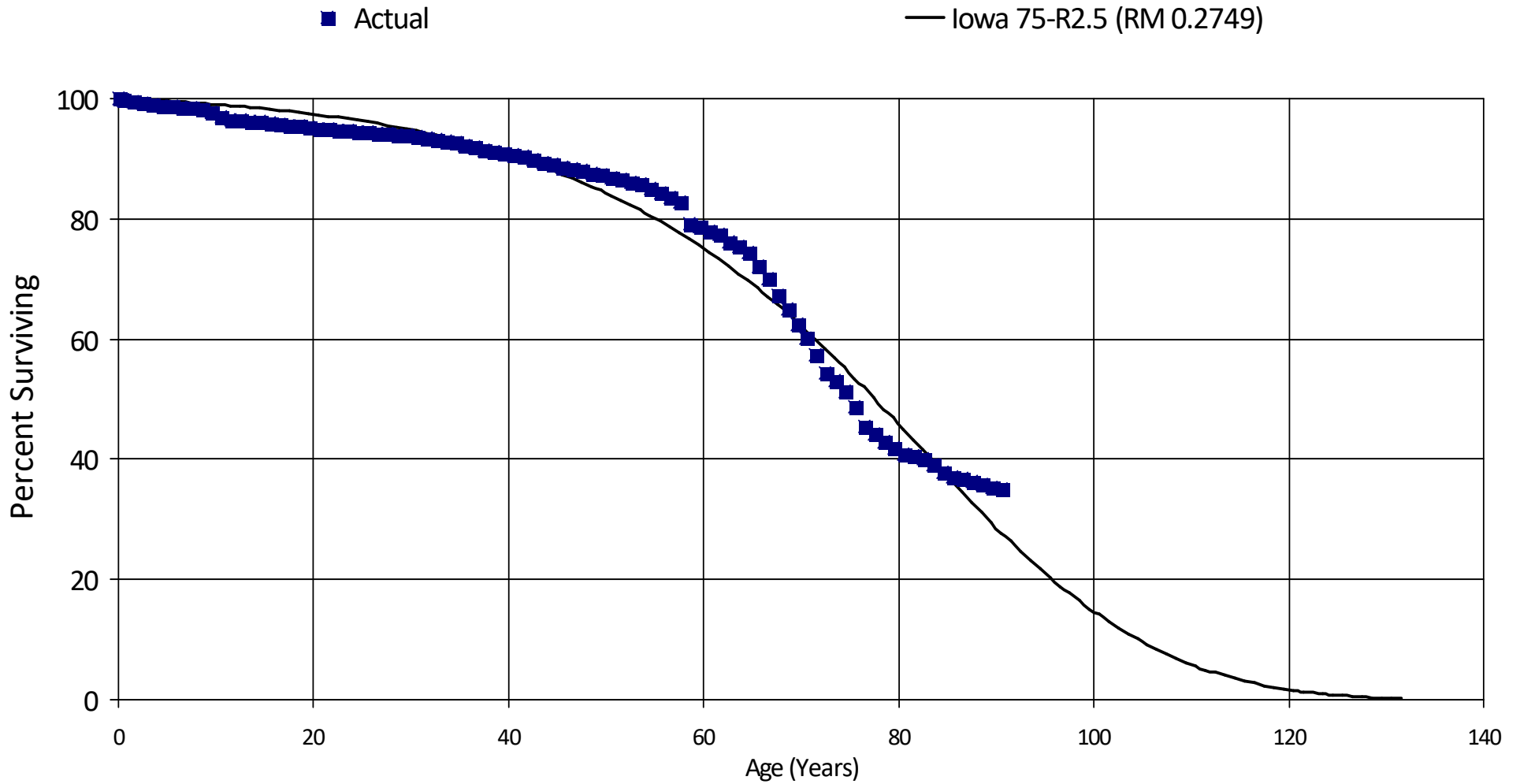
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	20,403	0	0.00000	1.00000	100.00
0.5	20,403	0	0.00000	1.00000	100.00
1.5	20,403	0	0.00000	1.00000	100.00
2.5	5,732	0	0.00000	1.00000	100.00
3.5	1,000	0	0.00000	1.00000	100.00
4.5	1,000	0	0.00000	1.00000	100.00
5.5	1,000	0	0.00000	1.00000	100.00
6.5	1,000	0	0.00000	1.00000	100.00
7.5	1,000	0	0.00000	1.00000	100.00
8.5	1,000	0	0.00000	1.00000	100.00
9.5	1,000	0	0.00000	1.00000	100.00
10.5	1,000	0	0.00000	1.00000	100.00
11.5	1,000	0	0.00000	1.00000	100.00
12.5	1,000	0	0.00000	1.00000	100.00
13.5	1,000	0	0.00000	1.00000	100.00
14.5	1,000	0	0.00000	1.00000	100.00
<b>Totals:</b>		0			

# American Water Works - Indiana

## Account 333.000 - Services

Placement Band - 1900 - 2022 Experience Band - 1930 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 333.000 - Services

Placement Band - 1900 - 2022 Experience Band - 1930 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	235,516,122	598,261	0.00254	0.99746	100.00
0.5	217,187,242	766,059	0.00353	0.99647	99.75
1.5	201,844,031	215,643	0.00107	0.99893	99.40
2.5	185,540,816	428,090	0.00231	0.99769	99.29
3.5	171,304,098	383,427	0.00224	0.99776	99.06
4.5	161,646,812	80,884	0.00050	0.99950	98.84
5.5	149,808,426	303,590	0.00203	0.99797	98.79
6.5	134,240,939	319,720	0.00238	0.99762	98.59
7.5	123,772,140	209,136	0.00169	0.99831	98.36
8.5	117,799,980	421,223	0.00358	0.99642	98.19
9.5	111,969,072	1,015,851	0.00907	0.99093	97.84
10.5	106,614,755	441,651	0.00414	0.99586	96.95
11.5	100,984,071	102,645	0.00102	0.99898	96.55
12.5	94,439,372	143,832	0.00152	0.99848	96.45
13.5	86,312,295	195,533	0.00227	0.99773	96.30
14.5	82,285,883	132,491	0.00161	0.99839	96.08
15.5	81,155,329	162,259	0.00200	0.99800	95.93
16.5	72,172,167	156,327	0.00217	0.99783	95.74
17.5	71,545,557	119,143	0.00167	0.99833	95.53
18.5	69,552,728	94,080	0.00135	0.99865	95.37
19.5	67,518,242	142,680	0.00211	0.99789	95.24
20.5	64,577,901	67,407	0.00104	0.99896	95.04
21.5	59,082,358	118,596	0.00201	0.99799	94.94
22.5	55,895,814	58,554	0.00105	0.99895	94.75
23.5	52,631,136	90,309	0.00172	0.99828	94.65
24.5	49,406,680	51,949	0.00105	0.99895	94.49
25.5	45,411,086	104,653	0.00230	0.99770	94.39
26.5	43,042,183	29,976	0.00070	0.99930	94.17

# American Water Works - Indiana

## Account 333.000 - Services

Placement Band - 1900 - 2022    Experience Band - 1930 - 2022

27.5	40,866,107	42,094	0.00103	0.99897	94.10
28.5	38,923,719	40,681	0.00105	0.99895	94.00
29.5	35,340,445	92,505	0.00262	0.99738	93.90
30.5	33,774,762	59,523	0.00176	0.99824	93.65
31.5	32,317,003	86,940	0.00269	0.99731	93.49
32.5	30,654,016	85,386	0.00279	0.99721	93.24
33.5	29,321,428	89,074	0.00304	0.99696	92.98
34.5	28,117,381	137,979	0.00491	0.99509	92.70
35.5	26,957,851	115,714	0.00429	0.99571	92.24
36.5	25,936,174	103,063	0.00397	0.99603	91.84
37.5	25,020,444	80,323	0.00321	0.99679	91.48
38.5	24,174,351	58,359	0.00241	0.99759	91.19
39.5	23,333,732	107,862	0.00462	0.99538	90.97
40.5	22,553,174	68,589	0.00304	0.99696	90.55
41.5	21,782,997	98,674	0.00453	0.99547	90.27
42.5	20,659,340	97,834	0.00474	0.99526	89.86
43.5	19,761,568	83,957	0.00425	0.99575	89.43
44.5	18,468,960	73,327	0.00397	0.99603	89.05
45.5	17,472,367	67,696	0.00387	0.99613	88.70
46.5	16,791,468	73,447	0.00437	0.99563	88.36
47.5	13,994,402	43,957	0.00314	0.99686	87.97
48.5	13,406,353	47,345	0.00353	0.99647	87.69
49.5	12,958,954	71,177	0.00549	0.99451	87.38
50.5	11,826,177	43,563	0.00368	0.99632	86.90
51.5	11,319,055	64,221	0.00567	0.99433	86.58
52.5	10,709,854	38,624	0.00361	0.99639	86.09
53.5	9,998,450	73,821	0.00738	0.99262	85.78
54.5	8,865,153	97,054	0.01095	0.98905	85.15
55.5	8,400,438	77,304	0.00920	0.99080	84.22
56.5	7,951,129	78,138	0.00983	0.99017	83.45
57.5	7,305,932	294,637	0.04033	0.95967	82.63

# American Water Works - Indiana

## Account 333.000 - Services

Placement Band - 1900 - 2022    Experience Band - 1930 - 2022

58.5	6,745,090	43,848	0.00650	0.99350	79.30
59.5	6,327,865	61,766	0.00976	0.99024	78.78
60.5	5,969,027	53,132	0.00890	0.99110	78.01
61.5	5,410,694	74,555	0.01378	0.98622	77.32
62.5	4,801,948	50,073	0.01043	0.98957	76.25
63.5	4,462,932	58,375	0.01308	0.98692	75.45
64.5	4,133,260	128,847	0.03117	0.96883	74.46
65.5	3,746,994	104,554	0.02790	0.97210	72.14
66.5	3,341,884	140,357	0.04200	0.95800	70.13
67.5	2,855,338	99,080	0.03470	0.96530	67.18
68.5	2,379,723	86,561	0.03637	0.96363	64.85
69.5	2,121,288	81,036	0.03820	0.96180	62.49
70.5	1,931,811	89,981	0.04658	0.95342	60.10
71.5	1,729,050	93,020	0.05380	0.94620	57.30
72.5	1,284,493	26,293	0.02047	0.97953	54.22
73.5	1,163,497	39,927	0.03432	0.96568	53.11
74.5	1,030,002	52,166	0.05065	0.94935	51.29
75.5	909,117	58,792	0.06467	0.93533	48.69
76.5	829,654	25,827	0.03113	0.96887	45.54
77.5	771,546	21,734	0.02817	0.97183	44.12
78.5	742,193	15,239	0.02053	0.97947	42.88
79.5	707,934	19,226	0.02716	0.97284	42.00
80.5	673,563	4,060	0.00603	0.99397	40.86
81.5	647,545	8,922	0.01378	0.98622	40.61
82.5	455,459	12,332	0.02708	0.97292	40.05
83.5	429,123	13,603	0.03170	0.96830	38.97
84.5	410,410	6,805	0.01658	0.98342	37.73
85.5	396,289	3,852	0.00972	0.99028	37.10
86.5	387,980	4,904	0.01264	0.98736	36.74
87.5	380,371	4,223	0.01110	0.98890	36.28
88.5	374,280	6,681	0.01785	0.98215	35.88

# American Water Works - Indiana

## Account 333.000 - Services

Placement Band - 1900 - 2022    Experience Band - 1930 - 2022

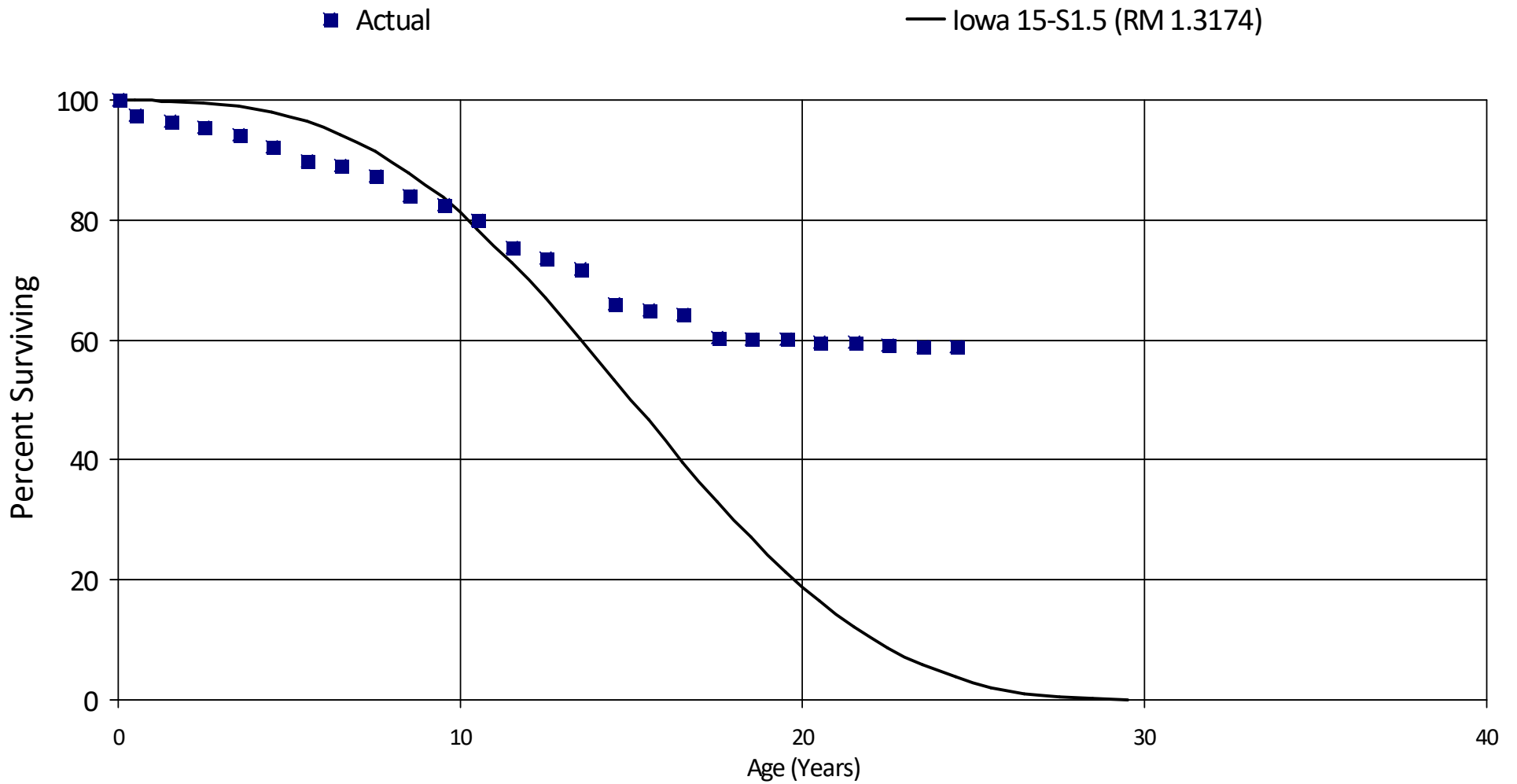
89.5	366,801	3,288	0.00896	0.99104	35.24
90.5	361,621	1,436	0.00397	0.99603	34.92
<b>Totals:</b>		<b>11,041,332</b>			

# American Water Works - Indiana

## Account 334.100 - Meters

Placement Band - 1900 - 2022 Experience Band - 2009 - 2022

### Actual and Smooth Survivor Curves





# American Water Works - Indiana

## Account 334.100 - Meters

Placement Band - 1900 - 2022 Experience Band - 2009 - 2022

### RETIREMENT RATE ANALYSIS

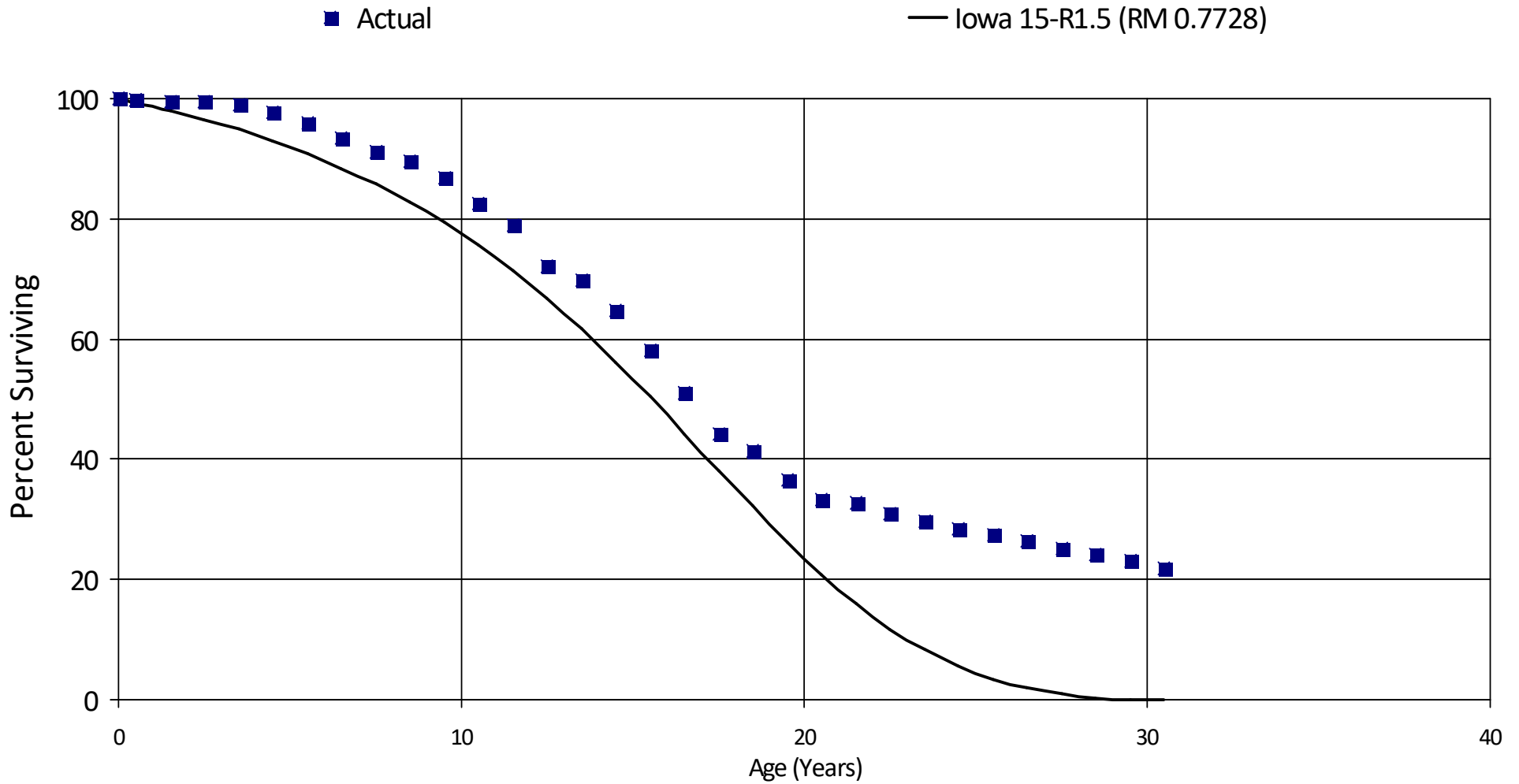
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	46,973,763	1,164,899	0.02480	0.97520	100.00
0.5	38,543,676	392,134	0.01017	0.98983	97.52
1.5	33,741,829	388,246	0.01151	0.98849	96.53
2.5	27,847,124	385,021	0.01383	0.98617	95.42
3.5	22,783,573	485,114	0.02129	0.97871	94.10
4.5	21,512,699	518,289	0.02409	0.97591	92.10
5.5	20,407,614	163,908	0.00803	0.99197	89.88
6.5	19,287,918	420,871	0.02182	0.97818	89.16
7.5	18,006,506	681,278	0.03784	0.96216	87.21
8.5	16,486,377	292,314	0.01773	0.98227	83.91
9.5	14,181,852	445,060	0.03138	0.96862	82.42
10.5	7,994,149	446,380	0.05584	0.94416	79.83
11.5	4,576,111	105,843	0.02313	0.97687	75.37
12.5	2,836,281	66,888	0.02358	0.97642	73.63
13.5	1,094,662	88,863	0.08118	0.91882	71.89
14.5	882,952	12,913	0.01462	0.98538	66.05
15.5	863,453	10,065	0.01166	0.98834	65.08
16.5	853,388	50,913	0.05966	0.94034	64.32
17.5	636,706	3,556	0.00558	0.99442	60.48
18.5	631,612	269	0.00043	0.99957	60.14
19.5	629,364	5,495	0.00873	0.99127	60.11
20.5	616,549	64	0.00010	0.99990	59.59
21.5	615,060	5,480	0.00891	0.99109	59.58
22.5	578,779	1,540	0.00266	0.99734	59.05
23.5	575,959	0	0.00000	1.00000	58.89
24.5	442,775	0	0.00000	1.00000	58.89
<b>Totals:</b>		6,135,403			

# American Water Works - Indiana

## Account 334.110 - Meters - Bronze Case

Placement Band - 1900 - 2022 Experience Band - 1924 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 334.110 - Meters - Bronze Case

Placement Band - 1900 - 2022 Experience Band - 1924 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	46,594,751	129,235	0.00277	0.99723	100.00
0.5	46,465,418	61,067	0.00131	0.99869	99.72
1.5	46,365,546	23,494	0.00051	0.99949	99.59
2.5	46,143,990	211,434	0.00458	0.99542	99.54
3.5	44,539,674	656,260	0.01473	0.98527	99.08
4.5	42,466,613	700,155	0.01649	0.98351	97.62
5.5	39,285,229	1,067,140	0.02716	0.97284	96.01
6.5	36,587,236	909,897	0.02487	0.97513	93.40
7.5	34,530,568	600,061	0.01738	0.98262	91.08
8.5	33,510,332	1,019,452	0.03042	0.96958	89.50
9.5	32,357,314	1,565,166	0.04837	0.95163	86.78
10.5	27,949,630	1,209,722	0.04328	0.95672	82.58
11.5	25,014,025	2,206,884	0.08823	0.91177	79.01
12.5	21,478,458	632,540	0.02945	0.97055	72.04
13.5	14,130,585	1,073,239	0.07595	0.92405	69.92
14.5	10,403,457	1,038,495	0.09982	0.90018	64.61
15.5	8,831,251	1,074,175	0.12163	0.87837	58.16
16.5	6,311,794	861,634	0.13651	0.86349	51.09
17.5	5,286,628	322,910	0.06108	0.93892	44.12
18.5	4,476,052	513,862	0.11480	0.88520	41.43
19.5	3,852,326	355,841	0.09237	0.90763	36.67
20.5	3,197,475	47,468	0.01485	0.98515	33.28
21.5	2,494,896	148,660	0.05959	0.94041	32.79
22.5	1,761,807	68,115	0.03866	0.96134	30.84
23.5	1,379,795	62,222	0.04510	0.95490	29.65
24.5	1,162,046	36,924	0.03177	0.96823	28.31
25.5	927,748	34,396	0.03707	0.96293	27.41
26.5	722,646	35,926	0.04971	0.95029	26.39

# American Water Works - Indiana

## Account 334.110 - Meters - Bronze Case

Placement Band - 1900 - 2022    Experience Band - 1924 - 2022

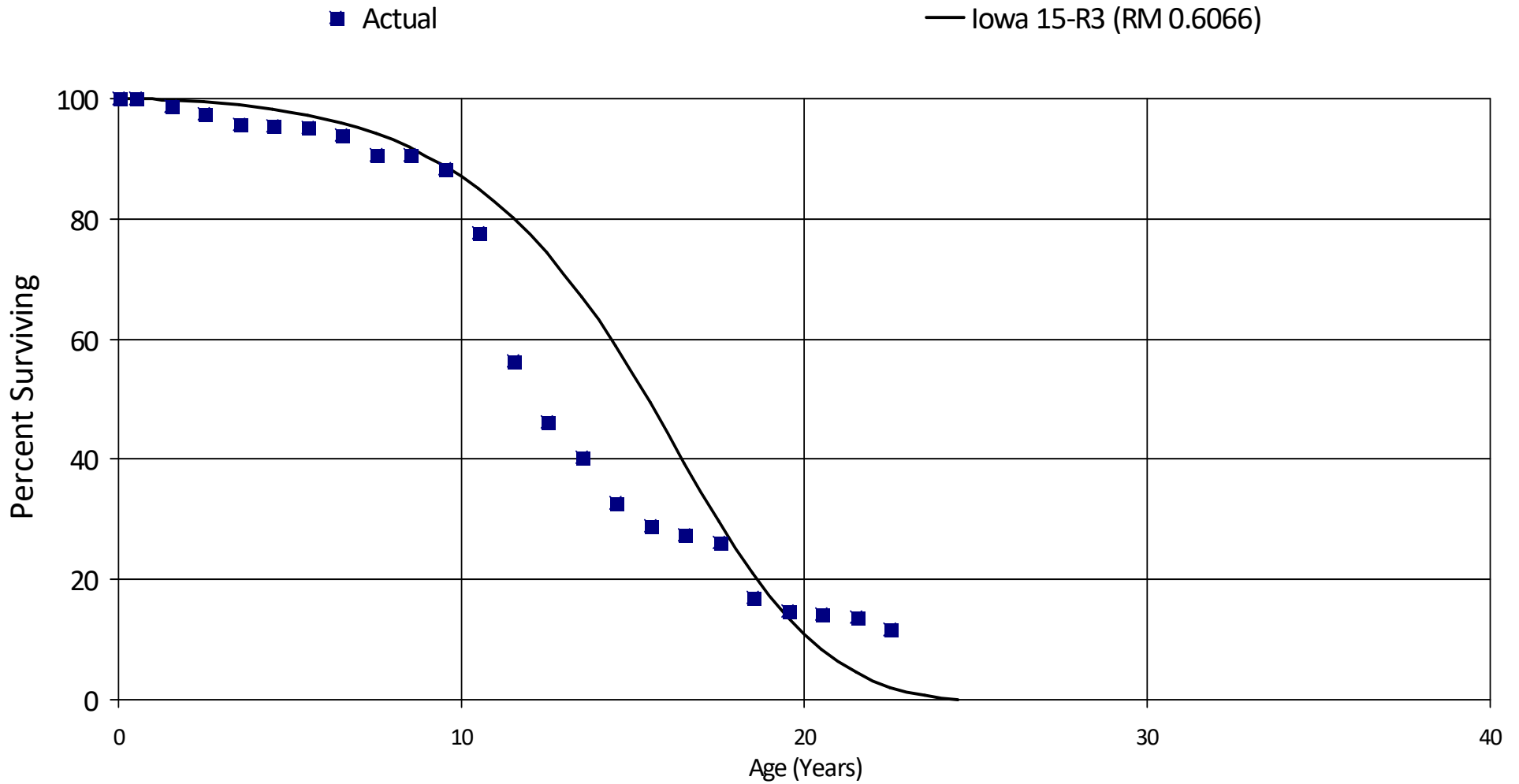
27.5	649,075	22,073	0.03401	0.96599	25.08
28.5	596,982	25,289	0.04236	0.95764	24.23
29.5	545,309	31,965	0.05862	0.94138	23.20
30.5	445,659	21,405	0.04803	0.95197	21.84
Totals:		16,767,106			

# American Water Works - Indiana

## Account 334.120 - Meters - Plastic Case

Placement Band - 1947 - 2022 Experience Band - 1972 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 334.120 - Meters - Plastic Case

Placement Band - 1947 - 2022 Experience Band - 1972 - 2022

### RETIREMENT RATE ANALYSIS

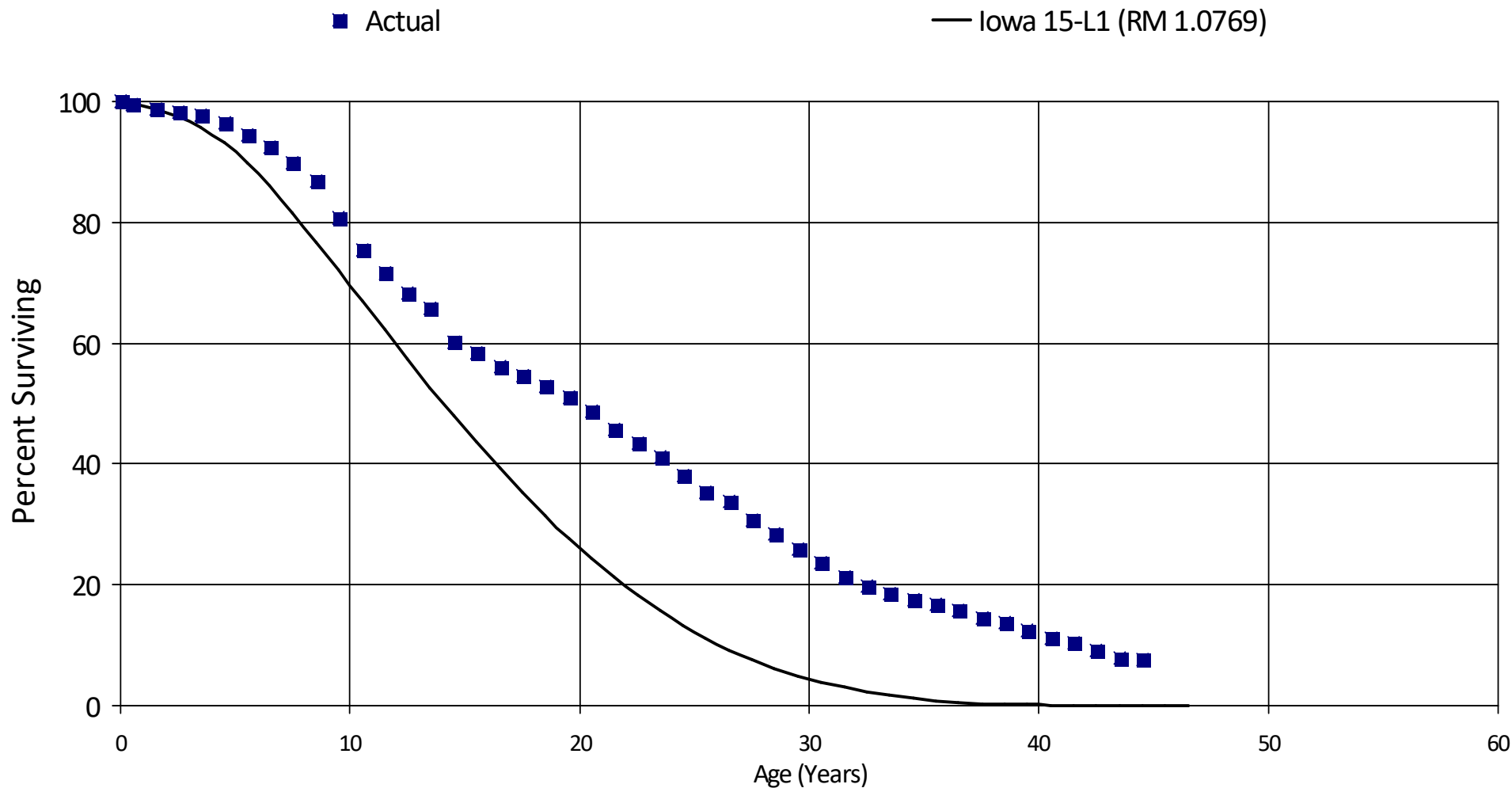
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	11,981,436	14,747	0.00123	0.99877	100.00
0.5	11,966,212	144,375	0.01207	0.98793	99.88
1.5	11,821,837	158,852	0.01344	0.98656	98.67
2.5	11,544,252	182,699	0.01583	0.98417	97.34
3.5	11,206,557	43,301	0.00386	0.99614	95.80
4.5	10,924,818	42,170	0.00386	0.99614	95.43
5.5	10,791,483	123,426	0.01144	0.98856	95.06
6.5	10,438,201	366,998	0.03516	0.96484	93.97
7.5	8,926,194	17,168	0.00192	0.99808	90.67
8.5	5,172,359	120,372	0.02327	0.97673	90.50
9.5	4,089,230	501,305	0.12259	0.87741	88.39
10.5	845,297	232,455	0.27500	0.72500	77.55
11.5	582,949	104,433	0.17915	0.82085	56.22
12.5	475,714	58,571	0.12312	0.87688	46.15
13.5	373,495	70,711	0.18932	0.81068	40.47
14.5	302,784	36,187	0.11951	0.88049	32.81
15.5	260,458	13,422	0.05153	0.94847	28.89
16.5	246,681	10,992	0.04456	0.95544	27.40
17.5	235,689	83,128	0.35270	0.64730	26.18
18.5	151,167	20,923	0.13841	0.86159	16.95
19.5	129,375	3,465	0.02678	0.97322	14.60
20.5	123,248	4,540	0.03684	0.96316	14.21
21.5	117,849	17,530	0.14875	0.85125	13.69
22.5	99,179	26,613	0.26833	0.73167	11.65
	<b>Totals:</b>	2,398,383			

# American Water Works - Indiana

## Account 334.130 - Meters - Other

Placement Band - 1915 - 2022 Experience Band - 1950 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 334.130 - Meters - Other

Placement Band - 1915 - 2022 Experience Band - 1950 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	20,092,273	91,637	0.00456	0.99544	100.00
0.5	19,727,173	176,411	0.00894	0.99106	99.54
1.5	19,415,109	71,172	0.00367	0.99633	98.65
2.5	19,150,671	137,278	0.00717	0.99283	98.29
3.5	18,288,852	193,099	0.01056	0.98944	97.59
4.5	17,980,890	384,441	0.02138	0.97862	96.56
5.5	17,322,832	371,626	0.02145	0.97855	94.50
6.5	16,272,311	457,432	0.02811	0.97189	92.47
7.5	15,708,064	540,786	0.03443	0.96557	89.87
8.5	14,917,945	1,025,374	0.06873	0.93127	86.78
9.5	13,154,675	891,713	0.06779	0.93221	80.82
10.5	11,454,346	564,694	0.04930	0.95070	75.34
11.5	10,766,695	488,773	0.04540	0.95460	71.63
12.5	10,063,558	387,265	0.03848	0.96152	68.38
13.5	9,666,684	820,115	0.08484	0.91516	65.75
14.5	8,772,225	279,795	0.03190	0.96810	60.17
15.5	8,492,430	302,806	0.03566	0.96434	58.25
16.5	6,415,219	188,893	0.02944	0.97056	56.17
17.5	5,847,987	182,085	0.03114	0.96886	54.52
18.5	5,649,514	196,655	0.03481	0.96519	52.82
19.5	5,432,871	252,753	0.04652	0.95348	50.98
20.5	5,165,115	323,548	0.06264	0.93736	48.61
21.5	4,774,815	233,289	0.04886	0.95114	45.57
22.5	4,387,105	220,511	0.05026	0.94974	43.34
23.5	2,339,111	170,466	0.07288	0.92712	41.16
24.5	2,126,271	163,407	0.07685	0.92315	38.16
25.5	1,915,282	84,962	0.04436	0.95564	35.23
26.5	1,830,320	163,613	0.08939	0.91061	33.67



## American Water Works - Indiana

### Account 334.130 - Meters - Other

Placement Band - 1915 - 2022    Experience Band - 1950 - 2022

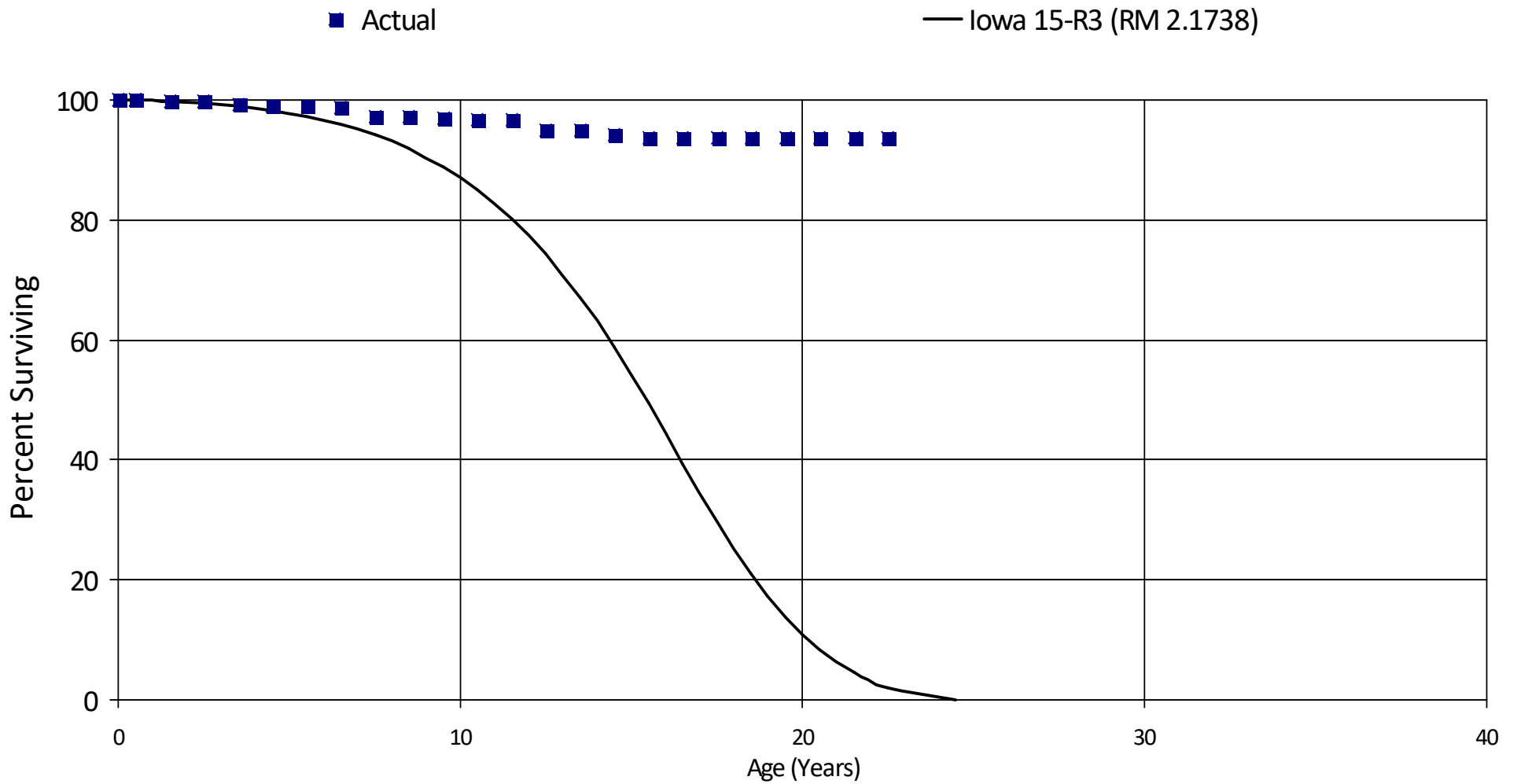
27.5	1,666,707	117,691	0.07061	0.92939	30.66
28.5	1,512,766	141,095	0.09327	0.90673	28.50
29.5	1,295,175	115,311	0.08903	0.91097	25.84
30.5	1,128,311	104,951	0.09302	0.90698	23.54
31.5	945,553	74,104	0.07837	0.92163	21.35
32.5	823,042	44,756	0.05438	0.94562	19.68
33.5	763,280	40,781	0.05343	0.94657	18.61
34.5	678,000	34,774	0.05129	0.94871	17.62
35.5	601,156	31,715	0.05276	0.94724	16.72
36.5	540,945	44,693	0.08262	0.91738	15.84
37.5	476,495	27,631	0.05799	0.94201	14.53
38.5	436,520	40,205	0.09210	0.90790	13.69
39.5	375,646	38,170	0.10161	0.89839	12.43
40.5	323,880	24,237	0.07483	0.92517	11.17
41.5	295,297	33,285	0.11272	0.88728	10.33
42.5	250,591	34,823	0.13896	0.86104	9.17
43.5	207,499	5,035	0.02427	0.97573	7.90
44.5	193,951	7,041	0.03630	0.96370	7.71
Totals:		10,324,897			

# American Water Works - Indiana

## Account 334.131 - Meter Reading Units

Placement Band - 1999 - 2022 Experience Band - 2017 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 334.131 - Meter Reading Units

Placement Band - 1999 - 2022 Experience Band - 2017 - 2022

### RETIREMENT RATE ANALYSIS

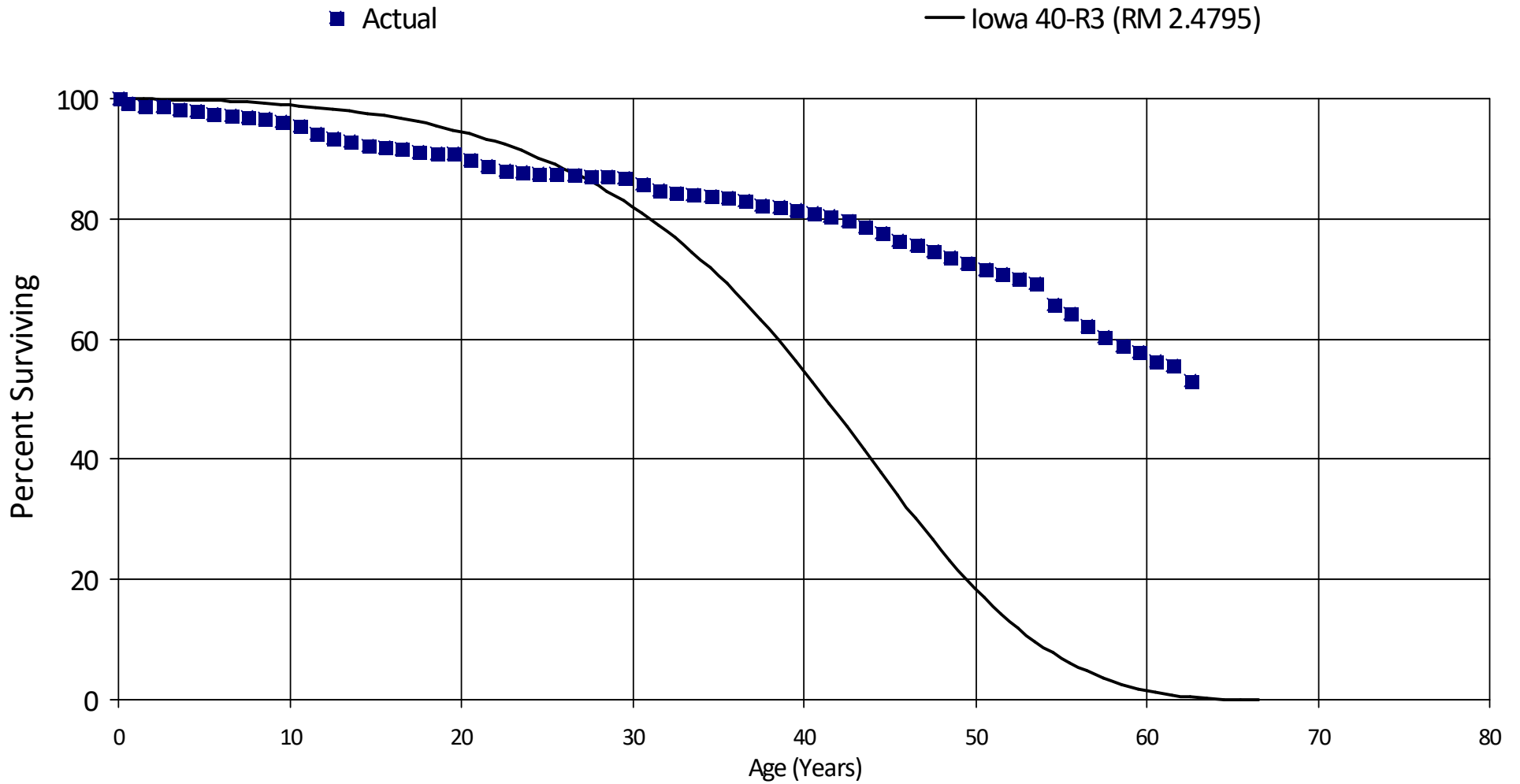
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	8,020,467	7,894	0.00098	0.99902	100.00
0.5	7,710,649	4,666	0.00061	0.99939	99.90
1.5	7,589,571	25	0.00000	1.00000	99.84
2.5	7,530,523	46,523	0.00618	0.99382	99.84
3.5	7,255,048	22,878	0.00315	0.99685	99.22
4.5	6,725,043	238	0.00004	0.99996	98.91
5.5	5,907,284	13,465	0.00228	0.99772	98.91
6.5	5,329,998	77,678	0.01457	0.98543	98.68
7.5	4,399,431	6,900	0.00157	0.99843	97.24
8.5	4,378,010	7,711	0.00176	0.99824	97.09
9.5	4,049,676	8,486	0.00210	0.99790	96.92
10.5	3,586,023	4,971	0.00139	0.99861	96.72
11.5	3,132,507	51,409	0.01641	0.98359	96.59
12.5	2,988,894	5,172	0.00173	0.99827	95.00
13.5	2,692,202	16,185	0.00601	0.99399	94.84
14.5	2,549,801	15,786	0.00619	0.99381	94.27
15.5	2,436,162	0	0.00000	1.00000	93.69
16.5	2,423,299	0	0.00000	1.00000	93.69
17.5	2,420,955	0	0.00000	1.00000	93.69
18.5	2,420,955	0	0.00000	1.00000	93.69
19.5	2,420,955	0	0.00000	1.00000	93.69
20.5	2,420,955	0	0.00000	1.00000	93.69
21.5	2,420,955	0	0.00000	1.00000	93.69
22.5	2,420,955	0	0.00000	1.00000	93.69
<b>Totals:</b>		289,987			

# American Water Works - Indiana

## Account 334.200 - Meter Installations

Placement Band - 1902 - 2022 Experience Band - 1943 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 334.200 - Meter Installations

Placement Band - 1902 - 2022 Experience Band - 1943 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	92,729,384	630,528	0.00680	0.99320	100.00
0.5	82,621,899	554,578	0.00671	0.99329	99.32
1.5	75,816,074	18,283	0.00024	0.99976	98.65
2.5	69,860,409	275,773	0.00395	0.99605	98.63
3.5	64,059,279	211,780	0.00331	0.99669	98.24
4.5	61,015,503	268,527	0.00440	0.99560	97.91
5.5	55,933,661	185,799	0.00332	0.99668	97.48
6.5	52,264,279	137,481	0.00263	0.99737	97.16
7.5	50,094,820	161,311	0.00322	0.99678	96.90
8.5	48,590,318	262,733	0.00541	0.99459	96.59
9.5	45,532,998	279,029	0.00613	0.99387	96.07
10.5	42,547,349	550,030	0.01293	0.98707	95.48
11.5	40,152,964	413,938	0.01031	0.98969	94.25
12.5	38,948,873	214,606	0.00551	0.99449	93.28
13.5	37,190,867	211,951	0.00570	0.99430	92.77
14.5	35,796,999	156,180	0.00436	0.99564	92.24
15.5	35,513,905	128,897	0.00363	0.99637	91.84
16.5	27,517,290	129,274	0.00470	0.99530	91.51
17.5	27,285,276	28,541	0.00105	0.99895	91.08
18.5	26,136,868	53,608	0.00205	0.99795	90.98
19.5	25,432,311	231,695	0.00911	0.99089	90.79
20.5	23,770,698	329,506	0.01386	0.98614	89.96
21.5	21,512,162	177,643	0.00826	0.99174	88.71
22.5	19,881,306	52,565	0.00264	0.99736	87.98
23.5	17,886,962	24,073	0.00135	0.99865	87.75
24.5	16,787,962	24,331	0.00145	0.99855	87.63
25.5	15,521,555	47,567	0.00306	0.99694	87.50
26.5	14,224,738	23,138	0.00163	0.99837	87.23

## American Water Works - Indiana

### Account 334.200 - Meter Installations

Placement Band - 1902 - 2022    Experience Band - 1943 - 2022

27.5	13,163,692	17,506	0.00133	0.99867	87.09
28.5	12,269,148	15,539	0.00127	0.99873	86.97
29.5	11,289,613	128,067	0.01134	0.98866	86.86
30.5	10,253,571	144,197	0.01406	0.98594	85.88
31.5	9,063,326	50,493	0.00557	0.99443	84.67
32.5	8,426,876	21,100	0.00250	0.99750	84.20
33.5	7,595,149	20,757	0.00273	0.99727	83.99
34.5	7,023,689	22,465	0.00320	0.99680	83.76
35.5	6,598,515	43,064	0.00653	0.99347	83.49
36.5	6,091,293	56,042	0.00920	0.99080	82.94
37.5	5,707,651	19,550	0.00343	0.99657	82.18
38.5	5,349,324	24,317	0.00455	0.99545	81.90
39.5	4,942,133	35,830	0.00725	0.99275	81.53
40.5	4,662,280	34,297	0.00736	0.99264	80.94
41.5	4,341,167	33,239	0.00766	0.99234	80.34
42.5	3,986,767	46,285	0.01161	0.98839	79.72
43.5	3,777,695	59,280	0.01569	0.98431	78.79
44.5	3,520,924	57,058	0.01621	0.98379	77.55
45.5	3,268,176	30,804	0.00943	0.99057	76.29
46.5	3,035,097	38,758	0.01277	0.98723	75.57
47.5	2,890,240	39,145	0.01354	0.98646	74.60
48.5	2,705,815	35,446	0.01310	0.98690	73.59
49.5	2,511,393	35,671	0.01420	0.98580	72.63
50.5	2,349,464	25,525	0.01086	0.98914	71.60
51.5	2,200,664	25,769	0.01171	0.98829	70.82
52.5	1,993,487	21,111	0.01059	0.98941	69.99
53.5	1,876,984	98,220	0.05233	0.94767	69.25
54.5	1,684,037	35,339	0.02098	0.97902	65.63
55.5	1,570,008	50,651	0.03226	0.96774	64.25
56.5	1,459,284	43,275	0.02965	0.97035	62.18
57.5	1,334,111	29,878	0.02240	0.97760	60.34

# American Water Works - Indiana

## Account 334.200 - Meter Installations

Placement Band - 1902 - 2022    Experience Band - 1943 - 2022

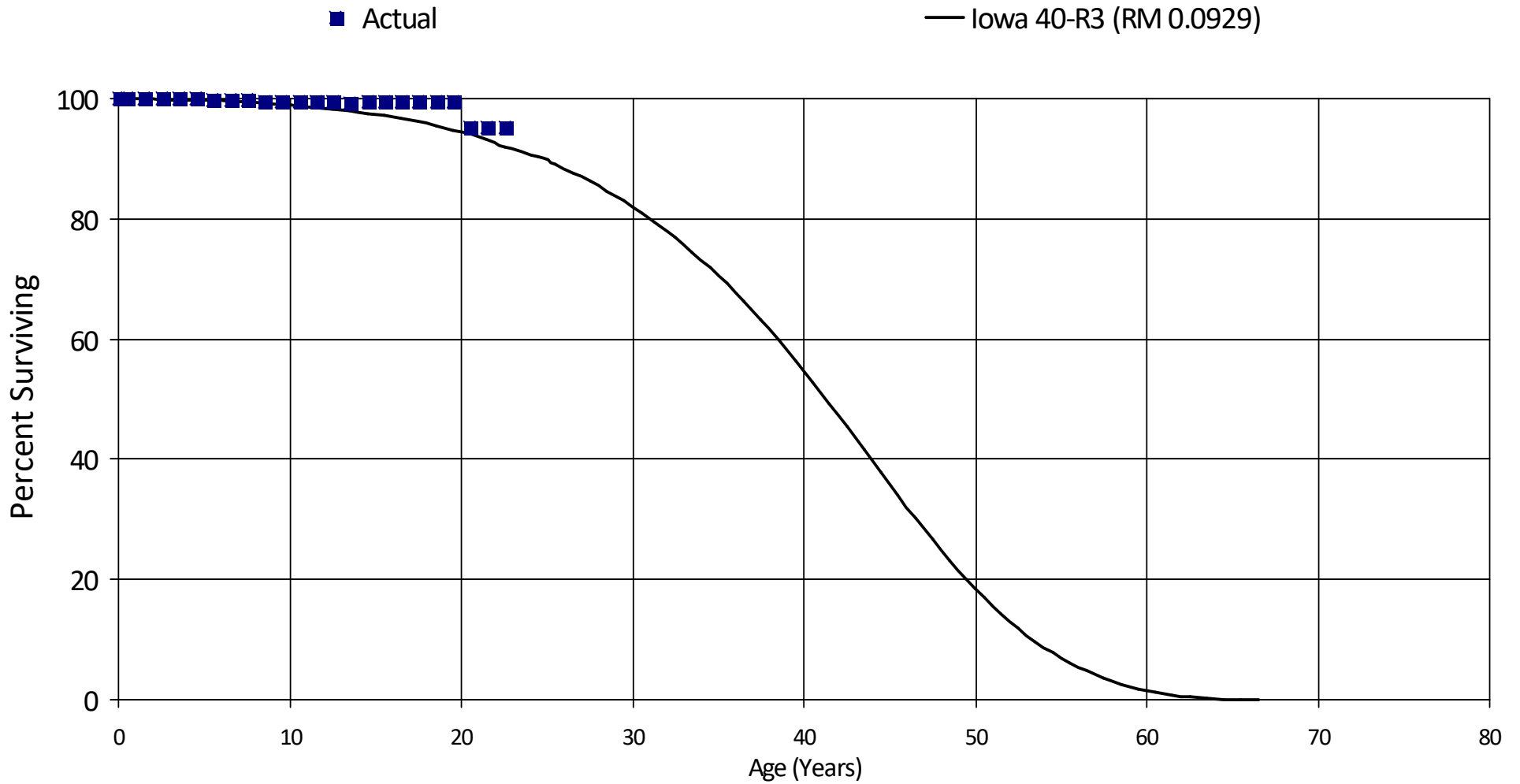
58.5	1,231,061	24,038	0.01953	0.98047	58.99
59.5	1,150,766	28,342	0.02463	0.97537	57.84
60.5	1,055,850	17,642	0.01671	0.98329	56.42
61.5	996,261	41,943	0.04210	0.95790	55.48
62.5	860,247	40,352	0.04691	0.95309	53.14
<b>Totals:</b>		7,274,360			

# American Water Works - Indiana

## Account 334.210 - Meter Installations - Other

Placement Band - 1999 - 2022 Experience Band - 2017 - 2022

### Actual and Smooth Survivor Curves





## American Water Works - Indiana

### Account 334.210 - Meter Installations - Other

Placement Band - 1999 - 2022    Experience Band - 2017 - 2022

### RETIREMENT RATE ANALYSIS

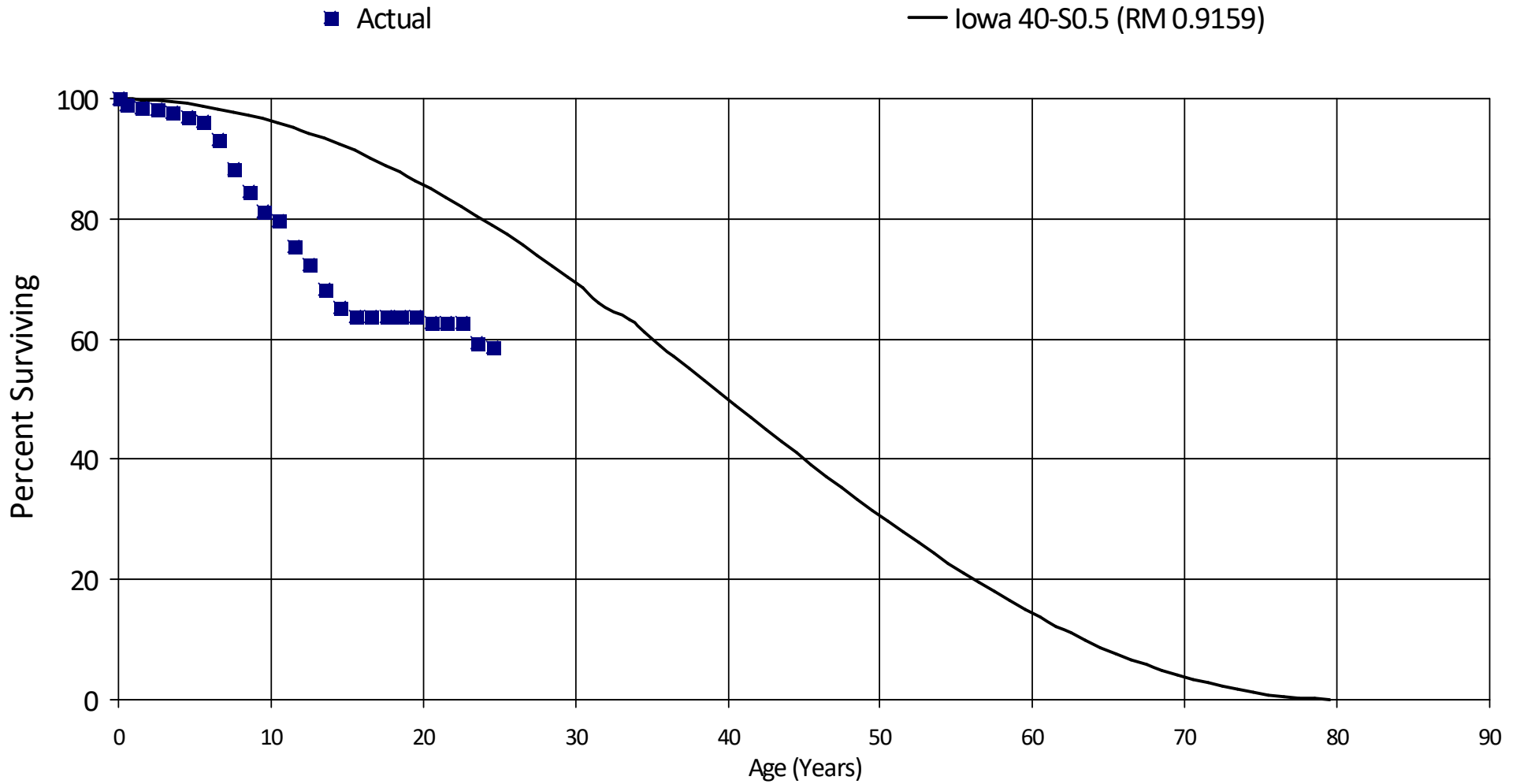
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	4,491,999	1,609	0.00036	0.99964	100.00
0.5	4,459,399	598	0.00013	0.99987	99.96
1.5	4,405,277	673	0.00015	0.99985	99.95
2.5	4,122,211	1,430	0.00035	0.99965	99.94
3.5	3,667,555	1,242	0.00034	0.99966	99.91
4.5	2,912,083	337	0.00012	0.99988	99.88
5.5	2,595,957	376	0.00014	0.99986	99.87
6.5	2,264,967	4,835	0.00213	0.99787	99.86
7.5	1,914,003	1,067	0.00056	0.99944	99.65
8.5	1,336,946	60	0.00004	0.99996	99.59
9.5	1,102,058	1,193	0.00108	0.99892	99.59
10.5	831,612	0	0.00000	1.00000	99.48
11.5	503,589	0	0.00000	1.00000	99.48
12.5	498,502	1,106	0.00222	0.99778	99.48
13.5	482,866	-764	-0.00158	1.00158	99.26
14.5	483,630	0	0.00000	1.00000	99.42
15.5	482,564	0	0.00000	1.00000	99.42
16.5	482,564	0	0.00000	1.00000	99.42
17.5	482,564	0	0.00000	1.00000	99.42
18.5	482,564	0	0.00000	1.00000	99.42
19.5	482,564	20,330	0.04213	0.95787	99.42
20.5	462,234	0	0.00000	1.00000	95.23
21.5	462,234	0	0.00000	1.00000	95.23
22.5	462,209	0	0.00000	1.00000	95.23
<b>Totals:</b>		34,092			

# American Water Works - Indiana

## Account 334.300 - Meter Vaults

Placement Band - 1990 - 2022 Experience Band - 2009 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 334.300 - Meter Vaults

Placement Band - 1990 - 2022 Experience Band - 2009 - 2022

### RETIREMENT RATE ANALYSIS

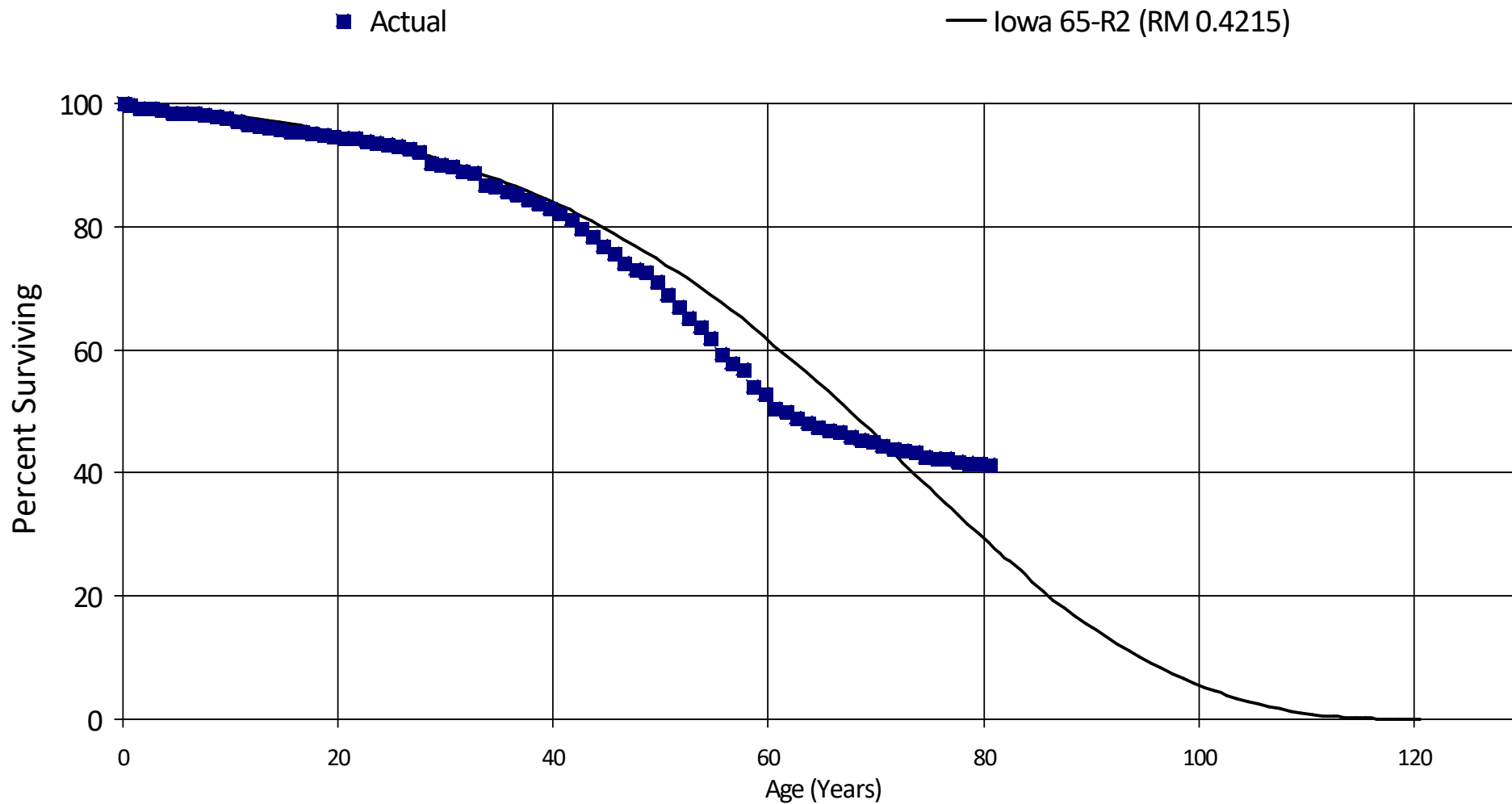
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	41,799,090	420,128	0.01005	0.98995	100.00
0.5	34,964,298	182,185	0.00521	0.99479	99.00
1.5	30,806,112	115,391	0.00375	0.99625	98.48
2.5	26,832,916	85,495	0.00319	0.99681	98.11
3.5	21,405,272	182,165	0.00851	0.99149	97.80
4.5	17,383,538	155,636	0.00895	0.99105	96.97
5.5	12,362,932	378,610	0.03062	0.96938	96.10
6.5	8,634,381	452,166	0.05237	0.94763	93.16
7.5	6,201,631	258,892	0.04175	0.95825	88.28
8.5	5,196,263	211,557	0.04071	0.95929	84.59
9.5	4,389,451	73,377	0.01672	0.98328	81.15
10.5	3,633,877	201,384	0.05542	0.94458	79.79
11.5	2,328,027	91,471	0.03929	0.96071	75.37
12.5	1,463,347	84,831	0.05797	0.94203	72.41
13.5	410,646	17,373	0.04231	0.95769	68.21
14.5	259,111	6,608	0.02550	0.97450	65.32
15.5	250,667	0	0.00000	1.00000	63.65
16.5	250,667	0	0.00000	1.00000	63.65
17.5	250,667	0	0.00000	1.00000	63.65
18.5	250,667	0	0.00000	1.00000	63.65
19.5	250,667	3,756	0.01498	0.98502	63.65
20.5	246,912	0	0.00000	1.00000	62.70
21.5	246,912	0	0.00000	1.00000	62.70
22.5	246,912	12,984	0.05259	0.94741	62.70
23.5	233,928	3,217	0.01375	0.98625	59.40
24.5	0	0	0.00000	0.00000	58.58
<b>Totals:</b>		2,937,226			

# American Water Works - Indiana

## Account 335.000 - Hydrants

Placement Band - 1885 - 2022 Experience Band - 1956 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 335.000 - Hydrants

Placement Band - 1885 - 2022 Experience Band - 1956 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	100,181,191	212,701	0.00212	0.99788	100.00
0.5	92,193,578	482,103	0.00523	0.99477	99.79
1.5	85,184,816	68,494	0.00080	0.99920	99.27
2.5	76,761,270	252,622	0.00329	0.99671	99.19
3.5	71,900,147	208,960	0.00291	0.99709	98.86
4.5	68,185,636	51,369	0.00075	0.99925	98.57
5.5	63,277,530	51,395	0.00081	0.99919	98.50
6.5	58,781,444	171,135	0.00291	0.99709	98.42
7.5	55,585,205	76,232	0.00137	0.99863	98.13
8.5	53,400,533	166,734	0.00312	0.99688	98.00
9.5	50,635,559	293,367	0.00579	0.99421	97.69
10.5	47,997,702	193,019	0.00402	0.99598	97.12
11.5	45,826,252	170,277	0.00372	0.99628	96.73
12.5	43,612,108	68,723	0.00158	0.99842	96.37
13.5	40,945,302	164,345	0.00401	0.99599	96.22
14.5	38,235,496	138,353	0.00362	0.99638	95.83
15.5	36,046,860	55,810	0.00155	0.99845	95.48
16.5	31,129,377	77,011	0.00247	0.99753	95.33
17.5	30,376,529	89,309	0.00294	0.99706	95.09
18.5	28,701,908	41,827	0.00146	0.99854	94.81
19.5	27,258,325	38,231	0.00140	0.99860	94.67
20.5	25,721,908	60,325	0.00235	0.99765	94.54
21.5	24,544,965	77,802	0.00317	0.99683	94.32
22.5	22,752,406	72,372	0.00318	0.99682	94.02
23.5	21,199,249	73,005	0.00344	0.99656	93.72
24.5	20,078,803	55,507	0.00276	0.99724	93.40
25.5	18,713,316	77,933	0.00416	0.99584	93.14
26.5	17,389,112	128,806	0.00741	0.99259	92.75

# American Water Works - Indiana

## Account 335.000 - Hydrants

Placement Band - 1885 - 2022    Experience Band - 1956 - 2022

27.5	16,312,426	279,780	0.01715	0.98285	92.06
28.5	15,327,575	51,724	0.00337	0.99663	90.48
29.5	14,305,495	72,014	0.00503	0.99497	90.18
30.5	13,641,636	95,759	0.00702	0.99298	89.73
31.5	12,962,829	41,441	0.00320	0.99680	89.10
32.5	11,926,398	259,137	0.02173	0.97827	88.81
33.5	11,073,805	41,255	0.00373	0.99627	86.88
34.5	10,404,391	104,433	0.01004	0.98996	86.56
35.5	9,765,407	57,137	0.00585	0.99415	85.69
36.5	9,087,181	70,027	0.00771	0.99229	85.19
37.5	8,515,007	83,321	0.00979	0.99021	84.53
38.5	7,989,373	76,823	0.00962	0.99038	83.70
39.5	7,528,141	53,934	0.00716	0.99284	82.89
40.5	6,864,588	84,487	0.01231	0.98769	82.30
41.5	6,336,953	124,594	0.01966	0.98034	81.29
42.5	5,827,388	85,342	0.01464	0.98536	79.69
43.5	5,374,714	110,106	0.02049	0.97951	78.52
44.5	4,928,882	79,420	0.01611	0.98389	76.91
45.5	4,188,330	90,577	0.02163	0.97837	75.67
46.5	3,888,144	43,427	0.01117	0.98883	74.03
47.5	3,471,555	34,192	0.00985	0.99015	73.20
48.5	3,104,878	63,618	0.02049	0.97951	72.48
49.5	2,782,154	73,022	0.02625	0.97375	70.99
50.5	2,490,142	75,486	0.03031	0.96969	69.13
51.5	2,308,485	60,539	0.02622	0.97378	67.03
52.5	2,161,441	55,974	0.02590	0.97410	65.27
53.5	1,967,114	54,289	0.02760	0.97240	63.58
54.5	1,714,265	69,123	0.04032	0.95968	61.83
55.5	1,560,092	38,541	0.02470	0.97530	59.34
56.5	1,405,130	26,914	0.01915	0.98085	57.87
57.5	1,302,939	61,151	0.04693	0.95307	56.76

# American Water Works - Indiana

## Account 335.000 - Hydrants

Placement Band - 1885 - 2022    Experience Band - 1956 - 2022

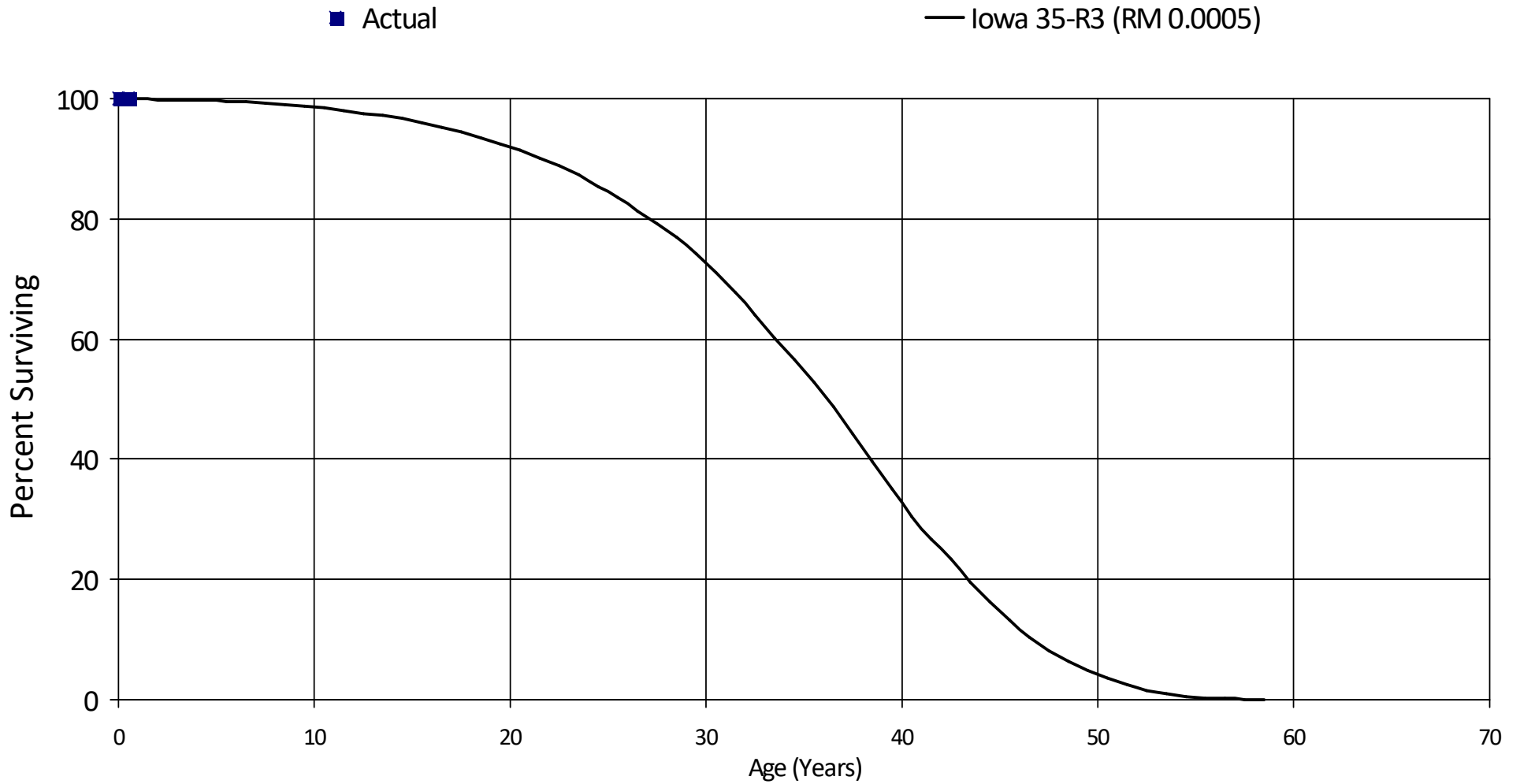
58.5	1,161,897	26,252	0.02259	0.97741	54.10
59.5	1,053,115	44,856	0.04259	0.95741	52.88
60.5	977,009	13,294	0.01361	0.98639	50.63
61.5	918,771	16,711	0.01819	0.98181	49.94
62.5	842,914	13,953	0.01655	0.98345	49.03
63.5	773,659	10,619	0.01373	0.98627	48.22
64.5	736,170	7,979	0.01084	0.98916	47.56
65.5	701,027	5,837	0.00833	0.99167	47.04
66.5	660,715	11,115	0.01682	0.98318	46.65
67.5	627,970	5,035	0.00802	0.99198	45.87
68.5	602,660	5,527	0.00917	0.99083	45.50
69.5	588,409	10,084	0.01714	0.98286	45.08
70.5	549,902	5,217	0.00949	0.99051	44.31
71.5	535,367	1,847	0.00345	0.99655	43.89
72.5	513,860	4,466	0.00869	0.99131	43.74
73.5	498,640	8,096	0.01624	0.98376	43.36
74.5	467,022	2,428	0.00520	0.99480	42.66
75.5	460,222	1,260	0.00274	0.99726	42.44
76.5	457,589	3,492	0.00763	0.99237	42.32
77.5	447,407	2,956	0.00661	0.99339	42.00
78.5	444,344	1,724	0.00388	0.99612	41.72
79.5	435,612	848	0.00195	0.99805	41.56
80.5	434,307	951	0.00219	0.99781	41.48
<b>Totals:</b>		<b>6,339,901</b>			

# American Water Works - Indiana

## Account 336.000 - Backflow Prevention Devices

Placement Band - 2021 - 2022 Experience Band - 2022 - 2022

### Actual and Smooth Survivor Curves





# American Water Works - Indiana

## Account 336.000 - Backflow Prevention Devices

Placement Band - 2021 - 2022    Experience Band - 2022 - 2022

### RETIREMENT RATE ANALYSIS

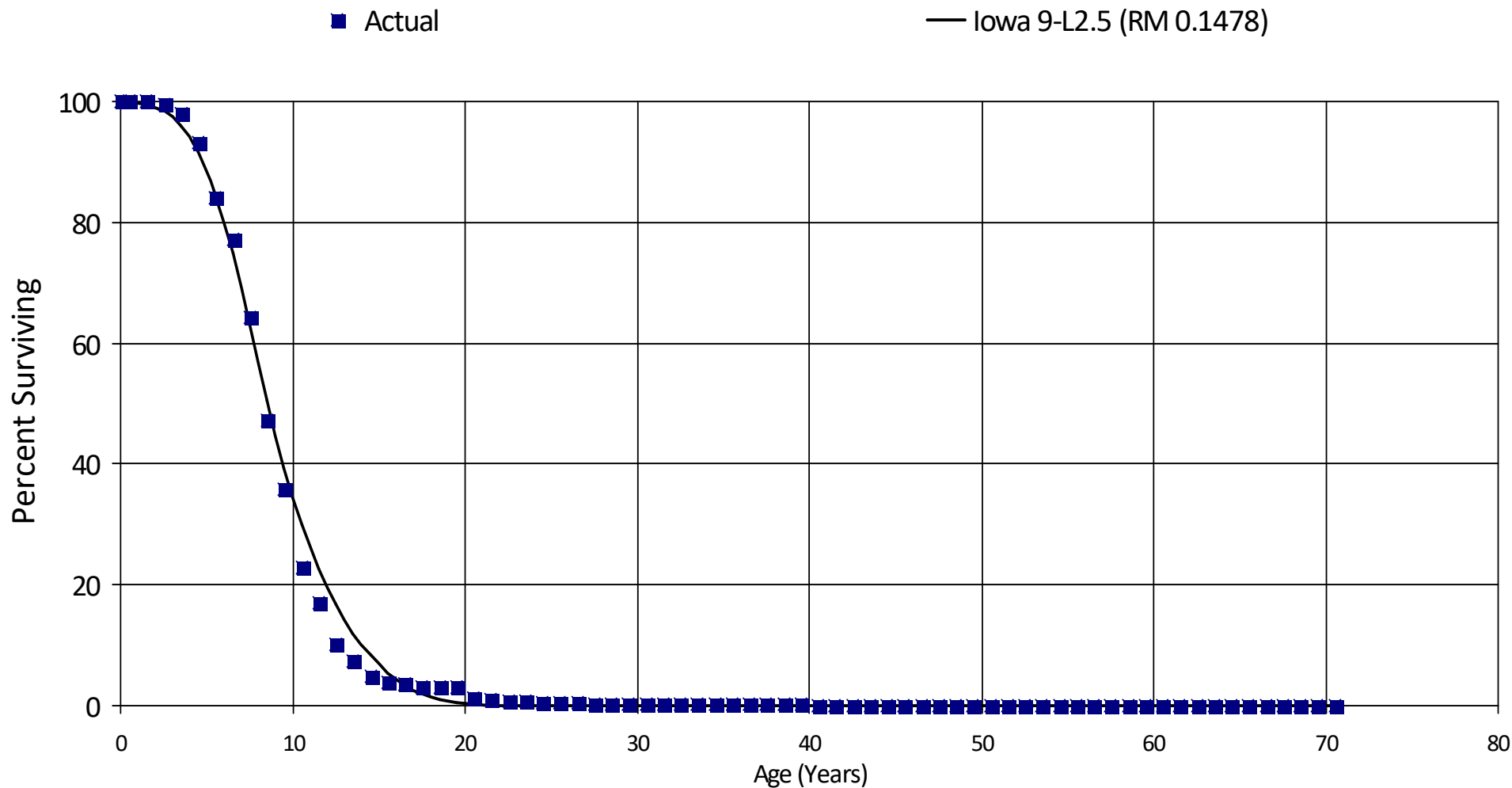
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	14,415	0	0.00000	1.00000	100.00
0.5	14,415	0	0.00000	1.00000	100.00
	Totals:	0			

# American Water Works - Indiana

## Account 341.100 - Transportation Equipment - Light Duty Trucks

Placement Band - 1948 - 2022 Experience Band - 1958 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 341.100 - Transportation Equipment - Light Duty Trucks

Placement Band - 1948 - 2022    Experience Band - 1958 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	15,280,332	0	0.00000	1.00000	100.00
0.5	12,372,630	8,735	0.00071	0.99929	100.00
1.5	10,625,231	58,218	0.00548	0.99452	99.93
2.5	9,785,223	137,829	0.01409	0.98591	99.38
3.5	7,235,584	349,623	0.04832	0.95168	97.98
4.5	6,734,475	672,907	0.09992	0.90008	93.25
5.5	5,762,725	463,396	0.08041	0.91959	83.93
6.5	4,951,203	829,535	0.16754	0.83246	77.18
7.5	3,820,624	1,011,328	0.26470	0.73530	64.25
8.5	2,558,084	624,891	0.24428	0.75572	47.24
9.5	1,779,645	640,111	0.35968	0.64032	35.70
10.5	1,091,019	285,600	0.26177	0.73823	22.86
11.5	805,419	318,257	0.39514	0.60486	16.88
12.5	447,318	130,100	0.29084	0.70916	10.21
13.5	317,218	101,159	0.31889	0.68111	7.24
14.5	216,058	48,952	0.22657	0.77343	4.93
15.5	167,106	15,731	0.09414	0.90586	3.81
16.5	151,375	17,058	0.11269	0.88731	3.45
17.5	134,317	221	0.00165	0.99835	3.06
18.5	134,096	486	0.00362	0.99638	3.05
19.5	133,611	79,763	0.59698	0.40302	3.04
20.5	53,848	11,172	0.20747	0.79253	1.23
21.5	42,676	12,050	0.28236	0.71764	0.97
22.5	30,626	0	0.00000	1.00000	0.70
23.5	30,626	7,918	0.25854	0.74146	0.70
24.5	22,707	463	0.02039	0.97961	0.52
25.5	22,245	0	0.00000	1.00000	0.51
26.5	22,245	7,295	0.32794	0.67206	0.51

## American Water Works - Indiana

### Account 341.100 - Transportation Equipment - Light Duty Trucks

Placement Band - 1948 - 2022    Experience Band - 1958 - 2022

27.5	14,950	0	0.00000	1.00000	0.34
28.5	14,950	0	0.00000	1.00000	0.34
29.5	14,950	0	0.00000	1.00000	0.34
30.5	14,950	0	0.00000	1.00000	0.34
31.5	14,950	0	0.00000	1.00000	0.34
32.5	14,950	409	0.02736	0.97264	0.34
33.5	14,541	5,000	0.34386	0.65614	0.33
34.5	9,541	22	0.00231	0.99769	0.22
35.5	9,519	0	0.00000	1.00000	0.22
36.5	9,519	3,617	0.37998	0.62002	0.22
37.5	5,902	70	0.01186	0.98814	0.14
38.5	5,832	346	0.05933	0.94067	0.14
39.5	5,486	2,567	0.46794	0.53206	0.13
40.5	2,919	0	0.00000	1.00000	0.07
41.5	2,919	0	0.00000	1.00000	0.07
42.5	2,919	2,737	0.93773	0.06227	0.07
43.5	181	0	0.00000	1.00000	0.00
44.5	181	0	0.00000	1.00000	0.00
45.5	181	0	0.00000	1.00000	0.00
46.5	181	0	0.00000	1.00000	0.00
47.5	181	0	0.00000	1.00000	0.00
48.5	181	0	0.00000	1.00000	0.00
49.5	181	62	0.34177	0.65823	0.00
50.5	119	0	0.00000	1.00000	0.00
51.5	119	90	0.75675	0.24325	0.00
52.5	29	0	0.00000	1.00000	0.00
53.5	29	0	0.00000	1.00000	0.00
54.5	29	0	0.00000	1.00000	0.00
55.5	29	0	0.00000	1.00000	0.00
56.5	29	0	0.00000	1.00000	0.00
57.5	29	0	0.00000	1.00000	0.00

## American Water Works - Indiana

### Account 341.100 - Transportation Equipment - Light Duty Trucks

Placement Band - 1948 - 2022    Experience Band - 1958 - 2022

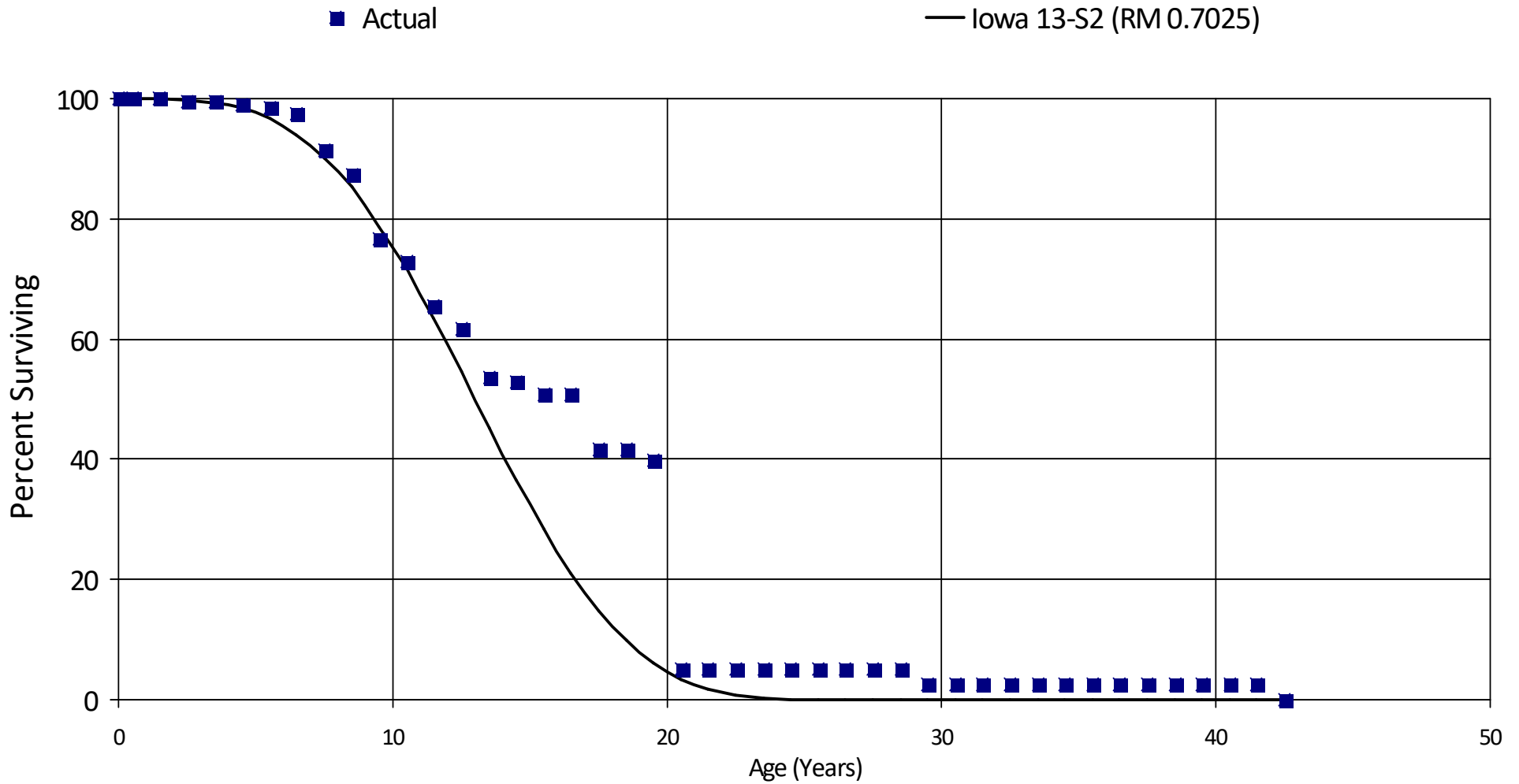
58.5	29	0	0.00000	1.00000	0.00
59.5	29	0	0.00000	1.00000	0.00
60.5	29	0	0.00000	1.00000	0.00
61.5	29	0	0.00000	1.00000	0.00
62.5	29	0	0.00000	1.00000	0.00
63.5	29	0	0.00000	1.00000	0.00
64.5	29	18	0.62219	0.37781	0.00
65.5	11	0	0.00000	1.00000	0.00
66.5	11	0	0.00000	1.00000	0.00
67.5	11	0	0.00000	1.00000	0.00
68.5	11	0	0.00000	1.00000	0.00
69.5	11	11	0.98921	0.01079	0.00
70.5	0	0	0.00000	0.00000	0.00
<b>Totals:</b>		<b>5,847,747</b>			

# American Water Works - Indiana

## Account 341.200 - Transportation Equipment - Heavy Duty Trucks

Placement Band - 1948 - 2022    Experience Band - 1963 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 341.200 - Transportation Equipment - Heavy Duty Trucks

Placement Band - 1948 - 2022 Experience Band - 1963 - 2022

#### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	9,296,482	663	0.00007	0.99993	100.00
0.5	9,295,819	0	0.00000	1.00000	99.99
1.5	9,177,422	46,460	0.00506	0.99494	99.99
2.5	6,606,819	1,546	0.00023	0.99977	99.48
3.5	6,605,273	32,966	0.00499	0.99501	99.46
4.5	6,227,203	26,533	0.00426	0.99574	98.96
5.5	4,402,147	50,349	0.01144	0.98856	98.54
6.5	2,661,315	168,085	0.06316	0.93684	97.41
7.5	2,294,117	99,726	0.04347	0.95653	91.26
8.5	2,194,391	264,785	0.12066	0.87934	87.29
9.5	1,686,555	86,503	0.05129	0.94871	76.76
10.5	1,190,836	119,789	0.10059	0.89941	72.82
11.5	1,071,047	62,527	0.05838	0.94162	65.50
12.5	391,628	51,219	0.13078	0.86922	61.68
13.5	340,408	4,517	0.01327	0.98673	53.61
14.5	149,376	5,822	0.03898	0.96102	52.90
15.5	138,246	0	0.00000	1.00000	50.84
16.5	138,246	25,151	0.18193	0.81807	50.84
17.5	113,095	0	0.00000	1.00000	41.59
18.5	113,095	5,000	0.04421	0.95579	41.59
19.5	108,095	94,336	0.87271	0.12729	39.75
20.5	13,759	0	0.00000	1.00000	5.06
21.5	3,474	0	0.00000	1.00000	5.06
22.5	3,474	0	0.00000	1.00000	5.06
23.5	3,474	0	0.00000	1.00000	5.06
24.5	3,474	0	0.00000	1.00000	5.06
25.5	3,474	0	0.00000	1.00000	5.06
26.5	3,474	0	0.00000	1.00000	5.06

## American Water Works - Indiana

### Account 341.200 - Transportation Equipment - Heavy Duty Trucks

Placement Band - 1948 - 2022    Experience Band - 1963 - 2022

27.5	3,474	0	0.00000	1.00000	5.06
28.5	3,474	1,737	0.49998	0.50002	5.06
29.5	1,737	0	0.00000	1.00000	2.53
30.5	1,737	0	0.00000	1.00000	2.53
31.5	1,737	0	0.00000	1.00000	2.53
32.5	1,737	0	0.00000	1.00000	2.53
33.5	1,737	0	0.00000	1.00000	2.53
34.5	1,737	0	0.00000	1.00000	2.53
35.5	1,737	0	0.00000	1.00000	2.53
36.5	1,737	0	0.00000	1.00000	2.53
37.5	1,737	0	0.00000	1.00000	2.53
38.5	1,737	0	0.00000	1.00000	2.53
39.5	1,737	0	0.00000	1.00000	2.53
40.5	1,737	0	0.00000	1.00000	2.53
41.5	1,737	1,737	0.99995	0.00005	2.53
42.5	0	0	0.00000	0.00000	0.00
Totals:		1,149,451			

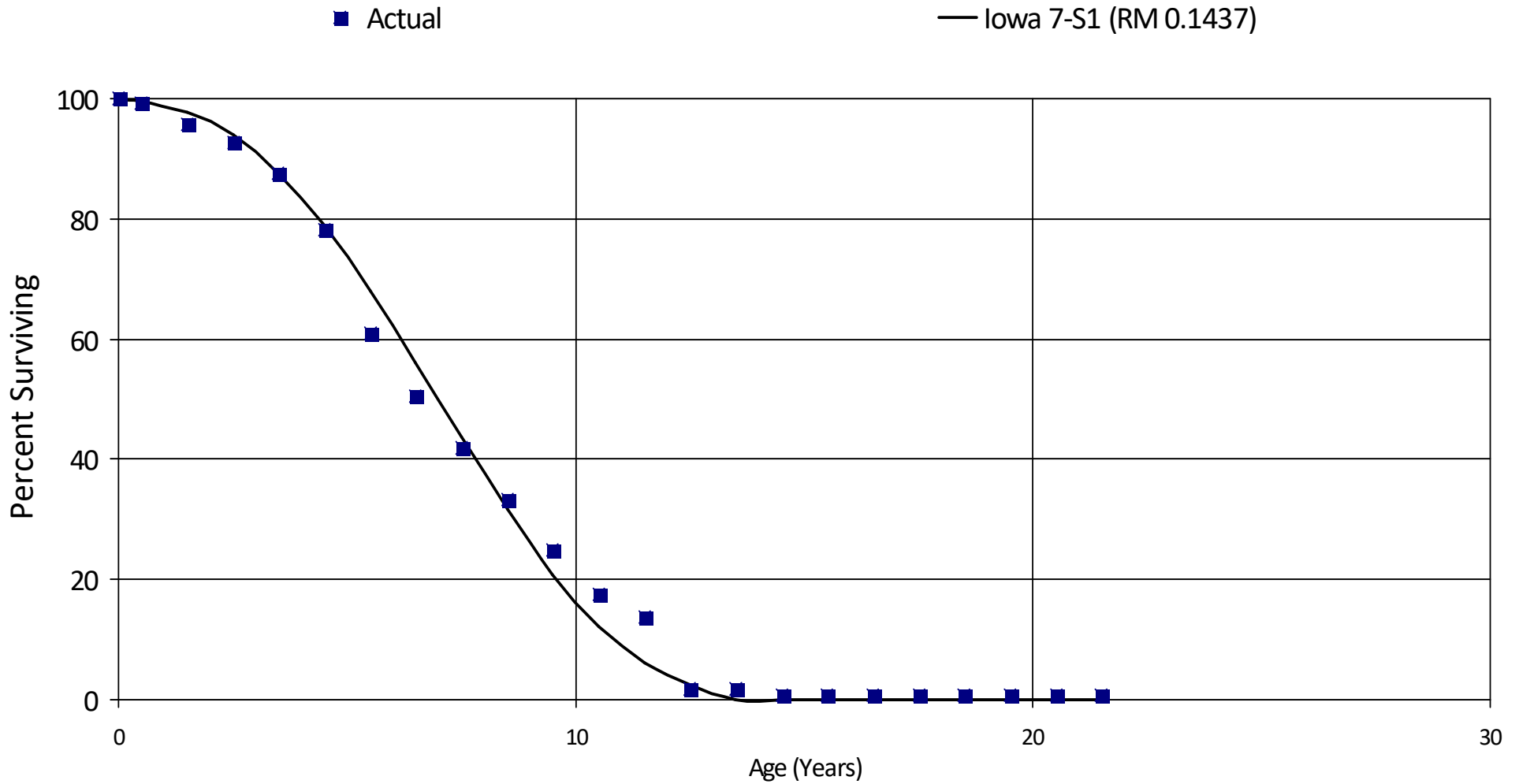


# American Water Works - Indiana

Account 341.300 - Transportation Equipment - Autos

Placement Band - 1955 - 2022 Experience Band - 1958 - 2022

## Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 341.300 - Transportation Equipment - Autos

Placement Band - 1955 - 2022 Experience Band - 1958 - 2022

### RETIREMENT RATE ANALYSIS

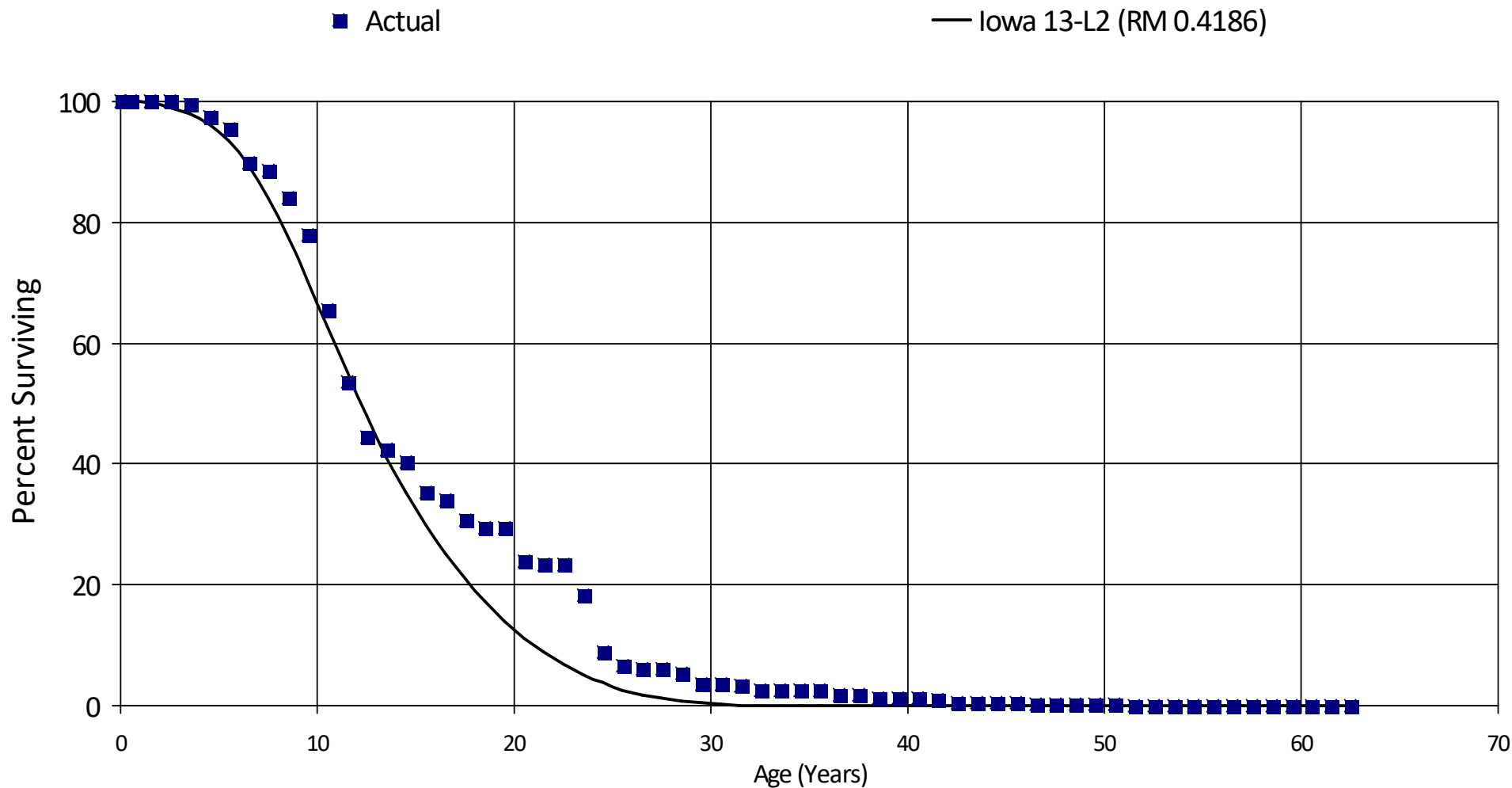
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	3,824,507	27,790	0.00727	0.99273	100.00
0.5	3,796,717	139,277	0.03668	0.96332	99.27
1.5	3,608,342	116,281	0.03223	0.96777	95.63
2.5	3,162,929	169,797	0.05368	0.94632	92.55
3.5	2,993,132	321,484	0.10741	0.89259	87.58
4.5	2,671,647	592,375	0.22173	0.77827	78.17
5.5	2,032,539	346,967	0.17071	0.82929	60.84
6.5	1,595,408	270,779	0.16972	0.83028	50.45
7.5	890,854	182,077	0.20438	0.79562	41.89
8.5	532,976	136,219	0.25558	0.74442	33.33
9.5	301,246	87,186	0.28942	0.71058	24.81
10.5	214,060	46,170	0.21569	0.78431	17.63
11.5	167,890	145,539	0.86687	0.13313	13.83
12.5	22,352	0	0.00000	1.00000	1.84
13.5	22,352	12,572	0.56246	0.43754	1.84
14.5	9,780	0	0.00000	1.00000	0.81
15.5	9,780	0	0.00000	1.00000	0.81
16.5	9,780	0	0.00000	1.00000	0.81
17.5	9,780	0	0.00000	1.00000	0.81
18.5	9,780	0	0.00000	1.00000	0.81
19.5	9,780	0	0.00000	1.00000	0.81
20.5	9,780	619	0.06329	0.93671	0.81
21.5	0	0	0.00000	0.00000	0.76
<b>Totals:</b>		2,595,132			

# American Water Works - Indiana

## Account 341.400 - Transportation Equipment - Other

Placement Band - 1948 - 2022    Experience Band - 1978 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 341.400 - Transportation Equipment - Other

Placement Band - 1948 - 2022 Experience Band - 1978 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	4,890,407	1,522	0.00031	0.99969	100.00
0.5	4,888,885	0	0.00000	1.00000	99.97
1.5	4,139,024	2,875	0.00069	0.99931	99.97
2.5	3,710,932	14,981	0.00404	0.99596	99.90
3.5	3,671,060	76,844	0.02093	0.97907	99.50
4.5	3,345,558	70,212	0.02099	0.97901	97.42
5.5	3,006,775	173,292	0.05763	0.94237	95.38
6.5	2,665,456	41,610	0.01561	0.98439	89.88
7.5	2,588,529	128,360	0.04959	0.95041	88.48
8.5	2,430,339	176,276	0.07253	0.92747	84.09
9.5	2,230,691	354,341	0.15885	0.84115	77.99
10.5	1,876,349	348,230	0.18559	0.81441	65.60
11.5	1,493,205	249,736	0.16725	0.83275	53.43
12.5	1,243,468	59,748	0.04805	0.95195	44.49
13.5	1,183,721	53,439	0.04514	0.95486	42.35
14.5	952,082	120,856	0.12694	0.87306	40.44
15.5	564,880	20,346	0.03602	0.96398	35.31
16.5	544,533	53,161	0.09763	0.90237	34.04
17.5	491,372	22,056	0.04489	0.95511	30.72
18.5	469,316	155	0.00033	0.99967	29.34
19.5	469,161	89,181	0.19009	0.80991	29.33
20.5	370,181	5,205	0.01406	0.98594	23.75
21.5	357,378	1,119	0.00313	0.99687	23.42
22.5	356,260	78,602	0.22063	0.77937	23.35
23.5	277,625	143,293	0.51614	0.48386	18.20
24.5	134,332	35,031	0.26078	0.73922	8.81
25.5	83,481	4,727	0.05662	0.94338	6.51
26.5	78,754	418	0.00531	0.99469	6.14

## American Water Works - Indiana

### Account 341.400 - Transportation Equipment - Other

Placement Band - 1948 - 2022    Experience Band - 1978 - 2022

27.5	78,336	11,527	0.14715	0.85285	6.11
28.5	66,808	20,040	0.29996	0.70004	5.21
29.5	46,768	1,255	0.02683	0.97317	3.65
30.5	45,513	3,698	0.08125	0.91875	3.55
31.5	41,815	8,754	0.20935	0.79065	3.26
32.5	33,061	0	0.00000	1.00000	2.58
33.5	33,061	1,824	0.05517	0.94483	2.58
34.5	23,264	0	0.00000	1.00000	2.44
35.5	23,264	6,726	0.28912	0.71088	2.44
36.5	16,537	0	0.00000	1.00000	1.73
37.5	16,537	3,836	0.23196	0.76804	1.73
38.5	12,701	92	0.00724	0.99276	1.33
39.5	12,608	125	0.00991	0.99009	1.32
40.5	12,483	3,971	0.31810	0.68190	1.31
41.5	8,512	3,002	0.35267	0.64733	0.89
42.5	5,510	0	0.00000	1.00000	0.58
43.5	5,510	296	0.05372	0.94628	0.58
44.5	5,214	829	0.15899	0.84101	0.55
45.5	4,385	1,282	0.29233	0.70767	0.46
46.5	3,104	0	0.00000	1.00000	0.33
47.5	3,104	0	0.00000	1.00000	0.33
48.5	3,104	0	0.00000	1.00000	0.33
49.5	3,104	92	0.02964	0.97036	0.33
50.5	3,011	2,544	0.84482	0.15518	0.32
51.5	468	0	0.00000	1.00000	0.05
52.5	468	0	0.00000	1.00000	0.05
53.5	468	0	0.00000	1.00000	0.05
54.5	468	0	0.00000	1.00000	0.05
55.5	468	0	0.00000	1.00000	0.05
56.5	468	0	0.00000	1.00000	0.05
57.5	468	0	0.00000	1.00000	0.05

## American Water Works - Indiana

### Account 341.400 - Transportation Equipment - Other

Placement Band - 1948 - 2022    Experience Band - 1978 - 2022

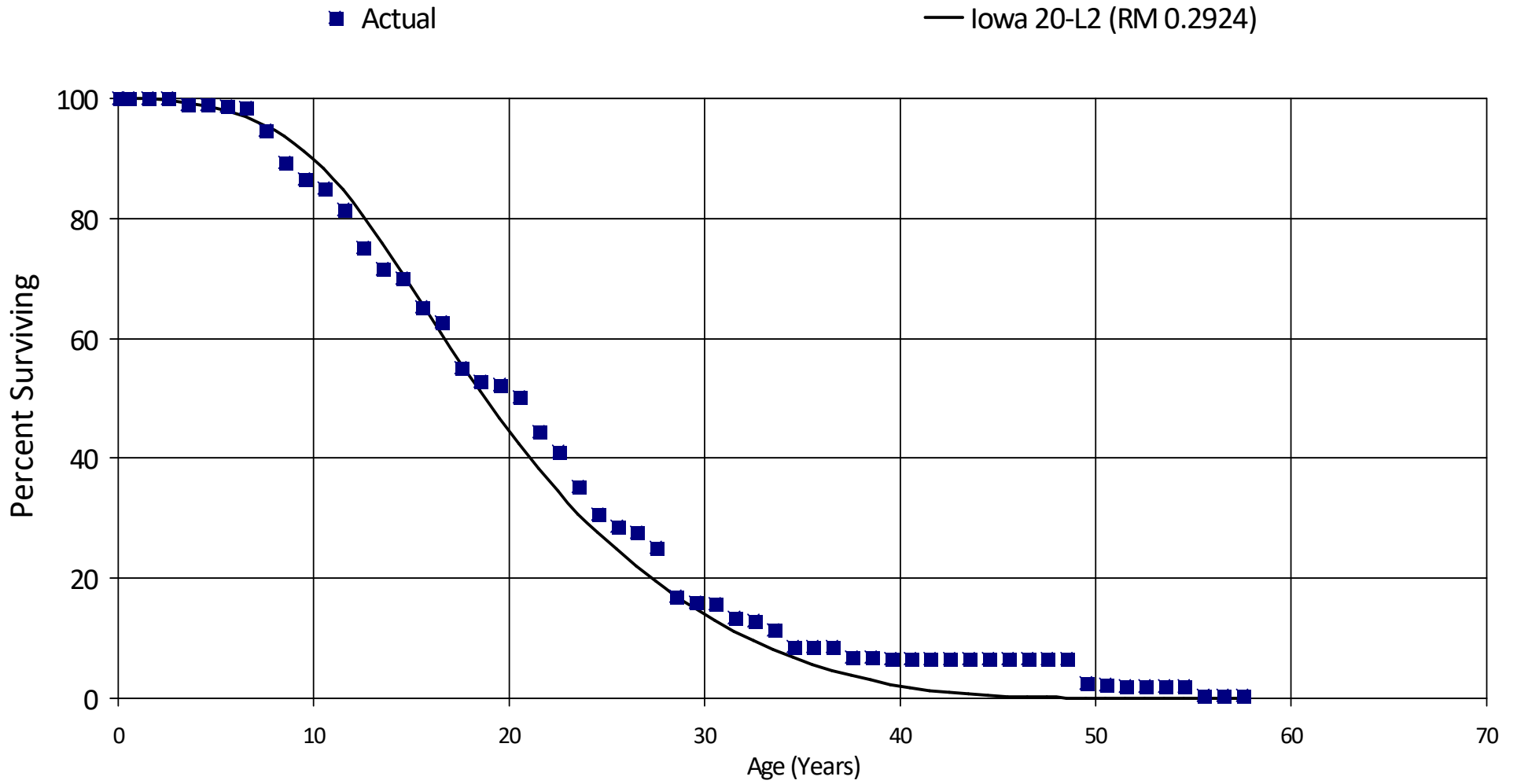
58.5	468	220	0.47052	0.52948	0.05
59.5	248	0	0.00000	1.00000	0.03
60.5	248	0	0.00000	1.00000	0.03
61.5	248	248	1.00174	-0.00174	0.03
62.5	0	0	0.00000	0.00000	0.00
<b>Totals:</b>		2,395,977			

# American Water Works - Indiana

## Account 345.000 - Power Operated Equipment

Placement Band - 1953 - 2022 Experience Band - 1972 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 345.000 - Power Operated Equipment

Placement Band - 1953 - 2022    Experience Band - 1972 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	4,873,786	0	0.00000	1.00000	100.00
0.5	4,513,501	3,295	0.00073	0.99927	100.00
1.5	4,211,133	800	0.00019	0.99981	99.93
2.5	3,715,507	36,234	0.00975	0.99025	99.91
3.5	3,524,026	1,358	0.00039	0.99961	98.94
4.5	3,445,027	7,677	0.00223	0.99777	98.90
5.5	3,268,669	6,912	0.00211	0.99789	98.68
6.5	3,210,927	120,931	0.03766	0.96234	98.47
7.5	3,053,617	177,005	0.05797	0.94203	94.76
8.5	2,867,818	87,552	0.03053	0.96947	89.27
9.5	2,600,961	43,331	0.01666	0.98334	86.54
10.5	2,545,768	111,314	0.04373	0.95627	85.10
11.5	2,311,870	180,294	0.07799	0.92201	81.38
12.5	2,032,927	93,439	0.04596	0.95404	75.03
13.5	1,893,104	42,032	0.02220	0.97780	71.58
14.5	1,842,278	126,991	0.06893	0.93107	69.99
15.5	1,654,655	60,843	0.03677	0.96323	65.17
16.5	1,506,637	183,537	0.12182	0.87818	62.77
17.5	1,270,384	55,529	0.04371	0.95629	55.12
18.5	1,196,984	11,903	0.00994	0.99006	52.71
19.5	1,185,081	42,563	0.03592	0.96408	52.19
20.5	1,142,518	131,526	0.11512	0.88488	50.32
21.5	1,006,083	79,926	0.07944	0.92056	44.53
22.5	895,742	124,704	0.13922	0.86078	40.99
23.5	707,829	93,668	0.13233	0.86767	35.28
24.5	588,942	38,430	0.06525	0.93475	30.61
25.5	503,522	17,181	0.03412	0.96588	28.61
26.5	486,341	45,118	0.09277	0.90723	27.63



## American Water Works - Indiana

### Account 345.000 - Power Operated Equipment

Placement Band - 1953 - 2022    Experience Band - 1972 - 2022

27.5	427,857	139,649	0.32639	0.67361	25.07
28.5	288,208	15,969	0.05541	0.94459	16.89
29.5	270,906	3,262	0.01204	0.98796	15.95
30.5	229,419	32,218	0.14043	0.85957	15.76
31.5	178,626	6,913	0.03870	0.96130	13.55
32.5	168,208	20,560	0.12223	0.87777	13.03
33.5	142,913	34,728	0.24300	0.75700	11.44
34.5	99,716	1,269	0.01273	0.98727	8.66
35.5	98,447	78	0.00079	0.99921	8.55
36.5	98,369	20,690	0.21033	0.78967	8.54
37.5	77,679	0	0.00000	1.00000	6.74
38.5	35,231	195	0.00553	0.99447	6.74
39.5	35,036	0	0.00000	1.00000	6.70
40.5	35,036	0	0.00000	1.00000	6.70
41.5	35,036	400	0.01142	0.98858	6.70
42.5	34,636	29	0.00084	0.99916	6.62
43.5	34,043	0	0.00000	1.00000	6.61
44.5	34,043	0	0.00000	1.00000	6.61
45.5	34,043	0	0.00000	1.00000	6.61
46.5	34,043	0	0.00000	1.00000	6.61
47.5	32,430	528	0.01628	0.98372	6.61
48.5	31,903	19,816	0.62114	0.37886	6.50
49.5	12,087	1,172	0.09697	0.90303	2.46
50.5	10,915	1,084	0.09931	0.90069	2.22
51.5	9,831	0	0.00000	1.00000	2.00
52.5	314	0	0.00000	1.00000	2.00
53.5	314	0	0.00000	1.00000	2.00
54.5	314	252	0.80165	0.19835	2.00
55.5	62	0	0.00000	1.00000	0.40
56.5	62	0	0.00000	1.00000	0.40
57.5	0	0	0.00000	0.00000	0.40

# American Water Works - Indiana

## Account 345.000 - Power Operated Equipment

Placement Band - 1953 - 2022 Experience Band - 1972 - 2022

Totals:



SECTION 7

**7 NET SALVAGE STUDY**

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**Indiana American Water Company**  
**ACCOUNTS 304.1 THROUGH 304.5 - STRUCTURES AND IMPROVEMENTS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1975	2,850	3,500	123	0	0	(3,500)	-123					-3,500	-123
1976	20,573	310	2	(50)	(0)	(260)	-1					-1,880	-16
1977	1,454	3,779	260	0	0	(3,779)	-260	-2,513	-30			-2,513	-30
1978	18,955	5,000	26	0	0	(5,000)	-26	-3,013	-22			-3,135	-29
1979	8,529	50	1	0	0	(50)	-1	-2,943	-31	-2,518	-24	-2,518	-24
1980	60	5,699	9,498	0	0	(5,699)	-9,498	-3,583	-39	-2,958	-30	-3,048	-35
1981	47		0	(33)	(70)	33	70	-1,905	-66	-2,899	-50	-2,608	-35
1982	16,841	2,096	12	0	0	(2,096)	-12	-2,587	-46	-2,562	-29	-2,544	-29
1983	73,154	1,282	2	0	0	(1,282)	-2	-1,115	-4	-1,819	-9	-2,404	-15
1984	4,814	9,812	204	0	0	(9,812)	-204	-4,397	-14	-3,771	-20	-3,145	-21
1985	14,182	943	7	0	0	(943)	-7	-4,012	-13	-2,820	-13	-2,944	-20
1986	32,811	6,285	19	0	0	(6,285)	-19	-5,680	-33	-4,084	-14	-3,223	-20
1987	3,405	13,477	396	0	0	(13,477)	-396	-6,902	-41	-6,360	-25	-4,012	-26
1988	36,061	2,601	7	0	0	(2,601)	-7	-7,454	-31	-6,624	-36	-3,911	-23
1989	30,911	23,439	76	(3,788)	(12)	(19,651)	-64	-11,910	-51	-8,591	-37	-4,960	-28
1990	27,523	2,927	11	0	0	(2,927)	-11	-8,393	-27	-8,988	-34	-4,833	-26
1991	185,522	6,539	4	0	0	(6,539)	-4	-9,706	-12	-9,039	-16	-4,933	-18
1992	44,193	10,223	23	0	0	(10,223)	-23	-6,563	-8	-8,388	-13	-5,227	-18
1993	3,826	239	6	0	0	(239)	-6	-5,667	-7	-7,916	-14	-4,965	-18
1994	112,060	106,772	95	0	0	(106,772)	-95	-39,078	-73	-25,340	-34	-10,055	-32
1995	6,518	1,000	15	0	0	(1,000)	-15	-36,004	-88	-24,955	-35	-9,624	-31
1996	20,601	3,109	15	(1,841)	(9)	(1,268)	-6	-36,347	-78	-23,900	-64	-9,244	-31
1997	159,611	53,197	33	(53,800)	(34)	603	0	-555	-1	-21,735	-36	-8,816	-25
1998	116,515	4,897	4	0	0	(4,897)	-4	-1,854	-2	-22,667	-27	-8,653	-22
1999	761,985	292,212	38	(25)	(0)	(292,187)	-38	-98,827	-29	-59,750	-28	-19,994	-29
2000	239,737	47,213	20	0	0	(47,213)	-20	-114,766	-31	-68,992	-27	-21,041	-28
2001	106,010	82,326	78	0	0	(82,326)	-78	-140,575	-38	-85,204	-31	-23,311	-31
2002	421,428	33,570	8	0	0	(33,570)	-8	-54,370	-21	-92,039	-28	-23,677	-27
2003	205,391	34,739	17	0	0	(34,739)	-17	-50,212	-21	-98,007	-28	-24,059	-26
2004	27,677	82,628	299	0	0	(82,628)	-299	-50,312	-23	-56,095	-28	-26,011	-29
2005	33,405	4,901	15	0	0	(4,901)	-15	-40,756	-46	-47,633	-30	-25,330	-29
2006	246,070	538,989	219	0	0	(538,989)	-219	-208,839	-204	-138,965	-74	-41,382	-44
2007	79,590	9,223	12	0	0	(9,223)	-12	-184,371	-154	-134,096	-113	-40,407	-44
2008	205,245	20,956	10	(126,910)	(62)	105,954	52	-147,419	-83	-105,957	-89	-36,103	-38
2009	268,607	58,678	22	(439)	(0)	(58,239)	-22	12,831	7	-101,080	-61	-36,735	-36
2010	1,054,351	251,398	24	(508)	(0)	(250,890)	-24	-67,725	-13	-150,277	-41	-42,684	-33
2011	475,989	340,955	72	0	0	(340,955)	-72	-216,695	-36	-110,671	-27	-50,745	-37
2012	145,727	151,823	104	0	0	(151,823)	-104	-247,889	-44	-139,191	-32	-53,405	-39
2013	448,834	167,947	37	0	0	(167,947)	-37	-220,242	-62	-193,971	-41	-56,342	-39
2014	1,098,063	299,370	27	(4,626)	(0)	(294,744)	-27	-204,838	-36	-241,272	-37	-62,302	-37
2015	248,576	436,521	176	(1,582)	(1)	(434,939)	-175	-299,210	-50	-278,082	-58	-71,391	-42

**Indiana American Water Company**  
**ACCOUNTS 304.1 THROUGH 304.5 - STRUCTURES AND IMPROVEMENTS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2016	1,551,064	86,965	6	0	0	(86,965)	-6	-272,216	-28	-227,284	-33	-71,762	-35
2017	395,603	187,043	47	(10,830)	(3)	(176,213)	-45	-232,706	-32	-232,162	-31	-74,191	-36
2018	1,104,806	787,151	71	0	0	(787,151)	-71	-350,110	-34	-356,002	-40	-90,394	-40
2019	2,216,848	1,856,312	84	(400)	(0)	(1,855,912)	-84	-939,759	-76	-668,236	-61	-129,628	-48
2020	3,762,732	1,179,564	31	(20,980)	(1)	(1,158,584)	-31	-1,267,216	-54	-812,965	-45	-151,997	-44
2021	511,113	873,240	171	(500)	(0)	(872,740)	-171	-1,295,746	-60	-970,120	-61	-167,332	-48
2022	2,611,698	763,077	29	(2,167)	(0)	(760,910)	-29	-930,745	-41	-1,087,060	-53	-179,698	-45
<b>TOTAL</b>	<b>19,161,565</b>	<b>8,853,978</b>	<b>46.21</b>	<b>-228,479</b>	<b>(1.19)</b>	<b>-8,625,499</b>	<b>(45.01)</b>						

**Indiana American Water Company**  
**ACCOUNT 304.6 - OFFICE BUILDINGS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1978		71	0	0	0	(71)	0					-71	
1979			0	0	0	0	0					-71	
1980			0	0	0	0	0	-24	0			-71	
1981		1,042	0	0	0	(1,042)	0	-347	0			-557	
1982	13,520	(310)	(2)	0	0	310	2	-244	-5	-161	-6	-268	-6
1983	9,100		0	0	0	0	0	-244	-3	-146	-3	-268	-4
1984	10,000	1,311	13	0	0	(1,311)	-13	-334	-3	-409	-6	-529	-6
1985	750		0	(126)	(17)	126	17	-395	-6	-383	-6	-398	-6
1986	1,658	150	9	0	0	(150)	-9	-445	-11	-205	-3	-356	-6
1987	22,739	2,633	12	0	0	(2,633)	-12	-886	-11	-794	-9	-682	-8
1988	5,700		0	(10)	(0)	10	0	-924	-9	-792	-10	-595	-8
1989	13,864		0	0	0	0	0	-874	-6	-529	-6	-595	-6
1990			0	0	0	0	0	3	0	-555	-6	-595	-6
1991	2,097	850	41	0	0	(850)	-41	-283	-5	-695	-8	-624	-7
1992	450	175	39	0	0	(175)	-39	-342	-40	-203	-5	-579	-7
1993		-	0	0	0	0	0	-342	-40	-205	-6	-579	-7
1994	102,996	2,184	2	0	0	(2,184)	-2	-786	-2	-642	-3	-725	-4
1995	44,404		0	(25)	(0)	25	0	-720	-1	-637	-2	-662	-3
1996	8,928		0	0	0	0	0	-720	-1	-467	-1	-662	-3
1997	156,127		0	0	0	0	0	8	0	-432	-1	-662	-2
1998	89,260		0	0	0	0	0	0	0	-432	-1	-662	-2
1999	94,682	1,783	2	0	0	(1,783)	-2	-594	-1	-352	0	-748	-2
2000			0	0	0	0	0	-594	-1	-357	-1	-748	-2
2001			0	0	0	0	0	-594	-2	-357	-1	-748	-2
2002	2,335	2,103	90	0	0	(2,103)	-90	-701	-90	-777	-2	-845	-2
2003			0	0	0	0	0	-701	-90	-777	-4	-845	-2
2004	2,500	2,224	89	0	0	(2,224)	-89	-1,442	-89	-865	-89	-937	-2
2005			0	0	0	0	0	-741	-89	-865	-89	-937	-2
2006			0	0	0	0	0	-741	-89	-865	-89	-937	-2
2007	48		0	0	0	0	0	0	0	-445	-87	-937	-2
2008	855	225	26	0	0	(225)	-26	-75	-25	-490	-72	-893	-2
2009	4,264	238	6	0	0	(238)	-6	-154	-9	-93	-9	-854	-2
2010	10,123	386	4	(17)	(0)	(370)	-4	-278	-5	-167	-5	-827	-2
2011	387	266	69	0	0	(266)	-69	-291	-6	-220	-7	-798	-3
2012	7,711	2,195	28	0	0	(2,195)	-28	-943	-16	-659	-14	-867	-3
2013	18,938	707	4	0	0	(707)	-4	-1,056	-12	-755	-9	-860	-3
2014	36,556	25,953	71	(176)	(0)	(25,777)	-71	-9,559	-45	-5,863	-40	-1,992	-7
2015	1,796	1,927	107	748	42	(2,675)	-149	-9,720	-51	-6,324	-48	-2,022	-7
2016	70,865	4,128	6	0	0	(4,128)	-6	-10,860	-30	-7,096	-26	-2,110	-7
2017	11,745	3,380	29	0	0	(3,380)	-29	-3,394	-12	-7,333	-26	-2,161	-7
2018	31,313	25,406	81	0	0	(25,406)	-81	-10,971	-29	-12,273	-40	-3,055	-10

**Indiana American Water Company**  
**ACCOUNT 304.6 - OFFICE BUILDINGS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2019	35,929	184,963	515	0	0	(184,963)	-515	-71,249	-271	-44,110	-145	-9,792	-33
2020	32,098	9,212	29	0	0	(9,212)	-29	-73,194	-221	-45,418	-125	-9,771	-32
2021	11,149	606	5	0	0	(606)	-5	-64,927	-246	-44,713	-183	-9,455	-32
2022	45,032	38,123	85	0	0	(38,123)	-85	-15,980	-54	-51,662	-166	-10,411	-35
<b>TOTAL</b>	<b>899,920</b>	<b>311,930</b>	<b>34.66</b>	<b>395</b>	<b>0.04</b>	<b>-312,325</b>	<b>(34.71)</b>						

**Indiana American Water Company**  
**ACCOUNT 304.61 - HVAC**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2019		8,313	0	0		(8,313)						-8,313	
2020		73,559	0	0		(73,559)						-40,936	
2021		25,757	0	0		(25,757)		-35,876	0			-35,876	
2022	60,520	80,198	133	0		(80,198)	-133	-59,838	-297			-46,957	-310
<b>TOTAL</b>	<b>60,520</b>	<b>187,828</b>	<b>310.36</b>	<b>0</b>	<b>0.00</b>	<b>-187,828</b>	<b>(310.36)</b>						



**Indiana American Water Company**  
**ACCOUNT 304.7 - SHOP AND GARAGE**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1975		300	0	0	0	(300)	0					-300	
1976			0	0	0	0	0					-300	
1977		32	0	0	0	(32)	0	-111	0			-166	
1978			0	0	0	0	0	-11	0			-166	
1979			0	0	0	0	0	-11	0	-66	0	-166	
1980			0	0	0	0	0	0	0	-6	0	-166	
1981		37	0	(20)	0	(17)	0	-6	0	-10	0	-116	
1982			0	0	0	0	0	-6	0	-3	0	-116	
1983		174	0	0	0	(174)	0	-64	0	-38	0	-131	
1984	1,544	256	17	0	0	(256)	-17	-143	-28	-89	-29	-156	-50
1985	3,900	2,138	55	(300)	(8)	(1,838)	-47	-756	-42	-457	-42	-436	-48
1986	16,842	1,602	10	0	0	(1,602)	-10	-1,232	-17	-774	-17	-603	-19
1987			0	0	0	0	0	-1,147	-17	-774	-17	-603	-19
1988	986		0	0	0	0	0	-534	-9	-739	-16	-603	-18
1989	1,630		0	0	0	0	0	0	0	-688	-15	-603	-17
1990	2,797	200	7	0	0	(200)	-7	-67	-4	-360	-8	-552	-16
1991	6,954	4,881	70	0	0	(4,881)	-70	-1,694	-45	-1,016	-41	-1,033	-27
1992	5,994	425	7	0	0	(425)	-7	-1,835	-35	-1,101	-30	-973	-24
1993			0	0	0	0	0	-1,769	-41	-1,101	-32	-973	-24
1994	21,887	4,800	22	0	0	(4,800)	-22	-1,742	-19	-2,061	-27	-1,320	-23
1995	1,500	960	64	0	0	(960)	-64	-1,920	-25	-2,213	-30	-1,290	-24
1996		25,000	0	(100)	0	(24,900)	0	-10,220	-131	-6,217	-106	-3,107	-63
1997	10,000		0	0	0	0	0	-8,620	-225	-6,132	-92	-3,107	-55
1998			0	0	0	0	0	-8,300	-249	-6,132	-92	-3,107	-55
1999			0	0	0	0	0	0	0	-5,172	-225	-3,107	-55
2000			0	0	0	0	0	0	0	-4,980	-249	-3,107	-55
2001		1,330	0	0	0	(1,330)	0	-443	0	-266	-13	-2,980	-56
2002	2,222	-	0	0	0	0	0	-443	-60	-266	-60	-2,980	-55
2003	1,100	1,063	97	0	0	(1,063)	-97	-798	-72	-479	-72	-2,852	-55
2004			0	(6,415)	0	6,415	0	1,784	161	804	121	-2,273	-47
2005	15,000		0	0	0	0	0	1,784	33	804	22	-2,273	-39
2006	5,250	60,131	1,145	0	0	(60,131)	-1,145	-17,905	-265	-10,956	-232	-5,676	-99
2007	53,061	28,453	54	0	0	(28,453)	-54	-29,528	-121	-16,646	-112	-6,941	-83
2008	26,773		0	0	0	0	0	-29,528	-104	-16,434	-82	-6,941	-70
2009	6,945	4,786	69	0	0	(4,786)	-69	-11,079	-38	-18,674	-87	-6,828	-70
2010	121,725	13,343	11	0	0	(13,343)	-11	-6,043	-12	-21,342	-50	-7,154	-47
2011	8,049	3,941	49	0	0	(3,941)	-49	-7,356	-16	-10,104	-23	-7,001	-47
2012	98,156	11,694	12	0	0	(11,694)	-12	-9,659	-13	-6,753	-13	-7,214	-38
2013	28,430	24,470	86	0	0	(24,470)	-86	-13,368	-30	-11,647	-22	-7,964	-42
2014	21,205	10,471	49	0	0	(10,471)	-49	-15,545	-32	-12,784	-23	-8,069	-42
2015	33,155	6,054	18	0	0	(6,054)	-18	-13,665	-50	-11,326	-30	-7,988	-40

**Indiana American Water Company**  
**ACCOUNT 304.7 - SHOP AND GARAGE**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2016	409,595	8,482	2	0	0	(8,482)	-2	-8,336	-5	-12,234	-10	-8,007	-23
2017	21,696	14,426	66	0	0	(14,426)	-66	-9,654	-6	-12,780	-12	-8,245	-24
2018	12,825	24,758	193	0	0	(24,758)	-193	-15,889	-11	-12,838	-13	-8,835	-26
2019	13,181	2,977	23	0	0	(2,977)	-23	-14,053	-88	-11,339	-12	-8,633	-26
2020	95,704	0	0	0	0	0	0	-9,245	-23	-10,128	-9	-8,633	-24
2021	26,871	2,886	11	0	0	(2,886)	-11	-1,954	-4	-9,009	-26	-8,441	-24
2022	24,852	2,385	10	0	0	(2,385)	-10	-1,757	-4	-6,601	-19	-8,246	-23
<b>TOTAL</b>	<b>1,099,831</b>	<b>262,453</b>	<b>23.86</b>	<b>-6,835</b>	<b>(0.62)</b>	<b>-255,618</b>	<b>(23.24)</b>						

**Indiana American Water Company**  
**ACCOUNT 304.8 - MISCELLANEOUS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1977		11,196	0	0	0	(11,196)	0					-11,196	
1978			0	0	0	0	0					-11,196	
1979			0	0	0	0	0	-3,732	0			-11,196	
1980			0	0	0	0	0	0	0			-11,196	
1981			0	0	0	0	0	0	0	-2,239	0	-11,196	
1982	3,692		0	0	0	0	0	0	0	0	0	-11,196	-303
1983	16,038		0	0	0	0	0	0	0	0	0	-11,196	-57
1984	1,875		0	0	0	0	0	0	0	0	0	-11,196	-52
1985	(1,575)		0	0	0	0	0	0	0	0	0	-11,196	-56
1986	7,284		0	0	0	0	0	0	0	0	0	-11,196	-41
1987			0	0	0	0	0	0	0	0	0	-11,196	-41
1988	10,000		0	0	0	0	0	0	0	0	0	-11,196	-30
1989	1,145		0	0	0	0	0	0	0	0	0	-11,196	-29
1990		4,790	0	0	0	(4,790)	0	-1,597	-43	-958	-26	-7,993	-42
1991			0	0	0	0	0	-1,597	-418	-958	-43	-7,993	-42
1992	8,343		0	0	0	0	0	-1,597	-57	-958	-25	-7,993	-34
1993	1,187		0	0	0	0	0	0	0	-958	-45	-7,993	-33
1994	384		0	(55)	(14)	55	14	18	1	-947	-48	-5,310	-33
1995	609		0	0	0	0	0	18	3	11	1	-5,310	-33
1996	500		0	(50)	(10)	50	10	35	7	21	1	-3,970	-32
1997	8,220		0	0	0	0	0	17	1	21	1	-3,970	-28
1998	836		0	0	0	0	0	17	1	21	1	-3,970	-27
1999			0	0	0	0	0	0	0	10	0	-3,970	-27
2000			0	0	0	0	0	0	0	10	1	-3,970	-27
2001		44	0	0	0	(44)	0	-15	0	-9	0	-3,185	-27
2002	8,289	1,551	19	0	0	(1,551)	-19	-532	-19	-319	-17	-2,913	-26
2003	5,100	1,128	22	0	0	(1,128)	-22	-908	-20	-545	-20	-2,658	-26
2004			0	0	0	0	0	-893	-20	-545	-20	-2,658	-26
2005			0	0	0	0	0	-376	-22	-545	-20	-2,658	-26
2006	3,433	(710)	(21)	0	0	710	21	237	21	-394	-12	-2,237	-24
2007	347		0	0	0	0	0	237	19	-84	-5	-2,237	-24
2008	5,210		0	0	0	0	0	237	8	142	8	-2,237	-22
2009	3,501		0	0	0	0	0	0	0	142	6	-2,237	-21
2010	40,543	3,501	9	0	0	(3,501)	-9	-1,167	-7	-558	-5	-2,377	-17
2011	10,801	661	6	0	0	(661)	-6	-1,387	-8	-832	-7	-2,206	-16
2012	4,280		0	0	0	0	0	-1,387	-7	-832	-6	-2,206	-16
2013	3,316		0	0	0	0	0	-220	-4	-832	-7	-2,206	-15
2014		293	0	0	0	(293)	0	-98	-4	-891	-8	-2,032	-16
2015	600		0	0	0	0	0	-98	-7	-191	-5	-2,032	-16
2016	67,606	246	0	0	0	(246)	0	-180	-1	-108	-1	-1,883	-11
2017	710	2,527	356	0	0	(2,527)	-356	-924	-4	-613	-4	-1,932	-12

**Indiana American Water Company**  
**ACCOUNT 304.8 - MISCELLANEOUS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2018			0	0	0	0	0	-924	-4	-613	-4	-1,932	-12
2019	761		0	0	0	0	0	-842	-172	-555	-4	-1,932	-12
2020	55,695	13,585	24	0	0	(13,585)	-24	-4,528	-24	-3,272	-13	-2,765	-14
2021	294	66,119	22,527	0	0	(66,119)	-22,527	-26,568	-140	-16,446	-143	-6,988	-39
2022	172,672	132,170	77	0	0	(132,170)	-77	-70,625	-93	-42,375	-92	-14,812	-54
<b>TOTAL</b>	<b>441,694</b>	<b>237,101</b>	<b>53.68</b>	<b>-105</b>	<b>(0.02)</b>	<b>-236,996</b>	<b>(53.66)</b>						

**Indiana American Water Company**  
**ACCOUNT 305 - COLLECTING AND IMPOUNDING RESERVOIRS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1978		1,200	0	(43,316)	0	42,116	0					42,116	
1979			0	0	0	0	0					42,116	
1980			0	1,140	0	(1,140)	0	13,659	0			20,488	
1981			0	0	0	0	0	-380	0			20,488	
1982			0	0	0	0	0	-380	0	8,195	0	20,488	
1983			0	0	0	0	0	0	0	-228	0	20,488	
1984			0	0	0	0	0	0	0	-228	0	20,488	
1985			0	0	0	0	0	0	0	0	0	20,488	
1986			0	0	0	0	0	0	0	0	0	20,488	
1987			0	0	0	0	0	0	0	0	0	20,488	
1988			0	0	0	0	0	0	0	0	0	20,488	
1989	1,583	2,000	126	0	0	(2,000)	-126	-667	-126	-400	-126	12,992	2,461
1990			0	0	0	0	0	-667	-126	-400	-126	12,992	2,461
1991			0	0	0	0	0	-667	-126	-400	-126	12,992	2,461
1992			0	0	0	0	0	0	0	-400	-126	12,992	2,461
1993			0	0	0	0	0	0	0	-400	-126	12,992	2,461
1994			0	0	0	0	0	0	0	0	0	12,992	2,461
1995	1,960	2,400	122	0	0	(2,400)	-122	-800	-122	-480	-122	9,144	1,032
1996	7,122	(240)	(3)	0	0	240	3	-720	-24	-432	-24	7,363	345
1997	18,027	10,000	55	0	0	(10,000)	-55	-4,053	-45	-2,432	-45	4,469	93
1998			0	0	0	0	0	-3,253	-39	-2,432	-45	4,469	93
1999			0	0	0	0	0	-3,333	-55	-2,432	-45	4,469	93
2000			0	0	0	0	0	0	0	-1,952	-39	4,469	93
2001		4,000	0	0	0	(4,000)	0	-1,333	0	-2,800	-78	3,259	80
2002	153,893		0	0	0	0	0	-1,333	-3	-800	-3	3,259	12
2003			0	0	0	0	0	-1,333	-3	-800	-3	3,259	12
2004			0	0	0	0	0	0	0	-800	-3	3,259	12
2005			0	0	0	0	0	0	0	-800	-3	3,259	12
2006			0	0	0	0	0	0	0	0	0	3,259	12
2007			0	0	0	0	0	0	0	0	0	3,259	12
2008			0	0	0	0	0	0	0	0	0	3,259	12
2009	269	1	0	0	0	(1)	0	0	0	0	0	2,852	12
2010	79,925		0	0	0	0	0	0	0	0	0	2,852	9
2011			0	0	0	0	0	0	0	0	0	2,852	9
2012			0	0	0	0	0	0	0	0	0	2,852	9
2013		1	0	0	0	(1)	0	0	0	-1	0	2,535	9
2014	14,730	99	1	0	0	(99)	-1	-34	-1	-20	0	2,271	8
2015	1,470	111	8	0	0	(111)	-8	-70	-1	-42	-1	2,055	8
2016	3,602	113,833	3,160	0	0	(113,833)	-3,160	-38,014	-576	-22,809	-576	-7,602	-32
2017	1,031		0	0	0	0	0	-37,981	-1,867	-22,809	-547	-7,602	-32
2018			0	0	0	0	0	-37,944	-2,457	-22,809	-547	-7,602	-32

**Indiana American Water Company**  
**ACCOUNT 305 - COLLECTING AND IMPOUNDING RESERVOIRS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2019	2,610	16,183	620	0	0	(16,183)	-620	-5,394	-444	-26,025	-1,494	-8,262	-38
2020			0	0	0	0	0	-5,394	-620	-26,003	-1,795	-8,262	-38
2021			0	0	0	0	0	-5,394	-620	-3,237	-444	-8,262	-38
2022		1,046,407	0	0	0	(1,046,407)	0	-348,802	0	-212,518	-40,719	-82,416	-403
<b>TOTAL</b>	<b>286,222</b>	<b>1,195,995</b>	<b>417.86</b>	<b>-42,176</b>	<b>(14.74)</b>	<b>-1,153,819</b>	<b>(403.12)</b>						

**Indiana American Water Company**  
**ACCOUNT 306 - LAKE, RIVER, AND OTHER INTAKES**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1977		1,050	0	0	0	(1,050)	0					-1,050	
1978			0	0	0	0	0					-1,050	
1979	1,085		0	0	0	0	0	-350	-97			-1,050	-97
1980		4,800	0	0	0	(4,800)	0	-1,600	-442			-2,925	-539
1981			0	0	0	0	0	-1,600	-442	-1,170	-539	-2,925	-539
1982		3,030	0	0	0	(3,030)	0	-2,610	0	-1,566	-721	-2,960	-818
1983		444	0	0	0	(444)	0	-1,158	0	-1,655	-762	-2,331	-859
1984	18,026	19,178	106	0	0	(19,178)	-106	-7,550	-126	-5,490	-152	-5,700	-149
1985	15		0	0	0	0	0	-6,541	-109	-4,530	-126	-5,700	-149
1986	26,287	981	4	0	0	(981)	-4	-6,719	-45	-4,726	-53	-4,914	-65
1987			0	0	0	0	0	-327	-4	-4,120	-46	-4,914	-65
1988	1,919	400	21	0	0	(400)	-21	-460	-5	-4,112	-44	-4,269	-63
1989		505	0	0	0	(505)	0	-302	-47	-377	-7	-3,798	-64
1990		500	0	0	0	(500)	0	-468	-73	-477	-8	-3,432	-65
1991		2,183	0	0	0	(2,183)	0	-1,063	0	-718	-187	-3,307	-70
1992	1,905	900	47	0	0	(900)	-47	-1,194	-188	-898	-117	-3,088	-69
1993		7,502	0	0	0	(7,502)	0	-3,528	-556	-2,318	-608	-3,456	-84
1994			0	0	0	0	0	-2,801	-441	-2,217	-582	-3,456	-84
1995		12,105	0	0	0	(12,105)	0	-6,536	0	-4,538	-1,191	-4,121	-109
1996	817	2,844	348	0	0	(2,844)	-348	-4,983	-1,829	-4,670	-858	-4,030	-113
1997		33,847	0	0	0	(33,847)	0	-16,265	-5,972	-11,260	-6,890	-6,018	-180
1998		41,454	0	0	0	(41,454)	0	-26,048	-9,563	-18,050	-11,045	-8,233	-263
1999	132,934	6,084	5	0	0	(6,084)	-5	-27,128	-61	-19,267	-72	-8,106	-75
2000	14,950	21,668	145	0	0	(21,668)	-145	-23,069	-47	-21,179	-71	-8,860	-81
2001	5,418	9,041	167	0	0	(9,041)	-167	-12,264	-24	-22,419	-73	-8,869	-83
2002	494,040	13,312	3	0	0	(13,312)	-3	-14,674	-9	-18,312	-14	-9,091	-26
2003	28,606	20,156	70	0	0	(20,156)	-70	-14,170	-8	-14,052	-10	-9,618	-28
2004		8,041	0	0	0	(8,041)	0	-13,836	-8	-14,444	-13	-9,547	-29
2005		508	0	0	0	(508)	0	-9,568	-100	-10,212	-10	-9,154	-29
2006	226,659	26,397	12	0	0	(26,397)	-12	-11,649	-15	-13,683	-9	-9,872	-25
2007	427	1,491	349	0	0	(1,491)	-349	-9,465	-13	-11,319	-22	-9,537	-25
2008	23,730	11,225	47	0	0	(11,225)	-47	-13,038	-16	-9,532	-19	-9,602	-26
2009	34	58,994	173,207	0	0	(58,994)	-173,207	-23,903	-296	-19,723	-39	-11,431	-32
2010	428,439	95,076	22	0	0	(95,076)	-22	-55,099	-37	-38,637	-28	-14,418	-29
2011		33,277	0	0	0	(33,277)	0	-62,449	-44	-40,013	-44	-15,069	-31
2012	6,633	36,101	544	0	0	(36,101)	-544	-54,818	-38	-46,935	-51	-15,770	-34
2013		26,257	0	0	0	(26,257)	0	-31,879	-1,442	-49,941	-57	-16,108	-35
2014	4,755	72,380	1,522	(32)	(1)	(72,348)	-1,522	-44,902	-1,183	-52,612	-60	-17,866	-40
2015	1,070,000	15,522	1	0	0	(15,522)	-1	-38,042	-11	-36,701	-17	-17,795	-24
2016	21,452	67,353	314	0	0	(67,353)	-314	-51,741	-14	-43,516	-20	-19,252	-26
2017			0	0	0	0	0	-27,625	-8	-36,296	-17	-19,252	-26

**Indiana American Water Company**  
**ACCOUNT 306 - LAKE, RIVER, AND OTHER INTAKES**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2018			0	0	0	0	0	-22,451	-314	-31,044	-14	-19,252	-26
2019	644	1,976,491	307,018	(1,581,607)	(245,679)	(394,884)	-61,339	-131,628	-61,339	-95,552	-44	-29,985	-42
2020	122,024		0	0	0	0	0	-131,628	-322	-92,447	-321	-29,985	-40
2021			0	0	0	0	0	-131,628	-322	-78,977	-322	-29,985	-40
2022			0	0	0	0	0	0	0	-78,977	-322	-29,985	-40
<b>TOTAL</b>	<b>2,630,799</b>	<b>2,631,097</b>	<b>100.01</b>	<b>-1,581,639</b>	<b>(60.12)</b>	<b>-1,049,458</b>	<b>(39.89)</b>						



**Indiana American Water Company**  
**ACCOUNT 307 - WELLS AND SPRINGS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1977		1,050	0	0	0	(1,050)	0					-1,050	
1978	31,766		0	0	0	0	0					-1,050	-3
1979	6,773		0	0	0	0	0	-350	-3			-1,050	-3
1980	6,395	4,800	75	0	0	(4,800)	-75	-1,600	-11			-2,925	-13
1981	17,824		0	0	0	0	0	-1,600	-15	-1,170	-9	-2,925	-9
1982	3,264	3,030	93	0	0	(3,030)	-93	-2,610	-28	-1,566	-12	-2,960	-13
1983	42,048	444	1	0	0	(444)	-1	-1,158	-6	-1,655	-11	-2,331	-9
1984	74,422	19,178	26	(286)	(0)	(18,892)	-25	-7,455	-19	-5,433	-19	-5,643	-15
1985	944		0	0	0	0	0	-6,445	-16	-4,473	-16	-5,643	-15
1986	215	981	456	0	0	(981)	-456	-6,624	-26	-4,669	-19	-4,866	-16
1987	20,121		0	0	0	0	0	-327	-5	-4,063	-15	-4,866	-14
1988	7,073	400	6	0	0	(400)	-6	-460	-5	-4,055	-20	-4,228	-14
1989	8,065	505	6	0	0	(505)	-6	-302	-3	-377	-5	-3,763	-14
1990	231,370	500	0	0	0	(500)	0	-468	-1	-477	-1	-3,400	-7
1991	7,387	2,183	30	0	0	(2,183)	-30	-1,063	-1	-718	-1	-3,278	-7
1992	72,086	900	1	0	0	(900)	-1	-1,194	-1	-898	-1	-3,062	-6
1993	56,495	7,502	13	0	0	(7,502)	-13	-3,528	-8	-2,318	-3	-3,432	-7
1994	12,158		0	0	0	0	0	-2,801	-6	-2,217	-3	-3,432	-7
1995	56,149	12,105	22	0	0	(12,105)	-22	-6,536	-16	-4,538	-11	-4,099	-8
1996	2,298	2,844	124	(4,920)	(214)	2,076	90	-3,343	-14	-3,686	-9	-3,658	-8
1997	87,917	33,847	38	0	0	(33,847)	-38	-14,625	-30	-10,276	-24	-5,671	-11
1998	204,299	41,454	20	0	0	(41,454)	-20	-24,408	-25	-17,066	-24	-7,907	-13
1999	31,006	6,084	20	0	0	(6,084)	-20	-27,128	-25	-18,283	-24	-7,800	-14
2000	108,698	21,668	20	0	0	(21,668)	-20	-23,069	-20	-20,195	-23	-8,570	-14
2001	3,959	9,041	228	0	0	(9,041)	-228	-12,264	-26	-22,419	-26	-8,595	-15
2002	96,943	13,312	14	0	0	(13,312)	-14	-14,674	-21	-18,312	-21	-8,831	-15
2003	186,418	20,156	11	0	0	(20,156)	-11	-14,170	-15	-14,052	-16	-9,370	-14
2004	15,503	8,041	52	0	0	(8,041)	-52	-13,836	-14	-14,444	-18	-9,310	-15
2005	16,312	508	3	0	0	(508)	-3	-9,568	-13	-10,212	-16	-8,927	-15
2006	244,992	26,397	11	0	0	(26,397)	-11	-11,649	-13	-13,683	-12	-9,655	-14
2007	64,158	1,491	2	0	0	(1,491)	-2	-9,465	-9	-11,319	-11	-9,329	-14
2008	38,860	11,225	29	0	0	(11,225)	-29	-13,038	-11	-9,532	-13	-9,402	-14
2009	134,202	58,994	44	0	0	(58,994)	-44	-23,903	-30	-19,723	-20	-11,238	-16
2010	180,403	95,076	53	(426)	(0)	(94,650)	-52	-54,957	-47	-38,551	-29	-14,217	-19
2011	180,005	33,277	18	0	0	(33,277)	-18	-62,307	-38	-39,927	-33	-14,875	-19
2012	77,324	36,101	47	0	0	(36,101)	-47	-54,676	-37	-46,850	-38	-15,582	-20
2013	810,670	26,257	3	0	0	(26,257)	-3	-31,879	-9	-49,856	-18	-15,926	-16
2014	44,289	72,380	163	(62)	(0)	(72,318)	-163	-44,892	-14	-52,521	-20	-17,689	-18
2015	145,822	15,522	11	0	0	(15,522)	-11	-38,032	-11	-36,695	-15	-17,623	-17
2016	472,033	67,353	14	0	0	(67,353)	-14	-51,731	-23	-43,510	-14	-19,086	-17
2017	76,610	24,357	32	0	0	(24,357)	-32	-35,744	-15	-41,161	-13	-19,236	-17

**Indiana American Water Company**  
**ACCOUNT 307 - WELLS AND SPRINGS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2018	40,486	8,771	22	0	0	(8,771)	-22	-33,494	-17	-37,664	-24	-18,946	-17
2019	259,837	99,052	38	0	0	(99,052)	-38	-44,060	-35	-43,011	-22	-21,111	-19
2020	824,942	76,355	9	0	0	(76,355)	-9	-61,393	-16	-55,178	-16	-22,564	-17
2021	51,495	92,489	180	0	0	(92,489)	-180	-89,299	-24	-60,205	-24	-24,357	-19
2022	170,346	52,810	31	0	0	(52,810)	-31	-73,885	-21	-65,895	-24	-25,069	-19
<b>TOTAL</b>	<b>5,224,382</b>	<b>1,008,440</b>	<b>19.30</b>	<b>-5,694</b>	<b>(0.11)</b>	<b>-1,002,746</b>	<b>(19.19)</b>						

**Indiana American Water Company**  
**ACCOUNT 308 - INFILTRATION GALLERIES AND TUNNELS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2009	58	3,534	6,052	0	0	(3,534)	-6,052					-3,534	-6,052
2010	73		0	0	0	0	0					-3,534	-2,688
2011			0	0	0	0	0	-1,178	-2,688			-3,534	-2,688
2012			0	0	0	0	0	0	0			-3,534	-2,688
2013		13,694	0	0	0	(13,694)	0	-4,565	0	-3,446	-13,102	-8,614	-13,102
2014			0	0	0	0	0	-4,565	0	-2,739	-18,734	-8,614	-13,102
2015			0	0	0	0	0	-4,565	0	-2,739	0	-8,614	-13,102
2016			0	0	0	0	0	0	0	-2,739	0	-8,614	-13,102
2017			0	0	0	0	0	0	0	-2,739	0	-8,614	-13,102
2018			0	0	0	0	0	0	0	0	0	-8,614	-13,102
2019		1,090	0	0	0	(1,090)	0	-363	0	-218	0	-6,106	-13,931
2020	509		0	0	0	0	0	-363	-214	-218	-214	-6,106	-2,861
2021			0	0	0	0	0	-363	-214	-218	-214	-6,106	-2,861
2022			0	0	0	0	0	0	0	-218	-214	-6,106	-2,861
<b>TOTAL</b>	<b>640</b>	<b>18,318</b>	<b>2861.30</b>	<b>0</b>	<b>0.00</b>	<b>-18,318</b>	<b>(2861.30)</b>						

**Indiana American Water Company**  
**ACCOUNT 309 - SUPPLY MAINS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1977		1,854	0	0	0	(1,854)	0					-1,854	
1978	403		0	0	0	0	0					-1,854	-460
1979			0	0	0	0	0	-618	-460			-1,854	-460
1980			0	0	0	0	0	0	0			-1,854	-460
1981			0	0	0	0	0	0	0	-371	-460	-1,854	-460
1982			0	0	0	0	0	0	0	0	0	-1,854	-460
1983			0	0	0	0	0	0	0	0	0	-1,854	-460
1984	3,062	3,796	124	0	0	(3,796)	-124	-1,265	-124	-759	-124	-2,825	-163
1985	38	14,367	37,698	0	0	(14,367)	-37,698	-6,054	-586	-3,632	-586	-6,672	-571
1986			0	0	0	0	0	-6,054	-586	-3,632	-586	-6,672	-571
1987	30,544		0	0	0	0	0	-4,789	-47	-3,632	-54	-6,672	-59
1988			0	0	0	0	0	0	0	-3,632	-54	-6,672	-59
1989			0	0	0	0	0	0	0	-2,873	-47	-6,672	-59
1990	225		0	0	0	0	0	0	0	0	0	-6,672	-58
1991	6,530	211	3	0	0	(211)	-3	-70	-3	-42	-1	-5,057	-50
1992	4,557	(210)	(5)	0	0	210	5	0	0	0	0	-4,003	-44
1993			0	0	0	0	0	0	0	0	0	-4,003	-44
1994	11,906	38,253	321	0	0	(38,253)	-321	-12,681	-231	-7,651	-165	-9,712	-102
1995			0	0	0	0	0	-12,751	-321	-7,651	-166	-9,712	-102
1996	69,259	300	0	(6,683)	(10)	6,383	9	-10,623	-39	-6,332	-37	-7,412	-41
1997	22,442	13,713	61	0	0	(13,713)	-61	-2,443	-8	-9,117	-44	-8,200	-44
1998		(638)	0	0	0	638	0	-2,231	-7	-8,989	-43	-7,218	-44
1999	1,478		0	0	0	0	0	-4,358	-55	-1,338	-7	-7,218	-43
2000	5,526	631	11	0	0	(631)	-11	2	0	-1,465	-7	-6,559	-42
2001			0	0	0	0	0	-210	-9	-2,741	-47	-6,559	-42
2002	1,500		0	0	0	0	0	-210	-9	1	0	-6,559	-42
2003	3,687		0	0	0	0	0	0	0	-126	-5	-6,559	-41
2004			0	0	0	0	0	0	0	-126	-6	-6,559	-41
2005	460		0	0	0	0	0	0	0	0	0	-6,559	-41
2006	46,294	1,000	2	0	0	(1,000)	-2	-333	-2	-200	-2	-6,054	-32
2007	1,021		0	0	0	0	0	-333	-2	-200	-2	-6,054	-32
2008	434	25,479	5,866	0	0	(25,479)	-5,866	-8,826	-55	-5,296	-55	-7,673	-44
2009	6,149	15,767	256	0	0	(15,767)	-256	-13,749	-542	-8,449	-78	-8,295	-50
2010	97,938	21,116	22	0	0	(21,116)	-22	-20,787	-60	-12,672	-42	-9,211	-41
2011	2,309	1,740	75	(1)	(0)	(1,739)	-75	-12,874	-36	-12,820	-59	-8,713	-41
2012	14,176	159	1	0	0	(159)	-1	-7,671	-20	-12,852	-53	-8,178	-40
2013	41,675	14,366	34	0	0	(14,366)	-34	-5,421	-28	-10,629	-33	-8,542	-39
2014	79,518	27,646	35	(483)	(1)	(27,163)	-34	-13,896	-31	-12,909	-27	-9,577	-38
2015	17,040	591	3	(0)	(0)	(591)	-3	-14,040	-30	-8,804	-28	-9,104	-37
2016	11,956	1,167	10	0	0	(1,167)	-10	-9,640	-27	-8,689	-26	-8,707	-36
2017	3,083	737	24	0	0	(737)	-24	-832	-8	-8,805	-29	-8,328	-36

**Indiana American Water Company**  
**ACCOUNT 309 - SUPPLY MAINS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2018	2,021	147	7	0	0	(147)	-7	-684	-12	-5,961	-26	-7,956	-36
2019		3,845	0	0	0	(3,845)	0	-1,576	-93	-1,297	-19	-7,777	-37
2020	91,383		0	0	0	0	0	-1,331	-4	-1,179	-5	-7,777	-31
2021	9,066	1,136	13	0	0	(1,136)	-13	-1,660	-5	-1,173	-6	-7,500	-31
2022			0	0	0	0	0	-379	-1	-1,026	-5	-7,500	-31
<b>TOTAL</b>	<b>585,681</b>	<b>187,172</b>	<b>31.96</b>	<b>-7,167</b>	<b>(1.22)</b>	<b>-180,005</b>	<b>(30.73)</b>						

**Indiana American Water Company**  
**ACCOUNT 310 - POWER GENERATION EQUIPMENT**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2017	11,241	8,557	76	(1,200)	(11)	(7,357)	-65					-7,357	-65
2018	326,518	7,093	2	0	0	(7,093)	-2					-7,225	-4
2019	197,145	52,664	27	0	0	(52,664)	-27	-22,371	-13			-22,371	-13
2020	95,345	3,375	4	0	0	(3,375)	-4	-21,044	-10			-17,622	-11
2021	53,018	3,756	7	0	0	(3,756)	-7	-19,932	-17	-14,849	-11	-14,849	-11
2022	17,303	1,920	11	0	0	(1,920)	-11	-3,017	-5	-13,762	-10	-12,694	-11
<b>TOTAL</b>	<b>700,570</b>	<b>77,365</b>	<b>11.04</b>	<b>-1,200</b>	<b>(0.17)</b>	<b>-76,165</b>	<b>(10.87)</b>						

**Indiana American Water Company**  
**ACCOUNT 311.2 - PUMPING EQUIPMENT - ELECTRIC**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1975	541	766	142	(712)	(132)	(54)	-10					-54	-10
1976	18,316	35	0	(729)	(4)	694	4					320	3
1977	10,397	15	0	0	0	(15)	0	208	2			208	2
1978	6,412	1,572	25	0	0	(1,572)	-25	-298	-3			-237	-3
1979	36,001	538	1	(13)	(0)	(525)	-1	-704	-4	-294	-2	-294	-2
1980	57,776	14,022	24	(13,214)	(23)	(808)	-1	-968	-3	-445	-2	-380	-2
1981	82,271	6,860	8	0	0	(6,860)	-8	-2,731	-5	-1,956	-5	-1,306	-4
1982	34,328	5,341	16	0	0	(5,341)	-16	-4,336	-7	-3,021	-7	-1,810	-6
1983	27,660	5,280	19	0	0	(5,280)	-19	-5,827	-12	-3,763	-8	-2,196	-7
1984	123,956	10,211	8	(2,738)	(2)	(7,473)	-6	-6,031	-10	-5,152	-8	-2,723	-7
1985	49,314	2,932	6	0	0	(2,932)	-6	-5,228	-8	-5,577	-9	-2,742	-7
1986	174,418	16,504	9	(44,687)	(26)	28,183	16	5,926	5	1,431	2	-165	0
1987	47,613	521	1	0	0	(521)	-1	8,243	9	2,395	3	-193	0
1988	116,618	4,698	4	0	0	(4,698)	-4	7,655	7	2,512	2	-514	-1
1989	78,364	10,309	13	0	0	(10,309)	-13	-5,176	-6	1,945	2	-1,167	-2
1990	46,596	24,247	52	0	0	(24,247)	-52	-13,085	-16	-2,318	-3	-2,610	-5
1991	199,262	15,004	8	0	0	(15,004)	-8	-16,520	-15	-10,956	-11	-3,339	-5
1992	298,420	6,674	2	0	0	(6,674)	-2	-15,308	-8	-12,186	-8	-3,524	-5
1993	45,364	1,375	3	0	0	(1,375)	-3	-7,684	-4	-11,522	-9	-3,411	-4
1994	502,661	107,806	21	0	0	(107,806)	-21	-38,618	-14	-31,021	-14	-8,631	-9
1995	90,057	2,971	3	(20)	(0)	(2,951)	-3	-37,377	-18	-26,762	-12	-8,360	-9
1996	56,738	8,637	15	(15,540)	(27)	6,903	12	-34,618	-16	-22,381	-11	-7,667	-8
1997	148,162	25,470	17	0	0	(25,470)	-17	-7,173	-7	-26,140	-16	-8,441	-9
1998	347,489		0	0	0	0	0	-6,189	-3	-25,865	-11	-8,441	-7
1999	941,321		0	0	0	0	0	-8,490	-2	-4,304	-1	-8,441	-5
2000	106,152		0	0	0	0	0	0	0	-3,713	-1	-8,441	-5
2001	35,865	(11,398)	(32)	(7,500)	(21)	18,898	53	6,299	2	-1,314	0	-7,302	-5
2002	327,359	4,440	1	(15,450)	(5)	11,010	3	9,969	6	5,982	2	-6,569	-4
2003	178,585	15,194	9	(7,525)	(4)	(7,669)	-4	7,413	4	4,448	1	-6,611	-4
2004	139,898	20,586	15	0	0	(20,586)	-15	-5,748	-3	331	0	-7,129	-4
2005	141,341		0	0	0	0	0	-9,418	-6	331	0	-7,129	-4
2006	235,473	23,606	10	0	0	(23,606)	-10	-14,731	-9	-8,170	-4	-7,717	-5
2007	417,362	2,915	1	0	0	(2,915)	-1	-8,840	-3	-10,955	-5	-7,552	-4
2008	205,325	5,846	3	(122,835)	(60)	116,989	57	30,156	11	13,976	6	-3,400	-1
2009	1,141,894	31,072	3	0	0	(31,072)	-3	27,668	5	11,879	3	-4,293	-2
2010	1,841,603	161,722	9	(16,046)	(1)	(145,676)	-8	-19,919	-2	-17,256	-2	-8,711	-3
2011	226,239	147,033	65	0	0	(147,033)	-65	-107,927	-10	-41,941	-5	-12,903	-5
2012	163,962	55,015	34	0	0	(55,015)	-34	-115,908	-16	-52,361	-7	-14,141	-6
2013	463,350	35,641	8	0	0	(35,641)	-8	-79,230	-28	-82,887	-11	-14,756	-5
2014	201,297	99,503	49	(719)	(0)	(98,784)	-49	-63,147	-23	-96,430	-17	-17,090	-6
2015	413,136	41,858	10	0	0	(41,858)	-10	-58,761	-16	-75,666	-26	-17,759	-7

**Indiana American Water Company**  
**ACCOUNT 311.2 - PUMPING EQUIPMENT - ELECTRIC**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2016	2,113,245	49,545	2	0	0	(49,545)	-2	-63,395	-7	-56,168	-8	-18,596	-6
2017	80,654	113,391	141	0	0	(113,391)	-141	-68,264	-8	-67,844	-10	-21,026	-7
2018	298,264	220,214	74	0	0	(220,214)	-74	-127,716	-15	-104,758	-17	-26,006	-8
2019	1,431,433	259,068	18	0	0	(259,068)	-18	-197,557	-33	-136,815	-16	-31,690	-10
2020	798,889	4,409	1	0	0	(4,409)	-1	-161,230	-19	-129,325	-14	-31,041	-9
2021	151,352	33,322	22	0	0	(33,322)	-22	-98,933	-12	-126,081	-23	-31,094	-9
2022	208,992	12,513	6	0	0	(12,513)	-6	-16,748	-4	-105,905	-18	-30,672	-9
<b>TOTAL</b>	<b>14,861,727</b>	<b>1,597,280</b>	<b>10.75</b>	<b>-247,728</b>	<b>(1.67)</b>	<b>-1,349,552</b>	<b>(9.08)</b>						



**Indiana American Water Company**  
**ACCOUNT 311.3 - PUMPING EQUIPMENT - DIESEL**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2017	421	3,114	740	0	0	(3,114)	-740					-3,114	-740
2018	6,564		0	0	0	0	0					-3,114	-45
2019	10,975		0	0	0	0	0	-1,038	-17			-3,114	-17
2020	13,461		0	0	0	0	0	0	0			-3,114	-10
2021	21,347		0	0	0	0	0	0	0	-623	-6	-3,114	-6
2022	1,016		0	0	0	0	0	0	0	0	0	-3,114	-6
<b>TOTAL</b>	<b>53,784</b>	<b>3,114</b>	<b>5.79</b>	<b>0</b>	<b>0.00</b>	<b>-3,114</b>	<b>(5.79)</b>						

**Indiana American Water Company**  
**ACCOUNT 311.5 - PUMPING EQUIPMENT - OTHER**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1998	33,340		0	0	0	0	0						0
1999			0	0	0	0	0						0
2000			0	0	0	0	0	0	0				0
2001			0	0	0	0	0	0	0				0
2002			0	0	0	0	0	0	0	0	0		0
2003			0	0	0	0	0	0	0	0	0		0
2004			0	0	0	0	0	0	0	0	0		0
2005			0	0	0	0	0	0	0	0	0		0
2006			0	0	0	0	0	0	0	0	0		0
2007			0	0	0	0	0	0	0	0	0		0
2008			0	0	0	0	0	0	0	0	0		0
2009			0	0	0	0	0	0	0	0	0		0
2010			0	0	0	0	0	0	0	0	0		0
2011			0	0	0	0	0	0	0	0	0		0
2012			0	0	0	0	0	0	0	0	0		0
2013			0	0	0	0	0	0	0	0	0		0
2014			0	0	0	0	0	0	0	0	0		0
2015			0	0	0	0	0	0	0	0	0		0
2016			0	0	0	0	0	0	0	0	0		0
2017			0	0	0	0	0	0	0	0	0		0
2018			0	0	0	0	0	0	0	0	0		0
2019			0	0	0	0	0	0	0	0	0		0
2020			0	0	0	0	0	0	0	0	0		0
2021			0	0	0	0	0	0	0	0	0		0
2022	10,525	11,927	113	0	0	(11,927)	-113	-3,976	-113	-2,385	-113	-11,927	-27
<b>TOTAL</b>	<b>43,865</b>	<b>11,927</b>	<b>27.19</b>	<b>0</b>	<b>0.00</b>	<b>-11,927</b>	<b>(27.19)</b>						

**Indiana American Water Company**  
**ACCOUNT 311.5 - PUMPING EQUIPMENT - OTHER**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2017	10,317	5,216	51	0	0	(5,216)	-51					-5,216	-51
2018	1,036	93	9	0	0	(93)	-9					-2,655	-47
2019	67,294	192,439	286	0	0	(192,439)	-286	-65,916	-251			-65,916	-251
2020	68,509	229,357	335	0	0	(229,357)	-335	-140,630	-308			-106,776	-290
2021	67,294	157,714	234	(25,206)	(37)	(132,508)	-197	-184,768	-273	-111,923	-261	-111,923	-261
2022	181,796	168,723	93	0	0	(168,723)	-93	-176,863	-167	-144,624	-187	-121,389	-184
<b>TOTAL</b>	<b>396,245</b>	<b>753,542</b>	<b>190.17</b>	<b>-25,206</b>	<b>(6.36)</b>	<b>-728,336</b>	<b>(183.81)</b>						

**Indiana American Water Company**  
**ACCOUNT 311.52 - PUMPING EQUIPMENT - SOS AND PUMPING**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2017	68,258	15,081	22	0	0	(15,081)	-22					-15,081	-22
2018	123,274	86,443	70	0	0	(86,443)	-70					-50,762	-53
2019	145,019	38,171	26	0	0	(38,171)	-26	-46,565	-42			-46,565	-42
2020	160,379	6,420	4	0	0	(6,420)	-4	-43,678	-31			-36,529	-29
2021	55,323	3,089	6	0	0	(3,089)	-6	-15,893	-13	-29,841	-27	-29,841	-27
2022	273,066		0	0	0	0	0	-3,170	-2	-26,825	-18	-29,841	-18
<b>TOTAL</b>	<b>825,320</b>	<b>149,204</b>	<b>18.08</b>	<b>0</b>	<b>0.00</b>	<b>-149,204</b>	<b>(18.08)</b>						

**Indiana American Water Company**  
**ACCOUNT 311.53 - PUMPING EQUIPMENT - WATER TREATMENT**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2017	9,295	1,975	21	0	0	(1,975)	-21					-1,975	-21
2018	2,317	192	8	0	0	(192)	-8					-1,083	-19
2019		32,286	0	0	0	(32,286)	0	-11,484	-297			-11,484	-297
2020	9,872	54,580	553	0	0	(54,580)	-553	-29,020	-714			-22,258	-414
2021	4,731	3,564	75	0	0	(3,564)	-75	-30,144	-619	-18,519	-353	-18,519	-353
2022	1,309	14,999	1,146	0	0	(14,999)	-1,146	-24,381	-460	-21,124	-579	-17,933	-391
<b>TOTAL</b>	<b>27,524</b>	<b>107,597</b>	<b>390.92</b>	<b>0</b>	<b>0.00</b>	<b>-107,597</b>	<b>(390.92)</b>						

**Indiana American Water Company**  
**ACCOUNT 311.54 - PUMPING EQUIPMENT - TRANSMISSION AND DISTRIBUTION**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2018	7,219	145	2	0	0	(145)	-2					-145	-2
2019	3,526	347	10	0	0	(347)	-10					-246	-5
2020	6,522	2,197	34	0	0	(2,197)	-34	-896	-16			-896	-16
2021		15,705	0	0	0	(15,705)	0	-6,083	-182			-4,599	-107
2022	4,362		0	0	0	0	0	-5,968	-164			-4,599	-85
<b>TOTAL</b>	<b>21,629</b>	<b>18,395</b>	<b>85.05</b>	<b>0</b>	<b>0.00</b>	<b>-18,395</b>	<b>(85.05)</b>						

**Indiana American Water Company**  
**ACCOUNTS 320.10 & 320.19 - WATER TREATMENT EQUIPMENT - NON-MEDIA**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1975	25,356		0	0	0	0	0						0
1976	74,307	14	0	0	0	(14)	0					-14	0
1977	33,610	3,213	10	0	0	(3,213)	-10	-1,076	-2			-1,614	-2
1978	754,359	43,321	6	0	0	(43,321)	-6	-15,516	-5			-15,516	-5
1979	38,540	9,520	25	0	0	(9,520)	-25	-18,685	-7	-11,214	-6	-14,017	-6
1980	39,693	8,125	20	0	0	(8,125)	-20	-20,322	-7	-12,839	-7	-12,839	-7
1981	6,057	2,798	46	(810)	(13)	(1,988)	-33	-6,544	-23	-13,233	-8	-11,030	-7
1982	120,878	10,471	9	0	0	(10,471)	-9	-6,861	-12	-14,685	-8	-10,950	-7
1983	807,417	45,125	6	0	0	(45,125)	-6	-19,195	-6	-15,046	-7	-15,222	-6
1984	97,788	23,658	24	0	0	(23,658)	-24	-26,418	-8	-17,873	-8	-16,159	-7
1985	63,774	19,138	30	(405)	(1)	(18,733)	-29	-29,172	-9	-19,995	-9	-16,417	-8
1986	248,655	90,095	36	(130,733)	(53)	40,638	16	-584	0	-11,470	-4	-11,230	-5
1987	76,471	3,562	5	0	0	(3,562)	-5	6,114	5	-10,088	-4	-10,591	-5
1988	63,807	24,387	38	(2,184)	(3)	(22,203)	-35	4,958	4	-5,504	-5	-11,484	-6
1989	63,790	21,480	34	(4,454)	(7)	(17,026)	-27	-14,264	-21	-4,177	-4	-11,880	-7
1990	129,784	15,915	12	0	0	(15,915)	-12	-18,381	-21	-3,614	-3	-12,149	-7
1991	448,926	43,077	10	(500)	(0)	(42,577)	-9	-25,173	-12	-20,257	-13	-14,051	-7
1992	106,475	48,572	46	(3,600)	(3)	(44,972)	-42	-34,488	-15	-28,539	-18	-15,870	-8
1993	10,132	27,696	273	(8,250)	(81)	(19,446)	-192	-35,665	-19	-27,987	-18	-16,068	-10
1994	128,468	5,074	4	0	0	(5,074)	-4	-23,164	-28	-25,597	-16	-15,490	-9
1995	58,343	5,143	9	(100)	(0)	(5,043)	-9	-9,854	-15	-23,422	-16	-14,967	-9
1996	83,278	1,465	2	(5,475)	(7)	4,010	5	-2,036	-2	-14,105	-18	-14,064	-8
1997	383,120	86,101	22	(1,820)	(0)	(84,281)	-22	-28,438	-16	-21,967	-17	-17,255	-10
1998	387,050	99,956	26	(6,000)	(2)	(93,956)	-24	-58,076	-20	-36,869	-18	-20,590	-11
1999	2,699,569	793,598	29	0	0	(793,598)	-29	-323,945	-28	-194,574	-27	-52,799	-18
2000	541,379	70,992	13	0	0	(70,992)	-13	-319,515	-26	-207,763	-25	-53,527	-18
2001	718,608	123,494	17	0	0	(123,494)	-17	-329,361	-25	-233,264	-25	-56,218	-18
2002	1,379,655	434,427	31	0	0	(434,427)	-31	-209,638	-24	-303,293	-26	-70,225	-20
2003	1,003,203	180,513	18	0	0	(180,513)	-18	-246,145	-24	-320,605	-25	-74,164	-20
2004	111,888	32,114	29	(21,130)	(19)	(10,984)	-10	-208,641	-25	-164,082	-22	-71,986	-20
2005	418,311	286,392	68	0	0	(286,392)	-68	-159,296	-31	-207,162	-29	-79,133	-21
2006	377,462	362,367	96	0	0	(362,367)	-96	-219,914	-73	-254,937	-39	-88,269	-24
2007	102,686	10,964	11	0	0	(10,964)	-11	-219,908	-73	-170,244	-42	-85,853	-24
2008	602,054	53,585	9	(44,600)	(7)	(8,985)	-1	-127,439	-35	-135,938	-42	-83,524	-23
2009	800,496	348,143	43	0	0	(348,143)	-43	-122,697	-24	-203,370	-44	-91,307	-24
2010	2,970,421	126,031	4	(1,270)	(0)	(124,761)	-4	-160,630	-11	-171,044	-18	-92,263	-20
2011	1,711,754	590,654	35	0	0	(590,654)	-35	-354,519	-19	-216,701	-18	-106,107	-22
2012	257,533	550,468	214	0	0	(550,468)	-214	-421,961	-26	-324,602	-26	-123,810	-26
2013	631,350	168,875	27	0	0	(168,875)	-27	-436,666	-50	-356,580	-28	-119,452	-24
2014	967,306	177,887	18	(204)	(0)	(177,683)	-18	-299,009	-48	-322,488	-25	-120,946	-24
2015	613,752	607,053	99	(92)	(0)	(606,961)	-99	-317,840	-43	-418,928	-50	-133,096	-26

**Indiana American Water Company**  
**ACCOUNTS 320.10 & 320.19 - WATER TREATMENT EQUIPMENT - NON-MEDIA**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2016	3,983,687	203,618	5	0	0	(203,618)	-5	-329,421	-18	-341,521	-26	-134,816	-23
2017	443,366	80,615	18	0	0	(80,615)	-18	-297,065	-18	-247,550	-19	-133,525	-23
2018	969,407	415,704	43	0	0	(415,704)	-43	-233,312	-13	-296,916	-21	-140,088	-24
2019	363,775	671,426	185	(64)	(0)	(671,362)	-185	-389,227	-66	-395,652	-31	-174,480	-28
2020	2,533,508	1,330,925	53	0	0	(1,330,925)	-53	-805,997	-63	-540,445	-33	-178,357	-28
2021	84,432	551,258	653	0	0	(551,258)	-653	-851,182	-86	-609,973	-69	-358,744	-33
2022	943,129	1,108,776	118	0	0	(1,108,776)	-118	-996,986	-84	-815,605	-83	-206,087	-33
<b>TOTAL</b>	<b>29,478,811</b>	<b>9,917,786</b>	<b>33.64</b>	<b>-231,691</b>	<b>(0.79)</b>	<b>-9,686,095</b>	<b>(32.86)</b>						



**Indiana American Water Company**  
**ACCOUNT 320.2 - WATER TREATMENT EQUIPMENT - FILTER MEDIA**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2008		36,135	0	0	0	(36,135)	0					-36,135	
2009		9,383	0	0	0	(9,383)	0					-22,759	
2010	256,272	24,607	10	0	0	(24,607)	-10	-23,375	-27			-23,375	-27
2011	53,867	38,613	72	0	0	(38,613)	-72	-24,201	-23			-27,185	-35
2012	39,671	8,672	22	0	0	(8,672)	-22	-23,964	-21	-23,482	-34	-23,482	-34
2013	95,018	27,800	29	0	0	(27,800)	-29	-25,029	-40	-21,815	-25	-24,202	-33
2014	448,071	24,422	5	0	0	(24,422)	-5	-20,298	-10	-24,823	-14	-24,233	-19
2015	286,313	434,282	152	0	0	(434,282)	-152	-162,168	-59	-106,758	-58	-75,489	-51
2016	133,832	35,959	27	0	0	(35,959)	-27	-164,888	-57	-106,227	-53	-71,097	-49
2017	195,888	184,809	94	0	0	(184,809)	-94	-218,350	-106	-141,455	-61	-82,468	-55
2018	137,409	215,549	157	0	0	(215,549)	-157	-145,439	-93	-179,004	-74	-94,567	-63
2019	303,340	140,219	46	0	0	(140,219)	-46	-180,192	-85	-202,164	-96	-98,371	-61
2020	557,313	19,394	3	0	0	(19,394)	-3	-125,054	-38	-119,186	-45	-92,296	-48
2021		36,265	0	0	0	(36,265)	0	-65,293	-23	-119,247	-50	-88,294	-49
2022	11,276	11,651	103	0	0	(11,651)	-103	-22,437	-12	-84,616	-42	-83,184	-50
<b>TOTAL</b>	<b>2,518,270</b>	<b>1,247,761</b>	<b>49.55</b>	<b>0</b>	<b>0.00</b>	<b>-1,247,761</b>	<b>(49.55)</b>						

**Indiana American Water Company**  
**ACCOUNT 330 - DISTRIBUTION RESERVOIRS AND STANDPIPES**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1976		9,531	0	0	0	(9,531)	0					-9,531	
1977	107	6,095	5,696	0	0	(6,095)	-5,696					-7,813	-14,604
1978	4,165		0	0	0	0	0	-5,209	-366			-7,813	-366
1979	353		0	0	0	0	0	-2,032	-132			-7,813	-338
1980	35,045		0	0	0	0	0	0	0	-3,125	-39	-7,813	-39
1981	7,075		0	0	0	0	0	0	0	-1,219	-13	-7,813	-33
1982	5,519	25	0	0	0	(25)	0	-8	0	-5	0	-5,217	-30
1983	2,500		0	0	0	0	0	-8	0	-5	0	-5,217	-29
1984	44,081		0	0	0	0	0	-8	0	-5	0	-5,217	-16
1985	20,757	220	1	(6,137)	(30)	5,917	29	1,972	9	1,178	7	-2,434	-8
1986	23,476	19,500	83	0	0	(19,500)	-83	-4,528	-15	-2,722	-14	-5,847	-20
1987	66,629	3,650	5	0	0	(3,650)	-5	-5,744	-16	-3,447	-11	-5,481	-16
1988	43,062	200	0	0	0	(200)	0	-7,783	-18	-3,487	-9	-4,726	-13
1989	15,763		0	0	0	0	0	-1,283	-3	-3,487	-10	-4,726	-12
1990	(15,763)		0	0	0	0	0	-67	0	-4,670	-18	-4,726	-13
1991	26,835		0	0	0	0	0	0	0	-770	-3	-4,726	-12
1992	5,620	8,075	144	0	0	(8,075)	-144	-2,692	-48	-1,655	-11	-5,145	-14
1993			0	0	0	0	0	-2,692	-25	-1,615	-25	-5,145	-14
1994	17,642	848	5	0	0	(848)	-5	-2,974	-38	-1,785	-26	-4,667	-14
1995	7,691		0	0	0	0	0	-283	-3	-1,785	-15	-4,667	-14
1996		112	0	0	0	(112)	0	-320	-4	-1,807	-29	-4,212	-14
1997	19,234	3,182	17	0	0	(3,182)	-17	-1,098	-12	-828	-9	-4,118	-14
1998	241,064	107,578	45	0	0	(107,578)	-45	-36,957	-43	-22,344	-39	-12,740	-27
1999	309,001	235,615	76	0	0	(235,615)	-76	-115,458	-61	-69,297	-60	-29,884	-44
2000			0	0	0	0	0	-114,398	-62	-69,297	-61	-29,884	-44
2001		5,455	0	0	0	(5,455)	0	-80,357	-78	-70,366	-62	-28,139	-45
2002	124,844	94,658	76	0	0	(94,658)	-76	-33,371	-80	-88,661	-66	-32,574	-49
2003	170,284	18,818	11	0	0	(18,818)	-11	-39,644	-40	-70,909	-59	-31,714	-43
2004	1,245	4,912	395	0	0	(4,912)	-395	-39,463	-40	-24,769	-42	-30,137	-44
2005	162,405	287,725	177	0	0	(287,725)	-177	-103,818	-93	-82,314	-90	-44,448	-60
2006	23,346	316,134	1,354	0	0	(316,134)	-1,354	-202,924	-326	-144,449	-150	-58,747	-82
2007	658		0	0	0	0	0	-201,286	-324	-125,518	-175	-58,747	-82
2008	273,358	267,612	98	0	0	(267,612)	-98	-194,582	-196	-175,277	-190	-69,190	-85
2009	421,393	172,133	41	(43)	(0)	(172,090)	-41	-146,567	-63	-208,712	-118	-74,090	-76
2010	746,311	67,402	9	(2,854)	(0)	(64,548)	-9	-168,083	-35	-164,077	-56	-73,657	-58
2011	204,438	104,633	51	0	0	(104,633)	-51	-113,757	-25	-121,777	-37	-75,003	-57
2012	279,869	67,261	24	0	0	(67,261)	-24	-78,814	-19	-135,229	-35	-74,681	-55
2013	486,842	211,159	43	0	0	(211,159)	-43	-127,684	-39	-123,938	-29	-80,140	-53
2014	104,626	100,838	96	(95,797)	(92)	(5,041)	-5	-94,487	-33	-90,528	-25	-77,252	-52
2015	458,743	365,577	80	0	0	(365,577)	-80	-193,926	-55	-150,734	-49	-87,930	-55
2016	2,003,762	71,770	4	0	0	(71,770)	-4	-147,463	-17	-144,162	-22	-87,353	-39

**Indiana American Water Company**  
**ACCOUNT 330 - DISTRIBUTION RESERVOIRS AND STANDPIPES**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2017	158,438	9,760	6	0	0	(9,760)	-6	-149,036	-17	-132,661	-21	-84,677	-38
2018	13,877	978,717	7,053	0	0	(978,717)	-7,053	-353,416	-49	-286,173	-52	-114,479	-53
2019	12,779	808,174	6,324	0	0	(808,174)	-6,324	-598,884	-971	-446,800	-84	-136,856	-65
2020	3,525,108	210,961	6	0	0	(210,961)	-6	-665,951	-56	-415,876	-36	-139,172	-44
2021	49,583	66,776	135	0	0	(66,776)	-135	-361,970	-30	-414,878	-55	-136,978	-45
2022	1,569,448	12,555	1	0	0	(12,555)	-1	-96,764	-6	-415,437	-40	-133,319	-39
<b>TOTAL</b>	<b>11,671,210</b>	<b>4,637,661</b>	<b>39.74</b>	<b>-104,831</b>	<b>(0.90)</b>	<b>-4,532,830</b>	<b>(38.84)</b>						

**Indiana American Water Company**  
**ACCOUNT 331.01 - MAINS - TRANSMISSION AND DISTRIBUTION**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1975	4,755	5,962	125	(1,072)	(23)	(4,890)	-103					-4,890	-103
1976	7,088	12,036	170	(8,572)	(121)	(3,465)	-49					-4,177	-71
1977	6,609	5,546	84	(3,547)	(54)	(1,999)	-30	-3,451	-56			-3,451	-56
1978	20,683	4,994	24	(18,918)	(91)	13,924	67	2,820	25			892	9
1979	10,919	14,088	129	(3,537)	(32)	(10,552)	-97	458	4	-1,396	-14	-1,396	-14
1980	34,090	5,293	16	(3,342)	(10)	(1,951)	-6	474	2	-809	-5	-1,489	-11
1981	49,036	16,566	34	(5,202)	(11)	(11,365)	-23	-7,956	-25	-2,389	-10	-2,900	-15
1982	38,491	3,504	9	(17,000)	(44)	13,495	35	60	0	710	2	-850	-4
1983	26,470	23,565	89	(1,530)	(6)	(22,035)	-83	-6,635	-17	-6,481	-20	-3,204	-15
1984	34,943	24,967	71	(9,662)	(28)	(15,304)	-44	-7,948	-24	-7,432	-20	-4,414	-19
1985	81,501	37,724	46	6,204	8	(43,929)	-54	-27,089	-57	-15,827	-34	-8,006	-28
1986	51,311	38,028	74	(21,307)	(42)	(16,721)	-33	-25,318	-45	-16,899	-36	-8,733	-29
1987	50,137	49,239	98	(19,717)	(39)	(29,522)	-59	-30,057	-49	-25,502	-52	-10,332	-32
1988	125,969	86,748	69	(21,246)	(17)	(65,502)	-52	-37,248	-49	-34,196	-50	-14,272	-37
1989	90,231	108,023	120	(4,155)	(5)	(103,868)	-115	-66,297	-75	-51,908	-65	-20,246	-48
1990	239,657	89,353	37	(13,185)	(6)	(76,168)	-32	-81,846	-54	-58,356	-52	-23,741	-44
1991	116,428	31,495	27	(13,175)	(11)	(18,320)	-16	-66,119	-44	-58,676	-47	-23,422	-40
1992	68,157	63,179	93	(5,373)	(8)	(57,806)	-85	-50,765	-36	-64,333	-50	-25,332	-43
1993	115,795	51,807	45	(3,603)	(3)	(48,204)	-42	-41,443	-41	-60,873	-48	-26,536	-43
1994	277,414	58,522	21	(6,225)	(2)	(52,297)	-19	-52,769	-34	-50,559	-31	-27,824	-38
1995	76,854	56,825	74	(32,779)	(43)	(24,046)	-31	-41,516	-26	-40,135	-31	-27,644	-38
1996	79,746	73,532	92	(97,086)	(122)	23,554	30	-17,596	-12	-31,760	-26	-25,317	-35
1997	240,146	68,441	28	(244,680)	(102)	176,239	73	58,582	44	15,049	10	-16,554	-21
1998	115,424	74,650	65	(130,654)	(113)	56,004	49	85,266	59	35,891	23	-13,530	-17
1999	100,945	108,257	107	(117,328)	(116)	9,071	9	80,438	53	48,164	39	-12,626	-15
2000	258,873	223,282	86	(435,511)	(168)	212,229	82	92,435	58	95,419	60	-3,978	-4
2001	46,521	282,139	606	(60,201)	(129)	(221,938)	-477	-213	0	46,321	30	-12,051	-14
2002	323,176	415,944	129	(9,822)	(3)	(406,122)	-126	-138,610	-66	-70,151	-42	-26,125	-27
2003	447,604	278,019	62	(129,107)	(29)	(148,912)	-33	-258,991	-95	-111,134	-47	-30,359	-28
2004	253,171	175,156	69	(1,230)	(0)	(173,926)	-69	-242,987	-71	-147,734	-56	-35,144	-31
2005	1,115,066	393,777	35	0	0	(393,777)	-35	-238,872	-39	-268,935	-62	-46,713	-32
2006	1,513,766	898,381	59	0	0	(898,381)	-59	-488,695	-51	-404,224	-55	-73,328	-39
2007	229,405	378,661	165	0	0	(378,661)	-165	-556,940	-58	-398,731	-56	-82,580	-44
2008	701,579	419,393	60	(9,565)	(1)	(409,828)	-58	-562,290	-69	-450,915	-59	-92,205	-45
2009	464,510	898,331	193	(10,346)	(2)	(887,984)	-191	-558,824	-120	-593,726	-74	-114,942	-54
2010	1,303,168	1,819,703	140	(11,360)	(1)	(1,808,344)	-139	-1,035,385	-126	-876,640	-104	-161,981	-67
2011	695,293	1,199,740	173	(10,887)	(2)	(1,188,853)	-171	-1,295,060	-158	-934,734	-138	-189,734	-75
2012	1,141,715	809,234	71	(6,213)	(1)	(803,021)	-70	-1,266,739	-121	-1,019,606	-118	-205,873	-74
2013	1,536,038	599,196	39	(7,306)	(0)	(591,890)	-39	-861,255	-77	-1,056,019	-103	-215,771	-70
2014	502,480	672,398	134	(2,112)	(0)	(670,287)	-133	-688,399	-65	-1,012,479	-98	-227,134	-72
2015	747,434	762,697	102	(2,103)	(0)	(760,594)	-102	-674,257	-73	-802,929	-87	-240,145	-74

**Indiana American Water Company**  
**ACCOUNT 331.01 - MAINS - TRANSMISSION AND DISTRIBUTION**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2016	1,530,648	1,260,836	82	(686)	(0)	(1,260,149)	-82	-897,010	-97	-817,188	-75	-264,431	-75
2017	3,599,468	1,032,404	29	(13,985)	(0)	(1,018,419)	-28	-1,013,054	-52	-860,268	-54	-281,965	-66
2018	1,930,525	1,935,471	100	(63,056)	(3)	(1,872,415)	-97	-1,383,661	-59	-1,116,373	-67	-318,112	-69
2019	2,275,798	3,831,045	168	(10,224)	(0)	(3,820,821)	-168	-2,237,218	-86	-1,746,479	-87	-395,950	-79
2020	4,802,524	1,963,224	41	(3,965)	(0)	(1,959,259)	-41	-2,550,831	-85	-1,986,213	-70	-429,935	-72
2021	(445,226)	2,142,309	(481)	(12,546)	3	(2,129,763)	478	-2,636,614	-119	-2,160,135	-89	-466,102	-81
2022	(833,948)	4,202,164	(504)	(15,894)	2	(4,186,270)	502	-2,758,431	-235	-2,793,705	-181	-543,605	-100
<b>TOTAL</b>	<b>26,202,384</b>	<b>27,705,853</b>	<b>105.74</b>	<b>-1,612,812</b>	<b>(6.16)</b>	<b>-26,093,040</b>	<b>(99.58)</b>						

**Indiana American Water Company**  
**ACCOUNT 333 - SERVICES**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1975	5,302	17,121	323	(811)	(15)	(16,310)	-308					-16,310	-308
1976	3,283	27,833	848	(3,921)	(119)	(23,912)	-728					-20,111	-469
1977	7,071	105,741	1,495	(280)	(4)	(105,461)	-1,491	-48,561	-931			-36,308	-931
1978	3,840	36,852	960	(995)	(26)	(35,858)	-934	-55,077	-1,164			-45,385	-931
1979	2,954	54,407	1,842	(1,079)	(37)	(53,328)	-1,805	-64,882	-1,404	-46,974	-1,046	-39,501	-947
1980	8,028	67,953	846	(362)	(5)	(67,590)	-842	-52,259	-1,058	-57,230	-1,137	-50,410	-992
1981	7,050	54,260	770	(1,207)	(17)	(53,053)	-753	-57,990	-965	-63,058	-1,089	-50,787	-947
1982	6,729	(17,418)	(259)	(855)	(13)	18,273	272	-34,123	-469	-38,311	-670	-42,155	-762
1983	12,972	74,007	571	(3,995)	(31)	(70,011)	-540	-34,930	-392	-45,142	-598	-45,250	-712
1984	30,829	85,807	278	(518)	(2)	(85,289)	-277	-45,676	-271	-51,534	-393	-49,254	-559
1985	28,500	80,770	283	(121)	(0)	(80,649)	-283	-78,650	-326	-54,146	-315	-52,108	-492
1986	33,596	105,193	313	284	1	(105,477)	-314	-90,471	-292	-64,631	-287	-56,555	-452
1987	41,578	108,241	260	(914)	(2)	(107,327)	-258	-97,818	-283	-89,751	-304	-60,461	-410
1988	40,135	89,449	223	(1,593)	(4)	(87,856)	-219	-100,220	-261	-93,320	-267	-62,418	-377
1989	64,576	99,123	153	224	0	(99,347)	-154	-98,177	-201	-96,131	-231	-64,880	-328
1990	79,968	108,105	135	(230)	(0)	(107,875)	-135	-98,359	-160	-101,576	-195	-67,567	-287
1991	69,117	116,681	169	(194)	(0)	(116,487)	-169	-107,903	-152	-103,778	-176	-70,445	-269
1992	194,034	363,601	187	(1,000)	(1)	(362,601)	-187	-195,654	-171	-154,833	-173	-86,675	-244
1993	79,001	286,004	362	(356)	(0)	(285,648)	-362	-254,912	-224	-194,392	-200	-97,148	-257
1994	36,686	412,162	1,123	(267)	(1)	(411,895)	-1,123	-353,381	-342	-256,901	-280	-112,885	-299
1995	57,437	325,265	566	(479)	(1)	(324,786)	-565	-340,776	-591	-300,283	-344	-122,976	-318
1996	67,939	390,217	574	(2,866)	(4)	(387,351)	-570	-374,677	-694	-354,456	-407	-134,993	-337
1997	137,601	477,831	347	(346)	(0)	(477,485)	-347	-396,541	-452	-377,433	-498	-149,884	-339
1998	87,680	511,669	584	199	0	(511,868)	-584	-458,901	-470	-422,677	-546	-164,966	-358
1999	69,650	496,817	713	(2,400)	(3)	(494,417)	-710	-494,590	-503	-439,181	-522	-178,144	-379
2000	143,703	634,322	441	(3,861)	(3)	(630,461)	-439	-545,582	-544	-500,316	-494	-195,541	-385
2001	69,035	636,984	923	(273)	(0)	(636,711)	-922	-587,196	-624	-550,188	-542	-211,881	-412
2002	148,269	501,211	338	0	0	(501,211)	-338	-589,461	-490	-554,934	-535	-222,214	-405
2003	42,399	237,962	561	0	0	(237,962)	-561	-458,628	-530	-500,152	-529	-222,757	-409
2004	54,308	218,529	402	0	0	(218,529)	-402	-319,234	-391	-444,975	-486	-222,616	-409
2005	18,662	404,577	2,168	0	0	(404,577)	-2,168	-287,023	-746	-399,798	-601	-242,918	-384
2006	4,354	1,072,179	24,626	0	0	(1,072,179)	-24,626	-565,095	-2,192	-486,892	-908	-288,676	-397
2007	182,991	363,799	199	0	0	(363,799)	-199	-613,519	-893	-459,409	-759	-258,153	-463
2008	499,544	469,999	94	(1,079)	(0)	(468,920)	-94	-634,966	-277	-505,601	-333	-264,352	-384
2009	214,867	1,358,725	632	(7,939)	(4)	(1,350,787)	-629	-727,835	-243	-732,052	-398	-295,393	-405
2010	352,331	1,209,120	343	(834)	(0)	(1,208,286)	-343	-1,009,331	-284	-892,794	-356	-320,751	-397
2011	164,774	1,064,993	646	(2,502)	(2)	(1,062,490)	-645	-1,207,188	-495	-890,856	-315	-340,798	-411
2012	217,038	905,136	417	(8,376)	(4)	(896,760)	-413	-1,055,845	-431	-997,448	-344	-355,428	-411
2013	215,090	1,094,505	509	(4,961)	(2)	(1,089,544)	-507	-1,016,265	-511	-1,121,573	-482	-374,252	-417
2014	238,411	1,280,505	537	(12,376)	(5)	(1,268,129)	-532	-1,084,811	-485	-1,105,042	-465	-396,599	-424
2015	371,486	1,345,869	362	(7,345)	(2)	(1,338,525)	-360	-1,232,066	-448	-1,131,090	-469	-419,573	-418

**Indiana American Water Company**  
**ACCOUNT 333 - SERVICES**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2016	599,285	2,072,245	346	(92,249)	(15)	(1,979,997)	-330	-1,528,883	-379	-1,314,591	-400	-456,726	-407
2017	685,413	1,323,461	193	(1,269)	(0)	(1,322,192)	-193	-1,546,904	-280	-1,399,677	-332	-476,853	-380
2018	564,786	1,768,170	313	(1,508)	(0)	(1,766,662)	-313	-1,689,617	-274	-1,535,101	-312	-506,167	-374
2019	1,511,071	3,393,018	225	(33,685)	(2)	(3,359,333)	-222	-2,149,396	-234	-1,953,342	-262	-569,570	-343
2020	2,423,425	3,316,285	137	(1,234)	(0)	(3,315,051)	-137	-2,813,682	-188	-2,348,647	-203	-629,255	-292
2021	(437,787)	4,076,436	(931)	(2,810)	1	(4,073,626)	931	-3,582,670	-307	-2,767,373	-291	-702,539	-349
2022	1,582,166	6,344,514	401	(6,258)	(0)	(6,338,256)	-401	-4,575,645	-385	-3,770,586	-334	-819,950	-356
<b>TOTAL</b>	<b>11,041,175</b>	<b>39,570,235</b>	<b>358.39</b>	<b>-212,640</b>	<b>(1.93)</b>	<b>-39,357,595</b>	<b>(356.46)</b>						

**Indiana American Water Company**  
**ACCOUNTS 334.1 - 334.131 - METERS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1982	(4,890)	1,080	(22)	(11,661)	238	10,581	-216					7,174	10
1983	121,181	1,066	1	(16,505)	(14)	15,439	13					13,010	22
1984	172,192	3,605	2	(20,015)	(12)	16,410	10	14,143	15			14,143	15
1985	175,987	3,419	2	(15,879)	(9)	12,460	7	14,770	9			13,723	12
1986	163,221	2,353	1	(12,032)	(7)	9,679	6	12,850	8	12,914	10	12,914	10
1987	216,700	2,580	1	(11,936)	(6)	9,356	4	10,498	6	12,669	7	12,321	9
1988	183,261	2,158	1	(11,107)	(6)	8,949	5	9,328	5	11,371	6	11,839	8
1989	194,223	2,689	1	(8,780)	(5)	6,091	3	8,132	4	9,307	5	11,121	7
1990	214,242	4,439	2	(10,194)	(5)	5,755	3	6,932	4	7,966	4	10,524	7
1991	182,559	1,131	1	(8,125)	(4)	6,994	4	6,280	3	7,429	4	10,171	6
1992	164,874	1,839	1	(5,879)	(4)	4,040	2	5,596	3	6,366	3	9,614	6
1993	182,032	2,223	1	(12,929)	(7)	10,706	6	7,247	4	6,717	4	9,705	6
1994	101,710	4,967	5	(9,217)	(9)	4,250	4	6,332	4	6,349	4	9,285	6
1995	198,085	2,425	1	(2,395)	(1)	(30)	0	4,975	3	5,192	3	8,620	5
1996	469,271	(124)	(0)	(79,421)	(17)	79,545	17	27,922	11	19,702	9	13,348	7
1997	837,822	1,531	0	(23,253)	(3)	21,722	3	33,746	7	23,239	6	13,872	6
1998	547,936	270	0	(7,854)	(1)	7,584	1	36,284	6	22,614	5	13,502	6
1999	450,807		0	0	0	0	0	9,769	2	21,764	4	13,502	5
2000	698,636	17,175	2	(22,970)	(3)	5,795	1	4,460	1	22,929	4	13,074	4
2001	909,161	5,324	1	(21,050)	(2)	15,726	2	7,174	1	10,165	1	13,213	4
2002	1,015,849		0	(8,305)	(1)	8,305	1	9,942	1	7,482	1	12,968	4
2003	209,969	7,416	4	(13,191)	(6)	5,775	3	9,935	1	7,120	1	12,625	4
2004	78,775	11,943	15	(5,937)	(8)	(6,006)	-8	2,691	1	5,919	1	11,778	3
2005	599,777	81,607	14	(19,374)	(3)	(62,233)	-10	-20,821	-7	-7,687	-1	8,561	2
2006	192,898	112,278	58	0	0	(112,278)	-58	-60,172	-21	-33,287	-8	33	0
2007	303,283	35,292	12	(43,588)	(14)	8,296	3	-55,405	-15	-33,289	-12	3,716	1
2008	2,604,373	96,242	4	(4,248)	(0)	(91,994)	-4	-65,325	-6	-52,843	-7	35	0
2009	1,308,429	720,091	55	(95,908)	(7)	(624,183)	-48	-235,960	-17	-176,478	-18	-23,084	-5
2010	515,816	213,490	41	(190,943)	(37)	(22,547)	-4	-246,241	-17	-168,541	-17	-23,065	-5
2011	1,076,077	445,401	41	(41,190)	(4)	(404,211)	-38	-350,314	-36	-226,928	-20	-36,208	-7
2012	3,021,088	883,077	29	(175,285)	(6)	(707,792)	-23	-378,183	-25	-370,145	-22	-58,594	-10
2013	1,179,325	470,495	40	(115,564)	(10)	(354,931)	-30	-488,978	-28	-422,733	-30	-68,153	-12
2014	1,490,940	845,214	57	(61,402)	(4)	(783,812)	-53	-615,512	-32	-454,659	-31	-100,710	-16
2015	1,440,294	581,420	40	(53,841)	(4)	(527,579)	-37	-555,441	-41	-555,665	-34	-103,762	-16
2016	1,090,110	616,932	57	(114,389)	(10)	(502,543)	-46	-604,645	-45	-575,331	-35	-115,491	-18
2017	726,651	483,734	67	(51,636)	(7)	(432,098)	-59	-487,407	-45	-520,193	-44	-145,674	-21
2018	1,693,698	318,167	19	(43,772)	(3)	(274,395)	-16	-403,012	-34	-504,085	-39	-128,699	-19
2019	1,885,862	779,214	41	(41,093)	(2)	(738,121)	-39	-481,538	-34	-494,947	-36	-145,170	-20
2020	2,348,116	651,230	28	(49,911)	(2)	(601,320)	-26	-537,945	-27	-509,695	-33	-157,174	-21
2021	1,337,725	570,748	43	(41,254)	(3)	(529,495)	-40	-622,978	-34	-515,086	-32	-166,721	-21
2022	2,631,769	979,459	37	(60,504)	(2)	(918,955)	-35	-683,257	-32	-612,457	-31	-185,527	-23



**Indiana American Water Company**  
**ACCOUNTS 334.1 - 334.131 - METERS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
TOTAL	32,929,832	8,963,601	27.22	-1,542,537	(4.68)	-7,421,064	(22.54)						

**Indiana American Water Company**  
**ACCOUNT 334.2 - METER INSTALLATIONS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1975	3,891	7,289	187	(1,482)	(38)	(5,806)	-149					-5,806	-149
1976	2,798	3,849	138	(1,248)	(45)	(2,601)	-93					-4,204	-126
1977	3,521	9,378	266	(107)	(3)	(9,271)	-263	-5,893	-173			-5,893	-173
1978	4,398	7,884	179	(433)	(10)	(7,452)	-169	-6,441	-180			-6,283	-172
1979	3,071	17,654	575	(1,736)	(57)	(15,918)	-518	-10,880	-297	-8,210	-232	-8,282	-219
1980	9,871	14,875	151	(1,795)	(18)	(13,080)	-133	-12,150	-210	-9,664	-204	-9,021	-196
1981	6,662	23,224	349	(2,411)	(36)	(20,813)	-312	-16,604	-254	-13,307	-242	-10,706	-219
1982	7,436	20,722	279	(4,557)	(61)	(16,166)	-217	-16,686	-209	-14,686	-234	-11,388	-219
1983	13,302	32,182	242	(5,676)	(43)	(26,506)	-199	-21,162	-232	-18,497	-229	-13,068	-214
1984	23,608	39,543	167	(6,970)	(30)	(32,573)	-138	-25,082	-170	-21,827	-179	-15,019	-191
1985	20,667	30,703	149	(5,603)	(27)	(25,100)	-121	-28,060	-146	-24,232	-169	-15,935	-177
1986	25,921	30,450	117	(4,231)	(16)	(26,219)	-101	-27,964	-120	-25,313	-139	-16,792	-161
1987	31,057	27,198	88	(5,462)	(18)	(21,736)	-70	-24,352	-94	-26,427	-115	-17,172	-143
1988	39,744	26,030	65	(6,383)	(16)	(19,647)	-49	-22,534	-70	-25,055	-89	-17,349	-124
1989	91,731	19,568	21	(6,748)	(7)	(12,820)	-14	-18,068	-33	-21,104	-50	-17,047	-89
1990	39,275	19,957	51	(3,769)	(10)	(16,188)	-41	-16,218	-28	-19,322	-42	-16,993	-83
1991	173,172	24,549	14	(3,758)	(2)	(20,791)	-12	-16,600	-16	-18,236	-24	-17,217	-59
1992	72,370	29,470	41	(4,590)	(6)	(24,880)	-34	-20,620	-22	-18,865	-23	-17,643	-55
1993	51,765	30,633	59	(4,717)	(9)	(25,916)	-50	-23,862	-24	-20,119	-23	-18,078	-55
1994	33,146	25,005	75	(4,647)	(14)	(20,358)	-61	-23,718	-45	-21,627	-29	-18,192	-55
1995	20,838	22,884	110	(6,741)	(32)	(16,143)	-77	-20,806	-59	-21,618	-31	-18,094	-56
1996	26,893	58,576	218	(4,304)	(16)	(54,272)	-202	-30,258	-112	-28,314	-69	-19,739	-62
1997	115,258	128,767	112	(342)	(0)	(128,425)	-111	-66,280	-122	-49,023	-99	-24,464	-69
1998	43,824	92,008	210	179	0	(92,187)	-210	-91,628	-148	-62,277	-130	-27,286	-76
1999	114,007	65,676	58	(10,533)	(9)	(55,143)	-48	-91,918	-101	-69,234	-108	-28,400	-73
2000	31,588	54,490	172	(6,633)	(21)	(47,857)	-152	-65,062	-103	-75,577	-114	-29,149	-75
2001	36,686	82,660	225	(400)	(1)	(82,260)	-224	-61,753	-102	-81,174	-119	-31,116	-80
2002	49,679	169,695	342	0	0	(169,695)	-342	-99,937	-254	-89,428	-162	-36,065	-97
2003	15,923	45,359	285	0	0	(45,359)	-285	-99,105	-291	-80,063	-161	-36,386	-95
2004	26,396	69,670	264	0	0	(69,670)	-264	-94,908	-309	-82,968	-259	-37,495	-99
2005			0	0	0	0	0	-38,343	-272	-73,397	-285	-37,495	-85
2006	266,284	225,095	85	0	0	(225,095)	-85	-98,255	-101	-101,964	-142	-43,547	-96
2007	88,799	65,997	74	0	0	(65,997)	-74	-97,031	-82	-81,224	-102	-44,248	-95
2008	43,382	60,331	139	(955)	(2)	(59,376)	-137	-116,823	-88	-84,028	-99	-44,707	-96
2009	98,014	207,363	212	(5,336)	(5)	(202,027)	-206	-109,133	-142	-110,499	-111	-49,334	-103
2010	160,181	249,212	156	(9,747)	(6)	(239,465)	-149	-166,956	-166	-158,392	-121	-54,766	-107
2011	51,772	207,388	401	(13,023)	(25)	(194,365)	-375	-211,952	-205	-152,246	-172	-58,644	-108
2012	442,297	219,569	50	(27,262)	(6)	(192,308)	-43	-208,712	-96	-177,508	-112	-62,256	-101
2013	(113,797)	223,790	(197)	(55,064)	48	(168,727)	148	-185,133	-146	-199,378	-156	-65,058	-93
2014	250,556	307,386	123	(25,770)	(10)	(281,616)	-112	-214,217	-111	-215,296	-136	-70,611	-114
2015	520,340	256,811	49	(22,621)	(4)	(234,190)	-45	-228,178	-104	-214,241	-93	-74,700	-101

**Indiana American Water Company**  
**ACCOUNT 334.2 - METER INSTALLATIONS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2016	292,438	340,509	116	(50,428)	(17)	(290,081)	-99	-268,629	-76	-233,384	-84	-79,954	-101
2017	421,663	420,288	100	(31,324)	(7)	(388,964)	-92	-304,411	-74	-272,715	-99	-87,311	-100
2018	1,029,776	498,066	48	(7,502)	(1)	(490,564)	-48	-389,870	-67	-337,083	-67	-96,689	-89
2019	1,166,403	2,048,985	176	(44,748)	(4)	(2,004,237)	-172	-961,255	-110	-681,607	-99	-140,042	-105
2020	2,052,347	1,899,758	93	(31,352)	(2)	(1,868,407)	-91	-1,454,403	-103	-1,008,450	-102	-178,450	-102
2021	(295,024)	1,102,891	(374)	(30,769)	10	(1,072,122)	363	-1,648,255	-169	-1,164,859	-133	-197,878	-67
2022	86,211	1,681,650	1,951	(25,022)	(29)	(1,656,628)	-1,922	-1,532,386	-249	-1,418,392	-176	-228,915	-82
<b>TOTAL</b>	<b>7,700,139</b>	<b>11,245,040</b>	<b>146.04</b>	<b>-486,020</b>	<b>(6.31)</b>	<b>-10,759,020</b>	<b>(139.73)</b>						

**Indiana American Water Company**  
**ACCOUNT 334.3 - METER VAULTS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2007		44	0	0	0	(44)	0					-44	
2008		24,103	0	(490)	0	(23,613)	0					-11,829	
2009	2,247	30,803	1,371	(938)	(42)	(29,866)	-1,329	-17,841	-2,382			-17,841	-2,382
2010		54,081	0	(1,883)	0	(52,198)	0	-35,226	-4,703			-26,430	-4,705
2011	54,939	204,129	372	(11,640)	(21)	(192,489)	-350	-91,518	-480	-59,642	-521	-59,642	-521
2012	25,616	50,780	198	(11,889)	(46)	(38,891)	-152	-94,526	-352	-67,411	-407	-56,184	-407
2013	112,032	69,912	62	(16,440)	(15)	(53,472)	-48	-94,951	-148	-73,383	-188	-55,796	-200
2014	71,822	83,523	116	(5,195)	(7)	(78,328)	-109	-56,897	-81	-83,076	-157	-58,613	-176
2015	196,915	143,586	73	(10,373)	(5)	(133,213)	-68	-88,338	-70	-99,279	-108	-66,902	-130
2016	629,430	525,356	83	(103,230)	(16)	(422,126)	-67	-211,223	-71	-145,206	-70	-102,424	-94
2017	240,059	1,064,104	443	(35,115)	(15)	(1,028,988)	-429	-528,109	-149	-343,226	-137	-186,657	-154
2018	255,030	2,123,990	833	106,284	42	(2,230,273)	-875	-1,227,129	-327	-778,586	-279	-356,959	-270
2019	23,941	1,603,740	6,699	(19,998)	(84)	(1,583,742)	-6,615	-1,614,335	-933	-1,079,669	-401	-451,327	-364
2020	482,354	761,801	158	(15,188)	(3)	(746,613)	-155	-1,520,210	-599	-1,202,349	-369	-472,418	-316
2021	476,387	371,112	78	(15,345)	(3)	(355,767)	-75	-895,374	-273	-1,189,077	-402	-464,642	-271
2022	366,453	306,764	84	(7,828)	(2)	(298,937)	-82	-467,106	-106	-1,043,066	-325	-454,285	-247
<b>TOTAL</b>	<b>2,937,226</b>	<b>7,417,829</b>	<b>252.55</b>	<b>-149,268</b>	<b>(5.08)</b>	<b>-7,268,561</b>	<b>(247.46)</b>						

**Indiana American Water Company**  
**ACCOUNT 335 - FIRE HYDRANTS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1975	7,224	9,295	129	(14,186)	(196)	4,891	68					4,891	145
1976	2,909	7,445	256	(9,685)	(333)	2,240	77					3,566	89
1977	4,869	22,225	457	(4,117)	(85)	(18,108)	-372	-3,659	-73			-3,659	-76
1978	9,075	15,965	176	(5,201)	(57)	(10,765)	-119	-8,878	-158			-5,435	-90
1979	5,005	11,733	234	(4,624)	(92)	(7,109)	-142	-11,994	-190	-5,770	-99	-5,770	-99
1980	6,781	21,420	316	(8,236)	(121)	(13,184)	-194	-10,353	-149	-9,385	-164	-7,006	-117
1981	8,109	21,410	264	(9,743)	(120)	(11,668)	-144	-10,654	-161	-12,167	-180	-7,672	-122
1982	8,011	17,866	223	(6,520)	(81)	(11,346)	-142	-12,066	-158	-10,814	-146	-8,131	-125
1983	17,064	42,448	249	(11,843)	(69)	(30,605)	-179	-17,873	-162	-14,782	-164	-10,628	-139
1984	37,363	30,862	83	(10,352)	(28)	(20,509)	-55	-20,820	-100	-17,462	-113	-11,616	-109
1985	29,696	29,986	101	(11,485)	(39)	(18,501)	-62	-23,205	-83	-18,526	-92	-12,242	-99
1986	33,459	18,969	57	(8,157)	(24)	(10,812)	-32	-16,607	-50	-18,355	-73	-12,123	-86
1987	26,709	17,915	67	(10,207)	(38)	(7,708)	-29	-12,340	-41	-17,627	-61	-11,783	-78
1988	25,926	20,849	80	(8,856)	(34)	(11,993)	-46	-10,171	-35	-13,905	-45	-11,798	-74
1989	30,140	28,809	96	(4,006)	(13)	(24,803)	-82	-14,835	-54	-14,763	-51	-12,665	-75
1990	33,883	11,395	34	(10,326)	(30)	(1,069)	-3	-12,622	-42	-11,277	-38	-11,941	-67
1991	33,679	9,179	27	(5,715)	(17)	(3,464)	-10	-9,779	-30	-9,807	-33	-11,442	-61
1992	20,594	13,502	66	(6,324)	(31)	(7,178)	-35	-3,904	-13	-9,701	-34	-11,205	-59
1993	30,412	8,251	27	(15,704)	(52)	7,453	25	-1,063	-4	-5,812	-20	-10,223	-52
1994	46,118	4,546	10	(1,489)	(3)	(3,057)	-7	-927	-3	-1,463	-4	-9,865	-47
1995	36,380	10,352	28	(6,716)	(18)	(3,636)	-10	253	1	-1,976	-6	-9,568	-44
1996	34,378	19,688	57	(11,284)	(33)	(8,404)	-24	-5,032	-13	-2,964	-9	-9,515	-43
1997	49,884	24,307	49	(6,652)	(13)	(17,655)	-35	-9,898	-25	-5,060	-13	-9,869	-42
1998	55,676	35,908	64	(6,199)	(11)	(29,709)	-53	-18,589	-40	-12,492	-28	-10,696	-43
1999	56,851	66,959	118	(18,528)	(33)	(48,431)	-85	-31,932	-59	-21,567	-46	-12,205	-47
2000	70,786	61,038	86	(9,410)	(13)	(51,628)	-73	-43,256	-71	-31,165	-58	-13,721	-49
2001	42,386	63,933	151	(2,254)	(5)	(61,679)	-146	-53,913	-95	-41,820	-76	-15,498	-55
2002	93,936	62,565	67	(959)	(1)	(61,606)	-66	-58,304	-84	-50,611	-79	-17,144	-56
2003	31,675	41,735	132	0	0	(41,735)	-132	-55,007	-98	-53,016	-90	-17,992	-59
2004	60,954	47,023	77	0	0	(47,023)	-77	-50,121	-81	-52,734	-88	-18,960	-60
2005	18,097	105,004	580	0	0	(105,004)	-580	-64,587	-175	-63,409	-128	-21,736	-46
2006	517,730	293,515	57	0	0	(293,515)	-57	-148,514	-75	-109,777	-76	-30,229	-65
2007	111,587	72,104	65	0	0	(72,104)	-65	-156,874	-73	-111,876	-76	-31,498	-65
2008	167,010	204,412	122	(2,553)	(2)	(201,859)	-121	-189,159	-71	-143,901	-82	-36,508	-70
2009	86,436	364,827	422	(2,824)	(3)	(362,003)	-419	-211,989	-174	-206,897	-115	-45,808	-82
2010	201,055	471,204	234	(4,977)	(2)	(466,227)	-232	-343,363	-227	-279,142	-129	-57,486	-101
2011	162,786	377,690	232	(7,411)	(5)	(370,279)	-227	-399,503	-266	-294,494	-202	-65,940	-110
2012	82,593	265,761	322	(3,165)	(4)	(262,596)	-318	-366,367	-246	-332,593	-238	-71,115	-118
2013	127,564	433,579	340	(5,904)	(5)	(427,675)	-335	-353,517	-284	-377,756	-286	-80,258	-129
2014	85,909	352,081	410	(4,892)	(6)	(347,190)	-404	-345,820	-350	-374,793	-284	-86,931	-133
2015	127,155	399,221	314	(2,686)	(2)	(396,535)	-312	-390,467	-344	-360,855	-308	-94,483	-147

**Indiana American Water Company**  
**ACCOUNT 335 - FIRE HYDRANTS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2016	229,544	581,911	254	(431)	(0)	(581,480)	-253	-441,735	-299	-403,095	-309	-106,078	-155
2017	314,769	648,681	206	(6,276)	(2)	(642,405)	-204	-540,140	-241	-479,057	-271	-118,551	-160
2018	373,377	749,656	201	(18,111)	(5)	(731,545)	-196	-651,810	-213	-539,831	-239	-132,482	-164
2019	692,456	944,221	136	(3,639)	(1)	(940,582)	-136	-771,511	-168	-658,509	-190	-150,440	-159
2020	1,843,087	1,560,055	85	(10,108)	(1)	(1,549,946)	-84	-1,074,024	-111	-889,192	-129	-180,864	-137
2021	(375,693)	1,170,468	(312)	(14,545)	4	(1,155,923)	308	-1,215,484	-169	-1,004,080	-176	-201,610	-83
2022	687,910	1,506,800	219	(1,755)	(0)	(1,505,045)	-219	-1,403,638	-195	-1,176,608	-183	-228,765	-171
<b>TOTAL</b>	<b>6,403,305</b>	<b>11,298,767</b>	<b>176.45</b>	<b>-318,054</b>	<b>(4.97)</b>	<b>-10,980,713</b>	<b>(171.49)</b>						

**Indiana American Water Company**  
**ACCOUNT 341.1 - LIGHT TRUCKS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1979	80		0	(30)	(38)	30	38					30	38
1980			0	(1,994)	0	1,994	0					1,012	2,530
1981			0	(350)	0	350	0	791	2,967			791	2,967
1982			0	(13,254)	0	13,254	0	5,199	0			3,907	19,534
1983	32,326	332	1	(16,793)	(52)	16,461	51	10,022	93	6,418	99	6,418	99
1984	53,190	178	0	(8,518)	(16)	8,340	16	12,685	45	8,080	47	6,738	47
1985	87,991	772	1	(25,326)	(29)	24,553	28	16,452	28	12,592	36	9,283	37
1986	121,864	740	1	(22,960)	(19)	22,220	18	18,371	21	16,966	29	10,900	30
1987	117,559	434	0	(22,100)	(19)	21,666	18	22,813	21	18,648	23	12,097	26
1988	151,504	1,741	1	(35,330)	(23)	33,589	22	25,825	20	22,074	21	14,246	25
1989	80,697	396	0	(22,175)	(27)	21,779	27	25,678	22	24,762	22	14,931	25
1990	91,627	306	0	(23,800)	(26)	23,494	26	26,287	24	24,550	22	15,644	25
1991	148,307	1,042	1	(42,125)	(28)	41,083	28	28,785	27	28,322	24	17,601	26
1992	192,037	923	0	(47,200)	(25)	46,277	24	36,951	26	33,244	25	19,649	26
1993	141,175	1,087	1	(35,685)	(25)	34,598	25	40,653	25	33,446	26	20,646	25
1994	35,133		0	(16,794)	(48)	16,794	48	32,556	27	32,449	27	20,405	26
1995	127,940	1,074	1	(21,620)	(17)	20,546	16	23,979	24	31,860	25	20,413	25
1996	40,673	415	1	(13,018)	(32)	12,603	31	16,648	25	26,164	24	19,980	25
1997	96,917	1,833	2	(13,650)	(14)	11,817	12	14,989	17	19,272	22	19,550	24
1998	85,117	245	0	(14,321)	(17)	14,076	17	12,832	17	15,167	20	19,276	24
1999	199,287	410	0	(15,192)	(8)	14,782	7	13,558	11	14,765	13	19,062	22
2000	87,489	497	1	(18,373)	(21)	17,876	20	15,578	13	14,231	14	19,008	22
2001	71,960	140	0	(25,055)	(35)	24,915	35	19,191	16	16,693	15	19,265	23
2002	274,775		0	(27,451)	(10)	27,451	10	23,414	16	19,820	14	19,606	21
2003	22,959		0	(20,708)	(90)	20,708	90	24,358	20	21,146	16	19,650	22
2004	15,241		0	0	0	0	0	16,053	15	18,190	19	19,650	22
2005	263,800		0	(6,431)	(2)	6,431	2	9,046	9	15,901	12	19,142	20
2006	216,922		0	(56,491)	(26)	56,491	26	20,974	13	22,216	14	20,525	20
2007	433,847		0	(7,380)	(2)	7,380	2	23,434	8	18,202	10	20,056	18
2008	610,321	0	0	(40,262)	(7)	40,262	7	34,711	8	22,113	7	20,752	16
2009	881,627		0	(6,050)	(1)	6,050	1	17,897	3	23,323	5	20,262	13
2010	339,795	197	0	(207,544)	(61)	207,347	61	84,553	14	63,506	13	26,297	16
2011			0	(5,970)	0	5,970	0	73,122	18	53,402	12	25,662	16
2012	21,891		0	(3,155)	(14)	3,155	14	72,158	60	52,557	14	24,980	16
2013	59,585		0	(13,991)	(23)	13,991	23	7,705	28	47,303	18	24,657	16
2014	62	74	118	0	0	(74)	-118	5,691	21	46,078	55	23,950	16
2015	463		0	0	0	0	0	4,639	23	4,608	28	23,950	16
2016	191,312		0	(39,989)	(21)	39,989	21	13,305	21	11,412	21	24,396	17
2017	7,251	822	11	0	0	(822)	-11	13,056	20	10,617	21	23,714	17
2018	6,225		0	6,225	100	(6,225)	-100	10,981	16	6,574	16	22,926	16
2019	121,626	259	0	36,939	30	(37,198)	-31	-14,748	-33	-851	-1	21,385	15

**Indiana American Water Company**  
**ACCOUNT 341.1 - LIGHT TRUCKS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2020	33,780		0	0	0	0	0	-14,474	-27	-851	-1	21,385	15
2021		958	0	(21,249)	0	20,292	0	-5,636	-11	-4,791	-14	21,357	16
2022	368,447		0	(67,017)	(18)	67,017	18	29,103	22	8,777	8	22,471	16
<b>TOTAL</b>	<b>5,832,804</b>	<b>14,874</b>	<b>0.26</b>	<b>-936,186</b>	<b>(16.05)</b>	<b>921,312</b>	<b>15.80</b>						



**Indiana American Water Company**  
**ACCOUNT 341.2 - HEAVY TRUCKS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1982			0	(50)	0	50	0					50	
1983			0	0	0	0	0					50	
1984	2,113		0	0	0	0	0	17	2			50	2
1985			0	0	0	0	0	0	0			50	2
1986			0	0	0	0	0	0	0	10	2	50	2
1987			0	0	0	0	0	0	0	0	0	50	2
1988			0	0	0	0	0	0	0	0	0	50	2
1989	1,840		0	0	0	0	0	0	0	0	0	50	1
1990	12,729		0	0	0	0	0	0	0	0	0	50	0
1991	28,162		0	(5,004)	(18)	5,004	18	1,668	12	1,001	12	2,527	11
1992	33,301	404	1	(10,243)	(31)	9,839	30	4,948	20	2,969	20	4,964	19
1993			0	0	0	0	0	4,948	24	2,969	20	4,964	19
1994			0	0	0	0	0	3,280	30	2,969	20	4,964	19
1995			0	0	0	0	0	0	0	2,969	24	4,964	19
1996		270	0	(36,295)	0	36,025	0	12,008	0	9,173	138	12,730	65
1997			0	(42,675)	0	42,675	0	26,233	0	15,740	0	18,719	120
1998	21,158	145	1	(2,372)	(11)	2,227	11	26,976	382	16,185	382	15,970	96
1999	20,126		0	(2,846)	(14)	2,846	14	15,916	116	16,755	203	14,095	83
2000			0	0	0	0	0	1,691	12	16,755	203	14,095	83
2001	21,914	136	1	(5,850)	(27)	5,714	26	2,853	20	10,692	85	13,048	74
2002	47,959		0	0	0	0	0	1,905	8	2,157	10	13,048	55
2003			0	0	0	0	0	1,905	8	1,712	10	13,048	55
2004			0	0	0	0	0	0	0	1,143	8	13,048	55
2005			0	0	0	0	0	0	0	1,143	8	13,048	55
2006	68,022		0	(8,355)	(12)	8,355	12	2,785	12	1,671	7	12,526	44
2007	101,088		0	(85)	(0)	85	0	2,813	5	1,688	5	11,282	31
2008	107,328		0	(23,123)	(22)	23,123	22	10,521	11	6,313	11	12,358	29
2009	345,918		0	(5,930)	(2)	5,930	2	9,713	5	7,499	6	11,823	17
2010	63,254		0	(63,947)	(101)	63,947	101	31,000	18	20,288	15	15,832	24
2011			0	0	0	0	0	23,292	17	18,617	15	15,832	24
2012			0	0	0	0	0	21,316	101	18,600	18	15,832	24
2013			0	(5,947)	0	5,947	0	1,982	0	15,165	19	15,126	24
2014			0	0	0	0	0	1,982	0	13,979	110	15,126	24
2015			0	0	0	0	0	1,982	0	1,189	0	15,126	24
2016	21,009		0	(10,978)	(52)	10,978	52	3,659	52	3,385	81	14,850	25
2017	28,068		0	(4,460)	(16)	4,460	16	5,146	31	4,277	44	14,200	25
2018	31,128		0	(8,250)	(27)	8,250	27	7,896	30	4,738	30	13,850	25
2019	130,618		0	(4,448)	(3)	4,448	3	5,719	9	5,627	13	13,328	22
2020	1,737		0	0	0	0	0	4,233	8	5,627	13	13,328	22
2021	56,158		0	0	0	0	0	1,483	2	3,432	7	13,328	21
2022			0	0	0	0	0	0	0	2,540	6	13,328	21

**Indiana American Water Company**  
**ACCOUNT 341.2 - HEAVY TRUCKS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
TOTAL	1,143,629	955	0.08	-240,858	(21.06)	239,903	20.98						

**Indiana American Water Company**  
**ACCOUNT 341.3 - AUTOS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1979		75	0	(6,476)	0	6,401	0					6,401	
1980			0	(4,850)	0	4,850	0					5,626	
1981			0	(5,975)	0	5,975	0	5,742	0			5,742	
1982	20,883	(151)	(1)	(7,282)	(35)	7,433	36	6,086	87			6,165	118
1983	5,178	104	2	(5,926)	(114)	5,822	112	6,410	74	6,096	117	6,096	117
1984	13,135	22	0	(2,510)	(19)	2,488	19	5,247	40	5,313	68	5,495	84
1985	90,782	87	0	(13,585)	(15)	13,498	15	7,269	20	7,043	27	6,638	36
1986	56,700	190	0	(13,772)	(24)	13,582	24	9,856	18	8,564	23	7,506	32
1987	80,705		0	(18,648)	(23)	18,648	23	15,243	20	10,808	22	8,744	29
1988	41,375	120	0	(8,975)	(22)	8,855	21	13,695	23	11,414	20	8,755	28
1989	92,826	158	0	(17,700)	(19)	17,542	19	15,015	21	14,425	20	9,554	26
1990	91,900	90	0	(9,108)	(10)	9,018	10	11,805	16	13,529	19	9,509	23
1991	42,719	297	1	(23,714)	(56)	23,417	55	16,659	22	15,496	22	10,579	26
1992	119,659	35	0	(24,500)	(20)	24,465	20	18,967	22	16,659	21	11,571	25
1993	63,987	28	0	(25,204)	(39)	25,176	39	24,353	32	19,924	24	12,478	26
1994	62,301		0	0	0	0	0	16,547	20	16,415	22	12,478	24
1995	49,687	28	0	(5,500)	(11)	5,472	11	10,216	17	15,706	23	12,040	23
1996	78,677		0	0	0	0	0	1,824	3	11,023	15	12,040	21
1997	126,413		0	0	0	0	0	1,824	2	6,130	8	12,040	19
1998	111,095	420	0	(44,609)	(40)	44,189	40	14,730	14	9,932	12	13,931	21
1999	45,846		0	(9,165)	(20)	9,165	20	17,785	19	11,765	14	13,666	21
2000	140,090	306	0	(26,431)	(19)	26,125	19	26,493	27	15,896	16	14,322	20
2001	25,729	60	0	(11,113)	(43)	11,053	43	15,448	22	18,106	20	14,159	21
2002	78,139		0	(3,000)	(4)	3,000	4	13,393	16	18,706	23	13,627	20
2003	19,365		0	(3,500)	(18)	3,500	18	5,851	14	10,569	17	13,167	20
2004			0	0	0	0	0	2,167	7	8,736	17	13,167	20
2005	53,867		0	(5,614)	(10)	5,614	10	3,038	12	4,633	13	12,839	20
2006	128,484		0	(23,360)	(18)	23,360	18	9,658	16	7,095	13	13,277	19
2007	141,751	130	0	(5,595)	(4)	5,465	4	11,480	11	7,588	11	12,964	18
2008	183,566		0	(12,948)	(7)	12,948	7	13,924	9	9,477	9	12,964	17
2009	53,207		0	(2,255)	(4)	2,255	4	6,889	5	9,928	9	12,567	17
2010	38,230		0	(23,801)	(62)	23,801	62	13,001	14	13,566	12	12,968	18
2011			0	(2,970)	0	2,970	0	9,675	32	9,488	11	12,624	18
2012			0	0	0	0	0	8,924	70	8,395	15	12,624	18
2013			0	0	0	0	0	990	0	5,805	32	12,624	18
2014			0	0	0	0	0	0	0	5,354	70	12,624	18
2015			0	0	0	0	0	0	0	594	0	12,624	18
2016	115,216		0	(71,266)	(62)	71,266	62	23,755	62	14,253	62	14,578	20
2017	24,846		0	(10,100)	(41)	10,100	41	27,122	58	16,273	58	14,434	20
2018			0	0	0	0	0	27,122	58	16,273	58	14,434	20
2019	135,250	2,965	2	(2,965)	(2)	0	0	3,367	6	16,273	30	14,434	19

**Indiana American Water Company**  
**ACCOUNT 341.3 - AUTOS**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2020	2,250		0	0	0	0	0	0	0	16,273	29	14,434	19
2021			0	0	0	0	0	0	0	2,020	6	14,434	19
2022	240,422		0	(248,871)	(104)	248,871	104	82,957	103	49,774	66	21,760	27
<b>TOTAL</b>	<b>2,574,282</b>	<b>4,965</b>	<b>0.19</b>	<b>-701,288</b>	<b>(27.24)</b>	<b>696,324</b>	<b>27.05</b>						

**Indiana American Water Company**  
**ACCOUNT 341.4 - OTHER**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1988	621		0	(77)	(12)	77	12					77	12
1989	5,521		0	(1,800)	(33)	1,800	33					939	31
1990			0	0	0	0	0	626	31			939	31
1991			0	0	0	0	0	600	33			939	31
1992			0	0	0	0	0	0	0	375	31	939	31
1993	7,828		0	(477)	(6)	477	6	159	6	455	17	785	17
1994			0	0	0	0	0	159	6	95	6	785	17
1995	890		0	0	0	0	0	159	5	95	5	785	16
1996			0	0	0	0	0	0	0	95	5	785	16
1997			0	0	0	0	0	0	0	95	5	785	16
1998	2,550		0	(382)	(15)	382	15	127	15	76	11	684	16
1999			0	0	0	0	0	127	15	76	11	684	16
2000	229,381		0	(27,526)	(12)	27,526	12	9,303	12	5,582	12	6,052	12
2001			0	(9,200)	0	9,200	0	12,242	16	7,422	16	6,577	16
2002	258,343	2,576	1	(24,453)	(9)	21,877	8	19,534	12	11,797	12	8,763	12
2003	(2,490)		0	0	0	0	0	10,359	12	11,721	12	8,763	12
2004	19,545		0	(2,432)	(12)	2,432	12	8,103	9	12,207	12	7,971	12
2005	161,217		0	(3,751)	(2)	3,751	2	2,061	3	7,452	9	7,502	10
2006	33,776		0	(16,090)	(48)	16,090	48	7,424	10	8,830	9	8,361	12
2007	92,092		0	0	0	0	0	6,614	7	4,455	7	8,361	10
2008	425,461		0	(21,772)	(5)	21,772	5	12,621	7	8,809	6	9,580	9
2009	505,257		0	(88,800)	(18)	88,800	18	36,857	11	26,083	11	16,182	11
2010	291,130		0	(96,213)	(33)	96,213	33	68,928	17	44,575	17	22,338	14
2011			0	0	0	0	0	61,671	23	41,357	16	22,338	14
2012	7,174		0	(599)	(8)	599	8	32,270	32	41,477	17	20,785	14
2013	36,175		0	(2,274)	(6)	2,274	6	957	7	37,577	22	19,551	14
2014	3,570	4,878	137	0	0	(4,878)	-137	-669	-4	18,841	28	18,024	14
2015	3,225	24	1	0	0	(24)	-1	-876	-6	-406	-4	16,963	14
2016			0	0	0	0	0	-1,634	-72	-406	-4	16,963	14
2017			0	0	0	0	0	-8	-1	-526	-6	16,963	14
2018			0	0	0	0	0	0	0	-980	-72	16,963	14
2019	52,024	5,199	10	0	0	(5,199)	-10	-1,733	-10	-1,045	-9	15,732	13
2020	151,509	(8)	(0)	0	0	8	0	-1,730	-3	-1,038	-3	14,904	12
2021	15,628		0	0	0	0	0	-1,730	-2	-1,038	-2	14,904	12
2022	90,817		0	0	0	0	0	3	0	-1,038	-2	14,904	12
<b>TOTAL</b>	<b>2,391,241</b>	<b>12,669</b>	<b>0.53</b>	<b>-295,845</b>	<b>(12.37)</b>	<b>283,176</b>	<b>11.84</b>						

**Indiana American Water Company**  
**ACCOUNT 345 - POWER OPERATED EQUIPMENT**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
1978			0	(8,000)	0	8,000	0					8,000	
1979			0	0	0	0	0					8,000	
1980			0	(400)	0	400	0	2,800	0			4,200	
1981	660		0	(20,980)	(3,179)	20,980	3,179	7,127	3,239			9,793	4,452
1982	2,937		0	(500)	(17)	500	17	7,293	608	5,976	831	7,470	831
1983	5,521		0	0	0	0	0	7,160	236	4,376	240	7,470	328
1984	1,902		0	(1,881)	(99)	1,881	99	794	23	4,752	216	6,352	288
1985	550		0	0	0	0	0	627	24	4,672	202	6,352	274
1986	46,489		0	0	0	0	0	627	4	476	4	6,352	55
1987	397		0	0	0	0	0	0	0	376	3	6,352	54
1988	56,573	30	0	(22,000)	(39)	21,970	39	7,323	21	4,770	23	8,955	47
1989	9,489		0	(2,800)	(30)	2,800	30	8,257	37	4,954	22	8,076	45
1990	15,620		0	(3,500)	(22)	3,500	22	9,423	35	5,654	22	7,504	43
1991	12,377		0	(760)	(6)	760	6	2,353	19	5,806	31	6,755	40
1992	7,078		0	(500)	(7)	500	7	1,587	14	5,906	29	6,129	38
1993	658		0	0	0	0	0	420	6	1,512	17	6,129	38
1994	26,299		0	0	0	0	0	167	1	952	8	6,129	33
1995	636		0	0	0	0	0	0	0	252	3	6,129	33
1996	3,975		0	(500)	(13)	500	13	167	2	200	3	5,617	32
1997	17,294		0	0	0	0	0	167	2	100	1	5,617	30
1998			0	0	0	0	0	167	2	100	1	5,617	30
1999			0	(3,000)	0	3,000	0	1,000	17	700	16	5,399	31
2000	28,900		0	(500)	(2)	500	2	1,167	12	800	8	5,022	28
2001	36,243	12,000	33	(22,500)	(62)	10,500	29	4,667	21	2,800	17	5,414	28
2002	42,965		0	0	0	0	0	3,667	10	2,800	13	5,414	24
2003	30,138		0	0	0	0	0	3,500	10	2,800	10	5,414	22
2004	94,872		0	(1,000)	(1)	1,000	1	333	1	2,400	5	5,119	17
2005	21,630		0	0	0	0	0	333	1	2,300	5	5,119	17
2006	26,318		0	(3,595)	(14)	3,595	14	1,532	3	919	2	5,024	16
2007	183,704		0	0	0	0	0	1,198	2	919	1	5,024	12
2008	165,026		0	(12,495)	(8)	12,495	8	5,363	4	3,418	3	5,464	11
2009	129,515		0	0	0	0	0	4,165	3	3,218	3	5,464	10
2010	125,337	362	0	(20,965)	(17)	20,603	16	11,033	8	7,339	6	6,305	10
2011	21,551	15,972	74	0	0	(15,972)	-74	1,544	2	3,425	3	5,132	9
2012	13,679		0	(691)	(5)	691	5	1,774	3	3,563	4	4,910	9
2013	65,463		0	(466)	(1)	466	1	-4,938	-15	1,158	2	4,698	8
2014	25,780	11,401	44	0	0	(11,401)	-44	-3,415	-10	-1,123	-2	3,967	7
2015	5,414	1,428	26	0	0	(1,428)	-26	-4,121	-13	-5,529	-21	3,732	7
2016	707,441	1,229	0	(9,284)	(1)	8,055	1	-1,591	-1	-723	0	3,912	5
2017	49,529	1,373	3	0	0	(1,373)	-3	1,751	1	-1,136	-1	3,701	5
2018		149	0	(4,501)	0	4,352	0	3,678	1	-359	0	3,726	5

**Indiana American Water Company**  
**ACCOUNT 345 - POWER OPERATED EQUIPMENT**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2019	678	82,551	12,180	0	0	(82,551)	-12,180	-26,524	-158	-14,589	-10	530	1
2020	137,822	2,314	2	0	0	(2,314)	-2	-26,838	-58	-14,766	-8	429	1
2021	13,256	34,833	263	0	0	(34,833)	-263	-39,900	-79	-23,344	-58	-787	-1
2022	88,375	32,911	37	0	0	(32,911)	-37	-23,353	-29	-29,652	-62	-1,858	-3
<b>TOTAL</b>	<b>2,222,090</b>	<b>196,553</b>	<b>8.85</b>	<b>-140,817</b>	<b>(6.34)</b>	<b>-55,736</b>	<b>(2.51)</b>						



SECTION 8

**8 DETAILED DEPRECIATION CALCULATIONS**

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# American Water Works - Indiana

Account #: 304.100 - Structures and Improvements - Source of Supply

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 230 of 375  
 Survivor Curve: R1  
 ASL: 45  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1950	374.06	409	-37	-0.0791	505	5.68	89	72.5
1951	255.73	277	-25	-0.0787	345	5.99	58	71.5
1962	414.06	404	-37	-0.0709	554	9.84	56	60.5
1965	256.90	243	-22	-0.0686	343	11.01	31	57.5
1967	70.78	65	-6	-0.0669	94	11.82	8	55.5
1972	75.97	65	-6	-0.0627	101	13.97	7	50.5
1973	1,599.77	1,359	-123	-0.0617	2,123	14.42	147	49.5
1975	10,038.94	8,272	-751	-0.0599	13,300	15.34	867	47.5
1977	111.00	89	-8	-0.0579	147	16.29	9	45.5
1981	136.00	101	-9	-0.0539	179	18.28	10	41.5
1982	112.00	82	-7	-0.0529	147	18.79	8	40.5
1983	7,464.11	5,325	-483	-0.0518	9,814	19.32	508	39.5
1984	36,575.70	25,553	-2,320	-0.0507	48,040	19.85	2,420	38.5
1985	384.00	263	-24	-0.0497	504	20.39	25	37.5
1986	4,171.00	2,788	-253	-0.0486	5,467	20.94	261	36.5
1987	376.15	246	-22	-0.0474	492	21.49	23	35.5
1988	410.00	261	-24	-0.0463	536	22.06	24	34.5
1990	4,846.12	2,934	-266	-0.0440	6,324	23.20	273	32.5
1991	681,461.27	401,494	-36,455	-0.0428	888,281	23.79	37,338	31.5
1992	1,905.91	1,091	-99	-0.0416	2,481	24.38	102	30.5
1993	14,962.61	8,319	-755	-0.0404	19,459	24.98	779	29.5
1994	326,415.89	175,983	-15,979	-0.0392	423,999	25.59	16,568	28.5
1995	249,206.27	130,105	-11,813	-0.0379	323,321	26.21	12,338	27.5
1996	6,223.12	3,142	-285	-0.0367	8,064	26.83	301	26.5
1997	239,924.39	116,939	-10,618	-0.0354	310,523	27.45	11,311	25.5
1998	42,969.82	20,187	-1,833	-0.0341	55,545	28.09	1,978	24.5
1999	294,554.82	133,149	-12,090	-0.0328	380,283	28.73	13,238	23.5
2000	217,387.06	94,371	-8,569	-0.0315	280,303	29.37	9,543	22.5

# American Water Works - Indiana

Account #: 304.100 - Structures and Improvements - Source of Supply

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 291 of 375  
 Survivor Curve: R1  
 ASL: 45  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2001	449,954.81	187,198	-16,997	-0.0302	579,441	30.02	19,300	21.5
2002	57,613.14	22,920	-2,081	-0.0289	74,097	30.68	2,415	20.5
2004	24,469.94	8,834	-802	-0.0262	31,390	32.00	981	18.5
2005	1,531,587.04	524,434	-47,618	-0.0249	1,962,101	32.67	60,052	17.5
2006	108,552.09	35,139	-3,191	-0.0235	138,881	33.35	4,165	16.5
2007	137,998.70	42,077	-3,820	-0.0221	176,319	34.02	5,182	15.5
2008	13,708.75	3,921	-356	-0.0208	17,492	34.70	504	14.5
2009	71,608.55	19,121	-1,736	-0.0194	91,247	35.39	2,579	13.5
2010	85,310.11	21,151	-1,920	-0.0180	108,558	36.07	3,009	12.5
2011	313,003.43	71,601	-6,501	-0.0166	397,755	36.76	10,819	11.5
2012	199,205.31	41,729	-3,789	-0.0152	252,796	37.46	6,749	10.5
2013	878,518.71	167,008	-15,164	-0.0138	1,113,312	38.16	29,178	9.5
2014	115,743.06	19,747	-1,793	-0.0124	146,472	38.86	3,769	8.5
2015	295,011.74	44,550	-4,045	-0.0110	372,810	39.56	9,423	7.5
2016	78,010.92	10,242	-930	-0.0095	98,444	40.27	2,444	6.5
2017	559,271.60	62,332	-5,660	-0.0081	704,749	40.99	17,194	5.5
2018	1,103,487.30	100,957	-9,167	-0.0066	1,388,526	41.71	33,293	4.5
2019	3,096,076.20	221,022	-20,068	-0.0052	3,890,164	42.43	91,684	3.5
2020	1,276,345.73	65,290	-5,928	-0.0037	1,601,360	43.16	37,104	2.5
2021	1,522,901.23	46,880	-4,257	-0.0022	1,907,883	43.89	43,468	1.5
2022	1,889,977.01	19,416	-1,763	-0.0007	2,364,234	44.63	52,974	0.5

# American Water Works - Indiana

Account #: 304.100 - Structures and Improvements - Source of Supply

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 232 of 375  
 Survivor Curve: R1  
 ASL: 45  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
TOTAL	15,951,038.82	2,869,082	-260,507		20,199,305		544,606	
COMPOSITE ANNUAL ACCRUAL RATE				3.41%				
THEORETICAL ACCUMULATED DEPRECIATION FACTOR				-0.02				
COMPOSITE AVERAGE AGE (YEARS)				9.23				
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)				38.52				

# American Water Works - Indiana

Account #: 304.200 - Structures and Improvements - Pumping (Locations Combined)

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 233 of 375  
 Survivor Curve: S0  
 ASL: 75  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1900	23,240.24	25,071	29,050	1.0000	0	10.27	0	122.5
1909	50,306.94	51,340	62,884	1.0000	0	13.77	0	113.5
1910	25,359.18	25,713	31,699	1.0000	0	14.16	0	112.5
1914	3,016.86	2,979	3,771	1.0000	0	15.74	0	108.5
1915	8,000.00	7,848	10,000	1.0000	0	16.14	0	107.5
1917	19,244.44	18,621	24,056	1.0000	0	16.94	0	105.5
1923	1,902.63	1,764	2,378	1.0000	0	19.37	0	99.5
1926	289.77	263	362	1.0000	0	20.60	0	96.5
1930	1,096.89	964	1,371	1.0000	0	22.26	0	92.5
1947	23,346.51	17,667	29,183	1.0000	0	29.60	0	75.5
1948	2,186.19	1,638	2,733	1.0000	0	30.04	0	74.5
1949	103.22	77	129	1.0000	0	30.49	0	73.5
1950	105.83	78	132	1.0000	0	30.94	0	72.5
1951	4,335.36	3,151	5,419	1.0000	0	31.40	0	71.5
1952	95.04	68	119	1.0000	0	31.85	0	70.5
1953	1,760.37	1,252	2,200	1.0000	0	32.31	0	69.5
1954	9,699.66	6,827	12,125	1.0000	0	32.77	0	68.5
1955	1,650.53	1,149	2,063	1.0000	0	33.23	0	67.5
1957	16,362.58	11,137	20,453	1.0000	0	34.16	0	65.5
1958	17,855.32	12,013	22,319	1.0000	0	34.63	0	64.5
1959	169,932.29	112,996	212,415	1.0000	0	35.10	0	63.5
1960	662.94	436	829	1.0000	0	35.58	0	62.5
1961	44,830.63	29,100	55,522	0.9908	516	36.05	14	61.5
1962	11,373.26	7,292	13,912	0.9786	304	36.53	8	60.5
1963	10,711.01	6,781	12,938	0.9663	451	37.01	12	59.5
1964	24,973.02	15,609	29,781	0.9540	1,435	37.50	38	58.5
1965	276,569.10	170,621	325,536	0.9416	20,175	37.98	531	57.5
1966	42,112.51	25,636	48,913	0.9292	3,728	38.47	97	56.5

# American Water Works - Indiana

Account #: 304.200 - Structures and Improvements - Pumping (Locations Combined)

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 234 of 375  
 Survivor Curve: S0  
 ASL: 75  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1967	70,749.53	42,488	81,066	0.9166	7,371	38.97	189	55.5
1968	4,459.81	2,641	5,040	0.9040	535	39.46	14	54.5
1969	52,361.36	30,577	58,340	0.8913	7,112	39.96	178	53.5
1970	3,414.45	1,965	3,750	0.8786	518	40.46	13	52.5
1971	217,608.32	123,424	235,488	0.8657	36,522	40.97	891	51.5
1972	7,004.94	3,914	7,467	0.8528	1,289	41.48	31	50.5
1973	51,641.97	28,413	54,211	0.8398	10,342	41.99	246	49.5
1974	8,230.84	4,458	8,505	0.8267	1,783	42.50	42	48.5
1976	20,480.89	10,737	20,486	0.8002	5,115	43.54	117	46.5
1977	10,184.22	5,250	10,017	0.7868	2,714	44.07	62	45.5
1978	20,569.18	10,422	19,884	0.7734	5,827	44.60	131	44.5
1979	59,625.03	29,680	56,628	0.7598	17,903	45.13	397	43.5
1980	407.15	199	380	0.7461	129	45.67	3	42.5
1981	1,387.47	666	1,270	0.7323	464	46.21	10	41.5
1982	37,718.08	17,754	33,873	0.7184	13,275	46.76	284	40.5
1983	92,959.57	42,902	81,856	0.7044	34,344	47.31	726	39.5
1984	36,482.55	16,500	31,481	0.6903	14,122	47.86	295	38.5
1985	25,614.12	11,346	21,648	0.6761	10,370	48.42	214	37.5
1986	30,187.52	13,088	24,971	0.6618	12,763	48.99	261	36.5
1987	41,104.97	17,431	33,258	0.6473	18,123	49.56	366	35.5
1988	43,473.36	18,020	34,382	0.6327	19,960	50.13	398	34.5
1989	124,979.43	50,599	96,540	0.6180	59,684	50.71	1,177	33.5
1990	80,007.54	31,612	60,315	0.6031	39,694	51.29	774	32.5
1991	213,070.53	82,095	156,634	0.5881	109,705	51.88	2,114	31.5
1992	91,603.82	34,385	65,605	0.5729	48,900	52.48	932	30.5
1993	166,393.18	60,791	115,985	0.5576	92,006	53.08	1,733	29.5
1994	3,692,599.68	1,311,718	2,502,696	0.5422	2,113,053	53.69	39,359	28.5
1995	284,072.08	98,003	186,986	0.5266	168,104	54.30	3,096	27.5

# American Water Works - Indiana

Account #: 304.200 - Structures and Improvements - Pumping (Locations Combined)

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life  
 Page 235 of 375  
 Survivor Curve: S0  
 ASL: 75  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1996	909,327.62	304,317	580,623	0.5108	556,037	54.92	10,124	26.5
1997	3,929,728.88	1,274,121	2,430,964	0.4949	2,481,197	55.55	44,669	25.5
1998	273,282.71	85,717	163,545	0.4788	178,059	56.18	3,169	24.5
1999	3,092,923.77	937,092	1,787,928	0.4625	2,078,227	56.82	36,575	23.5
2000	325,272.76	95,040	181,333	0.4460	225,258	57.47	3,920	22.5
2001	4,055,694.45	1,140,650	2,176,307	0.4293	2,893,311	58.13	49,777	21.5
2002	775,320.10	209,478	399,675	0.4124	569,476	58.79	9,687	20.5
2003	6,443.09	1,669	3,184	0.3953	4,870	59.46	82	19.5
2004	47,597.89	11,787	22,489	0.3780	37,009	60.14	615	18.5
2005	179,880.35	42,476	81,043	0.3604	143,807	60.83	2,364	17.5
2006	45,096.24	10,124	19,316	0.3427	37,054	61.53	602	16.5
2007	44,487.38	9,461	18,051	0.3246	37,558	62.24	603	15.5
2008	192,957.57	38,723	73,881	0.3063	167,316	62.96	2,658	14.5
2009	1,280,668.22	241,440	460,657	0.2878	1,140,178	63.69	17,902	13.5
2010	247,211.64	43,548	83,088	0.2689	225,926	64.43	3,507	12.5
2011	1,038,539.01	169,912	324,185	0.2497	973,989	65.18	14,942	11.5
2012	81,265.79	12,260	23,392	0.2303	78,191	65.95	1,186	10.5
2013	105,233.01	14,508	27,681	0.2104	103,860	66.73	1,556	9.5
2014	135,036.48	16,833	32,117	0.1903	136,678	67.52	2,024	8.5
2015	950,089.40	105,668	201,609	0.1698	986,003	68.33	14,431	7.5
2016	35,663.75	3,476	6,633	0.1488	37,947	69.15	549	6.5
2017	203,928.80	17,023	32,480	0.1274	222,431	69.99	3,178	5.5
2018	412,120.74	28,515	54,405	0.1056	460,746	70.85	6,503	4.5
2019	1,197,863.22	65,316	124,620	0.0832	1,372,709	71.73	19,138	3.5
2020	88,973.20	3,516	6,709	0.0603	104,508	72.63	1,439	2.5
2022	1,399,708.09	11,420	21,790	0.0125	1,727,846	74.51	23,189	0.5

# American Water Works - Indiana

Account #: 304.200 - Structures and Improvements - Pumping (Locations Combined)

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
TOTAL	27,333,828.07	7,553,261	14,308,759		19,858,526		329,142	
COMPOSITE ANNUAL ACCRUAL RATE				1.20%				
THEORETICAL ACCUMULATED DEPRECIATION FACTOR				0.52				
COMPOSITE AVERAGE AGE (YEARS)				21.98				
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)				58.42				

# American Water Works - Indiana

Account #: 304.300 - Structures and Improvements - Treatment (Locations Combined)

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 297 of 375  
 Survivor Curve: S0  
 ASL: 75  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1900	1,028.93	1,110	1,286	1.0000	0	10.27	0	122.5
1910	27,788.24	28,176	34,735	1.0000	0	14.16	0	112.5
1917	14,626.87	14,153	18,284	1.0000	0	16.94	0	105.5
1951	1,696.70	1,233	1,913	0.9018	208	31.40	7	71.5
1953	1,278,078.60	909,336	1,410,510	0.8829	187,088	32.31	5,790	69.5
1955	42.67	30	46	0.8637	7	33.23	0	67.5
1956	1,025.51	706	1,095	0.8542	187	33.70	6	66.5
1957	773.23	526	816	0.8446	150	34.16	4	65.5
1958	2,538.43	1,708	2,649	0.8349	524	34.63	15	64.5
1959	1,528.51	1,016	1,577	0.8251	334	35.10	10	63.5
1960	57,251.70	37,617	58,350	0.8153	13,215	35.58	371	62.5
1961	304,765.10	197,828	306,859	0.8055	74,097	36.05	2,055	61.5
1962	11,357.12	7,281	11,295	0.7956	2,902	36.53	79	60.5
1963	945.16	598	928	0.7856	253	37.01	7	59.5
1964	25,942.16	16,215	25,152	0.7756	7,276	37.50	194	58.5
1965	1,234,929.92	761,851	1,181,740	0.7655	361,922	37.98	9,528	57.5
1966	692.00	421	653	0.7554	212	38.47	5	56.5
1967	41,689.81	25,037	38,835	0.7452	13,277	38.97	341	55.5
1969	40,426.51	23,608	36,619	0.7247	13,914	39.96	348	53.5
1970	807.95	465	721	0.7143	289	40.46	7	52.5
1971	137,524.82	78,002	120,993	0.7038	50,913	40.97	1,243	51.5
1972	5,031.06	2,811	4,360	0.6933	1,929	41.48	46	50.5
1973	17.13	9	15	0.6828	7	41.99	0	49.5
1974	14,434.61	7,818	12,127	0.6721	5,917	42.50	139	48.5
1975	19,424.20	10,352	16,058	0.6614	8,222	43.02	191	47.5
1976	9,238.81	4,844	7,513	0.6506	4,035	43.54	93	46.5
1977	7,923.44	4,084	6,336	0.6397	3,569	44.07	81	45.5
1978	5,787.68	2,932	4,549	0.6287	2,686	44.60	60	44.5



# American Water Works - Indiana

Account #: 304.300 - Structures and Improvements - Treatment (Locations Combined)

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 236 of 375  
 Survivor Curve: S0  
 ASL: 75  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1979	26,281.55	13,082	20,293	0.6177	12,559	45.13	278	43.5
1980	53,717.45	26,258	40,730	0.6066	26,417	45.67	578	42.5
1981	4,965.91	2,383	3,696	0.5954	2,512	46.21	54	41.5
1982	865,930.96	407,587	632,226	0.5841	450,188	46.76	9,628	40.5
1983	1,723,022.04	795,203	1,233,474	0.5727	920,304	47.31	19,453	39.5
1984	111,987.42	50,649	78,563	0.5612	61,421	47.86	1,283	38.5
1985	3,040.66	1,347	2,089	0.5497	1,712	48.42	35	37.5
1986	16,729.06	7,253	11,250	0.5380	9,661	48.99	197	36.5
1987	401,951.08	170,456	264,401	0.5262	238,038	49.56	4,803	35.5
1988	36,220.01	15,014	23,288	0.5144	21,987	50.13	439	34.5
1989	1,008,121.66	408,144	633,091	0.5024	627,061	50.71	12,366	33.5
1990	172,585.15	68,191	105,775	0.4903	109,957	51.29	2,144	32.5
1991	1,313,770.24	506,190	785,173	0.4781	857,040	51.88	16,519	31.5
1992	123,283.90	46,276	71,781	0.4658	82,324	52.48	1,569	30.5
1993	42,255.50	15,438	23,946	0.4534	28,873	53.08	544	29.5
1994	1,945,819.32	691,211	1,072,167	0.4408	1,360,107	53.69	25,334	28.5
1995	98,279.07	33,906	52,593	0.4281	70,256	54.30	1,294	27.5
1996	146,287.22	48,957	75,939	0.4153	106,920	54.92	1,947	26.5
1997	3,052,900.56	989,830	1,535,369	0.4023	2,280,757	55.55	41,060	25.5
1998	125,571.59	39,387	61,094	0.3892	95,870	56.18	1,706	24.5
1999	2,985,055.77	904,410	1,402,870	0.3760	2,328,450	56.82	40,979	23.5
2000	196,502.17	57,415	89,060	0.3626	156,568	57.47	2,724	22.5
2001	231,118.02	65,001	100,826	0.3490	188,071	58.13	3,236	21.5
2002	3,288,259.49	888,431	1,378,084	0.3353	2,732,240	58.79	46,475	20.5
2003	1,615,484.72	418,397	648,993	0.3214	1,370,363	59.46	23,047	19.5
2004	628,917.07	155,741	241,577	0.3073	544,569	60.14	9,055	18.5
2005	138,648.54	32,740	50,785	0.2930	122,526	60.83	2,014	17.5
2006	10,554,454.90	2,369,437	3,675,337	0.2786	9,517,732	61.53	154,684	16.5

# American Water Works - Indiana

Account #: 304.300 - Structures and Improvements - Treatment (Locations Combined)

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 239 of 375  
 Survivor Curve: S0  
 ASL: 75  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2007	260,500.05	55,400	85,933	0.2639	239,692	62.24	3,851	15.5
2008	790,822.45	158,702	246,170	0.2490	742,358	62.96	11,791	14.5
2009	15,307,989.25	2,885,968	4,476,550	0.2339	14,658,436	63.69	230,159	13.5
2010	202,490.34	35,670	55,330	0.2186	197,783	64.43	3,070	12.5
2011	7,082,880.37	1,158,810	1,797,481	0.2030	7,056,120	65.18	108,250	11.5
2012	5,667,462.95	855,013	1,326,247	0.1872	5,758,081	65.95	87,312	10.5
2013	1,851,338.57	255,242	395,917	0.1711	1,918,256	66.73	28,747	9.5
2014	3,087,642.57	384,900	597,035	0.1547	3,262,518	67.52	48,319	8.5
2015	4,064,462.53	452,044	701,185	0.1380	4,379,393	68.33	64,095	7.5
2016	345,323.86	33,662	52,215	0.1210	379,440	69.15	5,487	6.5
2017	899,642.50	75,099	116,489	0.1036	1,008,064	69.99	14,403	5.5
2018	259,898.74	17,982	27,893	0.0859	296,980	70.85	4,192	4.5
2019	13,383,775.76	729,781	1,131,994	0.0677	15,597,725	71.73	217,455	3.5
2020	43,826,219.74	1,731,970	2,686,535	0.0490	52,096,240	72.63	717,294	2.5
2021	184,059.46	4,440	6,887	0.0299	223,187	73.55	3,034	1.5
2022	1,648,427.45	13,450	20,862	0.0101	2,039,672	74.51	27,374	0.5
<b>TOTAL</b>	<b>133,021,414.49</b>	<b>20,216,234</b>	<b>31,345,206</b>		<b>134,931,562</b>		<b>2,018,898</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	1.52%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.24
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	11.52
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	65.88

# American Water Works - Indiana

Account #: 304.301 - Structures and Improvements - Dpr Paint

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 240 of 375  
 Survivor Curve: SQ  
 ASL: 40  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1984	42,300.00	40,714	42,300	1.0000	0	1.50	0	38.5
1986	52,142.73	47,580	52,143	1.0000	0	3.50	0	36.5
1987	57,410.16	50,952	57,410	1.0000	0	4.50	0	35.5
1991	44,001.75	34,651	44,002	1.0000	0	8.50	0	31.5
2005	1,393.60	610	1,394	1.0000	0	22.50	0	17.5
<b>TOTAL</b>	<b>197,248.24</b>	<b>174,507</b>	<b>197,248</b>		<b>0</b>		<b>0</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	0.00%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	1.00
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	35.39
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	4.61

# American Water Works - Indiana

Account #: 304.302 - Structures and Improvements - Painting

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 241 of 375  
 Survivor Curve: SQ  
 ASL: 40  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1992	123,576.90	94,227	123,577	1.0000	0	9.50	0	30.5
1994	68,132.12	48,544	68,132	1.0000	0	11.50	0	28.5
2001	153,332.17	82,416	153,332	1.0000	0	18.50	0	21.5
2002	94,888.46	48,630	94,888	1.0000	0	19.50	0	20.5
2009	402,090.32	135,705	402,090	1.0000	0	26.50	0	13.5
2011	182,518.30	52,474	144,053	0.7893	38,465	28.50	1,350	11.5
2013	14,337.77	3,405	7,268	0.5069	7,070	30.50	232	9.5
2019	154,278.80	13,499	28,813	0.1868	125,466	36.50	3,437	3.5
2022	20,164.40	252	538	0.0267	19,626	39.50	497	0.5
<b>TOTAL</b>	<b>1,213,319.24</b>	<b>479,154</b>	<b>1,022,691</b>		<b>190,628</b>		<b>5,516</b>	

COMPOSITE ANNUAL ACCRUAL RATE	0.45%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.84
COMPOSITE AVERAGE AGE (YEARS)	15.80
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	24.20

# American Water Works - Indiana

Account #: 304.310 - Structures and Improvements - Handl

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2007	224,419.70	86,963	85,344	0.3803	139,076	24.50	5,677	15.5
2008	1,294.88	469	461	0.3557	834	25.50	33	14.5
2009	4,423,098.48	1,492,796	1,465,002	0.3312	2,958,096	26.50	111,626	13.5
2010	85,621.88	26,757	26,259	0.3067	59,363	27.50	2,159	12.5
2016	60,853.23	9,889	9,705	0.1595	51,149	33.50	1,527	6.5
2017	4,576.01	629	617	0.1349	3,959	34.50	115	5.5
<b>TOTAL</b>	<b>4,799,864.18</b>	<b>1,617,502</b>	<b>1,587,387</b>		<b>3,212,477</b>		<b>121,137</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	2.52%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.33
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	13.48
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	26.52

# American Water Works - Indiana

Account #: 304.312 - Structures and Improvements - WH Repaint

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2009	5,085.58	2,746	1,562	0.3072	3,523	11.50	306	13.5
<b>TOTAL</b>	5,085.58	2,746	1,562		3,523		306	

COMPOSITE ANNUAL ACCRUAL RATE	6.02%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.31
COMPOSITE AVERAGE AGE (YEARS)	13.50
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	11.50

# American Water Works - Indiana

Account #: 304.390 - Structures and Improvements - Mixing

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 244 of 375  
 Survivor Curve: SQ  
 ASL: 40  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2008	20,370.79	7,384	12,205	0.5991	8,166	25.50	320	14.5
2022	8,291.31	104	171	0.0207	8,120	39.50	206	0.5
<b>TOTAL</b>	<b>28,662.10</b>	<b>7,488</b>	<b>12,376</b>		<b>16,286</b>		<b>526</b>	

COMPOSITE ANNUAL ACCRUAL RATE	1.84%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.43
COMPOSITE AVERAGE AGE (YEARS)	10.45
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	29.55

# American Water Works - Indiana

Account #: 304.391 - Structures and Improvements - Purification

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 245 of 375  
 Survivor Curve: SQ  
 ASL: 40  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2009	1,669.95	564	298	0.1785	1,372	26.50	52	13.5
2013	284,922.50	67,669	35,796	0.1256	249,126	30.50	8,168	9.5
2015	27,486.40	5,154	2,726	0.0992	24,760	32.50	762	7.5
2017	412,946.24	56,780	30,036	0.0727	382,910	34.50	11,099	5.5
2019	14,528.30	1,271	672	0.0463	13,856	36.50	380	3.5
<b>TOTAL</b>	<b>741,553.39</b>	<b>131,438</b>	<b>69,529</b>		<b>672,024</b>		<b>20,461</b>	

COMPOSITE ANNUAL ACCRUAL RATE	2.76%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.09
COMPOSITE AVERAGE AGE (YEARS)	7.09
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	32.91



# American Water Works - Indiana

Account #: 304.392 - Structures and Improvements - Wash Tank

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2019	125,395.41	10,972	8,048	0.0642	117,347	36.50	3,215	3.5
<b>TOTAL</b>	125,395.41	10,972	8,048		117,347		3,215	

COMPOSITE ANNUAL ACCRUAL RATE	2.56%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.06
COMPOSITE AVERAGE AGE (YEARS)	3.50
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	36.50

# American Water Works - Indiana

Account #: 304.400 - Structures and Improvements - Transmission and Distribution

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 247 of 375  
 Survivor Curve: S0.5  
 ASL: 40  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1947	11,012.17	13,205	13,765	1.0000	0	1.63	0	75.5
1948	26.51	32	33	1.0001	0	1.96	0	74.5
1952	1,052.43	1,207	1,316	1.0000	0	3.30	0	70.5
1963	1,812.71	1,869	2,266	1.0000	0	7.01	0	59.5
1964	1,414.00	1,443	1,768	1.0000	0	7.35	0	58.5
1965	315.00	318	394	1.0000	0	7.70	0	57.5
1967	15,761.84	15,563	19,435	0.9864	268	8.40	32	55.5
1979	493.63	418	521	0.8452	96	12.93	7	43.5
1981	828.30	680	849	0.8196	187	13.75	14	41.5
1983	7,301.30	5,798	7,240	0.7933	1,886	14.59	129	39.5
1995	3,534.12	2,182	2,725	0.6169	1,692	20.24	84	27.5
1996	6,829.51	4,105	5,126	0.6004	3,411	20.77	164	26.5
1997	19,416.10	11,343	14,165	0.5836	10,105	21.30	474	25.5
1999	175,306.12	96,347	120,315	0.5490	98,818	22.41	4,409	23.5
2000	6,856.86	3,646	4,553	0.5312	4,018	22.98	175	22.5
2001	22,751.59	11,683	14,590	0.5130	13,850	23.57	588	21.5
2002	110,906.94	54,888	68,543	0.4944	70,091	24.16	2,901	20.5
2003	476,110.29	226,574	282,937	0.4754	312,201	24.77	12,603	19.5
2004	278,926.72	127,315	158,987	0.4560	189,672	25.39	7,469	18.5
2005	530,277.26	231,505	289,095	0.4361	373,752	26.03	14,359	17.5
2006	7,738.98	3,221	4,023	0.4158	5,651	26.68	212	16.5
2007	11,708.91	4,630	5,782	0.3951	8,854	27.35	324	15.5
2008	710,956.99	266,028	332,206	0.3738	556,490	28.03	19,856	14.5
2009	274,291.63	96,663	120,709	0.3521	222,156	28.72	7,734	13.5
2010	22,812.43	7,531	9,404	0.3298	19,111	29.44	649	12.5
2011	789.53	243	303	0.3070	684	30.17	23	11.5
2012	161,120.41	45,743	57,122	0.2836	144,278	30.91	4,667	10.5
2013	124,446.83	32,351	40,398	0.2597	115,160	31.68	3,635	9.5

# American Water Works - Indiana

Account #: 304.400 - Structures and Improvements - Transmission and Distribution

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 248 of 375  
 Survivor Curve: S0.5  
 ASL: 40  
 Net Salvage: -25%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2014	158,055.45	37,209	46,465	0.2352	151,104	32.47	4,654	8.5
2015	10,340.78	2,174	2,715	0.2101	10,211	33.27	307	7.5
2016	145,919.73	26,922	33,619	0.1843	148,780	34.10	4,364	6.5
2017	451,742.69	71,413	89,178	0.1579	475,501	34.94	13,609	5.5
2018	526,200.17	68,933	86,081	0.1309	571,669	35.81	15,965	4.5
2019	434,587.83	44,863	56,024	0.1031	487,211	36.70	13,277	3.5
2020	23,757.77	1,776	2,218	0.0747	27,480	37.61	731	2.5
2021	125,526.80	5,711	7,132	0.0455	149,776	38.54	3,886	1.5
2022	356,925.94	5,501	6,870	0.0154	439,288	39.51	11,119	0.5
<b>TOTAL</b>	<b>5,217,856.27</b>	<b>1,531,033</b>	<b>1,908,869</b>		<b>4,613,451</b>		<b>148,420</b>	

COMPOSITE ANNUAL ACCRUAL RATE	2.84%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.37
COMPOSITE AVERAGE AGE (YEARS)	11.60
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	30.61

# American Water Works - Indiana

Account #: 304.500 - Structures and Improvements - General

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 249 of 375  
 Survivor Curve: S1  
 ASL: 35  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1929	139.15	174	66	0.3779	108		108	94.5
1953	258.00	318	120	0.3718	203	0.50	203	69.5
1970	89.54	96	36	0.3235	76	4.98	15	52.5
1985	1,467.12	1,298	490	0.2670	1,344	10.23	131	37.5
1988	3,723.60	3,132	1,181	0.2538	3,473	11.45	303	34.5
1989	92.00	76	29	0.2492	86	11.88	7	33.5
1990	1,301.00	1,054	398	0.2445	1,229	12.31	100	32.5
1993	922.00	702	265	0.2298	888	13.68	65	29.5
1997	36,517.95	25,231	9,518	0.2085	36,129	15.65	2,308	25.5
1999	12,985.72	8,477	3,198	0.1970	13,034	16.72	779	23.5
2002	30,757.77	18,196	6,864	0.1785	31,583	18.44	1,713	20.5
2003	3,864.34	2,203	831	0.1720	4,000	19.04	210	19.5
2004	5,333.95	2,922	1,102	0.1653	5,565	19.66	283	18.5
2007	253,039.97	120,723	45,540	0.1440	270,759	21.64	12,511	15.5
2008	233,037.59	105,351	39,742	0.1364	251,555	22.34	11,259	14.5
2009	1,467,258.64	625,493	235,956	0.1287	1,598,117	23.06	69,292	13.5
2010	340,264.79	136,016	51,310	0.1206	374,021	23.81	15,710	12.5
2011	782,482.56	291,365	109,912	0.1124	868,191	24.57	35,330	11.5
2012	845,537.67	290,997	109,773	0.1039	947,149	25.36	37,343	10.5
2013	799,629.99	251,955	95,046	0.0951	904,492	26.18	34,552	9.5
2014	517,914.19	147,695	55,715	0.0861	591,678	27.02	21,902	8.5
2015	152,875.19	38,892	14,671	0.0768	176,423	27.88	6,329	7.5
2016	491,619.89	109,526	41,317	0.0672	573,208	28.76	19,929	6.5
2017	1,099,159.51	209,223	78,926	0.0574	1,295,024	29.67	43,647	5.5
2018	928,400.59	145,872	55,028	0.0474	1,105,473	30.60	36,126	4.5
2019	1,333,208.20	164,202	61,942	0.0372	1,604,568	31.55	50,856	3.5
2020	1,302,783.74	115,350	43,514	0.0267	1,584,966	32.52	48,737	2.5
2021	1,379,567.07	73,647	27,782	0.0161	1,696,677	33.51	50,639	1.5

# American Water Works - Indiana

Account #: 304.500 - Structures and Improvements - General

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 250 of 375  
 Survivor Curve: S1  
 ASL: 35  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2022	574,713.49	10,256	3,869	0.0054	714,523	34.50	20,711	0.5
<b>TOTAL</b>	12,598,945.22	2,900,441	1,094,140		14,654,541		521,098	

COMPOSITE ANNUAL ACCRUAL RATE	4.14%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.09
COMPOSITE AVERAGE AGE (YEARS)	7.02
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	28.55

# American Water Works - Indiana

Account #: 304.600 - Structures and Improvements - Offices

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 291 of 375  
 Survivor Curve: S0  
 ASL: 30  
 Net Salvage: -15%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1977	4,321.13	4,062	3,326	0.6693	1,643	5.48	300	45.5
1980	798.74	715	585	0.6369	334	6.66	50	42.5
1987	2,748.33	2,155	1,765	0.5583	1,396	9.54	146	35.5
1997	3,885.86	2,384	1,952	0.4367	2,517	14.00	180	25.5
2000	220,163.98	122,870	100,597	0.3973	152,592	15.44	9,882	22.5
2001	265,927.21	143,356	117,370	0.3838	188,446	15.94	11,824	21.5
2004	106,136.97	50,970	41,731	0.3419	80,327	17.47	4,597	18.5
2005	109,214.03	50,231	41,126	0.3274	84,471	18.00	4,692	17.5
2007	42,136.96	17,620	14,426	0.2977	34,032	19.09	1,783	15.5
2008	24,524.37	9,727	7,964	0.2824	20,239	19.65	1,030	14.5
2011	391,244.91	128,755	105,415	0.2343	344,516	21.42	16,088	11.5
2013	255,536.25	71,848	58,824	0.2002	235,043	22.67	10,370	9.5
2014	456,739.23	117,005	95,795	0.1824	429,455	23.32	18,418	8.5
2015	167,796.20	38,664	31,655	0.1640	161,311	23.99	6,724	7.5
2017	126,190.72	22,237	18,206	0.1255	126,913	25.40	4,996	5.5
2018	164,403.48	24,265	19,866	0.1051	169,198	26.15	6,470	4.5
2019	964,487.09	113,543	92,961	0.0838	1,016,199	26.93	37,736	3.5
2020	305,854.68	26,447	21,653	0.0616	330,080	27.74	11,897	2.5
2021	8,207.28	440	360	0.0381	9,078	28.60	317	1.5
2022	231,659.92	4,296	3,517	0.0132	262,892	29.52	8,907	0.5
<b>TOTAL</b>	<b>3,851,977.34</b>	<b>951,589</b>	<b>779,094</b>		<b>3,650,680</b>		<b>156,407</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	4.06%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.20
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	8.76
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	23.56

# American Water Works - Indiana

Account #: 304.610 - Structures and Improvemnts - HVAC

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 252 of 375  
 Survivor Curve: R2.5  
 ASL: 30  
 Net Salvage: -5%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2007	1,815.87	863	-650	-0.3408	2,556	16.43	156	15.5
2019	588,859.54	67,418	-50,780	-0.0821	669,083	26.73	25,032	3.5
2020	347,380.72	28,514	-21,477	-0.0589	386,227	27.65	13,966	2.5
2021	178,335.33	8,814	-6,639	-0.0355	193,891	28.59	6,782	1.5
2022	3,042,834.66	50,297	-37,884	-0.0119	3,232,861	29.53	109,486	0.5
<b>TOTAL</b>	<b>4,159,226.12</b>	<b>155,906</b>	<b>-117,431</b>		<b>4,484,618</b>		<b>155,422</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	3.74%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	-0.03
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	1.14
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	28.93

# American Water Works - Indiana

Account #: 304.620 - Structures and Improvements - Leasehold

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2006	79,372.73	52,386	-8,011	-0.1009	87,384	8.50	10,280	16.5
2018	78,355.91	14,104	-2,157	-0.0275	80,513	20.50	3,927	4.5
2020	15,103.40	1,510	-231	-0.0153	15,334	22.50	682	2.5
<b>TOTAL</b>	<b>172,832.04</b>	<b>68,000</b>	<b>-10,399</b>		<b>183,231</b>		<b>14,889</b>	

COMPOSITE ANNUAL ACCRUAL RATE	8.61%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	-0.06
COMPOSITE AVERAGE AGE (YEARS)	9.84
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	15.16



# American Water Works - Indiana

Account #: 304.700 - Structures and Improvements - Stores, Shops and Garages

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 254 of 375  
 Survivor Curve: S1  
 ASL: 60  
 Net Salvage: -20%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1953	129,219.67	114,969	119,768	0.7724	35,296	15.51	2,275	69.5
1956	370.81	321	335	0.7525	110	16.66	7	66.5
1957	921.92	792	825	0.7458	281	17.05	16	65.5
1958	339.13	289	301	0.7390	106	17.44	6	64.5
1959	136.89	115	120	0.7320	44	17.84	2	63.5
1960	33,575.14	28,043	29,213	0.7251	11,077	18.24	607	62.5
1961	54,895.15	45,403	47,298	0.7180	18,576	18.65	996	61.5
1962	346.57	284	296	0.7108	120	19.06	6	60.5
1963	526.32	427	444	0.7036	187	19.47	10	59.5
1965	1,044.15	829	863	0.6889	390	20.32	19	57.5
1966	13,393.09	10,512	10,951	0.6814	5,121	20.76	247	56.5
1967	6,013.94	4,667	4,862	0.6737	2,354	21.19	111	55.5
1968	11,018.47	8,454	8,807	0.6660	4,416	21.64	204	54.5
1969	4,651.59	3,527	3,674	0.6582	1,908	22.09	86	53.5
1971	74,846.58	55,378	57,689	0.6423	32,127	23.01	1,396	51.5
1972	86,009.61	62,832	65,454	0.6342	37,757	23.47	1,608	50.5
1973	1,218,744.11	878,744	915,423	0.6259	547,070	23.95	22,843	49.5
1974	438,672.51	312,071	325,097	0.6176	201,310	24.43	8,240	48.5
1975	16,221.32	11,381	11,856	0.6091	7,609	24.92	305	47.5
1976	8,817.58	6,099	6,354	0.6005	4,227	25.41	166	46.5
1978	4,941.40	3,318	3,457	0.5829	2,473	26.43	94	44.5
1981	10,432.69	6,676	6,955	0.5555	5,564	28.00	199	41.5
1982	54,032.94	33,991	35,410	0.5461	29,430	28.55	1,031	40.5
1984	1,022.48	621	646	0.5268	581	29.66	20	38.5
1985	314,101.87	187,048	194,855	0.5170	182,067	30.22	6,024	37.5
1986	4,125.55	2,409	2,510	0.5069	2,441	30.80	79	36.5
1987	975.89	558	582	0.4967	589	31.39	19	35.5
1988	351,777.10	197,084	205,310	0.4864	216,822	31.99	6,778	34.5

# American Water Works - Indiana

Account #: 304.700 - Structures and Improvements - Stores, Shops and Garages

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 255 of 375  
 Survivor Curve: S1  
 ASL: 60  
 Net Salvage: -20%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1989	33,127.10	18,157	18,915	0.4758	20,837	32.59	639	33.5
1990	32,531.46	17,429	18,157	0.4651	20,881	33.21	629	32.5
1991	29,494.06	15,431	16,075	0.4542	19,318	33.84	571	31.5
1992	36,283.38	18,520	19,293	0.4431	24,247	34.48	703	30.5
1993	28,049.31	13,952	14,535	0.4318	19,124	35.13	544	29.5
1994	20,883.97	10,112	10,534	0.4203	14,527	35.79	406	28.5
1995	17,050.33	8,026	8,361	0.4087	12,099	36.46	332	27.5
1996	365,286.87	166,954	173,923	0.3968	264,421	37.15	7,118	26.5
1997	46,510.08	20,609	21,469	0.3847	34,343	37.84	907	25.5
1998	176,166.05	75,563	78,717	0.3724	132,682	38.55	3,442	24.5
1999	52,905.23	21,929	22,844	0.3598	40,642	39.28	1,035	23.5
2001	8,299.00	3,194	3,327	0.3341	6,632	40.76	163	21.5
2004	11,916.20	4,032	4,201	0.2938	10,099	43.08	234	18.5
2005	42,480.48	13,693	14,265	0.2798	36,712	43.88	837	17.5
2006	24,022.27	7,351	7,658	0.2657	21,169	44.70	474	16.5
2007	81,782.06	23,671	24,659	0.2513	73,480	45.53	1,614	15.5
2008	121,787.52	33,195	34,581	0.2366	111,564	46.37	2,406	14.5
2009	1,381,817.61	352,926	367,657	0.2217	1,290,524	47.23	27,324	13.5
2010	57,572.84	13,701	14,273	0.2066	54,814	48.10	1,140	12.5
2011	1,237,758.73	272,650	284,031	0.1912	1,201,280	48.99	24,523	11.5
2012	39,634.15	8,018	8,352	0.1756	39,209	49.89	786	10.5
2013	115,055.98	21,177	22,061	0.1598	116,007	50.80	2,284	9.5
2014	24,433.62	4,045	4,214	0.1437	25,106	51.72	485	8.5
2015	27,467.35	4,032	4,200	0.1274	28,760	52.66	546	7.5
2016	81,731.83	10,446	10,882	0.1110	87,196	53.61	1,627	6.5
2017	14,681.69	1,594	1,661	0.0943	15,957	54.57	292	5.5
2018	179,209.67	15,982	16,649	0.0774	198,402	55.54	3,572	4.5
2019	1,478,144.50	102,862	107,155	0.0604	1,666,618	56.52	29,487	3.5

# American Water Works - Indiana

Account #: 304.700 - Structures and Improvements - Stores, Shops and Garages

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 256 of 375  
 Survivor Curve: S1  
 ASL: 60  
 Net Salvage: -20%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2021	456,179.16	13,666	14,236	0.0260	533,179	58.50	9,114	1.5
2022	16,307.83	163	170	0.0087	19,400	59.50	326	0.5
<b>TOTAL</b>	<b>9,079,744.80</b>	<b>3,269,922</b>	<b>3,406,410</b>		<b>7,489,284</b>		<b>176,954</b>	

COMPOSITE ANNUAL ACCRUAL RATE	1.95%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.38
COMPOSITE AVERAGE AGE (YEARS)	22.52
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	41.99

# American Water Works - Indiana

Account #: 304.800 - Structures and Improvements - Miscellaneous

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 257 of 375  
 Survivor Curve: L1  
 ASL: 40  
 Net Salvage: -10%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1969	18.49	13	-4	-0.2188	25	14.81	2	53.5
1970	1,090.51	747	-260	-0.2166	1,459	15.08	97	52.5
1971	27,916.25	18,920	-6,577	-0.2142	37,285	15.35	2,428	51.5
1972	68,581.07	45,960	-15,978	-0.2118	91,417	15.63	5,848	50.5
1974	862.00	564	-196	-0.2069	1,144	16.19	71	48.5
1976	120.00	77	-27	-0.2019	159	16.77	9	46.5
1977	27.00	17	-6	-0.1993	36	17.06	2	45.5
1978	522.00	325	-113	-0.1968	687	17.36	40	44.5
1980	4,034.23	2,445	-850	-0.1916	5,288	17.96	294	42.5
1981	722.80	432	-150	-0.1889	945	18.27	52	41.5
1983	1,750.00	1,016	-353	-0.1834	2,278	18.89	121	39.5
1985	4,091.30	2,302	-800	-0.1779	5,301	19.54	271	37.5
1986	31,896.60	17,663	-6,140	-0.1750	41,227	19.86	2,075	36.5
1987	8,858.82	4,825	-1,677	-0.1721	11,422	20.20	566	35.5
1989	1,746.89	919	-319	-0.1662	2,241	20.87	107	33.5
1991	825.00	418	-145	-0.1602	1,053	21.57	49	31.5
1993	993.00	484	-168	-0.1540	1,261	22.28	57	29.5
1995	5,941.35	2,775	-965	-0.1476	7,500	23.01	326	27.5
1997	13,618.54	6,079	-2,113	-0.1411	17,094	23.77	719	25.5
2005	112,540.00	39,753	-13,820	-0.1116	137,614	27.16	5,068	17.5
2006	81,714.13	27,728	-9,640	-0.1072	99,525	27.66	3,598	16.5
2007	26,192.61	8,505	-2,957	-0.1026	31,769	28.19	1,127	15.5
2008	3,258.47	1,008	-350	-0.0978	3,935	28.75	137	14.5
2019	152,885.47	13,453	-4,677	-0.0278	172,851	36.80	4,697	3.5
2020	96,704.63	6,140	-2,134	-0.0201	108,510	37.69	2,879	2.5
2021	499,623.60	19,199	-6,675	-0.0121	556,261	38.60	14,410	1.5
2022	457,329.85	5,886	-2,046	-0.0041	505,109	39.53	12,777	0.5

# American Water Works - Indiana

Account #: 304.800 - Structures and Improvements - Miscellaneous

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 256 of 375  
 Survivor Curve: L1  
 ASL: 40  
 Net Salvage: -10%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
TOTAL	1,603,864.61	227,653	-79,143		1,843,394		57,827	
COMPOSITE ANNUAL ACCRUAL RATE				3.61%				
THEORETICAL ACCUMULATED DEPRECIATION FACTOR				-0.05				
COMPOSITE AVERAGE AGE (YEARS)				8.16				
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)				34.84				

# American Water Works - Indiana

Account #: 305.000 - Collecting and Impounding Reservoirs

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 259 of 375  
 Survivor Curve: R3  
 ASL: 95  
 Net Salvage: -10%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1917	19,262.18	17,892	15,059	0.7107	6,130	14.78	415	105.5
1952	11,806.75	8,403	7,073	0.5446	5,915	33.53	176	70.5
1953	513.94	362	304	0.5384	261	34.22	8	69.5
1954	19,674.60	13,686	11,518	0.5322	10,124	34.93	290	68.5
1955	244,939.15	168,372	141,705	0.5259	127,728	35.63	3,584	67.5
1958	987,229.75	653,869	550,311	0.5068	535,642	37.80	14,171	64.5
1959	323,222.97	211,328	177,858	0.5002	177,687	38.53	4,611	63.5
1960	1,427,666.45	921,172	775,279	0.4937	795,154	39.28	20,245	62.5
1961	1,762,704.38	1,122,086	944,373	0.4870	994,602	40.02	24,850	61.5
1962	67,252.83	42,224	35,537	0.4804	38,441	40.78	943	60.5
1964	6,141.51	3,747	3,154	0.4668	3,602	42.30	85	58.5
1965	17,851.14	10,733	9,033	0.4600	10,603	43.08	246	57.5
1966	12,439.50	7,367	6,200	0.4531	7,483	43.85	171	56.5
1970	87,088.13	48,382	40,719	0.4251	55,078	47.02	1,171	52.5
1971	673.35	368	310	0.4179	431	47.83	9	51.5
1973	36,292.45	19,140	16,108	0.4035	23,813	49.45	482	49.5
1974	290,963.85	150,679	126,815	0.3962	193,246	50.28	3,844	48.5
1975	267,523.99	135,978	114,442	0.3889	179,834	51.10	3,519	47.5
1976	224,308.38	111,850	94,136	0.3815	152,604	51.94	2,938	46.5
1977	64,471.71	31,523	26,531	0.3741	44,388	52.77	841	45.5
1978	57,497.17	27,552	23,188	0.3666	40,059	53.62	747	44.5
1980	4,241.00	1,949	1,640	0.3516	3,025	55.32	55	42.5
1981	74,300.00	33,403	28,113	0.3440	53,617	56.17	954	41.5
1982	1,339.90	589	496	0.3363	978	57.04	17	40.5
1983	21,781.05	9,356	7,874	0.3287	16,085	57.90	278	39.5
1985	17,175.33	7,030	5,917	0.3132	12,976	59.65	218	37.5
1986	255,713.70	102,060	85,896	0.3054	195,389	60.53	3,228	36.5
1987	402,754.12	156,618	131,813	0.2975	311,216	61.42	5,067	35.5

# American Water Works - Indiana

Account #: 305.000 - Collecting and Impounding Reservoirs

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1988	99,969.00	37,845	31,851	0.2896	78,115	62.31	1,254	34.5
1989	200,336.50	73,768	62,085	0.2817	158,286	63.20	2,505	33.5
1990	197,500.00	70,670	59,477	0.2738	157,773	64.10	2,461	32.5
1991	165,817.70	57,601	48,478	0.2658	133,921	65.00	2,060	31.5
1992	85,031.18	28,646	24,109	0.2578	69,425	65.91	1,053	30.5
1994	17,577.45	5,550	4,671	0.2416	14,664	67.73	217	28.5
1995	162,101.28	49,463	41,629	0.2335	136,682	68.65	1,991	27.5
1998	16,745.12	4,571	3,847	0.2089	14,572	71.42	204	24.5
2008	234,045.86	38,265	32,205	0.1251	225,245	80.88	2,785	14.5
2010	16,506.31	2,331	1,962	0.1081	16,195	82.80	196	12.5
2012	2,459,123.24	292,260	245,972	0.0909	2,459,063	84.74	29,020	10.5
2016	66,340.86	4,897	4,121	0.0565	68,854	88.62	777	6.5
2019	33,703.54	1,343	1,130	0.0305	35,944	91.56	393	3.5
<b>TOTAL</b>	<b>10,461,627.32</b>	<b>4,684,927</b>	<b>3,942,940</b>		<b>7,564,850</b>		<b>138,079</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	1.32%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.38
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	42.64
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	56.32

# American Water Works - Indiana

Account #: 306.000 - Lake, River, and Other Intakes (NW and Other)

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 261 of 375  
 Survivor Curve: S1  
 ASL: 65  
 Net Salvage: -10%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1904	600.32	629	629	0.9529	31	3.11	10	118.5
1922	3,967.81	3,807	3,809	0.8728	555	8.31	67	100.5
1929	438.29	404	405	0.8390	78	10.50	7	93.5
1931	183.14	167	167	0.8291	34	11.15	3	91.5
1944	656.07	548	549	0.7602	173	15.62	11	78.5
1954	404.00	312	312	0.7015	133	19.44	7	68.5
1955	40,943.73	31,289	31,313	0.6953	13,725	19.84	692	67.5
1959	26,230.04	19,309	19,324	0.6697	9,529	21.50	443	63.5
1960	85,120.27	62,045	62,093	0.6632	31,539	21.93	1,438	62.5
1961	7,890.41	5,694	5,698	0.6565	2,981	22.36	133	61.5
1962	883.07	631	631	0.6498	340	22.80	15	60.5
1963	525,358.00	371,298	371,584	0.6430	206,309	23.24	8,878	59.5
1967	2,661.28	1,799	1,800	0.6150	1,127	25.06	45	55.5
1971	138,958.91	89,422	89,491	0.5855	63,364	26.97	2,349	51.5
1978	532.05	310	310	0.5299	275	30.58	9	44.5
1984	42,300.00	22,205	22,222	0.4776	24,308	33.98	715	38.5
1985	738.65	380	381	0.4684	432	34.58	12	37.5
1986	66,492.57	33,552	33,578	0.4591	39,564	35.18	1,125	36.5
1991	3,328,557.08	1,500,741	1,501,899	0.4102	2,159,514	38.36	56,299	31.5
1998	6,973.00	2,566	2,568	0.3348	5,102	43.25	118	24.5
2001	43,389,748.76	14,300,210	14,311,242	0.2998	33,417,482	45.53	734,046	21.5
2003	4,832.42	1,464	1,465	0.2755	3,851	47.10	82	19.5
2012	10,275.39	1,767	1,768	0.1564	9,535	54.84	174	10.5
2013	19,865.82	3,106	3,108	0.1422	18,744	55.76	336	9.5
2014	40,172.19	5,646	5,650	0.1279	38,539	56.70	680	8.5
2016	2,060,047.19	223,280	223,452	0.0986	2,042,600	58.60	34,859	6.5
2017	49,650.16	4,570	4,573	0.0837	50,042	59.56	840	5.5
2018	49,183.71	3,716	3,719	0.0687	50,383	60.54	832	4.5



# American Water Works - Indiana

Account #: 306.000 - Lake, River, and Other Intakes (NW and Other)

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2019	1,499,995.27	88,387	88,455	0.0536	1,561,539	61.52	25,383	3.5
<b>TOTAL</b>	51,403,659.60	16,779,252	16,792,196		39,751,830		869,608	

COMPOSITE ANNUAL ACCRUAL RATE	1.69%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.33
COMPOSITE AVERAGE AGE (YEARS)	21.62
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	45.71

# American Water Works - Indiana

Account #: 307.000 - Wells & Springs

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 263 of 375  
 Survivor Curve: R0.5  
 ASL: 40  
 Net Salvage: -10%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1900	1,637.44	1,801	1,801	1.0000	0		0	123.5
1913	52.64	58	58	0.9999	0		0	110.5
1918	502.02	552	552	1.0000	0		0	105.5
1925	7,642.98	8,407	8,407	1.0000	0		0	98.5
1927	3,518.98	3,871	3,871	1.0000	0		0	96.5
1928	14,888.84	16,378	16,378	1.0000	0		0	95.5
1930	460.74	507	507	1.0000	0		0	93.5
1931	4,401.64	4,842	4,842	1.0000	0		0	92.5
1946	747.21	786	822	1.0000	0	1.74	0	76.5
1951	4,140.02	4,098	4,512	0.9907	42	4.00	11	71.5
1952	3,594.51	3,516	3,870	0.9789	84	4.43	19	70.5
1953	10,950.95	10,585	11,652	0.9673	394	4.85	81	69.5
1954	7,360.20	7,030	7,739	0.9559	357	5.27	68	68.5
1955	58,845.00	55,543	61,144	0.9446	3,586	5.68	632	67.5
1962	17,022.10	14,762	16,250	0.8679	2,474	8.47	292	60.5
1963	12,089.77	10,352	11,396	0.8569	1,902	8.86	215	59.5
1964	6,288.66	5,316	5,852	0.8460	1,065	9.26	115	58.5
1965	13,772.85	11,492	12,650	0.8350	2,500	9.66	259	57.5
1966	709.88	584	643	0.8239	137	10.06	14	56.5
1969	181,062.38	142,984	157,401	0.7903	41,768	11.28	3,702	53.5
1971	2,516.94	1,930	2,125	0.7674	644	12.12	53	51.5
1974	24,962.14	18,261	20,103	0.7321	7,356	13.40	549	48.5
1975	3,043.06	2,190	2,410	0.7201	937	13.83	68	47.5
1976	21,795.53	15,419	16,974	0.7080	7,001	14.28	490	46.5
1977	117,153.71	81,440	89,652	0.6957	39,217	14.72	2,664	45.5
1978	17,224.60	11,760	12,946	0.6833	6,001	15.17	396	44.5
1979	13,938.50	9,341	10,283	0.6707	5,049	15.63	323	43.5
1980	82,213.72	54,052	59,502	0.6579	30,933	16.09	1,922	42.5

# American Water Works - Indiana

Account #: 307.000 - Wells & Springs

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 264 of 375  
 Survivor Curve: R0.5  
 ASL: 40  
 Net Salvage: -10%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1981	7,186.69	4,632	5,099	0.6451	2,806	16.56	169	41.5
1982	6.00	4	4	0.6318	2	17.03	0	40.5
1983	2,189.00	1,354	1,490	0.6188	918	17.51	52	39.5
1984	186,274.99	112,700	124,064	0.6055	80,839	18.00	4,491	38.5
1985	95,080.19	56,241	61,912	0.5920	42,676	18.49	2,308	37.5
1986	1,681.89	972	1,070	0.5783	780	18.99	41	36.5
1987	31,507.76	17,771	19,563	0.5645	15,095	19.49	775	35.5
1988	6,729.40	3,701	4,075	0.5505	3,328	20.00	166	34.5
1989	27,993.60	15,002	16,514	0.5363	14,279	20.51	696	33.5
1990	158,730.40	82,794	91,142	0.5220	83,461	21.03	3,968	32.5
1991	40,527.96	20,554	22,626	0.5075	21,955	21.56	1,018	31.5
1992	21,549.10	10,614	11,684	0.4929	12,020	22.09	544	30.5
1993	61,120.42	29,203	32,147	0.4782	35,085	22.63	1,551	29.5
1994	300,359.26	139,033	153,052	0.4632	177,343	23.17	7,655	28.5
1995	312,921.22	140,141	154,272	0.4482	189,941	23.71	8,009	27.5
1996	724,920.81	313,652	345,278	0.4330	452,134	24.27	18,632	26.5
1997	541,282.02	225,910	248,689	0.4177	346,721	24.82	13,968	25.5
1998	569,373.07	228,846	251,921	0.4022	374,389	25.38	14,749	24.5
1999	622,043.01	240,340	264,573	0.3867	419,674	25.95	16,172	23.5
2000	162,558.43	60,261	66,337	0.3710	112,477	26.52	4,241	22.5
2001	523,869.66	185,935	204,683	0.3552	371,573	27.09	13,714	21.5
2002	680,434.12	230,702	253,964	0.3393	494,513	27.67	17,871	20.5
2003	42,496.76	13,730	15,114	0.3233	31,632	28.25	1,120	19.5
2004	107,191.48	32,911	36,230	0.3073	81,681	28.84	2,833	18.5
2005	781,298.04	227,279	250,196	0.2911	609,231	29.42	20,707	17.5
2006	565,988.77	155,476	171,153	0.2749	451,434	30.01	15,042	16.5
2007	38,424.61	9,930	10,932	0.2586	31,336	30.60	1,024	15.5
2008	267,747.98	64,825	71,362	0.2423	223,161	31.20	7,154	14.5

# American Water Works - Indiana

Account #: 307.000 - Wells & Springs

Attachment LEK-2  
 ALG - Remaining Life Page 265 of 375  
 Survivor Curve: R0.5  
 ASL: 40  
 Net Salvage: -10%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2009	3,301,031.32	745,173	820,310	0.2259	2,810,824	31.79	88,415	13.5
2010	560,532.76	117,331	129,161	0.2095	487,425	32.39	15,049	12.5
2011	1,447,000.78	279,064	307,202	0.1930	1,284,498	32.99	38,940	11.5
2012	159,754.08	28,173	31,013	0.1765	144,716	33.59	4,309	10.5
2013	880,340.50	140,679	154,864	0.1599	813,511	34.19	23,794	9.5
2014	216,465.25	30,998	34,124	0.1433	203,988	34.79	5,863	8.5
2015	873,191.19	110,508	121,651	0.1267	838,860	35.40	23,698	7.5
2016	185,419.91	20,370	22,424	0.1099	181,538	36.01	5,042	6.5
2017	376,816.91	35,085	38,622	0.0932	375,876	36.61	10,266	5.5
2018	543,228.47	41,450	45,629	0.0764	551,922	37.23	14,827	4.5
2019	1,240,439.12	73,732	81,167	0.0595	1,283,316	37.84	33,916	3.5
2020	2,356,997.09	100,221	110,326	0.0426	2,482,371	38.45	64,555	2.5
2021	633,139.15	16,171	17,802	0.0256	678,651	39.07	17,370	1.5
2022	169,635.96	1,442	1,588	0.0085	185,012	39.69	4,661	0.5
<b>TOTAL</b>	<b>20,458,016.14</b>	<b>4,862,770</b>	<b>5,349,375</b>		<b>17,154,442</b>		<b>541,248</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	2.65%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.26
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	14.58
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	31.36

# American Water Works - Indiana

Account #: 308.000 - Infiltration Galleries and Tunnels

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 266 of 375  
 Survivor Curve: R2.5  
 ASL: 65  
 Net Salvage: -5%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1900	10,412.56	10,933	10,933	1.0000	0		0	123.5
1913	4,016.17	4,036	4,217	1.0000	0	2.80	0	109.5
1914	1,477.48	1,476	1,551	1.0000	0	3.16	0	108.5
1915	344.59	343	362	1.0000	0	3.44	0	107.5
1919	5.90	6	6	1.0008	0	4.48	0	103.5
1930	135.84	127	143	1.0000	0	6.94	0	92.5
1931	12.53	12	13	1.0003	0	7.17	0	91.5
1958	563.06	448	591	1.0000	0	15.76	0	64.5
1961	318.51	246	334	1.0000	0	17.22	0	61.5
2013	43,882.49	6,272	8,547	0.1855	37,530	56.15	668	9.5
2019	10,502.18	559	761	0.0691	10,266	61.71	166	3.5
<b>TOTAL</b>	<b>71,671.31</b>	<b>24,457</b>	<b>27,459</b>		<b>47,795</b>		<b>834</b>	

COMPOSITE ANNUAL ACCRUAL RATE	1.16%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.38
COMPOSITE AVERAGE AGE (YEARS)	34.14
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	43.88

# American Water Works - Indiana

Account #: 309.000 - Supply Mains

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 267 of 375  
 Survivor Curve: R2  
 ASL: 80  
 Net Salvage: -20%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1900	2,920.00	3,191	3,504	1.0000	0	7.15	0	122.5
1913	66,911.30	69,272	80,294	1.0000	0	10.98	0	109.5
1920	3,805.43	3,813	4,567	1.0000	0	13.19	0	102.5
1925	25,883.72	25,274	31,060	1.0000	0	14.90	0	97.5
1928	29.35	28	35	1.0000	0	16.00	0	94.5
1931	794.07	749	953	1.0000	0	17.15	0	91.5
1948	18,534.39	15,329	22,241	1.0000	0	24.86	0	74.5
1951	10,563.74	8,486	12,543	0.9895	133	26.44	5	71.5
1953	11,198.54	8,813	13,026	0.9693	412	27.54	15	69.5
1954	2,569.41	2,001	2,957	0.9590	126	28.09	4	68.5
1956	458.94	350	517	0.9380	34	29.23	1	66.5
1958	796.20	592	876	0.9165	80	30.39	3	64.5
1959	13,227.05	9,725	14,374	0.9056	1,499	30.99	48	63.5
1960	459.32	334	493	0.8945	58	31.59	2	62.5
1961	7,927.17	5,685	8,403	0.8833	1,110	32.19	34	61.5
1965	35,417.07	24,074	35,583	0.8372	6,917	34.68	199	57.5
1967	421.89	279	412	0.8135	94	35.97	3	55.5
1970	6,011.78	3,792	5,605	0.7770	1,609	37.95	42	52.5
1971	32,566.78	20,214	29,879	0.7645	9,202	38.62	238	51.5
1972	9,781.01	5,972	8,827	0.7520	2,910	39.30	74	50.5
1977	325,699.69	181,869	268,819	0.6878	122,021	42.77	2,853	45.5
1978	1,924.10	1,054	1,558	0.6746	751	43.49	17	44.5
1979	110.03	59	87	0.6613	45	44.20	1	43.5
1980	23,718.62	12,478	18,443	0.6480	10,019	44.93	223	42.5
1981	13,975.82	7,199	10,641	0.6345	6,130	45.66	134	41.5
1983	5,335.16	2,630	3,888	0.6073	2,514	47.13	53	39.5
1984	45,132.74	21,746	32,143	0.5935	22,017	47.88	460	38.5
1985	67,754.06	31,883	47,126	0.5796	34,179	48.63	703	37.5

# American Water Works - Indiana

Account #: 309.000 - Supply Mains

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 266 of 375  
 Survivor Curve: R2  
 ASL: 80  
 Net Salvage: -20%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1986	1,805.84	829	1,226	0.5656	941	49.38	19	36.5
1987	2,707.96	1,213	1,792	0.5516	1,457	50.15	29	35.5
1989	5,931.29	2,519	3,724	0.5232	3,394	51.68	66	33.5
1991	101,668.57	40,811	60,322	0.4944	61,680	53.24	1,159	31.5
1992	51,020.55	19,879	29,383	0.4799	31,841	54.02	589	30.5
1994	1,531,680.59	560,365	828,267	0.4506	1,009,750	55.61	18,158	28.5
1995	5,481.05	1,940	2,867	0.4359	3,711	56.41	66	27.5
1996	86,893.00	29,700	43,899	0.4210	60,373	57.21	1,055	26.5
1997	521,022.53	171,764	253,882	0.4061	371,345	58.02	6,400	25.5
1998	17,089.35	5,425	8,019	0.3910	12,488	58.84	212	24.5
1999	2,108,573.50	643,541	951,209	0.3759	1,579,079	59.65	26,471	23.5
2000	166,846.28	48,865	72,227	0.3607	127,988	60.47	2,116	22.5
2001	1,625,760.00	455,999	674,006	0.3455	1,276,906	61.30	20,830	21.5
2002	1,004,179.32	269,143	397,817	0.3301	807,199	62.13	12,992	20.5
2003	1,254.67	321	474	0.3147	1,032	62.97	16	19.5
2004	30,685.76	7,454	11,018	0.2992	25,805	63.81	404	18.5
2005	44,254.88	10,191	15,063	0.2836	38,043	64.65	588	17.5
2006	29,460.89	6,410	9,474	0.2680	25,879	65.49	395	16.5
2007	4,849.11	993	1,468	0.2523	4,351	66.35	66	15.5
2008	114,355.92	21,956	32,452	0.2365	104,775	67.20	1,559	14.5
2009	1,400,979.63	250,935	370,903	0.2206	1,310,273	68.06	19,252	13.5
2010	795,341.21	132,165	195,351	0.2047	759,058	68.92	11,013	12.5
2011	3,537,156.72	541,825	800,864	0.1887	3,443,724	69.79	49,346	11.5
2012	87,776.79	12,301	18,181	0.1726	87,151	70.66	1,233	10.5
2013	405,846.15	51,556	76,204	0.1565	410,812	71.53	5,743	9.5
2014	322,238.58	36,694	54,237	0.1403	332,449	72.41	4,591	8.5
2017	37,634.04	2,788	4,121	0.0913	41,039	75.06	547	5.5
2018	110,730.00	6,724	9,939	0.0748	122,937	75.95	1,619	4.5

# American Water Works - Indiana

Account #: 309.000 - Supply Mains

Attachment LEK-2  
 ALG - Remaining Life Page 269 of 375  
 Survivor Curve: R2  
 ASL: 80  
 Net Salvage: -20%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2019	1,576,207.63	74,577	110,231	0.0583	1,781,218	76.85	23,179	3.5
2020	192,809.31	6,528	9,649	0.0417	221,723	77.74	2,852	2.5
2021	11,254.12	229	338	0.0251	13,166	78.64	167	1.5
<b>TOTAL</b>	<b>16,667,422.62</b>	<b>3,882,531</b>	<b>5,707,459</b>		<b>14,293,449</b>		<b>217,844</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	1.31%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.34
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	18.11
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	64.47



# American Water Works - Indiana

Account #: 310.000 - Power Generation Equipment

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 270 of 375  
 Survivor Curve: R2  
 ASL: 40  
 Net Salvage: -10%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1961	13,399.07	13,443	13,356	0.9062	1,383	3.52	393	61.5
1966	22,502.53	21,675	21,534	0.8700	3,219	4.97	647	56.5
1971	5,085.30	4,682	4,652	0.8315	942	6.52	145	51.5
1981	94,970.97	77,377	76,873	0.7359	27,595	10.37	2,660	41.5
1989	57,982.85	40,703	40,438	0.6340	23,343	14.47	1,613	33.5
1990	121,235.70	83,177	82,636	0.6196	50,723	15.05	3,370	32.5
1994	310,433.23	192,052	190,802	0.5588	150,675	17.50	8,608	28.5
1996	158,169.52	92,176	91,576	0.5263	82,410	18.81	4,382	26.5
1997	2,745.54	1,549	1,539	0.5097	1,481	19.48	76	25.5
1998	13,075.00	7,133	7,086	0.4927	7,296	20.16	362	24.5
2001	103,155.83	50,257	49,930	0.4400	63,541	22.28	2,851	21.5
2002	1,199.98	561	557	0.4219	763	23.01	33	20.5
2004	108,244.25	46,128	45,828	0.3849	73,241	24.50	2,989	18.5
2005	767,195.80	310,885	308,862	0.3660	535,053	25.26	21,178	17.5
2006	56,815.56	21,819	21,677	0.3468	40,821	26.04	1,568	16.5
2007	347,447.61	125,969	125,149	0.3275	257,043	26.82	9,585	15.5
2008	148,560.69	50,633	50,304	0.3078	113,113	27.61	4,097	14.5
2009	2,315,899.14	738,393	733,587	0.2880	1,813,902	28.41	63,856	13.5
2010	1,144,647.90	339,501	337,291	0.2679	921,821	29.21	31,553	12.5
2011	1,487,636.67	407,786	405,132	0.2476	1,231,268	30.03	40,998	11.5
2012	225,095.21	56,588	56,220	0.2271	191,385	30.86	6,202	10.5
2013	706,049.19	161,293	160,243	0.2063	616,411	31.69	19,449	9.5
2014	778,429.41	159,785	158,745	0.1854	697,527	32.54	21,439	8.5
2015	500,654.34	91,053	90,460	0.1643	460,259	33.39	13,786	7.5
2016	396,206.45	62,702	62,294	0.1429	373,533	34.25	10,908	6.5
2017	1,944,312.10	261,386	259,685	0.1214	1,879,058	35.11	53,517	5.5
2018	36,455.89	4,025	3,999	0.0997	36,102	35.98	1,003	4.5
2019	980,317.26	84,502	83,952	0.0779	994,397	36.87	26,974	3.5

# American Water Works - Indiana

Account #: 310.000 - Power Generation Equipment

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 271 of 375  
 Survivor Curve: R2  
 ASL: 40  
 Net Salvage: -10%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2020	193,534.83	11,959	11,881	0.0558	201,007	37.75	5,324	2.5
2021	24,585.54	915	909	0.0336	26,135	38.65	676	1.5
2022	599,437.75	7,456	7,407	0.0112	651,974	39.55	16,486	0.5
<b>TOTAL</b>	<b>13,665,481.11</b>	<b>3,527,561</b>	<b>3,504,604</b>		<b>11,527,425</b>		<b>376,728</b>	

COMPOSITE ANNUAL ACCRUAL RATE	2.76%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.26
COMPOSITE AVERAGE AGE (YEARS)	11.09
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	30.61

# American Water Works - Indiana

Account #: 311.200 - Pumping Equipment - Electric

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 272 of 375  
 Survivor Curve: R1  
 ASL: 40  
 Net Salvage: -5%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1910	678.63	713	713	1.0000	0		0	113.5
1915	26.14	27	27	1.0001	0		0	108.5
1920	54.31	57	57	1.0001	0		0	103.5
1923	7,036.38	7,388	7,388	1.0000	0		0	100.5
1925	239.40	251	251	1.0000	0		0	98.5
1931	100.46	105	105	1.0000	0		0	92.5
1941	14.40	15	15	1.0000	0		0	82.5
1944	735.51	758	772	1.0000	0	0.72	0	78.5
1945	74.32	76	78	1.0001	0	1.02	0	77.5
1947	36,829.79	37,062	38,671	1.0000	0	1.66	0	75.5
1948	405.79	405	426	1.0000	0	2.00	0	74.5
1949	3,061.23	3,028	3,214	1.0000	0	2.32	0	73.5
1950	3,465.91	3,401	3,639	1.0000	0	2.62	0	72.5
1951	3,210.57	3,125	3,371	1.0000	0	2.92	0	71.5
1952	7,817.58	7,548	8,208	1.0000	0	3.22	0	70.5
1953	2,770.06	2,653	2,909	1.0000	0	3.51	0	69.5
1954	230,783.15	219,258	242,322	1.0000	0	3.81	0	68.5
1955	7,903.38	7,447	8,299	1.0000	0	4.11	0	67.5
1956	9,981.86	9,326	10,481	1.0000	0	4.41	0	66.5
1957	13,960.52	12,930	14,659	1.0000	0	4.72	0	65.5
1958	34,786.60	31,933	36,526	1.0000	0	5.03	0	64.5
1959	77,110.84	70,142	80,966	1.0000	0	5.35	0	63.5
1960	7,324.68	6,600	7,691	1.0000	0	5.67	0	62.5
1961	95,399.64	85,142	100,170	1.0000	0	6.00	0	61.5
1962	28,031.64	24,771	29,433	1.0000	0	6.34	0	60.5
1963	10,598.09	9,270	11,128	1.0000	0	6.68	0	59.5
1964	28,328.71	24,521	29,745	1.0000	0	7.02	0	58.5
1965	200,800.35	171,950	210,840	1.0000	0	7.38	0	57.5

# American Water Works - Indiana

Account #: 311.200 - Pumping Equipment - Electric

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 273 of 375  
 Survivor Curve: R1  
 ASL: 40  
 Net Salvage: -5%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1966	25,736.71	21,796	27,024	1.0000	0	7.74	0	56.5
1967	376,172.67	314,956	394,981	1.0000	0	8.10	0	55.5
1969	26,665.23	21,799	27,998	1.0000	0	8.86	0	53.5
1970	7,771.94	6,275	8,161	1.0000	0	9.24	0	52.5
1971	45,601.89	36,348	47,882	1.0000	0	9.64	0	51.5
1972	17,376.64	13,668	18,245	1.0000	0	10.04	0	50.5
1973	19,036.57	14,770	19,988	1.0000	0	10.44	0	49.5
1974	16,517.17	12,636	17,343	1.0000	0	10.86	0	48.5
1975	44,992.20	33,921	47,242	1.0000	0	11.28	0	47.5
1976	19,048.35	14,146	20,001	1.0000	0	11.71	0	46.5
1977	30,041.51	21,966	31,544	1.0000	0	12.15	0	45.5
1978	26,918.24	19,368	28,264	1.0000	0	12.59	0	44.5
1979	45,301.21	32,055	47,566	1.0000	0	13.04	0	43.5
1980	225,625.03	156,923	236,906	1.0000	0	13.50	0	42.5
1981	62,230.96	42,515	65,343	1.0000	0	13.97	0	41.5
1982	774,822.25	519,634	813,563	1.0000	0	14.45	0	40.5
1983	26,721.28	17,580	28,057	1.0000	0	14.94	0	39.5
1984	156,249.70	100,768	164,062	1.0000	0	15.43	0	38.5
1985	83,675.46	52,859	87,859	1.0000	0	15.93	0	37.5
1986	228,475.63	141,262	239,899	1.0000	0	16.45	0	36.5
1987	74,567.81	45,085	78,296	1.0000	0	16.97	0	35.5
1988	80,537.65	47,576	84,565	1.0000	0	17.50	0	34.5
1989	200,122.94	115,393	210,129	1.0000	0	18.03	0	33.5
1990	361,516.83	203,267	379,593	1.0000	0	18.58	0	32.5
1991	630,978.31	345,577	655,137	0.9888	7,391	19.14	386	31.5
1992	420,148.03	223,888	424,442	0.9621	16,714	19.70	848	30.5
1993	396,283.36	205,215	389,041	0.9350	27,056	20.27	1,335	29.5
1994	3,167,969.56	1,592,205	3,018,467	0.9074	307,901	20.85	14,765	28.5

# American Water Works - Indiana

Account #: 311.200 - Pumping Equipment - Electric

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life  
 Page 274 of 375  
 Survivor Curve: R1  
 ASL: 40  
 Net Salvage: -5%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1995	1,569,381.94	764,481	1,449,286	0.8795	198,565	21.44	9,260	27.5
1996	615,946.66	290,379	550,493	0.8512	96,251	22.04	4,367	26.5
1997	4,167,843.00	1,898,606	3,599,335	0.8225	776,900	22.65	34,306	25.5
1998	734,266.63	322,663	611,696	0.7934	159,284	23.26	6,848	24.5
1999	4,301,911.33	1,820,293	3,450,870	0.7640	1,066,137	23.88	44,645	23.5
2000	963,397.77	391,762	742,694	0.7342	268,874	24.51	10,971	22.5
2001	2,701,849.79	1,053,653	1,997,492	0.7041	839,450	25.14	33,386	21.5
2002	965,084.66	360,102	682,673	0.6737	330,666	25.79	12,824	20.5
2003	463,988.34	165,236	313,251	0.6430	173,937	26.43	6,580	19.5
2004	306,645.21	103,940	197,046	0.6120	124,931	27.09	4,612	18.5
2005	342,800.93	110,262	209,032	0.5807	150,909	27.75	5,439	17.5
2006	4,076,820.65	1,240,197	2,351,138	0.5492	1,929,523	28.41	67,914	16.5
2007	111,455.45	31,948	60,565	0.5175	56,463	29.08	1,942	15.5
2010	1,998.33	466	884	0.4212	1,215	31.11	39	12.5
2011	908,384.23	195,558	370,735	0.3887	583,069	31.80	18,336	11.5
2012	186,485.28	36,773	69,714	0.3560	126,095	32.49	3,881	10.5
2013	1,377,577.92	246,587	467,474	0.3232	978,982	33.18	29,504	9.5
2014	1,589,444.28	255,423	484,225	0.2901	1,184,691	33.88	34,969	8.5
2015	669,460.89	95,253	180,579	0.2569	522,355	34.58	15,106	7.5
2016	406,441.39	50,296	95,350	0.2234	331,413	35.29	9,392	6.5
2017	447,266.15	47,001	89,103	0.1897	380,526	36.00	10,571	5.5
2018	595,183.20	51,359	97,366	0.1558	527,577	36.71	14,370	4.5
2019	3,577,422.10	240,980	456,844	0.1216	3,299,449	37.43	88,141	3.5
2020	125,452.00	6,058	11,485	0.0872	120,240	38.16	3,151	2.5
2021	438,508.38	12,749	24,169	0.0525	436,265	38.89	11,217	1.5
2022	638,078.32	6,192	11,740	0.0175	658,243	39.63	16,610	0.5

# American Water Works - Indiana

Account #: 311.200 - Pumping Equipment - Electric

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 275 of 375  
 Survivor Curve: R1  
 ASL: 40  
 Net Salvage: -5%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
TOTAL	40,685,729.90	14,911,569	27,038,945		15,681,072		515,715	
COMPOSITE ANNUAL ACCRUAL RATE				1.27%				
THEORETICAL ACCUMULATED DEPRECIATION FACTOR				0.66				
COMPOSITE AVERAGE AGE (YEARS)				20.87				
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)				26.04				

# American Water Works - Indiana

Account #: 311.300 - Pumping Equipment - Diesel

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 276 of 375  
 Survivor Curve: S0  
 ASL: 35  
 Net Salvage: -5%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1966	13,491.14	12,118	14,166	1.0000	0	5.06	0	56.5
1969	41,809.47	36,095	43,900	1.0000	0	6.22	0	53.5
1973	5,131.10	4,186	5,267	0.9777	120	7.81	15	49.5
1980	461.51	337	424	0.8746	61	10.67	6	42.5
1982	62,089.27	43,737	55,033	0.8441	10,160	11.52	882	40.5
1986	604.79	395	496	0.7818	139	13.25	10	36.5
1988	15,360.55	9,611	12,094	0.7498	4,035	14.14	285	34.5
1991	910.00	532	669	0.7006	286	15.51	18	31.5
1996	86,791.51	44,547	56,052	0.6151	35,079	17.89	1,961	26.5
1997	44,709.14	22,286	28,041	0.5973	18,903	18.38	1,028	25.5
1998	68,795.59	33,260	41,850	0.5794	30,386	18.88	1,609	24.5
2000	9,509.75	4,306	5,418	0.5426	4,567	19.91	229	22.5
2001	4,965.53	2,171	2,731	0.5239	2,482	20.43	122	21.5
2003	38,585.35	15,633	19,670	0.4855	20,844	21.50	970	19.5
2004	8,305.11	3,229	4,062	0.4658	4,658	22.04	211	18.5
2005	198,256.98	73,761	92,811	0.4458	115,359	22.60	5,105	17.5
2006	23,518.61	8,350	10,507	0.4255	14,188	23.17	612	16.5
<b>TOTAL</b>	<b>623,295.40</b>	<b>314,552</b>	<b>393,192</b>		<b>261,268</b>		<b>13,063</b>	

COMPOSITE ANNUAL ACCRUAL RATE	2.10%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.63
COMPOSITE AVERAGE AGE (YEARS)	26.60
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	18.18

# American Water Works - Indiana

Account #: 311.400 - Pumping Equipment - Hydraulic

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 27 of 375  
 Survivor Curve: R2.5  
 ASL: 40  
 Net Salvage: -5%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2003	21,023.22	9,482	9,289	0.4208	12,785	22.82	560	19.5
2004	13,517.15	5,813	5,695	0.4012	8,498	23.62	360	18.5
2006	13,670.83	5,294	5,187	0.3613	9,168	25.25	363	16.5
2007	5,652.49	2,066	2,024	0.3410	3,911	26.08	150	15.5
2011	3,247.06	895	877	0.2572	2,532	29.50	86	11.5
2022	76,971.89	955	935	0.0116	79,885	39.53	2,021	0.5
<b>TOTAL</b>	<b>134,082.64</b>	<b>24,506</b>	<b>24,007</b>		<b>116,780</b>		<b>3,540</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	2.64%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.18
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	7.82
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	33.04



# American Water Works - Indiana

Account #: 311.500 - Pumping Equipment - Other

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 278 of 375  
 Survivor Curve: R1.5  
 ASL: 36  
 Net Salvage: -15%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1969	1,036.06	1,018	-616	-0.5168	1,807	5.24	345	53.5
1986	232.24	183	-111	-0.4144	378	11.34	33	36.5
1991	90,121.11	63,822	-38,603	-0.3725	142,243	13.83	10,284	31.5
1994	529,571.38	346,833	-209,787	-0.3445	818,794	15.50	52,833	28.5
1996	1,057.00	652	-395	-0.3247	1,610	16.68	97	26.5
2000	10,544.01	5,664	-3,426	-0.2825	15,551	19.18	811	22.5
2001	1,753.26	905	-547	-0.2715	2,564	19.84	129	21.5
2002	2,547.52	1,261	-763	-0.2603	3,692	20.51	180	20.5
2004	7,647.24	3,451	-2,087	-0.2373	10,882	21.87	497	18.5
2005	32,913.26	14,119	-8,540	-0.2256	46,390	22.57	2,055	17.5
2006	24,637.93	10,013	-6,057	-0.2138	34,390	23.28	1,477	16.5
2007	984.00	377	-228	-0.2017	1,360	23.99	57	15.5
2011	42,808.65	12,397	-7,499	-0.1523	56,729	26.93	2,106	11.5
2012	22,356.96	5,936	-3,591	-0.1397	29,301	27.69	1,058	10.5
2013	15,817.31	3,816	-2,308	-0.1269	20,498	28.45	721	9.5
2014	12,522.41	2,714	-1,642	-0.1140	16,042	29.22	549	8.5
2015	28,649.98	5,502	-3,328	-0.1010	36,275	29.99	1,210	7.5
2016	42,591.06	7,118	-4,305	-0.0879	53,285	30.77	1,732	6.5
2017	5,391.66	766	-463	-0.0747	6,663	31.56	211	5.5
2018	4,448.44	519	-314	-0.0614	5,430	32.35	168	4.5
2019	1,082,389.49	98,604	-59,642	-0.0479	1,304,390	33.15	39,350	3.5
2020	2,052,453.87	134,129	-81,130	-0.0344	2,441,452	33.95	71,904	2.5
2021	908,652.33	35,795	-21,651	-0.0207	1,066,601	34.77	30,679	1.5
2022	1,097,369.35	14,520	-8,783	-0.0070	1,270,758	35.59	35,710	0.5

# American Water Works - Indiana

Account #: 311.500 - Pumping Equipment - Other

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life  
 Page 279 of 375  
 Survivor Curve: R1.5  
 ASL: 36  
 Net Salvage: -15%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
TOTAL	6,018,496.52	770,114	-465,815		7,387,086		254,196	
COMPOSITE ANNUAL ACCRUAL RATE				4.22%				
THEORETICAL ACCUMULATED DEPRECIATION FACTOR				-0.08				
COMPOSITE AVERAGE AGE (YEARS)				5.29				
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)				31.99				

# American Water Works - Indiana

Account #: 311.520 - Pumping Equipment - SOS & Pumping

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 280 of 375  
 Survivor Curve: R1.5  
 ASL: 36  
 Net Salvage: -10%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2002	268,837.62	127,259	101,375	0.3428	194,346	20.51	9,477	20.5
2006	981.50	382	304	0.2815	776	23.28	33	16.5
2007	68,786.27	25,237	20,104	0.2657	55,561	23.99	2,316	15.5
2008	207,202.69	71,437	56,907	0.2497	171,016	24.72	6,919	14.5
2009	3,514,768.27	1,133,183	902,696	0.2335	2,963,549	25.45	116,453	13.5
2010	897,990.68	269,233	214,471	0.2171	773,319	26.19	29,530	12.5
2011	560,033.89	155,134	123,580	0.2006	492,457	26.93	18,284	11.5
2012	116,971.61	29,709	23,666	0.1839	105,003	27.69	3,792	10.5
2013	416,151.28	96,027	76,495	0.1671	381,271	28.45	13,402	9.5
2014	110,956.69	23,003	18,324	0.1501	103,728	29.22	3,550	8.5
2015	538,990.82	99,003	78,866	0.1330	514,024	29.99	17,141	7.5
2016	387,925.56	62,009	49,396	0.1158	377,322	30.77	12,263	6.5
2017	123,006.75	16,705	13,307	0.0983	122,000	31.56	3,866	5.5
2018	546,913.06	61,019	48,608	0.0808	552,996	32.35	17,095	4.5
2019	45,972.53	4,006	3,191	0.0631	47,379	33.15	1,429	3.5
2020	45,554.70	2,848	2,268	0.0453	47,842	33.95	1,409	2.5
2021	7,409.07	279	222	0.0273	7,928	34.77	228	1.5
<b>TOTAL</b>	<b>7,858,452.99</b>	<b>2,176,472</b>	<b>1,733,782</b>		<b>6,910,516</b>		<b>257,187</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	3.27%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.22
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	11.56
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	26.94

# American Water Works - Indiana

Account #: 311.530 - Pumping Equipment - Water Treatment

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2007	45,702.97	16,768	4,275	0.0850	45,998	23.99	1,917	15.5
2008	29,890.76	10,305	2,627	0.0799	30,252	24.72	1,224	14.5
2012	69,669.56	17,695	4,511	0.0589	72,125	27.69	2,605	10.5
2019	402,830.76	35,102	8,950	0.0202	434,164	33.15	13,098	3.5
2020	765,655.43	47,861	12,203	0.0145	830,018	33.95	24,445	2.5
2021	41,448.75	1,562	398	0.0087	45,195	34.77	1,300	1.5
2022	2,274,837.28	28,792	7,341	0.0029	2,494,980	35.59	70,112	0.5
<b>TOTAL</b>	<b>3,630,035.51</b>	<b>158,084</b>	<b>40,305</b>		<b>3,952,734</b>		<b>114,701</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	3.16%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.01
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	1.76
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	34.57

# American Water Works - Indiana

Account #: 311.540 - Pumping Equipment - Transmission and Distribution

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 282 of 375  
 Survivor Curve: R1.5  
 ASL: 36  
 Net Salvage: -10%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1963	211.77	210	148	0.6338	85	3.61	24	59.5
1983	822.25	653	459	0.5072	446	10.02	45	39.5
1995	1,353.19	824	579	0.3888	910	16.08	57	27.5
2003	270,325.90	122,365	85,987	0.2892	211,371	21.19	9,977	19.5
2006	10,903.80	4,239	2,979	0.2483	9,016	23.28	387	16.5
2012	164,548.65	41,792	29,368	0.1622	151,636	27.69	5,477	10.5
2013	59,569.84	13,746	9,659	0.1474	55,868	28.45	1,964	9.5
2014	1,435.42	298	209	0.1324	1,370	29.22	47	8.5
2015	13,421.60	2,465	1,732	0.1173	13,031	29.99	435	7.5
2016	58,453.98	9,344	6,566	0.1021	57,733	30.77	1,876	6.5
2017	184,930.79	25,115	17,649	0.0868	185,775	31.56	5,887	5.5
2018	8,074.78	901	633	0.0713	8,249	32.35	255	4.5
2019	188,987.96	16,468	11,572	0.0557	196,315	33.15	5,922	3.5
2020	17,378.02	1,086	763	0.0399	18,352	33.95	541	2.5
<b>TOTAL</b>	<b>980,417.95</b>	<b>239,505</b>	<b>168,302</b>		<b>910,157</b>		<b>32,894</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	3.36%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.17
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	10.28
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	28.01

# American Water Works - Indiana

Account #: 320.100 - Water Treatment Equipment - Non-Media

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 283 of 375  
 Survivor Curve: R1  
 ASL: 45  
 Net Salvage: -30%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1917	13,794.53	17,933	17,933	1.0000	0		0	106.5
1923	13,000.00	16,900	16,900	1.0000	0		0	100.5
1924	71,405.95	92,828	92,828	1.0000	0		0	99.5
1932	65.90	86	86	1.0000	0		0	91.5
1939	6,391.94	7,878	8,310	1.0000	0	2.34	0	83.5
1947	387.09	450	503	1.0000	0	4.75	0	75.5
1948	504.91	583	656	1.0000	0	5.05	0	74.5
1949	3,997.69	4,578	5,197	1.0000	0	5.36	0	73.5
1953	46,766.95	51,820	60,797	1.0000	0	6.64	0	69.5
1954	131.55	144	171	1.0000	0	6.98	0	68.5
1955	11,319.68	12,323	14,716	1.0000	0	7.32	0	67.5
1956	802.94	866	1,044	1.0000	0	7.66	0	66.5
1958	1,460.52	1,546	1,899	1.0000	0	8.37	0	64.5
1959	56,363.45	59,064	73,272	1.0000	0	8.73	0	63.5
1960	63,002.53	65,354	81,903	1.0000	0	9.09	0	62.5
1961	514,686.92	528,369	669,093	1.0000	0	9.46	0	61.5
1962	249.79	254	323	0.9943	2	9.84	0	60.5
1963	189.65	191	242	0.9834	4	10.23	0	59.5
1964	7,874.01	7,821	9,953	0.9724	283	10.62	27	58.5
1966	8,082.54	7,842	9,980	0.9498	528	11.42	46	56.5
1967	256,998.00	246,312	313,460	0.9382	20,637	11.82	1,745	55.5
1968	78.40	74	94	0.9265	7	12.24	1	54.5
1969	3,289.84	3,073	3,911	0.9145	365	12.66	29	53.5
1970	550.17	507	645	0.9024	70	13.09	5	52.5
1971	50,886.59	46,269	58,883	0.8901	7,269	13.53	537	51.5
1972	20,156.24	18,070	22,996	0.8776	3,207	13.97	230	50.5
1973	7,875.05	6,958	8,854	0.8649	1,383	14.42	96	49.5
1974	37,342.91	32,500	41,360	0.8520	7,186	14.87	483	48.5

# American Water Works - Indiana

Account #: 320.100 - Water Treatment Equipment - Non-Media

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 284 of 375  
 Survivor Curve: R1  
 ASL: 45  
 Net Salvage: -30%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1975	24,123.80	20,672	26,307	0.8389	5,053	15.34	329	47.5
1976	27,179.81	22,921	29,169	0.8255	6,164	15.81	390	46.5
1977	9,055.48	7,511	9,559	0.8120	2,213	16.29	136	45.5
1978	505,625.25	412,309	524,710	0.7983	132,603	16.77	7,906	44.5
1979	715.50	573	730	0.7843	201	17.27	12	43.5
1980	31,506.96	24,787	31,544	0.7701	9,415	17.77	530	42.5
1981	14,182.40	10,949	13,934	0.7557	4,503	18.28	246	41.5
1982	2,246,423.36	1,700,744	2,164,392	0.7411	755,958	18.79	40,225	40.5
1983	3,493,992.29	2,592,330	3,299,037	0.7263	1,243,153	19.32	64,354	39.5
1984	153,604.90	111,604	142,029	0.7113	57,657	19.85	2,905	38.5
1985	150,976.67	107,340	136,603	0.6960	59,667	20.39	2,926	37.5
1986	1,219,938.43	848,047	1,079,237	0.6805	506,683	20.94	24,200	36.5
1987	44,339.66	30,112	38,320	0.6648	19,321	21.49	899	35.5
1988	83,037.39	55,041	70,046	0.6489	37,903	22.06	1,719	34.5
1989	3,737,817.44	2,415,953	3,074,578	0.6327	1,784,585	22.63	78,872	33.5
1990	298,012.13	187,643	238,798	0.6164	148,618	23.20	6,405	32.5
1991	4,435,540.39	2,717,805	3,458,718	0.5998	2,307,484	23.79	96,994	31.5
1992	2,772,337.95	1,651,187	2,101,325	0.5830	1,502,714	24.38	61,629	30.5
1993	57,963.39	33,517	42,655	0.5661	32,698	24.98	1,309	29.5
1994	3,360,306.50	1,884,132	2,397,775	0.5489	1,970,624	25.59	77,004	28.5
1995	77,736.62	42,208	53,714	0.5315	47,343	26.21	1,807	27.5
1996	181,726.80	95,411	121,421	0.5140	114,824	26.83	4,280	26.5
1997	7,495,337.81	3,799,341	4,835,097	0.4962	4,908,842	27.45	178,805	25.5
1998	439,066.08	214,523	273,005	0.4783	297,781	28.09	10,602	24.5
1999	11,954,989.19	5,620,216	7,152,371	0.4602	8,389,115	28.73	292,031	23.5
2000	529,172.80	238,910	304,041	0.4420	383,884	29.37	13,070	22.5
2001	1,827,037.42	790,519	1,006,026	0.4236	1,369,122	30.02	45,603	21.5
2002	3,245,498.50	1,342,769	1,708,828	0.4050	2,510,320	30.68	81,827	20.5

# American Water Works - Indiana

Account #: 320.100 - Water Treatment Equipment - Non-Media

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 285 of 375  
 Survivor Curve: R1  
 ASL: 45  
 Net Salvage: -30%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2003	53,035.77	20,931	26,637	0.3863	42,310	31.34	1,350	19.5
2004	557,731.91	209,396	266,481	0.3675	458,571	32.00	14,329	18.5
2005	2,885,577.79	1,027,578	1,307,711	0.3486	2,443,540	32.67	74,787	17.5
2006	284,821.28	95,887	122,028	0.3296	248,240	33.35	7,444	16.5
2007	175,971.59	55,801	71,013	0.3104	157,750	34.02	4,637	15.5
2008	3,235,642.78	962,441	1,224,817	0.2912	2,981,519	34.70	85,914	14.5
2009	8,165,639.42	2,267,606	2,885,789	0.2719	7,729,542	35.39	218,427	13.5
2010	117,892.21	30,399	38,686	0.2524	114,574	36.07	3,176	12.5
2011	6,053,498.23	1,440,153	1,832,760	0.2329	6,036,787	36.76	164,200	11.5
2012	1,883,457.84	410,326	522,187	0.2133	1,926,308	37.46	51,425	10.5
2013	1,754,900.28	346,954	441,539	0.1935	1,839,832	38.16	48,218	9.5
2014	1,631,380.17	289,470	368,384	0.1737	1,752,411	38.86	45,098	8.5
2015	1,374,678.54	215,895	274,751	0.1537	1,512,331	39.56	38,225	7.5
2016	482,784.80	65,921	83,892	0.1337	543,728	40.27	13,501	6.5
2017	1,679,860.01	194,714	247,796	0.1135	1,936,022	40.99	47,234	5.5
2018	711,536.19	67,702	86,158	0.0931	838,839	41.71	20,113	4.5
2019	12,752,898.52	946,816	1,204,932	0.0727	15,373,837	42.43	362,334	3.5
2020	22,455,122.90	1,194,609	1,520,277	0.0521	27,671,383	43.16	641,158	2.5
2021	5,110,762.30	163,620	208,226	0.0313	6,435,765	43.89	146,628	1.5
2022	23,164,838.14	247,495	314,965	0.0105	29,799,324	44.63	667,695	0.5
<b>TOTAL</b>	<b>144,146,931.33</b>	<b>38,463,379</b>	<b>48,899,007</b>		<b>138,492,003</b>		<b>3,756,107</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	2.61%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.34
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	13.53
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	35.76



# American Water Works - Indiana

Account #: 320.190 - Water Treatment Equipment - Basin, Clearwell

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life  
 Page 286 of 375  
 Survivor Curve: R2.5  
 ASL: 45  
 Net Salvage: -30%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1996	2,447.07	1,615	1,526	0.4797	1,655	22.16	75	26.5
1999	2,400,828.71	1,425,839	1,347,365	0.4317	1,773,712	24.44	72,568	23.5
2000	540,036.08	308,519	291,539	0.4153	410,508	25.22	16,274	22.5
2001	126,895.23	69,587	65,757	0.3986	99,206	26.02	3,813	21.5
2002	116,092.49	60,971	57,615	0.3818	93,305	26.82	3,479	20.5
2003	458,684.37	230,136	217,470	0.3647	378,820	27.63	13,709	19.5
2004	43,546.83	20,815	19,670	0.3475	36,941	28.45	1,298	18.5
2005	1,675,801.67	760,815	718,942	0.3300	1,459,600	29.28	49,842	17.5
2006	128,714.27	55,314	52,270	0.3124	115,059	30.12	3,819	16.5
2007	80,783.40	32,737	30,935	0.2946	74,084	30.97	2,392	15.5
2008	2,163,820.79	823,330	778,017	0.2766	2,034,950	31.83	63,934	14.5
2009	9,050,025.80	3,217,550	3,040,465	0.2584	8,724,568	32.69	266,862	13.5
2010	98,184.93	32,433	30,648	0.2401	96,992	33.57	2,890	12.5
2011	6,798,266.49	2,072,870	1,958,785	0.2216	6,878,961	34.45	199,706	11.5
2012	874,536.09	244,252	230,809	0.2030	906,087	35.33	25,645	10.5
2013	638,332.55	161,805	152,900	0.1843	676,933	36.23	18,687	9.5
2014	8,992,153.62	2,045,493	1,932,916	0.1654	9,756,884	37.13	262,806	8.5
2015	2,487,655.11	500,733	473,174	0.1463	2,760,777	38.03	72,590	7.5
2016	2,225,290.73	389,270	367,846	0.1272	2,525,032	38.94	64,836	6.5
2017	873,902.86	129,698	122,560	0.1079	1,013,514	39.86	25,425	5.5
2018	732,584.93	89,186	84,278	0.0885	868,083	40.79	21,284	4.5
2019	9,085,582.88	862,386	814,923	0.0690	10,996,335	41.71	263,610	3.5
2020	1,372,267.81	93,257	88,124	0.0494	1,695,824	42.65	39,764	2.5
2021	444,676.65	18,174	17,174	0.0297	560,906	43.59	12,869	1.5
2022	14,665,982.56	200,340	189,314	0.0099	18,876,464	44.53	423,932	0.5

# American Water Works - Indiana

Account #: 320.190 - Water Treatment Equipment - Basin, Clearwell

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 287 of 375  
 Survivor Curve: R2.5  
 ASL: 45  
 Net Salvage: -30%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
TOTAL	66,077,093.92	13,847,126	13,085,022		72,815,200		1,932,109	
COMPOSITE ANNUAL ACCRUAL RATE				2.92%				
THEORETICAL ACCUMULATED DEPRECIATION FACTOR				0.20				
COMPOSITE AVERAGE AGE (YEARS)				7.95				
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)				37.75				

# American Water Works - Indiana

Account #: 320.200 - Water Treatment Equipment - Filter Media

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 286 of 375  
 Survivor Curve: S0.5  
 ASL: 10  
 Net Salvage: -10%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2008	219,511.06	195,386	153,657	0.6364	87,806	1.91	46,014	14.5
2009	264,634.03	225,392	177,255	0.6089	113,843	2.26	50,436	13.5
2010	339,847.97	275,886	216,964	0.5804	156,869	2.62	59,872	12.5
2011	530,754.56	408,705	321,417	0.5505	262,413	3.00	87,483	11.5
2012	263,356.33	191,236	150,393	0.5191	139,299	3.40	40,987	10.5
2013	64,083.67	43,560	34,257	0.4860	36,235	3.82	9,484	9.5
2014	1,004,591.09	633,272	498,022	0.4507	607,028	4.27	142,185	8.5
2015	385,762.97	222,812	175,225	0.4129	249,114	4.75	52,454	7.5
2016	416,234.26	216,773	170,476	0.3723	287,381	5.27	54,578	6.5
2017	431,937.45	198,411	156,036	0.3284	319,096	5.82	54,789	5.5
2018	353,587.37	138,783	109,143	0.2806	279,803	6.43	43,503	4.5
2019	553,170.89	176,681	138,947	0.2283	469,541	7.10	66,166	3.5
2020	197,897.80	47,320	37,214	0.1710	180,474	7.83	23,060	2.5
2021	62,334.80	9,391	7,386	0.1077	61,183	8.63	7,089	1.5
2022	529,395.98	28,028	22,042	0.0379	560,293	9.52	58,862	0.5
<b>TOTAL</b>	<b>5,617,100.23</b>	<b>3,011,637</b>	<b>2,368,434</b>		<b>3,810,376</b>		<b>796,962</b>	

COMPOSITE ANNUAL ACCRUAL RATE	14.19%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.42
COMPOSITE AVERAGE AGE (YEARS)	7.37
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	5.13

# American Water Works - Indiana

Account #: 330.000 - Distribution Reservoirs and Standpipes

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 289 of 375  
 Survivor Curve: S0  
 ASL: 60  
 Net Salvage: -30%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1900	30,913.67	40,188	39,204	0.9755	984		984	123.5
1902	11,847.09	15,401	15,024	0.9755	377		377	121.5
1924	351.51	396	386	0.8449	71	8.03	9	98.5
1925	2,546.97	2,847	2,777	0.8387	534	8.41	63	97.5
1947	35,557.16	32,983	32,175	0.6961	14,049	17.19	817	75.5
1948	63,011.42	57,881	56,463	0.6893	25,451	17.60	1,446	74.5
1949	159,843.67	145,382	141,821	0.6825	65,976	18.02	3,661	73.5
1954	186,336.15	160,929	156,988	0.6481	85,249	20.14	4,233	68.5
1955	570,258.55	487,199	475,267	0.6411	266,069	20.57	12,936	67.5
1956	3,841.92	3,246	3,167	0.6341	1,828	21.00	87	66.5
1957	2,821.00	2,357	2,300	0.6270	1,368	21.43	64	65.5
1958	111,896.23	92,445	90,181	0.6200	55,284	21.87	2,528	64.5
1959	23,574.00	19,253	18,781	0.6128	11,865	22.31	532	63.5
1960	3,027.77	2,444	2,384	0.6057	1,552	22.75	68	62.5
1961	266,333.58	212,418	207,216	0.5985	139,018	23.19	5,995	61.5
1962	230,819.22	181,869	177,415	0.5913	122,650	23.63	5,190	60.5
1963	15,481.93	12,049	11,754	0.5840	8,373	24.08	348	59.5
1966	179,226.23	134,213	130,926	0.5619	102,068	25.44	4,012	56.5
1967	164,986.21	121,914	118,929	0.5545	95,554	25.90	3,690	55.5
1968	192,875.62	140,600	137,156	0.5470	113,582	26.36	4,310	54.5
1969	1,980.99	1,424	1,389	0.5395	1,186	26.82	44	53.5
1970	116,545.00	82,612	80,588	0.5319	70,920	27.28	2,599	52.5
1972	113,860.04	78,388	76,468	0.5166	71,550	28.23	2,535	50.5
1973	404,805.86	274,525	267,802	0.5089	258,446	28.70	9,005	49.5
1975	1,464,350.85	962,622	939,047	0.4933	964,609	29.66	32,522	47.5
1978	219,865.00	137,553	134,184	0.4695	151,641	31.13	4,872	44.5
1980	1,979.78	1,196	1,167	0.4533	1,407	32.12	44	42.5
1981	13,634.34	8,087	7,889	0.4451	9,835	32.62	301	41.5

# American Water Works - Indiana

Account #: 330.000 - Distribution Reservoirs and Standpipes

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 290 of 375  
 Survivor Curve: S0  
 ASL: 60  
 Net Salvage: -30%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1984	414,269.42	231,947	226,266	0.4201	312,284	34.16	9,142	38.5
1985	7,694.67	4,221	4,118	0.4117	5,885	34.68	170	37.5
1986	875,989.96	470,622	459,097	0.4031	679,690	35.20	19,307	36.5
1987	48,510.49	25,505	24,881	0.3945	38,183	35.73	1,069	35.5
1988	255,912.61	131,587	128,364	0.3858	204,322	36.27	5,634	34.5
1989	336,853.53	169,268	165,123	0.3771	272,787	36.81	7,411	33.5
1990	9,011.74	4,422	4,314	0.3682	7,402	37.35	198	32.5
1991	149,493.59	71,573	69,820	0.3593	124,522	37.90	3,285	31.5
1992	1,011,604.34	472,147	460,583	0.3502	854,502	38.46	22,219	30.5
1993	447,055.70	203,215	198,238	0.3411	382,934	39.02	9,814	29.5
1994	1,704,384.58	753,784	735,323	0.3319	1,480,377	39.59	37,395	28.5
1995	480.55	207	202	0.3225	423	40.16	11	27.5
1996	153,212.82	63,929	62,364	0.3131	136,813	40.74	3,358	26.5
1997	1,017,806.24	411,739	401,656	0.3036	921,493	41.33	22,296	25.5
1998	2,677,773.99	1,048,803	1,023,117	0.2939	2,457,989	41.92	58,631	24.5
1999	2,489,471.99	942,619	919,534	0.2841	2,316,780	42.52	54,481	23.5
2000	2,494,293.64	911,531	889,206	0.2742	2,353,375	43.13	54,561	22.5
2001	2,873,399.74	1,011,690	986,913	0.2642	2,748,507	43.75	62,823	21.5
2002	313,130.07	106,009	103,413	0.2540	303,656	44.37	6,843	20.5
2003	2,711,425.68	880,713	859,144	0.2437	2,665,709	45.01	59,227	19.5
2004	537,692.59	167,168	163,074	0.2333	535,926	45.65	11,740	18.5
2005	2,588,015.80	768,055	749,245	0.2227	2,615,176	46.30	56,480	17.5
2006	186,992.73	52,812	51,519	0.2119	191,572	46.96	4,079	16.5
2007	7,683,906.81	2,058,304	2,007,894	0.2010	7,981,185	47.64	167,543	15.5
2008	2,860,850.88	724,007	706,275	0.1899	3,012,831	48.32	62,352	14.5
2009	3,795,401.03	903,387	881,263	0.1786	4,052,759	49.01	82,685	13.5
2010	495,382.74	110,332	107,630	0.1671	536,368	49.72	10,788	12.5
2011	3,638,214.81	753,608	735,152	0.1554	3,994,528	50.44	79,194	11.5

# American Water Works - Indiana

Account #: 330.000 - Distribution Reservoirs and Standpipes

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 291 of 375  
 Survivor Curve: S0  
 ASL: 60  
 Net Salvage: -30%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2012	957,747.02	183,172	178,686	0.1435	1,066,385	51.17	20,839	10.5
2013	2,826,737.49	494,887	482,766	0.1314	3,191,992	51.92	61,479	9.5
2014	1,308,366.13	207,449	202,368	0.1190	1,498,508	52.68	28,444	8.5
2015	1,095,110.37	155,149	151,350	0.1063	1,272,294	53.46	23,798	7.5
2016	1,213,357.79	150,979	147,282	0.0934	1,430,083	54.26	26,358	6.5
2017	345,145.31	36,851	35,948	0.0801	412,741	55.07	7,495	5.5
2018	2,279,840.47	202,103	197,153	0.0665	2,766,639	55.91	49,485	4.5
2019	5,072,868.67	355,395	346,691	0.0526	6,248,038	56.77	110,065	3.5
2020	939,729.93	47,843	46,671	0.0382	1,174,978	57.65	20,381	2.5
2021	953,909.29	29,688	28,961	0.0234	1,211,121	58.56	20,680	1.5
2022	871,742.93	9,246	9,020	0.0080	1,124,246	59.51	18,892	0.5
<b>TOTAL</b>	<b>64,235,359.90</b>	<b>18,738,388</b>	<b>18,279,469</b>		<b>65,226,499</b>		<b>1,403,924</b>	

COMPOSITE ANNUAL ACCRUAL RATE	2.19%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.28
COMPOSITE AVERAGE AGE (YEARS)	18.27
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	46.54

# American Water Works - Indiana

Account #: 330.010 - Tank Repainting

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 292 of 375  
 Survivor Curve: SQ  
 ASL: 25  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2008	910,953.44	528,353	718,015	0.7882	192,938	10.50	18,375	14.5
2009	786,654.32	424,793	577,281	0.7338	209,373	11.50	18,206	13.5
2010	771,645.85	385,823	524,321	0.6795	247,324	12.50	19,786	12.5
2011	1,193,304.36	548,920	745,965	0.6251	447,339	13.50	33,136	11.5
2012	221,920.60	93,207	126,665	0.5708	95,256	14.50	6,569	10.5
2013	311,469.43	118,358	160,845	0.5164	150,624	15.50	9,718	9.5
2014	876,976.60	298,172	405,207	0.4620	471,770	16.50	28,592	8.5
2016	3,729,022.06	969,546	1,317,583	0.3533	2,411,439	18.50	130,348	6.5
2017	1,583,484.73	348,367	473,420	0.2990	1,110,065	19.50	56,926	5.5
2019	7,627.11	1,068	1,451	0.1903	6,176	21.50	287	3.5
2020	1,480,296.44	148,030	201,168	0.1359	1,279,129	22.50	56,850	2.5
2021	4,513,877.92	270,833	368,053	0.0815	4,145,825	23.50	176,418	1.5
2022	2,881,217.31	57,624	78,310	0.0272	2,802,908	24.50	114,404	0.5
<b>TOTAL</b>	<b>19,268,450.17</b>	<b>4,193,093</b>	<b>5,698,284</b>		<b>13,570,166</b>		<b>669,615</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	3.48%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.30
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	5.44
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	19.56

# American Water Works - Indiana

Account #: 330.020 - Tank Original Painting

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life  
 Page 293 of 375  
 Survivor Curve: SQ  
 ASL: 25  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1984	500.00	500	500	1.0000	0		0	39.5
1987	54,296.25	54,296	54,296	1.0000	0		0	36.5
2011	155,675.40	71,611	155,675	1.0000	0	13.50	0	11.5
2013	122,517.49	46,557	122,517	1.0000	0	15.50	0	9.5
2014	143,372.23	48,747	141,026	0.9836	2,346	16.50	142	8.5
2019	498,925.14	69,850	149,338	0.2993	349,587	21.50	16,260	3.5
<b>TOTAL</b>	<b>975,286.51</b>	<b>291,560</b>	<b>623,353</b>		<b>351,934</b>		<b>16,402</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	1.68%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.64
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	8.12
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	17.53



# American Water Works - Indiana

Account #: 331.001 - Mains

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 294 of 375  
 Survivor Curve: R2  
 ASL: 105  
 Net Salvage: -70%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1900	301,750.53	407,591	343,074	0.6688	169,902	21.57	7,876	122.5
1901	196.28	264	222	0.6657	112	21.95	5	121.5
1902	3,865.98	5,174	4,355	0.6626	2,217	22.34	99	120.5
1903	2,771.72	3,692	3,107	0.6594	1,605	22.74	71	119.5
1904	4,426.50	5,867	4,938	0.6563	2,587	23.14	112	118.5
1905	8,238.97	10,866	9,146	0.6530	4,860	23.54	206	117.5
1906	27.61	36	31	0.6498	16	23.95	1	116.5
1907	133,209.83	173,912	146,384	0.6464	80,073	24.36	3,287	115.5
1908	9,966.71	12,944	10,895	0.6430	6,048	24.78	244	114.5
1909	9,386.56	12,126	10,207	0.6396	5,750	25.21	228	113.5
1910	27,873.24	35,814	30,145	0.6362	17,239	25.64	672	112.5
1911	41,689.82	53,272	44,840	0.6327	26,033	26.08	998	111.5
1912	39,400.81	50,065	42,141	0.6291	24,841	26.52	937	110.5
1913	107,883.06	136,302	114,727	0.6256	68,674	26.97	2,547	109.5
1914	36,766.67	46,182	38,872	0.6219	23,631	27.42	862	108.5
1915	543,943.38	679,201	571,692	0.6182	353,012	27.88	12,663	107.5
1916	69,491.99	86,250	72,597	0.6145	45,539	28.34	1,607	106.5
1917	60,948.60	75,182	63,282	0.6108	40,331	28.81	1,400	105.5
1918	38,565.18	47,275	39,792	0.6069	25,769	29.29	880	104.5
1919	62,697.44	76,368	64,280	0.6031	42,306	29.77	1,421	103.5
1920	318,364.74	385,272	324,288	0.5992	216,932	30.25	7,170	102.5
1921	624,750.53	751,064	632,179	0.5952	429,897	30.75	13,981	101.5
1922	71,244.56	85,074	71,608	0.5912	49,508	31.25	1,584	100.5
1923	308,448.34	365,806	307,903	0.5872	216,459	31.75	6,818	99.5
1924	91,367.08	107,603	90,571	0.5831	64,753	32.26	2,007	98.5
1925	237,574.92	277,811	233,837	0.5790	170,041	32.77	5,188	97.5
1926	182,840.88	212,265	178,666	0.5748	132,164	33.30	3,969	96.5
1927	153,364.20	176,737	148,762	0.5706	111,957	33.82	3,310	95.5

# American Water Works - Indiana

Account #: 331.001 - Mains

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 295 of 375  
 Survivor Curve: R2  
 ASL: 105  
 Net Salvage: -70%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1928	81,388.78	93,091	78,356	0.5663	60,005	34.35	1,747	94.5
1929	120,863.45	137,189	115,473	0.5620	89,994	34.89	2,579	93.5
1930	115,433.07	130,009	109,430	0.5576	86,806	35.44	2,450	92.5
1931	56,643.87	63,293	53,274	0.5532	43,020	35.99	1,195	91.5
1932	2,803.69	3,108	2,616	0.5488	2,151	36.54	59	90.5
1933	3,555.48	3,909	3,290	0.5443	2,754	37.10	74	89.5
1934	112,720.56	122,884	103,433	0.5398	88,192	37.67	2,341	88.5
1935	33,598.47	36,317	30,569	0.5352	26,549	38.24	694	87.5
1936	109,860.50	117,725	99,090	0.5306	87,672	38.81	2,259	86.5
1937	72,693.93	77,213	64,991	0.5259	58,589	39.40	1,487	85.5
1938	26,195.17	27,574	23,210	0.5212	21,322	39.98	533	84.5
1939	85,427.30	89,106	75,001	0.5164	70,225	40.58	1,731	83.5
1940	212,433.18	219,524	184,776	0.5117	176,360	41.17	4,283	82.5
1941	58,210.30	59,585	50,153	0.5068	48,804	41.78	1,168	81.5
1942	79,680.89	80,778	67,992	0.5019	67,466	42.39	1,592	80.5
1943	112,413.59	112,845	94,983	0.4970	96,121	43.00	2,235	79.5
1944	6,105.69	6,068	5,107	0.4921	5,272	43.62	121	78.5
1945	254,528.44	250,385	210,752	0.4871	221,947	44.24	5,017	77.5
1946	68,594.60	66,780	56,209	0.4820	60,402	44.87	1,346	76.5
1947	176,086.06	169,620	142,771	0.4769	156,575	45.50	3,441	75.5
1948	519,933.02	495,464	417,038	0.4718	466,848	46.14	10,118	74.5
1949	361,434.47	340,658	286,736	0.4667	327,703	46.79	7,004	73.5
1950	835,687.73	778,869	655,584	0.4615	765,085	47.43	16,129	72.5
1951	327,847.25	302,087	254,270	0.4562	303,070	48.09	6,302	71.5
1952	421,596.94	383,975	323,196	0.4509	393,518	48.75	8,073	70.5
1953	886,383.74	797,767	671,490	0.4456	835,363	49.41	16,907	69.5
1954	1,855,918.33	1,650,299	1,389,076	0.4403	1,765,985	50.08	35,264	68.5
1955	1,693,295.21	1,487,251	1,251,837	0.4349	1,626,765	50.75	32,054	67.5

# American Water Works - Indiana

Account #: 331.001 - Mains

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 296 of 375  
 Survivor Curve: R2  
 ASL: 105  
 Net Salvage: -70%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1956	1,542,064.09	1,337,511	1,125,799	0.4294	1,495,710	51.43	29,083	66.5
1957	1,360,805.87	1,165,273	980,824	0.4240	1,332,546	52.11	25,572	65.5
1958	1,446,399.55	1,222,492	1,028,986	0.4185	1,429,893	52.80	27,083	64.5
1959	1,303,984.14	1,087,536	915,392	0.4129	1,301,381	53.49	24,331	63.5
1960	2,139,711.68	1,760,449	1,481,791	0.4074	2,155,719	54.18	39,786	62.5
1961	2,147,262.88	1,742,330	1,466,540	0.4018	2,183,807	54.88	39,790	61.5
1962	1,083,203.55	866,581	729,412	0.3961	1,112,034	55.59	20,005	60.5
1963	1,810,623.61	1,427,757	1,201,760	0.3904	1,876,300	56.30	33,329	59.5
1964	1,775,019.48	1,379,194	1,160,884	0.3847	1,856,649	57.01	32,568	58.5
1965	4,035,609.99	3,088,818	2,599,895	0.3790	4,260,642	57.73	73,808	57.5
1966	1,406,764.86	1,060,294	892,462	0.3732	1,499,039	58.45	25,648	56.5
1967	1,710,030.04	1,268,778	1,067,946	0.3674	1,839,105	59.17	31,080	55.5
1968	1,795,305.26	1,310,837	1,103,347	0.3615	1,948,671	59.90	32,531	54.5
1969	3,683,911.21	2,646,026	2,227,192	0.3556	4,035,457	60.64	66,552	53.5
1970	3,844,506.82	2,715,442	2,285,620	0.3497	4,250,041	61.37	69,248	52.5
1971	2,916,274.93	2,024,766	1,704,270	0.3438	3,253,397	62.12	52,375	51.5
1972	3,787,837.85	2,584,122	2,175,086	0.3378	4,264,238	62.86	67,834	50.5
1973	2,499,576.63	1,674,887	1,409,772	0.3318	2,839,508	63.61	44,637	49.5
1974	2,151,806.88	1,415,582	1,191,512	0.3257	2,466,560	64.37	38,320	48.5
1975	5,877,963.15	3,794,715	3,194,057	0.3196	6,798,480	65.13	104,390	47.5
1976	1,765,978.79	1,118,301	941,287	0.3135	2,060,877	65.89	31,279	46.5
1977	2,717,420.22	1,687,107	1,420,058	0.3074	3,199,556	66.65	48,003	45.5
1978	4,021,980.54	2,446,930	2,059,610	0.3012	4,777,757	67.42	70,862	44.5
1979	3,165,736.36	1,886,364	1,587,775	0.2950	3,793,977	68.20	55,633	43.5
1980	2,996,479.15	1,747,811	1,471,154	0.2888	3,622,861	68.97	52,526	42.5
1981	2,161,625.47	1,233,528	1,038,275	0.2825	2,636,488	69.75	37,797	41.5
1982	2,098,889.09	1,171,073	985,706	0.2763	2,582,406	70.54	36,610	40.5
1983	2,363,272.93	1,288,435	1,084,491	0.2699	2,933,073	71.33	41,122	39.5

# American Water Works - Indiana

Account #: 331.001 - Mains

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
ALG - Remaining Life 375  
Page 297 of 375  
Survivor Curve: R2  
ASL: 105  
Net Salvage: -70%  
Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1984	2,140,960.86	1,139,794	959,378	0.2636	2,680,255	72.12	37,165	38.5
1985	6,086,099.88	3,161,737	2,661,272	0.2572	7,685,098	72.91	105,401	37.5
1986	2,989,977.07	1,514,635	1,274,886	0.2508	3,808,075	73.71	51,662	36.5
1987	4,191,493.17	2,068,852	1,741,378	0.2444	5,384,161	74.51	72,257	35.5
1988	4,850,332.95	2,330,782	1,961,847	0.2379	6,283,719	75.32	83,427	34.5
1989	6,776,849.16	3,167,784	2,666,362	0.2314	8,854,282	76.13	116,307	33.5
1990	7,312,225.29	3,321,860	2,796,049	0.2249	9,634,734	76.94	125,222	32.5
1991	7,529,481.72	3,321,108	2,795,416	0.2184	10,004,703	77.76	128,667	31.5
1992	8,780,479.61	3,756,418	3,161,822	0.2118	11,764,994	78.58	149,727	30.5
1993	11,698,005.06	4,848,769	4,081,267	0.2052	15,805,341	79.40	199,063	29.5
1994	10,722,513.92	4,301,051	3,620,246	0.1986	14,608,028	80.22	182,089	28.5
1995	15,077,049.40	5,845,358	4,920,108	0.1920	20,710,876	81.05	255,520	27.5
1996	14,231,420.39	5,325,726	4,482,727	0.1853	19,710,688	81.89	240,708	26.5
1997	17,181,383.85	6,197,254	5,216,303	0.1786	23,992,050	82.72	290,033	25.5
1998	19,727,875.15	6,847,897	5,763,957	0.1719	27,773,431	83.56	332,376	24.5
1999	26,707,090.35	8,906,535	7,496,737	0.1651	37,905,317	84.40	449,104	23.5
2000	12,778,133.79	4,086,595	3,439,736	0.1583	18,283,092	85.25	214,472	22.5
2001	15,284,264.03	4,678,274	3,937,759	0.1515	22,045,490	86.09	256,061	21.5
2002	15,091,758.21	4,411,447	3,713,168	0.1447	21,942,821	86.95	252,374	20.5
2003	20,290,244.14	5,650,513	4,756,104	0.1379	29,737,311	87.80	338,696	19.5
2004	12,838,997.20	3,397,357	2,859,596	0.1310	18,966,700	88.66	213,935	18.5
2005	7,424,142.56	1,861,182	1,566,580	0.1241	11,054,463	89.52	123,491	17.5
2006	41,375,536.37	9,794,726	8,244,338	0.1172	62,094,074	90.38	687,044	16.5
2007	33,125,178.48	7,377,494	6,209,725	0.1103	50,103,078	91.24	549,111	15.5
2008	29,468,628.01	6,148,865	5,175,573	0.1033	44,921,094	92.11	487,677	14.5
2009	40,464,975.67	7,872,676	6,626,525	0.0963	62,163,933	92.98	668,549	13.5
2010	28,058,155.97	5,061,914	4,260,673	0.0893	43,438,192	93.86	462,812	12.5
2011	21,502,729.02	3,574,109	3,008,371	0.0823	33,546,269	94.73	354,111	11.5

# American Water Works - Indiana

Account #: 331.001 - Mains

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
ALG - Remaining Life 375  
Page 296 of 375  
Survivor Curve: R2  
ASL: 105  
Net Salvage: -70%  
Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2012	24,181,687.04	3,675,169	3,093,434	0.0752	38,015,434	95.61	397,597	10.5
2013	21,895,167.97	3,014,978	2,537,743	0.0682	34,684,043	96.49	359,439	9.5
2014	20,363,617.99	2,512,405	2,114,722	0.0611	32,503,429	97.38	333,781	8.5
2015	32,819,056.34	3,577,666	3,011,365	0.0540	52,781,031	98.27	537,119	7.5
2016	39,785,496.54	3,763,918	3,168,135	0.0468	64,467,210	99.16	650,155	6.5
2017	48,756,034.26	3,908,179	3,289,561	0.0397	79,595,697	100.05	795,567	5.5
2018	30,254,349.23	1,986,813	1,672,324	0.0325	49,760,069	100.94	492,948	4.5
2019	36,416,375.42	1,862,443	1,567,640	0.0253	60,340,198	101.84	592,493	3.5
2020	56,836,229.51	2,078,866	1,749,807	0.0181	94,871,783	102.74	923,408	2.5
2021	53,135,128.76	1,167,442	982,650	0.0109	89,347,069	103.64	862,066	1.5
2022	100,784,421.39	738,534	621,633	0.0036	170,711,883	104.55	1,632,866	0.5
<b>TOTAL</b>	<b>990,725,980.59</b>	<b>218,793,448</b>	<b>184,161,060</b>		<b>1,500,073,107</b>		<b>16,504,648</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	1.67%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.19
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	15.82
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	91.36

# American Water Works - Indiana

Account #: 332.000 - Fire Mains

Attachment LEK-2  
 ALG - Remaining Life  
 Page 299 of 375  
 Survivor Curve: S1.5  
 ASL: 90  
 Net Salvage: 0%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2007	1,000.00	169	-2,513	-2.5129	3,513	74.80	47	15.5
2019	4,731.90	184	-2,734	-0.5778	7,466	86.51	86	3.5
2020	14,670.67	407	-6,059	-0.4130	20,730	87.50	237	2.5
<b>TOTAL</b>	<b>20,402.57</b>	<b>760</b>	<b>-11,306</b>		<b>31,709</b>		<b>370</b>	

COMPOSITE ANNUAL ACCRUAL RATE	1.81%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	-0.55
COMPOSITE AVERAGE AGE (YEARS)	3.37
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	86.65

# American Water Works - Indiana

Account #: 333.000 - Services

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 300 of 375  
 Survivor Curve: R2.5  
 ASL: 75  
 Net Salvage: -125%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1900	1,231.71	2,609	1,769	0.6385	1,002	4.39	228	122.5
1909	2.07	4	3	0.6205	2	6.49	0	113.5
1911	4.50	9	6	0.6153	4	6.93	1	111.5
1913	26,729.05	54,223	36,772	0.6114	23,369	7.38	3,167	109.5
1914	2,901.80	5,867	3,979	0.6094	2,550	7.60	335	108.5
1915	11,503.97	23,183	15,722	0.6074	10,162	7.83	1,298	107.5
1916	2,937.02	5,898	4,000	0.6053	2,608	8.06	324	106.5
1917	1,379.36	2,761	1,872	0.6032	1,231	8.29	149	105.5
1918	1,090.81	2,176	1,475	0.6011	979	8.52	115	104.5
1919	2,903.36	5,770	3,913	0.5990	2,620	8.75	299	103.5
1920	15,941.83	31,570	21,410	0.5969	14,460	8.99	1,609	102.5
1921	5,414.09	10,683	7,245	0.5947	4,937	9.23	535	101.5
1922	7,977.91	15,683	10,636	0.5925	7,315	9.47	772	100.5
1923	18,352.86	35,944	24,376	0.5903	16,918	9.72	1,741	99.5
1924	38,828.48	75,755	51,374	0.5880	35,990	9.97	3,611	98.5
1925	42,777.56	83,133	56,377	0.5857	39,872	10.22	3,901	97.5
1926	49,150.88	95,142	64,521	0.5834	46,068	10.48	4,397	96.5
1927	37,204.47	71,724	48,641	0.5811	35,069	10.74	3,266	95.5
1928	23,512.70	45,139	30,612	0.5786	22,292	11.01	2,025	94.5
1929	10,093.32	19,295	13,085	0.5762	9,625	11.28	853	93.5
1930	9,494.42	18,070	12,254	0.5736	9,108	11.56	788	92.5
1931	4,197.28	7,952	5,393	0.5710	4,051	11.85	342	91.5
1932	1,891.22	3,567	2,419	0.5684	1,837	12.14	151	90.5
1933	798.01	1,498	1,016	0.5657	780	12.44	63	89.5
1934	1,867.50	3,488	2,365	0.5629	1,837	12.75	144	88.5
1935	2,705.85	5,027	3,409	0.5600	2,679	13.07	205	87.5
1936	4,457.03	8,237	5,586	0.5570	4,442	13.40	332	86.5
1937	7,316.68	13,448	9,120	0.5540	7,343	13.73	535	85.5

# American Water Works - Indiana

Account #: 333.000 - Services

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 301 of 375  
 Survivor Curve: R2.5  
 ASL: 75  
 Net Salvage: -125%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1938	5,109.36	9,338	6,333	0.5508	5,163	14.08	367	84.5
1939	14,004.00	25,444	17,255	0.5476	14,254	14.44	987	83.5
1940	183,164.70	330,768	224,313	0.5443	187,807	14.81	12,685	82.5
1941	21,958.13	39,404	26,722	0.5409	22,684	15.18	1,494	81.5
1942	15,144.98	27,000	18,311	0.5373	15,766	15.57	1,012	80.5
1943	19,019.90	33,680	22,840	0.5337	19,955	15.97	1,249	79.5
1944	7,619.57	13,398	9,086	0.5300	8,058	16.39	492	78.5
1945	32,281.25	56,352	38,216	0.5262	34,417	16.81	2,047	77.5
1946	20,670.14	35,813	24,287	0.5222	22,221	17.25	1,288	76.5
1947	68,719.43	118,141	80,118	0.5182	74,500	17.69	4,210	75.5
1948	93,568.39	159,572	108,215	0.5140	102,313	18.15	5,636	74.5
1949	94,702.37	160,171	108,621	0.5098	104,459	18.62	5,609	73.5
1950	351,537.13	589,465	399,752	0.5054	391,207	19.11	20,476	72.5
1951	112,780.11	187,442	127,115	0.5009	126,640	19.60	6,461	71.5
1952	108,441.13	178,589	121,112	0.4964	122,881	20.10	6,112	70.5
1953	171,873.43	280,386	190,147	0.4917	196,568	20.62	9,532	69.5
1954	376,535.49	608,301	412,525	0.4869	434,680	21.15	20,553	68.5
1955	346,189.25	553,688	375,489	0.4821	403,437	21.69	18,602	67.5
1956	300,555.57	475,738	322,626	0.4771	353,624	22.24	15,902	66.5
1957	257,418.97	403,131	273,387	0.4720	305,806	22.80	13,413	65.5
1958	271,297.20	420,224	284,979	0.4669	325,440	23.37	13,926	64.5
1959	288,942.81	442,510	300,093	0.4616	350,029	23.95	14,615	63.5
1960	534,191.88	808,627	548,378	0.4562	653,553	24.54	26,630	62.5
1961	505,199.93	755,641	512,445	0.4508	624,255	25.14	24,829	61.5
1962	297,071.64	438,886	297,635	0.4453	370,777	25.75	14,397	60.5
1963	373,377.77	544,669	369,373	0.4397	470,727	26.37	17,848	59.5
1964	266,204.86	383,308	259,944	0.4340	339,017	27.00	12,555	58.5
1965	567,058.46	805,628	546,344	0.4282	729,537	27.64	26,392	57.5



# American Water Works - Indiana

Account #: 333.000 - Services

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 302 of 375  
 Survivor Curve: R2.5  
 ASL: 75  
 Net Salvage: -125%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1966	372,005.17	521,287	353,516	0.4224	483,496	28.29	17,090	56.5
1967	367,661.09	507,972	344,486	0.4164	482,751	28.95	16,678	55.5
1968	1,059,476.20	1,442,661	978,355	0.4104	1,405,467	29.61	47,465	54.5
1969	672,781.06	902,531	612,060	0.4043	901,697	30.28	29,775	53.5
1970	544,979.23	719,968	488,253	0.3982	737,950	30.96	23,833	52.5
1971	463,558.83	602,818	408,807	0.3919	634,201	31.65	20,036	51.5
1972	1,061,599.32	1,358,341	921,172	0.3857	1,467,426	32.35	45,362	50.5
1973	400,054.61	503,440	341,413	0.3793	558,710	33.05	16,904	49.5
1974	544,091.88	673,080	456,456	0.3729	767,751	33.76	22,739	48.5
1975	2,723,619.38	3,310,600	2,245,115	0.3664	3,883,028	34.48	112,608	47.5
1976	613,203.59	732,021	496,427	0.3598	883,281	35.21	25,088	46.5
1977	923,265.82	1,081,853	733,669	0.3532	1,343,679	35.94	37,386	45.5
1978	1,208,651.54	1,389,444	942,265	0.3465	1,777,201	36.68	48,451	44.5
1979	799,937.31	901,700	611,496	0.3397	1,188,363	37.43	31,752	43.5
1980	1,024,983.21	1,132,203	767,814	0.3329	1,538,398	38.18	40,294	42.5
1981	701,587.11	758,993	514,718	0.3261	1,063,853	38.94	27,321	41.5
1982	672,696.20	712,293	483,048	0.3191	1,030,518	39.70	25,955	40.5
1983	782,260.25	810,169	549,424	0.3122	1,210,662	40.48	29,910	39.5
1984	765,770.48	775,205	525,713	0.3051	1,197,271	41.26	29,021	38.5
1985	812,665.90	803,561	544,943	0.2980	1,283,555	42.04	30,532	37.5
1986	905,963.70	874,306	592,919	0.2909	1,445,499	42.83	33,749	36.5
1987	1,021,550.51	961,436	652,007	0.2837	1,646,481	43.63	37,739	35.5
1988	1,114,973.20	1,022,531	693,439	0.2764	1,815,251	44.43	40,856	34.5
1989	1,247,201.99	1,113,527	755,149	0.2691	2,051,055	45.24	45,338	33.5
1990	1,576,046.88	1,368,632	928,151	0.2617	2,617,955	46.05	56,846	32.5
1991	1,398,236.47	1,179,855	800,130	0.2543	2,345,902	46.87	50,048	31.5
1992	1,473,177.51	1,206,594	818,263	0.2469	2,496,386	47.70	52,337	30.5
1993	3,542,593.54	2,813,239	1,907,826	0.2394	6,063,010	48.53	124,935	29.5

# American Water Works - Indiana

Account #: 333.000 - Services

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
ALG - Remaining Life Page 303 of 375  
Survivor Curve: R2.5  
ASL: 75  
Net Salvage: -125%  
Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1994	1,900,293.44	1,461,420	991,076	0.2318	3,284,584	49.37	66,537	28.5
1995	2,146,100.66	1,596,259	1,082,518	0.2242	3,746,208	50.21	74,615	27.5
1996	2,264,249.88	1,626,637	1,103,119	0.2165	3,991,443	51.05	78,182	26.5
1997	3,943,645.55	2,732,419	1,853,016	0.2088	7,020,186	51.90	135,252	25.5
1998	3,134,147.21	2,090,972	1,418,013	0.2011	5,633,818	52.76	106,779	24.5
1999	3,206,122.84	2,056,144	1,394,394	0.1933	5,819,382	53.62	108,525	23.5
2000	3,067,948.79	1,887,854	1,280,266	0.1855	5,622,618	54.49	103,189	22.5
2001	5,428,135.42	3,198,330	2,168,978	0.1776	10,044,326	55.36	181,438	21.5
2002	2,797,661.77	1,574,959	1,068,074	0.1697	5,226,665	56.23	92,944	20.5
2003	1,940,405.73	1,041,175	706,083	0.1617	3,659,830	57.11	64,079	19.5
2004	1,873,686.24	955,664	648,093	0.1537	3,567,701	58.00	61,514	18.5
2005	470,282.85	227,334	154,169	0.1457	903,968	58.89	15,351	17.5
2006	8,820,902.49	4,027,966	2,731,605	0.1376	17,115,426	59.78	286,313	16.5
2007	998,063.19	428,907	290,867	0.1295	1,954,775	60.68	32,217	15.5
2008	3,830,879.35	1,542,823	1,046,281	0.1214	7,573,198	61.58	122,990	14.5
2009	7,983,244.76	2,998,694	2,033,594	0.1132	15,928,707	62.48	254,944	13.5
2010	6,442,054.51	2,244,317	1,522,006	0.1050	12,972,617	63.39	204,657	12.5
2011	5,189,032.63	1,665,935	1,129,770	0.0968	10,545,553	64.30	164,010	11.5
2012	4,338,465.67	1,273,852	863,875	0.0885	8,897,673	65.21	136,441	10.5
2013	5,409,685.10	1,439,354	976,112	0.0802	11,195,680	66.13	169,295	9.5
2014	5,763,023.83	1,374,092	931,854	0.0719	12,034,949	67.05	179,486	8.5
2015	10,149,078.93	2,138,497	1,450,243	0.0635	21,385,185	67.98	314,597	7.5
2016	15,263,896.44	2,791,441	1,893,043	0.0551	32,450,724	68.90	470,955	6.5
2017	11,757,502.39	1,822,038	1,235,633	0.0467	25,218,748	69.83	361,122	5.5
2018	9,273,858.39	1,177,584	798,590	0.0383	20,067,591	70.77	283,571	4.5
2019	13,808,629.25	1,365,596	926,092	0.0298	30,143,324	71.70	420,388	3.5
2020	16,087,571.60	1,137,991	771,740	0.0213	35,425,296	72.64	487,669	2.5
2021	14,577,151.88	619,667	420,233	0.0128	32,378,359	73.58	440,025	1.5

# American Water Works - Indiana

Account #: 333.000 - Services

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 304 of 375  
 Survivor Curve: R2.5  
 ASL: 75  
 Net Salvage: -125%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2022	17,730,619.81	251,702	170,694	0.0043	39,723,200	74.53	533,006	0.5
<b>TOTAL</b>	224,428,236.17	88,463,046	59,992,077		444,971,454		7,400,644	

COMPOSITE ANNUAL ACCRUAL RATE	3.30%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.27
COMPOSITE AVERAGE AGE (YEARS)	14.83
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	61.86

# American Water Works - Indiana

Account #: 333.100 - Replaced Customer Lead Services

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 305 of 375  
 Survivor Curve: SQ  
 ASL: 75  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2018	3,810,313.35	211,684	639,322	0.1678	3,170,992	70.83	44,767	4.5
2019	5,878,315.74	248,196	749,592	0.1275	5,128,724	71.83	71,398	3.5
2020	3,435,774.09	99,256	299,769	0.0872	3,136,005	72.83	43,057	2.5
2021	3,031,245.03	47,153	142,409	0.0470	2,888,836	73.83	39,126	1.5
2022	8,571,107.90	19,047	57,525	0.0067	8,513,583	74.83	113,767	0.5
<b>TOTAL</b>	<b>24,726,756.11</b>	<b>625,335</b>	<b>1,888,616</b>		<b>22,838,140</b>		<b>312,115</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	1.26%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.08
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	2.23
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	73.10

# American Water Works - Indiana

Account #: 334.100 - Meters

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 306 of 375  
 Survivor Curve: S1.5  
 ASL: 15  
 Net Salvage: -15%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1900	130.00	150	54	0.3633	95		95	122.5
1968	19,955.27	22,949	8,338	0.3633	14,611		14,611	54.5
1980	1,708.87	1,965	714	0.3633	1,251		1,251	42.5
1985	164,023.26	188,627	68,534	0.3633	120,093		120,093	37.5
1989	3,247.37	3,734	1,357	0.3633	2,378		2,378	33.5
1990	1,023.86	1,177	428	0.3633	750		750	32.5
1993	692.97	770	280	0.3512	517	0.50	517	29.5
1998	133,184.89	138,285	50,243	0.3280	102,920	1.46	70,636	24.5
1999	1,279.58	1,304	474	0.3220	998	1.71	585	23.5
2000	30,800.06	30,791	11,187	0.3158	24,233	1.96	12,362	22.5
2001	1,424.40	1,395	507	0.3095	1,131	2.22	509	21.5
2002	7,319.78	7,016	2,549	0.3028	5,869	2.50	2,349	20.5
2003	1,979.15	1,853	673	0.2958	1,603	2.79	575	19.5
2004	1,538.03	1,404	510	0.2885	1,259	3.09	407	18.5
2005	165,768.96	147,248	53,499	0.2806	137,135	3.41	40,170	17.5
2007	6,585.52	5,490	1,995	0.2634	5,579	4.13	1,352	15.5
2008	122,847.71	98,687	35,856	0.2538	105,419	4.52	23,314	14.5
2009	1,674,731.11	1,290,639	468,927	0.2435	1,457,014	4.95	294,466	13.5
2010	1,633,985.97	1,201,538	436,554	0.2323	1,442,530	5.41	266,711	12.5
2011	2,971,658.29	2,071,608	752,676	0.2202	2,664,731	5.91	451,106	11.5
2012	5,742,642.50	3,765,519	1,368,124	0.2072	5,235,915	6.45	812,118	10.5
2013	2,012,211.61	1,229,065	446,556	0.1930	1,867,488	7.03	265,532	9.5
2014	838,851.00	471,582	171,340	0.1776	793,339	7.67	103,471	8.5
2015	860,541.26	438,561	159,342	0.1610	830,280	8.35	99,404	7.5
2016	955,787.56	432,988	157,317	0.1431	941,838	9.09	103,600	6.5
2017	586,795.91	230,233	83,650	0.1240	591,165	9.88	59,821	5.5
2018	785,761.20	257,555	93,577	0.1036	810,048	10.72	75,532	4.5
2019	4,678,529.03	1,214,251	441,173	0.0820	4,939,135	11.61	425,247	3.5

# American Water Works - Indiana

Account #: 334.100 - Meters

Attachment LEK-2  
 ALG - Remaining Life Page 367 of 375  
 Survivor Curve: S1.5  
 ASL: 15  
 Net Salvage: -15%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2020	5,506,459.85	1,035,862	376,359	0.0594	5,956,070	12.55	474,727	2.5
2021	4,409,712.52	503,227	182,837	0.0361	4,888,332	13.51	361,790	1.5
2022	7,265,188.08	278,171	101,068	0.0121	8,253,898	14.50	569,211	0.5
<b>TOTAL</b>	<b>40,586,365.57</b>	<b>15,073,647</b>	<b>5,476,700</b>		<b>41,197,620</b>		<b>4,654,690</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	11.47%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.13
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	5.92
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	10.16

# American Water Works - Indiana

Account #: 334.110 - Meters - Bronze Case

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
ALG - Remaining Life Page 306 of 375  
Survivor Curve: R1.5  
ASL: 15  
Net Salvage: -15%  
Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1915	13.44	15	15	1.0003	0		0	107.5
1939	7.20	8	8	1.0000	0		0	83.5
1949	13.44	15	15	1.0003	0		0	73.5
1950	111.32	128	128	1.0000	0		0	72.5
1954	74.56	86	86	1.0000	0		0	68.5
1955	109.39	126	126	1.0000	0		0	67.5
1959	87.27	100	100	1.0000	0		0	63.5
1960	463.92	534	534	1.0000	0		0	62.5
1962	289.57	333	333	1.0000	0		0	60.5
1963	193.05	222	222	1.0000	0		0	59.5
1966	112.71	130	130	1.0000	0		0	56.5
1967	419.32	482	482	1.0000	0		0	55.5
1968	41.42	48	48	0.9999	0		0	54.5
1969	80.66	93	93	1.0000	0		0	53.5
1970	309.08	355	355	1.0000	0		0	52.5
1975	466.37	536	536	1.0000	0		0	47.5
1976	407.53	469	469	1.0000	0		0	46.5
1977	10,944.97	12,587	12,587	1.0000	0		0	45.5
1978	1,280.54	1,473	1,473	1.0000	0		0	44.5
1979	1,052.82	1,211	1,211	1.0000	0		0	43.5
1980	6,918.42	7,956	7,956	1.0000	0		0	42.5
1981	595.23	685	685	1.0000	0		0	41.5
1982	1,269.20	1,460	1,460	1.0000	0		0	40.5
1983	707.70	814	814	1.0000	0		0	39.5
1985	3,149.81	3,622	3,622	1.0000	0		0	37.5
1986	1,049.85	1,207	1,207	1.0000	0		0	36.5
1987	2,596.14	2,986	2,986	1.0000	0		0	35.5
1988	3,166.75	3,642	3,642	1.0000	0		0	34.5

# American Water Works - Indiana

Account #: 334.110 - Meters - Bronze Case

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 309 of 375  
 Survivor Curve: R1.5  
 ASL: 15  
 Net Salvage: -15%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1989	6,029.97	6,934	6,934	1.0000	0		0	33.5
1990	7,225.90	8,310	8,310	1.0000	0		0	32.5
1991	11,212.91	12,895	12,895	1.0000	0		0	31.5
1992	67,685.63	77,838	77,838	1.0000	0		0	30.5
1993	26,383.76	30,341	30,341	1.0000	0		0	29.5
1994	30,020.35	33,373	34,523	1.0000	0	0.50	0	28.5
1995	37,645.73	40,969	43,293	1.0000	0	0.81	0	27.5
1996	170,705.29	181,561	196,311	1.0000	0	1.13	0	26.5
1997	197,374.44	206,175	226,981	1.0000	0	1.37	0	25.5
1998	155,526.24	159,580	178,855	1.0000	0	1.62	0	24.5
1999	313,896.99	315,882	360,982	1.0000	0	1.87	0	23.5
2000	584,429.32	575,867	672,094	1.0000	0	2.15	0	22.5
2001	655,111.07	631,104	753,378	1.0000	0	2.43	0	21.5
2002	299,009.09	281,136	343,860	1.0000	0	2.74	0	20.5
2003	109,864.94	100,607	126,345	1.0000	0	3.06	0	19.5
2004	487,664.91	433,803	550,163	0.9810	10,652	3.40	3,136	18.5
2005	163,533.04	140,846	178,626	0.9498	9,437	3.77	2,506	17.5
2006	1,445,281.45	1,200,472	1,522,477	0.9160	139,597	4.17	33,509	16.5
2007	533,710.52	425,571	539,723	0.8794	74,044	4.60	16,099	15.5
2008	2,653,889.28	2,020,875	2,562,939	0.8398	489,034	5.07	96,500	14.5
2009	6,715,333.01	4,854,423	6,156,536	0.7972	1,566,097	5.57	281,114	13.5
2010	1,328,681.91	905,676	1,148,608	0.7517	379,377	6.11	62,100	12.5
2011	1,725,884.04	1,100,835	1,396,114	0.7034	588,653	6.68	88,117	11.5
2012	2,842,516.81	1,681,695	2,132,780	0.6524	1,136,114	7.28	155,991	10.5
2013	133,566.48	72,542	92,000	0.5990	61,602	7.92	7,782	9.5
2014	420,175.23	206,938	262,446	0.5431	220,756	8.58	25,741	8.5
2015	1,146,770.96	504,547	639,883	0.4852	678,904	9.26	73,306	7.5
2016	1,630,852.86	628,994	797,711	0.4253	1,077,770	9.97	108,109	6.5



# American Water Works - Indiana

Account #: 334.110 - Meters - Bronze Case

Attachment LEK-2  
 ALG - Remaining Life  
 Page 310 of 375  
 Survivor Curve: R1.5  
 ASL: 15  
 Net Salvage: -15%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2017	2,481,228.92	818,433	1,037,963	0.3638	1,815,450	10.70	169,706	5.5
2018	1,416,800.88	386,275	489,886	0.3007	1,139,435	11.44	99,568	4.5
2019	1,392,882.41	298,297	378,310	0.2362	1,223,505	12.21	100,233	3.5
2020	198,061.92	30,593	38,799	0.1703	188,972	12.99	14,553	2.5
2021	38,804.54	3,631	4,605	0.1032	40,020	13.78	2,904	1.5
2022	98.44	3	4	0.0347	109	14.59	7	0.5
<b>TOTAL</b>	<b>29,463,790.92</b>	<b>18,418,343</b>	<b>23,043,831</b>		<b>10,839,529</b>		<b>1,340,981</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	4.55%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.78
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	11.96
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	6.85

# American Water Works - Indiana

Account #: 334.120 - Meters - Plastic Case

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 31 of 375  
 Survivor Curve: R3  
 ASL: 15  
 Net Salvage: -15%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1986	161.03	185	153	0.8282	32		32	37.5
1995	5,064.57	5,824	4,824	0.8282	1,000		1,000	28.5
1998	839.71	933	773	0.8006	193	0.50	193	24.5
1999	2,772.00	3,064	2,538	0.7961	650	0.58	650	23.5
2000	1,139.45	1,242	1,029	0.7852	281	0.78	281	22.5
2001	859.63	922	764	0.7725	225	1.01	223	21.5
2002	2,661.12	2,805	2,323	0.7591	737	1.25	589	20.5
2003	868.67	899	744	0.7452	255	1.50	169	19.5
2004	1,394.22	1,414	1,171	0.7305	432	1.77	244	18.5
2006	354.93	343	284	0.6950	125	2.41	52	16.5
2007	6,139.46	5,735	4,750	0.6727	2,311	2.82	821	15.5
2009	43,646.73	37,439	31,008	0.6178	19,186	3.81	5,034	13.5
2010	2,802.33	2,277	1,886	0.5851	1,337	4.40	304	12.5
2011	29,892.75	22,807	18,889	0.5495	15,488	5.05	3,068	11.5
2012	2,742,627.78	1,946,415	1,612,065	0.5111	1,541,957	5.74	268,485	10.5
2013	962,757.56	628,767	520,759	0.4704	586,412	6.48	90,476	9.5
2014	3,736,667.15	2,217,830	1,836,856	0.4275	2,460,311	7.26	338,966	8.5
2015	1,145,009.75	608,295	503,803	0.3826	812,958	8.07	100,731	7.5
2016	229,855.79	107,214	88,797	0.3359	175,537	8.92	19,688	6.5
2017	91,165.19	36,402	30,149	0.2876	74,691	9.79	7,628	5.5
2018	238,437.33	78,701	65,182	0.2377	209,021	10.69	19,544	4.5
2019	154,995.49	40,142	33,246	0.1865	144,999	11.62	12,476	3.5
2020	118,732.83	22,128	18,327	0.1342	118,216	12.57	9,405	2.5
2022	476.62	18	15	0.0271	533	14.51	37	0.5

# American Water Works - Indiana

Account #: 334.120 - Meters - Plastic Case

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
ALG - Remaining Life Page 312 of 375  
Survivor Curve: R3  
ASL: 15  
Net Salvage: -15%  
Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
TOTAL	9,519,322.09	5,771,800	4,780,334		6,166,886		880,096	
COMPOSITE ANNUAL ACCRUAL RATE				9.25%				
THEORETICAL ACCUMULATED DEPRECIATION FACTOR				0.50				
COMPOSITE AVERAGE AGE (YEARS)				8.79				
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)				7.09				

# American Water Works - Indiana

Account #: 334.130 - Meters - Other

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life  
 Page 313 of 375  
 Survivor Curve: L1  
 ASL: 15  
 Net Salvage: -15%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1915	14.58	17	15	0.8696	2		2	108.5
1920	296.07	340	294	0.8621	47		47	103.5
1925	117.79	135	117	0.8617	19		19	98.5
1930	11.47	13	11	0.8620	2		2	93.5
1940	36.20	42	36	0.8616	6		6	83.5
1945	40.17	46	40	0.8618	6		6	78.5
1950	895.80	1,030	888	0.8617	142		142	73.5
1953	1,830.61	2,105	1,814	0.8617	291		291	70.5
1954	1,450.94	1,669	1,438	0.8617	231		231	69.5
1955	2,056.00	2,364	2,037	0.8617	327		327	68.5
1956	2,374.02	2,730	2,353	0.8617	378		378	67.5
1957	8,837.72	10,163	8,758	0.8617	1,405		1,405	66.5
1958	1,178.59	1,355	1,168	0.8617	187		187	65.5
1959	2,980.84	3,428	2,954	0.8617	474		474	64.5
1960	3,215.37	3,698	3,186	0.8617	511		511	63.5
1961	1,484.19	1,707	1,471	0.8617	236		236	62.5
1962	189.89	218	188	0.8617	30		30	61.5
1963	747.46	860	741	0.8617	119		119	60.5
1964	335.35	386	332	0.8617	53		53	59.5
1965	2,143.25	2,465	2,124	0.8617	341		341	58.5
1966	4,381.72	5,039	4,342	0.8617	697		697	57.5
1967	7,596.71	8,736	7,528	0.8617	1,208		1,208	56.5
1968	793.45	912	786	0.8617	126		126	55.5
1969	4,254.09	4,892	4,216	0.8617	676		676	54.5
1970	7,963.14	9,158	7,891	0.8617	1,266		1,266	53.5
1971	2,442.53	2,809	2,421	0.8617	388		388	52.5
1972	7,783.56	8,951	7,713	0.8617	1,238		1,238	51.5
1973	7,399.87	8,510	7,333	0.8617	1,177		1,177	50.5

# American Water Works - Indiana

Account #: 334.130 - Meters - Other

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 314 of 375  
 Survivor Curve: L1  
 ASL: 15  
 Net Salvage: -15%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1974	2,716.53	3,124	2,692	0.8617	432		432	49.5
1975	4,615.52	5,308	4,574	0.8617	734		734	48.5
1976	4,838.71	5,379	4,635	0.8330	929	0.50	929	46.5
1977	10,826.26	11,945	10,293	0.8267	2,157	0.61	2,157	45.5
1978	8,513.30	9,308	8,021	0.8192	1,770	0.74	1,770	44.5
1979	8,269.84	8,954	7,716	0.8113	1,794	0.88	1,794	43.5
1980	11,421.88	12,240	10,548	0.8030	2,587	1.02	2,532	42.5
1981	4,345.20	4,606	3,969	0.7942	1,028	1.17	875	41.5
1982	13,596.18	14,246	12,276	0.7851	3,360	1.33	2,520	40.5
1983	20,669.35	21,401	18,442	0.7759	5,328	1.49	3,564	39.5
1984	12,343.65	12,623	10,877	0.7663	3,318	1.66	1,997	38.5
1985	19,757.73	19,945	17,187	0.7564	5,534	1.83	3,019	37.5
1986	28,495.51	28,385	24,460	0.7464	8,309	2.01	4,140	36.5
1987	42,070.30	41,331	35,616	0.7362	12,765	2.19	5,840	35.5
1988	44,499.34	43,093	37,134	0.7256	14,040	2.37	5,927	34.5
1989	15,005.27	14,317	12,337	0.7149	4,919	2.56	1,925	33.5
1990	48,407.56	45,477	39,189	0.7040	16,480	2.75	6,001	32.5
1991	77,806.94	71,929	61,983	0.6927	27,495	2.94	9,346	31.5
1992	51,553.58	46,870	40,389	0.6813	18,897	3.14	6,015	30.5
1993	76,496.74	68,346	58,896	0.6695	29,076	3.35	8,689	29.5
1994	36,249.92	31,804	27,406	0.6574	14,281	3.56	4,016	28.5
1997	47,582.11	39,332	33,893	0.6194	20,826	4.22	4,937	25.5
1998	42,373.69	34,272	29,533	0.6061	19,197	4.45	4,313	24.5
1999	1,827,483.06	1,444,607	1,244,856	0.5923	856,749	4.69	182,705	23.5
2000	154,420.09	119,158	102,682	0.5782	74,901	4.94	15,178	22.5
2001	66,751.99	50,217	43,273	0.5637	33,492	5.19	6,456	21.5
2002	15,002.68	10,987	9,468	0.5488	7,785	5.45	1,429	20.5
2003	19,988.55	14,227	12,260	0.5334	10,727	5.72	1,877	19.5

# American Water Works - Indiana

Account #: 334.130 - Meters - Other

Attachment LEK-2  
 ALG - Remaining Life  
 Page 315 of 375  
 Survivor Curve: L1  
 ASL: 15  
 Net Salvage: -15%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2004	16,388.11	11,317	9,753	0.5175	9,094	5.99	1,518	18.5
2005	378,338.40	253,000	218,017	0.5011	217,072	6.28	34,579	17.5
2006	1,774,404.91	1,146,482	987,954	0.4842	1,052,612	6.57	160,158	16.5
2008	74,343.82	44,506	38,352	0.4486	47,143	7.19	6,555	14.5
2009	9,609.87	5,513	4,751	0.4299	6,301	7.52	838	13.5
2010	214,364.31	117,434	101,196	0.4105	145,323	7.85	18,502	12.5
2011	122,957.10	64,065	55,206	0.3904	86,194	8.20	10,506	11.5
2012	808,615.84	398,853	343,703	0.3696	586,206	8.57	68,432	10.5
2013	737,895.98	342,708	295,321	0.3480	553,260	8.94	61,871	9.5
2014	249,332.69	108,332	93,353	0.3256	193,380	9.33	20,721	8.5
2015	106,815.94	42,986	37,042	0.3016	85,796	9.75	8,799	7.5
2016	678,895.38	248,914	214,496	0.2747	566,234	10.22	55,417	6.5
2017	273,617.18	89,183	76,852	0.2442	237,808	10.75	22,125	5.5
2018	114,862.19	32,110	27,670	0.2095	104,422	11.35	9,197	4.5
2019	724,541.34	164,515	141,767	0.1701	691,456	12.04	57,438	3.5
2020	193,265.45	32,578	28,074	0.1263	194,182	12.80	15,169	2.5
2021	135,652.81	14,179	12,218	0.0783	143,782	13.64	10,544	1.5
2022	273,462.94	9,769	8,419	0.0268	306,064	14.53	21,058	0.5
<b>TOTAL</b>	<b>9,676,317.12</b>	<b>5,443,655</b>	<b>4,690,942</b>		<b>6,436,822</b>		<b>886,127</b>	

COMPOSITE ANNUAL ACCRUAL RATE 9.16%

THEORETICAL ACCUMULATED DEPRECIATION FACTOR 0.48

COMPOSITE AVERAGE AGE (YEARS) 14.81

DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS) 7.66

# American Water Works - Indiana

Account #: 334.131 - Meter Reading Units

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
ALG - Remaining Life Page 316 of 375  
Survivor Curve: R3  
ASL: 15  
Net Salvage: -15%  
Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1999	2,420,955.47	2,675,953	2,624,854	0.9428	159,245	0.58	159,245	23.5
2005	2,343.13	2,323	2,279	0.8457	416	2.07	201	17.5
2006	12,863.60	12,413	12,176	0.8231	2,617	2.41	1,084	16.5
2007	97,852.67	91,404	89,659	0.7968	22,872	2.82	8,122	15.5
2008	126,216.37	113,391	111,226	0.7663	33,923	3.28	10,336	14.5
2009	291,519.80	250,061	245,286	0.7317	89,962	3.81	23,603	13.5
2010	92,204.15	74,914	73,484	0.6930	32,551	4.40	7,394	12.5
2011	448,545.67	342,220	335,685	0.6508	180,142	5.05	35,683	11.5
2012	455,166.74	323,027	316,859	0.6053	206,583	5.74	35,970	10.5
2013	320,622.47	209,395	205,397	0.5571	163,319	6.48	25,198	9.5
2014	14,521.51	8,619	8,454	0.5063	8,245	7.26	1,136	8.5
2015	852,889.13	453,103	444,451	0.4531	536,371	8.07	66,460	7.5
2016	563,820.58	262,988	257,966	0.3979	390,428	8.92	43,789	6.5
2017	817,521.15	326,437	320,204	0.3406	619,946	9.79	63,313	5.5
2018	507,126.93	167,386	164,190	0.2815	419,006	10.69	39,179	4.5
2019	228,951.94	59,295	58,163	0.2209	205,132	11.62	17,650	3.5
2020	59,022.97	11,000	10,790	0.1590	57,087	12.57	4,542	2.5
2021	116,412.74	13,097	12,847	0.0960	121,028	13.53	8,943	1.5
2022	301,924.12	11,376	11,159	0.0321	336,054	14.51	23,162	0.5
<b>TOTAL</b>	<b>7,730,481.14</b>	<b>5,408,404</b>	<b>5,305,127</b>		<b>3,584,926</b>		<b>575,010</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	7.44%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.69
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	12.52
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	5.87

# American Water Works - Indiana

Account #: 334.200 - Meter Installations

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 37 of 375  
 Survivor Curve: R3  
 ASL: 40  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1925	86.61	108	37	0.3455	71		71	97.5
1926	213.96	267	92	0.3454	175		175	96.5
1927	2,109.63	2,637	911	0.3454	1,726		1,726	95.5
1928	405.50	507	175	0.3454	332		332	94.5
1929	5,185.89	6,482	2,239	0.3454	4,243		4,243	93.5
1930	5,311.75	6,640	2,293	0.3454	4,346		4,346	92.5
1931	111.36	139	48	0.3454	91		91	91.5
1932	90.98	114	39	0.3454	74		74	90.5
1935	31.83	40	14	0.3453	26		26	87.5
1936	613.47	767	265	0.3454	502		502	86.5
1937	2,381.58	2,977	1,028	0.3454	1,949		1,949	85.5
1938	1,810.03	2,263	782	0.3454	1,481		1,481	84.5
1939	981.77	1,227	424	0.3454	803		803	83.5
1940	1,020.22	1,275	441	0.3454	835		835	82.5
1941	3,431.85	4,290	1,482	0.3454	2,808		2,808	81.5
1942	1,905.12	2,381	823	0.3454	1,559		1,559	80.5
1943	5,686.45	7,108	2,455	0.3454	4,653		4,653	79.5
1944	2,013.34	2,517	869	0.3454	1,647		1,647	78.5
1945	7,686.47	9,608	3,319	0.3454	6,289		6,289	77.5
1946	9,200.01	11,500	3,972	0.3454	7,528		7,528	76.5
1947	7,731.11	9,664	3,338	0.3454	6,326		6,326	75.5
1948	16,266.49	20,333	7,023	0.3454	13,310		13,310	74.5
1949	2,028.77	2,536	876	0.3454	1,660		1,660	73.5
1950	14,190.46	17,738	6,127	0.3454	11,611		11,611	72.5
1951	5,178.97	6,474	2,236	0.3454	4,238		4,238	71.5
1952	12,595.94	15,745	5,439	0.3454	10,306		10,306	70.5
1953	13,722.45	17,153	5,925	0.3454	11,228		11,228	69.5
1954	26,829.51	33,537	11,584	0.3454	21,953		21,953	68.5



# American Water Works - Indiana

Account #: 334.200 - Meter Installations

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 318 of 375  
 Survivor Curve: R3  
 ASL: 40  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1955	36,945.91	45,605	15,753	0.3411	30,430	0.50	30,430	67.5
1956	37,739.12	46,569	16,086	0.3410	31,088	0.51	31,088	66.5
1957	36,640.49	45,070	15,568	0.3399	30,233	0.64	30,233	65.5
1958	40,477.58	49,550	17,116	0.3383	33,481	0.83	33,481	64.5
1959	45,477.43	55,369	19,125	0.3364	37,721	1.04	36,278	63.5
1960	94,071.75	113,867	39,332	0.3345	78,258	1.27	61,804	62.5
1961	41,946.38	50,464	17,431	0.3324	35,002	1.50	23,306	61.5
1962	66,573.74	79,587	27,491	0.3304	55,726	1.74	31,940	60.5
1963	56,257.19	66,818	23,080	0.3282	47,241	1.99	23,705	59.5
1964	73,171.51	86,332	29,820	0.3260	61,644	2.24	27,462	58.5
1965	81,898.70	95,978	33,153	0.3238	69,221	2.50	27,702	57.5
1966	60,072.62	69,921	24,152	0.3216	50,939	2.75	18,497	56.5
1967	78,690.55	90,963	31,420	0.3194	66,943	3.01	22,245	55.5
1968	94,727.57	108,744	37,562	0.3172	80,848	3.27	24,760	54.5
1969	95,391.27	108,740	37,561	0.3150	81,679	3.52	23,190	53.5
1970	181,407.47	205,323	70,922	0.3128	155,837	3.78	41,212	52.5
1971	123,275.52	138,512	47,844	0.3105	106,250	4.04	26,268	51.5
1972	126,258.22	140,798	48,634	0.3082	109,189	4.31	25,305	50.5
1973	158,975.45	175,898	60,758	0.3057	137,961	4.59	30,033	49.5
1974	145,279.96	159,428	55,069	0.3032	126,531	4.88	25,909	48.5
1975	106,099.32	115,425	39,870	0.3006	92,754	5.19	17,881	47.5
1976	202,275.01	218,035	75,313	0.2979	177,531	5.51	32,239	46.5
1977	195,689.91	208,876	72,149	0.2950	172,463	5.84	29,512	45.5
1978	197,490.31	208,598	72,053	0.2919	174,810	6.20	28,194	44.5
1979	162,786.97	170,023	58,729	0.2886	144,755	6.58	22,007	43.5
1980	321,160.67	331,431	114,482	0.2852	286,969	6.98	41,132	42.5
1981	286,815.77	292,205	100,933	0.2815	257,587	7.40	34,815	41.5
1982	244,023.06	245,211	84,700	0.2777	220,329	7.84	28,088	40.5

# American Water Works - Indiana

Account #: 334.200 - Meter Installations

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 319 of 375  
 Survivor Curve: R3  
 ASL: 40  
 Net Salvage: -25%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1983	382,874.14	379,124	130,956	0.2736	347,637	8.31	41,816	39.5
1984	338,776.86	330,239	114,070	0.2694	309,401	8.81	35,133	38.5
1985	327,600.49	314,052	108,479	0.2649	301,022	9.32	32,287	37.5
1986	464,157.15	437,123	150,990	0.2602	429,207	9.86	43,513	36.5
1987	402,709.89	372,165	128,552	0.2554	374,835	10.43	35,948	35.5
1988	550,703.00	498,854	172,313	0.2503	516,066	11.01	46,860	34.5
1989	810,626.66	718,923	248,328	0.2451	764,955	11.62	65,831	33.5
1990	585,956.32	508,170	175,531	0.2397	556,915	12.25	45,470	32.5
1991	1,046,048.38	886,010	306,043	0.2341	1,001,517	12.90	77,662	31.5
1992	907,974.74	750,145	259,113	0.2283	875,856	13.56	64,579	30.5
1993	963,995.82	775,801	267,975	0.2224	937,020	14.25	65,769	29.5
1994	877,039.05	686,583	237,158	0.2163	859,141	14.95	57,471	28.5
1995	1,037,906.82	789,219	272,610	0.2101	1,024,774	15.67	65,408	27.5
1996	1,249,250.08	921,269	318,222	0.2038	1,243,341	16.40	75,807	26.5
1997	1,242,076.28	886,903	306,351	0.1973	1,246,244	17.15	72,665	25.5
1998	1,074,927.17	741,900	256,265	0.1907	1,087,394	17.91	60,701	24.5
1999	1,941,778.68	1,293,004	446,626	0.1840	1,980,598	18.69	105,962	23.5
2000	1,453,213.70	931,745	321,841	0.1772	1,494,677	19.48	76,718	22.5
2001	1,929,029.36	1,188,329	410,469	0.1702	2,000,817	20.29	98,625	21.5
2002	1,429,918.09	844,347	291,652	0.1632	1,495,746	21.10	70,874	20.5
2003	650,948.08	367,498	126,940	0.1560	686,745	21.93	31,309	19.5
2004	1,119,868.18	602,769	208,207	0.1487	1,191,629	22.78	52,319	18.5
2005	102,739.82	52,559	18,155	0.1414	110,270	23.63	4,667	17.5
2006	7,867,718.03	3,812,222	1,316,806	0.1339	8,517,841	24.49	347,742	16.5
2007	126,914.30	58,020	20,041	0.1263	138,602	25.37	5,463	15.5
2008	1,181,917.81	507,574	175,325	0.1187	1,302,072	26.26	49,588	14.5
2009	1,543,399.99	619,552	214,004	0.1109	1,715,246	27.15	63,166	13.5
2010	790,152.37	294,795	101,827	0.1031	885,863	28.06	31,569	12.5

# American Water Works - Indiana

Account #: 334.200 - Meter Installations

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 320 of 375  
 Survivor Curve: R3  
 ASL: 40  
 Net Salvage: -25%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2011	1,844,354.96	635,315	219,449	0.0952	2,085,995	28.98	71,988	11.5
2012	2,706,620.69	854,130	295,031	0.0872	3,088,245	29.90	103,280	10.5
2013	2,794,587.21	800,428	276,481	0.0791	3,216,753	30.83	104,323	9.5
2014	1,343,191.29	345,244	119,253	0.0710	1,559,736	31.77	49,087	8.5
2015	2,031,978.59	462,118	159,623	0.0628	2,380,350	32.72	72,744	7.5
2016	3,483,582.64	688,387	237,781	0.0546	4,116,698	33.68	122,242	6.5
2017	4,813,314.68	806,752	278,666	0.0463	5,737,977	34.64	165,663	5.5
2018	2,831,995.94	389,224	134,445	0.0380	3,405,550	35.60	95,656	4.5
2019	5,525,357.12	591,847	204,434	0.0296	6,702,262	36.57	183,260	3.5
2020	5,937,381.19	455,122	157,207	0.0212	7,264,520	37.55	193,478	2.5
2021	6,251,247.61	287,998	99,479	0.0127	7,714,580	38.53	200,245	1.5
2022	9,476,957.70	145,749	50,344	0.0042	11,795,853	39.51	298,570	0.5
<b>TOTAL</b>	<b>84,981,231.85</b>	<b>30,940,578</b>	<b>10,687,403</b>		<b>95,539,137</b>		<b>4,435,944</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	5.22%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.13
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	13.25
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	28.35

# American Water Works - Indiana

Account #: 334.210 - Meter Installations - Other

Attachment LEK-2  
 ALG - Remaining Life Page 321 of 375  
 Survivor Curve: R3  
 ASL: 40  
 Net Salvage: 0%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1999	462,208.89	246,223	200,867	0.4346	261,342	18.69	13,982	23.5
2000	25.57	13	11	0.4185	15	19.48	1	22.5
2007	1,066.38	390	318	0.2984	748	25.37	29	15.5
2009	14,530.00	4,666	3,807	0.2620	10,723	27.15	395	13.5
2010	5,087.04	1,518	1,239	0.2435	3,848	28.06	137	12.5
2011	328,023.09	90,394	73,743	0.2248	254,281	28.98	8,775	11.5
2012	269,253.43	67,975	55,453	0.2060	213,800	29.90	7,150	10.5
2013	234,827.80	53,808	43,896	0.1869	190,932	30.83	6,192	9.5
2014	575,989.61	118,438	96,621	0.1677	479,369	31.77	15,086	8.5
2015	346,129.05	62,974	51,374	0.1484	294,755	32.72	9,008	7.5
2016	330,614.56	52,266	42,638	0.1290	287,977	33.68	8,551	6.5
2017	315,788.82	42,343	34,543	0.1094	281,246	34.64	8,120	5.5
2018	754,230.24	82,928	67,652	0.0897	686,578	35.60	19,285	4.5
2019	453,225.62	38,838	31,683	0.0699	421,542	36.57	11,526	3.5
2020	282,392.82	17,317	14,127	0.0500	268,266	37.55	7,145	2.5
2021	53,523.80	1,973	1,609	0.0301	51,914	38.53	1,348	1.5
2022	30,991.35	381	311	0.0100	30,680	39.51	777	0.5
<b>TOTAL</b>	<b>4,457,908.07</b>	<b>882,445</b>	<b>719,891</b>		<b>3,738,017</b>		<b>117,507</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	2.64%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.16
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	8.33
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	32.08

# American Water Works - Indiana

Account #: 334.300 - Meter Vaults

Attachment LEK-2  
 ALG - Remaining Life Page 322 of 375  
 Survivor Curve: S0.5  
 ASL: 40  
 Net Salvage: -30%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1998	230,710.88	136,065	55,701	0.1857	244,223	21.85	11,176	24.5
2007	1,835.70	755	309	0.1295	2,077	27.35	76	15.5
2008	134,162.52	52,209	21,373	0.1225	153,038	28.03	5,461	14.5
2009	967,870.40	354,729	145,215	0.1154	1,113,017	28.72	38,750	13.5
2010	773,208.03	265,458	108,670	0.1081	896,500	29.44	30,456	12.5
2011	1,104,465.74	352,964	144,492	0.1006	1,291,313	30.17	42,806	11.5
2012	682,197.29	201,427	82,458	0.0930	804,398	30.91	26,020	10.5
2013	595,254.19	160,929	65,879	0.0851	707,951	31.68	22,346	9.5
2014	746,477.21	182,762	74,817	0.0771	895,603	32.47	27,585	8.5
2015	1,980,583.81	433,116	177,304	0.0689	2,397,455	33.27	72,058	7.5
2016	3,349,940.43	642,782	263,135	0.0604	4,091,788	34.10	120,008	6.5
2017	4,864,970.12	799,831	327,426	0.0518	5,997,036	34.94	171,631	5.5
2018	3,839,568.93	523,110	214,145	0.0429	4,777,295	35.81	133,414	4.5
2019	5,342,149.34	573,541	234,790	0.0338	6,710,004	36.70	182,851	3.5
2020	3,857,805.06	299,887	122,764	0.0245	4,892,382	37.61	130,088	2.5
2021	3,976,000.68	188,139	77,018	0.0149	5,091,783	38.54	132,103	1.5
2022	6,414,664.01	102,820	42,091	0.0050	8,296,972	39.51	210,014	0.5
<b>TOTAL</b>	<b>38,861,864.34</b>	<b>5,270,524</b>	<b>2,157,587</b>		<b>48,362,837</b>		<b>1,356,843</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	3.49%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.06
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	4.64
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	35.83

# American Water Works - Indiana

Account #: 335.000 - Fire Hydrants

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 323 of 375  
 Survivor Curve: R2  
 ASL: 65  
 Net Salvage: -50%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1900	3,247.80	4,872	4,408	0.9049	463		463	122.5
1902	130.69	195	176	0.8979	20	0.50	20	120.5
1903	64.12	95	86	0.8976	10	0.52	10	119.5
1904	24.65	37	33	0.8955	4	0.68	4	118.5
1905	28.64	42	38	0.8922	5	0.91	5	117.5
1906	14.70	22	20	0.8889	2	1.14	2	116.5
1907	49.12	72	65	0.8856	8	1.39	6	115.5
1908	186.68	273	247	0.8819	33	1.65	20	114.5
1909	440.45	641	580	0.8784	80	1.90	42	113.5
1910	307.57	446	404	0.8747	58	2.17	27	112.5
1911	1,058.50	1,528	1,383	0.8710	205	2.43	84	111.5
1912	18.53	27	24	0.8671	4	2.71	1	110.5
1913	32,299.05	46,231	41,833	0.8635	6,615	2.97	2,224	109.5
1914	7.16	10	9	0.8594	2	3.26	0	108.5
1915	210,764.27	298,971	270,528	0.8557	45,618	3.53	12,918	107.5
1916	2,010.99	2,839	2,569	0.8518	447	3.81	117	106.5
1917	2,421.19	3,403	3,079	0.8478	553	4.10	135	105.5
1918	1,050.76	1,470	1,330	0.8438	246	4.38	56	104.5
1919	7,899.44	10,998	9,952	0.8399	1,898	4.67	406	103.5
1920	4,073.22	5,644	5,107	0.8359	1,003	4.96	202	102.5
1921	3,691.58	5,090	4,606	0.8318	931	5.25	178	101.5
1922	54.66	75	68	0.8278	14	5.53	3	100.5
1923	1,190.61	1,626	1,471	0.8238	315	5.83	54	99.5
1924	1,681.94	2,286	2,068	0.8198	455	6.11	74	98.5
1925	364.26	493	446	0.8157	101	6.41	16	97.5
1926	9,905.46	13,328	12,060	0.8117	2,798	6.69	418	96.5
1927	10,253.68	13,727	12,421	0.8076	2,959	6.99	424	95.5
1928	2,930.95	3,904	3,533	0.8035	864	7.28	119	94.5

# American Water Works - Indiana

Account #: 335.000 - Fire Hydrants

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 324 of 375  
 Survivor Curve: R2  
 ASL: 65  
 Net Salvage: -50%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1929	6,611.14	8,761	7,928	0.7994	1,989	7.57	263	93.5
1930	298.96	394	357	0.7954	92	7.87	12	92.5
1931	1,545.68	2,027	1,834	0.7912	484	8.16	59	91.5
1932	263.41	344	311	0.7871	84	8.46	10	90.5
1933	30.66	40	36	0.7828	10	8.76	1	89.5
1934	86.06	111	101	0.7786	29	9.07	3	88.5
1935	3,311.94	4,251	3,847	0.7744	1,121	9.37	120	87.5
1936	1,531.41	1,955	1,769	0.7700	528	9.69	55	86.5
1937	3,033.59	3,850	3,484	0.7656	1,066	10.00	107	85.5
1938	1,435.02	1,811	1,638	0.7612	514	10.32	50	84.5
1939	1,327.94	1,666	1,507	0.7566	485	10.65	46	83.5
1940	18,805.16	23,443	21,213	0.7520	6,995	10.98	637	82.5
1941	4,458.89	5,524	4,998	0.7473	1,690	11.32	149	81.5
1942	456.51	562	508	0.7425	176	11.66	15	80.5
1943	7,008.22	8,570	7,755	0.7377	2,758	12.01	230	79.5
1944	107.50	131	118	0.7327	43	12.37	3	78.5
1945	6,689.83	8,069	7,302	0.7276	2,733	12.73	215	77.5
1946	1,372.65	1,644	1,488	0.7224	571	13.10	44	76.5
1947	4,372.62	5,198	4,704	0.7172	1,855	13.48	138	75.5
1948	23,521.16	27,753	25,112	0.7118	10,169	13.87	733	74.5
1949	10,754.27	12,591	11,393	0.7063	4,739	14.27	332	73.5
1950	19,660.08	22,834	20,662	0.7006	8,829	14.67	602	72.5
1951	9,317.71	10,733	9,712	0.6949	4,265	15.08	283	71.5
1952	28,423.09	32,464	29,376	0.6890	13,259	15.51	855	70.5
1953	8,723.90	9,878	8,938	0.6830	4,148	15.94	260	69.5
1954	20,274.69	22,751	20,586	0.6769	9,826	16.38	600	68.5
1955	21,629.67	24,047	21,760	0.6707	10,685	16.82	635	67.5
1956	34,474.91	37,964	34,353	0.6643	17,360	17.28	1,005	66.5

# American Water Works - Indiana

Account #: 335.000 - Fire Hydrants

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 325 of 375  
 Survivor Curve: R2  
 ASL: 65  
 Net Salvage: -50%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1957	27,163.72	29,621	26,803	0.6578	13,943	17.75	786	65.5
1958	26,870.33	29,006	26,247	0.6512	14,059	18.22	772	64.5
1959	55,301.70	59,078	53,458	0.6444	29,495	18.71	1,577	63.5
1960	59,146.22	62,512	56,564	0.6376	32,155	19.20	1,675	62.5
1961	44,943.84	46,979	42,510	0.6306	24,906	19.70	1,264	61.5
1962	31,249.29	32,295	29,223	0.6234	17,651	20.22	873	60.5
1963	82,530.78	84,299	76,279	0.6162	47,517	20.74	2,291	59.5
1964	79,891.22	80,626	72,956	0.6088	46,881	21.27	2,204	58.5
1965	75,275.97	75,030	67,892	0.6013	45,022	21.81	2,064	57.5
1966	116,420.79	114,567	103,668	0.5936	70,963	22.36	3,174	56.5
1967	85,049.95	82,601	74,743	0.5859	52,832	22.91	2,306	55.5
1968	198,560.02	190,248	172,149	0.5780	125,691	23.48	5,353	54.5
1969	138,353.76	130,725	118,288	0.5700	89,242	24.06	3,710	53.5
1970	86,504.12	80,569	72,904	0.5619	56,852	24.64	2,307	52.5
1971	106,171.06	97,434	88,165	0.5536	71,092	25.23	2,817	51.5
1972	218,990.16	197,932	179,101	0.5452	149,384	25.83	5,783	50.5
1973	259,105.87	230,546	208,613	0.5368	180,046	26.44	6,809	49.5
1974	332,484.92	291,094	263,401	0.5281	235,326	27.06	8,696	48.5
1975	373,162.11	321,320	290,751	0.5194	268,992	27.69	9,716	47.5
1976	209,609.40	177,419	160,540	0.5106	153,874	28.32	5,433	46.5
1977	661,131.84	549,809	497,503	0.5017	494,195	28.96	17,063	45.5
1978	335,726.58	274,154	248,072	0.4926	255,518	29.61	8,628	44.5
1979	367,331.38	294,388	266,382	0.4835	284,616	30.27	9,402	43.5
1980	384,971.20	302,608	273,819	0.4742	303,638	30.94	9,814	42.5
1981	443,149.01	341,456	308,971	0.4648	355,752	31.61	11,254	41.5
1982	609,618.13	460,144	416,368	0.4553	498,060	32.29	15,424	40.5
1983	384,408.69	284,050	257,027	0.4458	319,586	32.98	9,690	39.5
1984	442,313.71	319,740	289,321	0.4361	374,150	33.68	11,111	38.5



# American Water Works - Indiana

Account #: 335.000 - Fire Hydrants

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 326 of 375  
 Survivor Curve: R2  
 ASL: 65  
 Net Salvage: -50%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1985	502,146.94	354,849	321,091	0.4263	432,130	34.38	12,570	37.5
1986	621,089.59	428,734	387,946	0.4164	543,689	35.09	15,495	36.5
1987	534,550.50	360,154	325,890	0.4064	475,935	35.80	13,293	35.5
1988	628,158.53	412,740	373,474	0.3964	568,764	36.53	15,571	34.5
1989	593,456.63	379,934	343,789	0.3862	546,396	37.26	14,665	33.5
1990	994,990.28	620,091	561,099	0.3759	931,387	37.99	24,514	32.5
1991	583,047.50	353,354	319,737	0.3656	554,834	38.74	14,323	31.5
1992	591,845.24	348,449	315,299	0.3552	572,468	39.49	14,497	30.5
1993	970,356.25	554,357	501,618	0.3446	953,916	40.24	23,703	29.5
1994	705,070.99	390,399	353,259	0.3340	704,348	41.01	17,177	28.5
1995	947,879.91	508,026	459,695	0.3233	962,125	41.78	23,031	27.5
1996	1,246,271.05	645,673	584,247	0.3125	1,285,159	42.55	30,204	26.5
1997	1,309,980.58	655,079	592,758	0.3017	1,372,213	43.33	31,669	25.5
1998	1,047,441.10	504,776	456,754	0.2907	1,114,407	44.12	25,260	24.5
1999	1,480,784.69	686,537	621,223	0.2797	1,599,954	44.91	35,626	23.5
2000	1,714,757.11	763,422	690,793	0.2686	1,881,343	45.71	41,160	22.5
2001	1,116,618.00	476,421	431,096	0.2574	1,243,831	46.51	26,743	21.5
2002	1,498,185.96	611,229	553,079	0.2461	1,694,200	47.32	35,802	20.5
2003	1,401,755.37	545,541	493,641	0.2348	1,608,992	48.14	33,426	19.5
2004	1,585,311.92	586,955	531,115	0.2233	1,846,853	48.96	37,725	18.5
2005	675,837.60	237,355	214,774	0.2119	798,982	49.78	16,050	17.5
2006	4,861,672.69	1,614,188	1,460,622	0.2003	5,831,887	50.61	115,227	16.5
2007	2,050,282.81	641,198	580,197	0.1887	2,495,227	51.45	48,500	15.5
2008	2,545,461.62	746,650	675,617	0.1769	3,142,575	52.29	60,100	14.5
2009	2,598,082.70	711,368	643,692	0.1652	3,253,432	53.14	61,229	13.5
2010	2,043,866.47	519,489	470,067	0.1533	2,595,733	53.99	48,082	12.5
2011	1,978,430.98	463,788	419,665	0.1414	2,547,981	54.84	46,461	11.5
2012	2,344,490.40	503,056	455,197	0.1294	3,061,538	55.70	54,963	10.5

# American Water Works - Indiana

Account #: 335.000 - Fire Hydrants

Attachment LEK-2  
 ALG - Remaining Life Page 327 of 375  
 Survivor Curve: R2  
 ASL: 65  
 Net Salvage: -50%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2013	2,598,238.83	505,626	457,523	0.1174	3,439,835	56.57	60,810	9.5
2014	2,108,440.62	368,008	332,998	0.1053	2,829,663	57.44	49,266	8.5
2015	3,025,104.21	466,968	422,543	0.0931	4,115,114	58.31	70,572	7.5
2016	4,444,690.75	596,028	539,325	0.0809	6,127,711	59.19	103,528	6.5
2017	4,856,736.70	552,310	499,766	0.0686	6,785,339	60.07	112,953	5.5
2018	3,505,551.12	326,914	295,813	0.0563	4,962,513	60.96	81,408	4.5
2019	4,608,499.84	334,980	303,112	0.0438	6,609,638	61.85	106,865	3.5
2020	8,355,052.30	434,738	393,379	0.0314	12,139,200	62.75	193,468	2.5
2021	6,526,659.38	204,167	184,743	0.0189	9,605,246	63.64	150,920	1.5
2022	7,774,913.09	81,208	73,482	0.0063	11,588,887	64.55	179,541	0.5
<b>TOTAL</b>	<b>93,746,843.36</b>	<b>25,432,720</b>	<b>23,013,169</b>		<b>117,607,096</b>		<b>2,233,883</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	2.38%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.25
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	14.04
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	53.24

# American Water Works - Indiana

Account #: 336.000 - Backflow Prevention Devices

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 326 of 375  
 Survivor Curve: R3  
 ASL: 35  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2021	14,415.19	607	745	0.0517	13,670	33.53	408	1.5
<b>TOTAL</b>	14,415.19	607	745		13,670		408	

COMPOSITE ANNUAL ACCRUAL RATE	2.83%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.05
COMPOSITE AVERAGE AGE (YEARS)	1.50
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	33.53

# American Water Works - Indiana

Account #: 339.300 - Miscellaneous Intangible Plant - Treatment

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2009	2,592.45	1,400	1,122	0.4329	1,470	11.50	128	13.5
2011	1,587.37	730	585	0.3687	1,002	13.50	74	11.5
2012	6,517.85	2,738	2,194	0.3367	4,324	14.50	298	10.5
2017	832.14	183	147	0.1763	685	19.50	35	5.5
2019	269,767.20	37,767	30,273	0.1122	239,494	21.50	11,139	3.5
2020	3,603.75	360	289	0.0802	3,315	22.50	147	2.5
<b>TOTAL</b>	<b>284,900.76</b>	<b>43,178</b>	<b>34,610</b>		<b>250,291</b>		<b>11,821</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	4.15%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.12
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	3.79
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	21.21

# American Water Works - Indiana

Account #: 339.500 - Miscellaneous Intangible Plant - Transmission & Distribution

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 330 of 375  
 Survivor Curve: SQ  
 ASL: 15  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1983	1,057.00	1,057	1,057	1.0000	0		0	40.5
1990	2,381.12	2,381	2,381	1.0000	0		0	33.5
1993	727.26	727	727	1.0000	0		0	30.5
2000	11,361.23	11,361	11,361	1.0000	0		0	23.5
2001	243.60	244	244	1.0000	0		0	22.5
2002	11,745.70	11,746	11,746	1.0000	0		0	21.5
2003	30,078.47	30,078	30,078	1.0000	0		0	20.5
2005	8,374.48	8,374	8,374	1.0000	0		0	18.5
2006	5,299.57	5,300	5,300	1.0000	0		0	17.5
2012	4,934.35	3,454	4,934	1.0000	0	4.50	0	10.5
2015	4,243.92	2,122	4,244	1.0000	0	7.50	0	7.5
2020	25,764.14	4,294	25,764	1.0000	0	12.50	0	2.5
2021	9,727.96	973	3,520	0.3618	6,208	13.50	460	1.5
<b>TOTAL</b>	<b>115,938.80</b>	<b>82,111</b>	<b>109,730</b>		<b>6,208</b>		<b>460</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	0.40%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.95
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	14.63
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	4.38

# American Water Works - Indiana

Account #: 339.600 - Miscellaneous Intangible Plant - Comprehensive Planning Studies

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2008	90,495.65	90,496	90,496	1.0000	0		0	15.5
2009	21,502.96	21,503	21,503	1.0000	0		0	14.5
2013	25.18	25	25	1.0000	0		0	10.5
2015	33.49	33	33	1.0000	0		0	8.5
<b>TOTAL</b>	<b>112,057.28</b>	<b>112,057</b>	<b>112,057</b>		<b>0</b>		<b>0</b>	

COMPOSITE ANNUAL ACCRUAL RATE 0.00%

THEORETICAL ACCUMULATED DEPRECIATION FACTOR 1.00

COMPOSITE AVERAGE AGE (YEARS) 15.30

DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS) 0.00

# American Water Works - Indiana

Account #: 340.100 - Office Furniture & Equipment

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 332 of 375  
 Survivor Curve: SQ  
 ASL: 20  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2003	15,732.84	15,340	15,733	1.0000	0	0.50	0	19.5
2004	1,554.08	1,438	1,554	1.0000	0	1.50	0	18.5
2006	163.74	135	164	1.0000	0	3.50	0	16.5
2007	91,342.53	70,790	80,692	0.8834	10,651	4.50	2,367	15.5
2008	89,137.25	64,625	72,318	0.8113	16,820	5.50	3,058	14.5
2009	83,982.86	56,688	63,437	0.7554	20,546	6.50	3,161	13.5
2010	36,645.65	22,904	25,630	0.6994	11,016	7.50	1,469	12.5
2011	67,275.30	38,683	43,288	0.6434	23,987	8.50	2,822	11.5
2012	90,719.43	47,628	53,297	0.5875	37,422	9.50	3,939	10.5
2013	69,068.30	32,807	36,713	0.5315	32,355	10.50	3,081	9.5
2014	149,720.15	63,631	71,206	0.4756	78,514	11.50	6,827	8.5
2015	81,973.70	30,740	34,400	0.4196	47,574	12.50	3,806	7.5
2016	58,308.99	18,950	21,206	0.3637	37,103	13.50	2,748	6.5
2017	106,194.35	29,203	32,680	0.3077	73,514	14.50	5,070	5.5
2018	70,084.41	15,769	17,646	0.2518	52,438	15.50	3,383	4.5
2019	279,989.63	48,998	54,831	0.1958	225,159	16.50	13,646	3.5
2020	269,336.98	33,667	37,675	0.1399	231,662	17.50	13,238	2.5
2021	46,765.22	3,507	3,925	0.0839	42,840	18.50	2,316	1.5
2022	47,109.25	1,178	1,318	0.0280	45,791	19.50	2,348	0.5
<b>TOTAL</b>	<b>1,655,104.66</b>	<b>596,682</b>	<b>667,713</b>		<b>987,392</b>		<b>73,279</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	4.43%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.40
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	7.21
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	12.79

# American Water Works - Indiana

Account #: 340.210 - Computer & Periphery - Mainframe

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life  
 Page 333 of 375  
 Survivor Curve: SQ  
 ASL: 5  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2018	219,610.78	197,650	219,611	1.0000	0	0.50	0	4.5
2019	6,503.37	4,552	6,503	1.0000	0	1.50	0	3.5
<b>TOTAL</b>	<b>226,114.15</b>	<b>202,202</b>	<b>226,114</b>		<b>0</b>		<b>0</b>	

COMPOSITE ANNUAL ACCRUAL RATE	0.00%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	1.00
COMPOSITE AVERAGE AGE (YEARS)	4.47
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	0.53



# American Water Works - Indiana

Account #: 340.220 - Computer & Periphery - Personal

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 334 of 375  
 Survivor Curve: SQ  
 ASL: 5  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2018	284,813.22	256,332	284,813	1.0000	0	0.50	0	4.5
2019	212,269.13	148,588	212,269	1.0000	0	1.50	0	3.5
2020	77,179.95	38,590	77,180	1.0000	0	2.50	0	2.5
2021	123,315.69	36,995	110,822	0.8987	12,494	3.50	3,570	1.5
2022	34,741.92	3,474	4,953	0.1426	29,789	4.50	6,620	0.5
<b>TOTAL</b>	<b>732,319.91</b>	<b>483,979</b>	<b>690,037</b>		<b>42,283</b>		<b>10,190</b>	

COMPOSITE ANNUAL ACCRUAL RATE	1.39%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.94
COMPOSITE AVERAGE AGE (YEARS)	3.30
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	1.70

# American Water Works - Indiana

Account #: 340.230 - Computer & Periphery - Other

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 35 of 375  
 Survivor Curve: SQ  
 ASL: 5  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2018	621,369.46	559,233	621,369	1.0000	0	0.50	0	4.5
2019	382,337.40	267,636	362,976	0.9494	19,361	1.50	12,908	3.5
2020	457,038.98	228,519	272,041	0.5952	184,998	2.50	73,999	2.5
2021	550,761.36	165,228	196,696	0.3571	354,065	3.50	101,162	1.5
2022	1,346,569.49	134,657	160,302	0.1190	1,186,267	4.50	263,615	0.5
<b>TOTAL</b>	<b>3,358,076.69</b>	<b>1,355,274</b>	<b>1,613,385</b>		<b>1,744,692</b>		<b>451,684</b>	

COMPOSITE ANNUAL ACCRUAL RATE	13.45%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.48
COMPOSITE AVERAGE AGE (YEARS)	2.02
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	2.98

# American Water Works - Indiana

Account #: 340.300 - Computer Software

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 336 of 375  
 Survivor Curve: SQ  
 ASL: 10  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2013	11,523,713.58	10,947,528	9,402,909	0.8160	2,120,804	0.50	2,120,804	9.5
2014	501,241.21	426,055	365,942	0.7301	135,300	1.50	90,200	8.5
2015	2,659,603.24	1,994,702	1,713,264	0.6442	946,339	2.50	378,536	7.5
2016	2,317,846.02	1,506,600	1,294,029	0.5583	1,023,817	3.50	292,519	6.5
2017	279,872.65	153,930	132,212	0.4724	147,661	4.50	32,814	5.5
2018	3,988,146.07	1,794,666	1,541,451	0.3865	2,446,695	5.50	444,854	4.5
2019	5,651,380.12	1,977,983	1,698,904	0.3006	3,952,477	6.50	608,073	3.5
2020	7,929,925.33	1,982,481	1,702,767	0.2147	6,227,158	7.50	830,288	2.5
2021	7,252,889.79	1,087,933	934,434	0.1288	6,318,456	8.50	743,348	1.5
2022	6,015,246.04	300,762	258,327	0.0429	5,756,919	9.50	605,991	0.5
<b>TOTAL</b>	<b>48,119,864.05</b>	<b>22,172,641</b>	<b>19,044,238</b>		<b>29,075,626</b>		<b>6,147,427</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	12.78%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.40
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	4.61
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	5.39

# American Water Works - Indiana

Account #: 340.310 - Computer Software - Mainframe

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 37 of 375  
 Survivor Curve: SQ  
 ASL: 6  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2021	286,589.37	71,647	286,589	1.0000	0	4.50	0	1.5
<b>TOTAL</b>	286,589.37	71,647	286,589		0		0	

COMPOSITE ANNUAL ACCRUAL RATE	0.00%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	1.00
COMPOSITE AVERAGE AGE (YEARS)	1.50
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	4.50

# American Water Works - Indiana

Account #: 340.325 - Computer Software - Customized

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life  
 Page 336 of 375  
 Survivor Curve: SQ  
 ASL: 5  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2018	1,697,627.14	1,527,864	1,697,627	1.0000	0	0.50	0	4.5
2019	2,926,278.34	2,048,395	2,461,024	0.8410	465,254	1.50	310,169	3.5
2020	547.51	274	318	0.5814	229	2.50	92	2.5
2021	113,775.60	34,133	39,691	0.3489	74,084	3.50	21,167	1.5
<b>TOTAL</b>	<b>4,738,228.59</b>	<b>3,610,666</b>	<b>4,198,661</b>		<b>539,567</b>		<b>331,428</b>	

COMPOSITE ANNUAL ACCRUAL RATE 6.99%

THEORETICAL ACCUMULATED DEPRECIATION FACTOR 0.89

COMPOSITE AVERAGE AGE (YEARS) 3.81

DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS) 1.19

# American Water Works - Indiana

Account #: 340.330 - Computer Software - Other

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 339 of 375  
 Survivor Curve: SQ  
 ASL: 5  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2018	56,280.07	50,652	52,720	0.9368	3,560	0.50	3,560	4.5
2019	296,355.37	207,449	215,920	0.7286	80,435	1.50	53,624	3.5
2020	148,385.95	74,193	77,223	0.5204	71,163	2.50	28,465	2.5
2022	4,781.70	478	498	0.1041	4,284	4.50	952	0.5
<b>TOTAL</b>	<b>505,803.09</b>	<b>332,772</b>	<b>346,361</b>		<b>159,442</b>		<b>86,601</b>	

COMPOSITE ANNUAL ACCRUAL RATE	17.12%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.68
COMPOSITE AVERAGE AGE (YEARS)	3.29
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	1.71

# American Water Works - Indiana

Account #: 341.100 - Transportation Equipment - Light Trucks

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2010	39,844.63	24,927	22,135	0.6536	11,733	2.38	4,938	12.5
2012	48,514.82	28,241	25,078	0.6081	16,160	2.84	5,697	10.5
2013	153,548.81	86,510	76,819	0.5886	53,697	3.03	17,695	9.5
2014	251,211.28	137,112	121,754	0.5702	91,775	3.22	28,494	8.5
2015	301,043.70	157,832	140,153	0.5477	115,734	3.45	33,558	7.5
2016	348,126.03	171,430	152,228	0.5144	143,679	3.79	37,950	6.5
2017	298,843.04	133,274	118,346	0.4659	135,670	4.28	31,714	5.5
2018	151,485.37	58,247	51,722	0.4017	77,040	4.93	15,631	4.5
2019	2,411,810.57	749,053	665,150	0.3245	1,384,889	5.71	242,472	3.5
2020	781,790.00	178,269	158,301	0.2382	506,221	6.59	76,868	2.5
2021	1,738,663.96	242,946	215,733	0.1460	1,262,131	7.52	167,826	1.5
2022	2,907,701.68	137,008	121,662	0.0492	2,349,885	8.50	276,422	0.5
<b>TOTAL</b>	<b>9,432,583.89</b>	<b>2,104,849</b>	<b>1,869,082</b>		<b>6,148,614</b>		<b>939,265</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	9.96%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.20
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	2.75
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	6.64

# American Water Works - Indiana

Account #: 341.200 - Transportation Equipment - Heavy Trucks

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2001	10,285.00	7,632	7,532	0.9155	696	0.94	696	21.5
2007	5,307.61	3,451	3,406	0.8022	840	2.43	345	15.5
2008	186,515.71	117,534	115,992	0.7774	33,221	2.76	12,037	14.5
2010	616,892.43	360,203	355,476	0.7203	138,038	3.51	39,309	12.5
2012	409,216.36	215,844	213,011	0.6507	114,362	4.43	25,822	10.5
2013	243,050.12	120,184	118,606	0.6100	75,834	4.96	15,275	9.5
2015	199,113.82	83,046	81,956	0.5145	77,335	6.22	12,428	7.5
2016	1,690,483.47	629,014	620,759	0.4590	731,627	6.95	105,217	6.5
2017	1,798,522.33	580,508	572,890	0.3982	865,928	7.75	111,661	5.5
2018	345,104.74	92,968	91,748	0.3323	184,336	8.62	21,379	4.5
2020	2,524,142.31	386,515	381,443	0.1889	1,637,871	10.51	155,814	2.5
2021	118,397.49	10,919	10,776	0.1138	83,942	11.50	7,298	1.5
<b>TOTAL</b>	<b>8,147,031.39</b>	<b>2,607,818</b>	<b>2,573,596</b>		<b>3,944,029</b>		<b>507,281</b>	

COMPOSITE ANNUAL ACCRUAL RATE	6.23%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.32
COMPOSITE AVERAGE AGE (YEARS)	5.86
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	7.80



# American Water Works - Indiana

Account #: 341.300 - Transportation Equipment - Autos

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 342 of 375  
 Survivor Curve: S1  
 ASL: 7  
 Net Salvage: 20%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2001	9,161.13	7,329	9,161	1.2500	-1,832		-1,832	22.5
2013	95,511.41	61,572	95,511	1.2500	-19,102	1.36	-14,053	9.5
2014	175,801.09	106,543	175,801	1.2500	-35,160	1.70	-20,718	8.5
2015	433,774.55	244,469	433,775	1.2500	-86,755	2.07	-41,938	7.5
2016	90,164.11	46,572	90,164	1.2500	-18,033	2.48	-7,270	6.5
2017	46,733.49	21,674	46,733	1.2500	-9,347	2.94	-3,177	5.5
2020	329,131.81	84,049	329,132	1.2500	-65,826	4.77	-13,813	2.5
2021	49,098.62	7,984	49,099	1.2500	-9,820	5.58	-1,761	1.5
<b>TOTAL</b>	<b>1,229,376.21</b>	<b>580,192</b>	<b>1,229,376</b>		<b>-245,875</b>		<b>-104,562</b>	

COMPOSITE ANNUAL ACCRUAL RATE	-8.51%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	1.00
COMPOSITE AVERAGE AGE (YEARS)	6.18
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	2.87

# American Water Works - Indiana

Account #: 341.400 - Transportation Equipment - Other

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 343 of 375  
 Survivor Curve: L2  
 ASL: 13  
 Net Salvage: 10%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1988	7,973.03	6,841	7,176	1.0000	0	0.61	0	34.5
1997	15,820.14	11,887	13,532	0.9504	707	2.15	329	25.5
1999	31.81	23	26	0.9141	2	2.56	1	23.5
2001	7,597.50	5,260	5,988	0.8757	850	3.00	283	21.5
2002	9,799.32	6,626	7,544	0.8553	1,276	3.23	395	20.5
2007	266,346.03	157,323	179,096	0.7471	60,615	4.47	13,566	15.5
2008	178,199.89	102,245	116,395	0.7257	43,985	4.71	9,334	14.5
2011	34,914.48	18,274	20,803	0.6620	10,620	5.44	1,952	11.5
2013	23,372.66	11,294	12,857	0.6112	8,179	6.02	1,358	9.5
2014	29,829.46	13,646	15,535	0.5786	11,312	6.39	1,770	8.5
2015	35,317.15	15,043	17,125	0.5388	14,660	6.85	2,141	7.5
2016	168,027.17	65,068	74,074	0.4898	77,151	7.41	10,417	6.5
2017	268,571.10	91,496	104,159	0.4309	137,555	8.08	17,026	5.5
2018	248,657.65	71,403	81,284	0.3632	142,507	8.85	16,098	4.5
2019	24,890.83	5,702	6,492	0.2898	15,910	9.69	1,642	3.5
2020	425,217.62	71,227	81,085	0.2119	301,611	10.58	28,506	2.5
2021	749,861.40	76,818	87,449	0.1296	587,426	11.52	50,991	1.5
<b>TOTAL</b>	<b>2,494,427.24</b>	<b>730,176</b>	<b>830,618</b>		<b>1,414,367</b>		<b>155,809</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	6.25%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.33
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	5.96
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	8.77

# American Water Works - Indiana

Account #: 342.000 - Stores Equipment

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 344 of 375  
 Survivor Curve: SQ  
 ASL: 25  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1998	1,378.09	1,351	1,378	1.0000	0	0.50	0	24.5
1999	12,304.92	11,567	12,305	1.0000	0	1.50	0	23.5
2006	6,918.07	4,566	5,602	0.8098	1,316	8.50	155	16.5
2007	27,386.64	16,980	18,730	0.6839	8,657	9.50	911	15.5
2010	12,129.01	6,065	6,690	0.5515	5,439	12.50	435	12.5
2015	11,405.06	3,422	3,774	0.3309	7,631	17.50	436	7.5
2016	10,303.26	2,679	2,955	0.2868	7,348	18.50	397	6.5
2018	25,245.57	4,544	5,013	0.1986	20,233	20.50	987	4.5
2020	29,780.09	2,978	3,285	0.1103	26,495	22.50	1,178	2.5
<b>TOTAL</b>	<b>136,850.71</b>	<b>54,150</b>	<b>59,732</b>		<b>77,119</b>		<b>4,499</b>	

COMPOSITE ANNUAL ACCRUAL RATE	3.29%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.44
COMPOSITE AVERAGE AGE (YEARS)	9.89
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	15.11

# American Water Works - Indiana

Account #: 343.000 - Tools, Shop and Garage Equipment

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life  
 Page 345 of 375  
 Survivor Curve: SQ  
 ASL: 25  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2002	14,171.31	11,620	11,826	0.8345	2,345	4.50	521	20.5
2003	1,343.98	1,048	1,067	0.7938	277	5.50	50	19.5
2004	155,403.49	114,999	117,032	0.7531	38,371	6.50	5,903	18.5
2005	111,182.40	77,828	79,204	0.7124	31,978	7.50	4,264	17.5
2006	148,169.63	97,792	99,521	0.6717	48,648	8.50	5,723	16.5
2007	225,629.91	139,891	142,365	0.6310	83,265	9.50	8,765	15.5
2008	370,298.77	214,773	218,572	0.5903	151,727	10.50	14,450	14.5
2009	354,670.51	191,522	194,909	0.5496	159,761	11.50	13,892	13.5
2010	201,395.04	100,698	102,478	0.5088	98,917	12.50	7,913	12.5
2011	261,034.28	120,076	122,199	0.4681	138,835	13.50	10,284	11.5
2012	186,096.34	78,160	79,543	0.4274	106,554	14.50	7,349	10.5
2013	889,433.04	337,985	343,962	0.3867	545,471	15.50	35,192	9.5
2014	363,767.12	123,681	125,868	0.3460	237,899	16.50	14,418	8.5
2015	322,240.08	96,672	98,382	0.3053	223,858	17.50	12,792	7.5
2016	528,550.28	137,423	139,853	0.2646	388,697	18.50	21,011	6.5
2017	706,065.34	155,334	158,082	0.2239	547,984	19.50	28,102	5.5
2018	1,105,637.08	199,015	202,534	0.1832	903,103	20.50	44,054	4.5
2019	602,753.65	84,386	85,878	0.1425	516,876	21.50	24,041	3.5
2020	686,842.80	68,684	69,899	0.1018	616,944	22.50	27,420	2.5
2021	825,204.17	49,512	50,388	0.0611	774,816	23.50	32,971	1.5
2022	749,324.30	14,986	15,252	0.0204	734,073	24.50	29,962	0.5

# American Water Works - Indiana

Account #: 343.000 - Tools, Shop and Garage Equipment

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
TOTAL	8,809,213.52	2,416,085	2,458,814		6,350,400		349,077	
COMPOSITE ANNUAL ACCRUAL RATE				3.96%				
THEORETICAL ACCUMULATED DEPRECIATION FACTOR				0.28				
COMPOSITE AVERAGE AGE (YEARS)				6.86				
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)				18.14				

# American Water Works - Indiana

Account #: 344.000 - Laboratory Equipment

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 347 of 375  
 Survivor Curve: SQ  
 ASL: 25  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2008	7,905.45	4,585	7,905	1.0000	0	10.50	0	14.5
2009	136,510.82	73,716	136,511	1.0000	0	11.50	0	13.5
2010	18,706.46	9,353	18,706	1.0000	0	12.50	0	12.5
2011	128,747.78	59,224	111,252	0.8641	17,496	13.50	1,296	11.5
2012	70,159.27	29,467	55,045	0.7846	15,114	14.50	1,042	10.5
2013	145,361.56	55,237	103,186	0.7099	42,176	15.50	2,721	9.5
2014	284,093.62	96,592	180,438	0.6351	103,656	16.50	6,282	8.5
2015	67,969.91	20,391	38,091	0.5604	29,879	17.50	1,707	7.5
2016	44,183.84	11,488	21,460	0.4857	22,724	18.50	1,228	6.5
2017	510,658.47	112,345	209,865	0.4110	300,794	19.50	15,425	5.5
2018	307,538.56	55,357	103,409	0.3362	204,129	20.50	9,958	4.5
2019	262,693.42	36,777	68,701	0.2615	193,992	21.50	9,023	3.5
2020	121,787.90	12,179	22,751	0.1868	99,037	22.50	4,402	2.5
2021	95,053.24	5,703	10,654	0.1121	84,399	23.50	3,591	1.5
2022	150,372.11	3,007	5,618	0.0374	144,754	24.50	5,908	0.5
<b>TOTAL</b>	<b>2,351,742.41</b>	<b>585,421</b>	<b>1,093,592</b>		<b>1,258,151</b>		<b>62,583</b>	

COMPOSITE ANNUAL ACCRUAL RATE	2.66%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.47
COMPOSITE AVERAGE AGE (YEARS)	6.22
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	18.78

# American Water Works - Indiana

Account #: 345.000 - Power Operated Equipment

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 348 of 375  
 Survivor Curve: L2  
 ASL: 20  
 Net Salvage: 5%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1965	62.35	59	54	0.9061	6		6	58.5
1970	9,516.56	8,635	7,824	0.8654	1,217	0.90	1,217	52.5
1975	1,612.69	1,400	1,269	0.8280	264	1.72	153	47.5
1979	564.24	470	426	0.7952	110	2.45	45	43.5
1984	42,448.11	33,422	30,282	0.7509	10,044	3.42	2,933	38.5
1988	8,468.67	6,325	5,731	0.7123	2,314	4.28	541	34.5
1989	4,735.50	3,486	3,159	0.7022	1,340	4.50	298	33.5
1990	3,505.00	2,542	2,303	0.6918	1,026	4.73	217	32.5
1991	18,573.86	13,265	12,019	0.6811	5,626	4.96	1,133	31.5
1992	38,225.30	26,865	24,341	0.6703	11,973	5.20	2,301	30.5
1993	1,333.00	921	835	0.6592	432	5.45	79	29.5
1995	13,366.48	8,923	8,085	0.6367	4,614	5.95	776	27.5
1997	46,989.67	30,246	27,404	0.6139	17,236	6.45	2,673	25.5
1998	25,218.34	15,932	14,436	0.6026	9,522	6.70	1,421	24.5
1999	63,209.36	39,191	35,509	0.5913	24,540	6.95	3,532	23.5
2000	30,414.60	18,505	16,766	0.5803	12,128	7.19	1,686	22.5
2001	4,909.35	2,931	2,655	0.5693	2,009	7.43	270	21.5
2004	17,870.21	10,054	9,109	0.5366	7,867	8.16	965	18.5
2005	52,716.19	29,025	26,298	0.5251	23,783	8.41	2,828	17.5
2006	87,174.34	46,883	42,478	0.5129	40,337	8.68	4,648	16.5
2007	60,632.70	31,768	28,783	0.4997	28,818	8.97	3,213	15.5
2008	8,793.39	4,472	4,052	0.4850	4,302	9.29	463	14.5
2009	46,384.64	22,785	20,645	0.4685	23,421	9.66	2,425	13.5
2010	98,648.36	46,513	42,143	0.4497	51,573	10.07	5,120	12.5
2011	122,584.01	55,031	49,861	0.4282	66,594	10.55	6,313	11.5
2012	11,862.06	5,019	4,548	0.4035	6,721	11.09	606	10.5
2013	179,305.33	70,617	63,982	0.3756	106,358	11.71	9,084	9.5
2014	8,794.06	3,175	2,877	0.3443	5,478	12.40	442	8.5

# American Water Works - Indiana

Account #: 345.000 - Power Operated Equipment

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 349 of 375  
 Survivor Curve: L2  
 ASL: 20  
 Net Salvage: 5%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2015	36,378.93	11,826	10,715	0.3100	23,845	13.16	1,812	7.5
2016	50,829.53	14,572	13,203	0.2734	35,085	13.96	2,512	6.5
2017	168,681.16	41,596	37,688	0.2352	122,559	14.81	8,276	5.5
2018	77,641.86	15,912	14,417	0.1955	59,343	15.69	3,783	4.5
2019	155,246.57	25,102	22,744	0.1542	124,741	16.60	7,516	3.5
2020	494,826.65	57,854	52,419	0.1115	417,667	17.54	23,814	2.5
2021	299,072.89	21,177	19,187	0.0675	264,932	18.51	14,313	1.5
2022	360,284.49	8,548	7,745	0.0226	334,525	19.50	17,155	0.5
<b>TOTAL</b>	<b>2,650,880.45</b>	<b>735,049</b>	<b>665,988</b>		<b>1,852,348</b>		<b>134,569</b>	

COMPOSITE ANNUAL ACCRUAL RATE	5.08%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.25
COMPOSITE AVERAGE AGE (YEARS)	8.40
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	14.16



# American Water Works - Indiana

Account #: 346.000 - Communication Equipment - Not Classified

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 350 of 375  
 Survivor Curve: SQ  
 ASL: 15  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2012	32,737.83	22,916	11,793	0.3602	20,945	4.50	4,654	10.5
2013	44,817.89	28,385	14,607	0.3259	30,211	5.50	5,493	9.5
2015	3,080.00	1,540	793	0.2573	2,288	7.50	305	7.5
2016	3,442.19	1,492	768	0.2230	2,675	8.50	315	6.5
2017	57,943.78	21,246	10,933	0.1887	47,010	9.50	4,948	5.5
2018	37,831.13	11,349	5,840	0.1544	31,991	10.50	3,047	4.5
2019	262,808.93	61,322	31,557	0.1201	231,252	11.50	20,109	3.5
2020	178,454.20	29,742	15,306	0.0858	163,148	12.50	13,052	2.5
2021	383,008.40	38,301	19,710	0.0515	363,298	13.50	26,911	1.5
2022	256,103.06	8,537	4,393	0.0172	251,710	14.50	17,359	0.5
<b>TOTAL</b>	<b>1,260,227.41</b>	<b>224,830</b>	<b>115,700</b>		<b>1,144,527</b>		<b>96,193</b>	

COMPOSITE ANNUAL ACCRUAL RATE	7.63%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.09
COMPOSITE AVERAGE AGE (YEARS)	2.68
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	12.32

# American Water Works - Indiana

Account #: 346.100 - Communication Equipment - Non-Telephone

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life Page 351 of 375  
 Survivor Curve: SQ  
 ASL: 15  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2008	690,263.03	667,254	690,263	1.0000	0	0.50	0	14.5
2009	39,617.39	35,656	39,617	1.0000	0	1.50	0	13.5
2010	20,809.83	17,342	20,810	1.0000	0	2.50	0	12.5
2011	5,681.59	4,356	5,682	1.0000	0	3.50	0	11.5
2012	8,767.25	6,137	8,767	1.0000	0	4.50	0	10.5
2013	248,220.94	157,207	248,221	1.0000	0	5.50	0	9.5
2014	206,993.55	117,296	168,971	0.8163	38,022	6.50	5,850	8.5
2015	1,141.59	571	671	0.5881	470	7.50	63	7.5
2016	1,387.00	601	707	0.5097	680	8.50	80	6.5
2017	139,357.54	51,098	60,099	0.4313	79,258	9.50	8,343	5.5
2018	56,080.75	16,824	19,788	0.3528	36,293	10.50	3,456	4.5
2019	483,882.86	112,906	132,796	0.2744	351,087	11.50	30,529	3.5
2020	685,252.00	114,209	134,328	0.1960	550,924	12.50	44,074	2.5
2021	527,253.02	52,725	62,013	0.1176	465,240	13.50	34,462	1.5
2022	321,391.59	10,713	12,600	0.0392	308,791	14.50	21,296	0.5
<b>TOTAL</b>	<b>3,436,099.93</b>	<b>1,364,894</b>	<b>1,605,334</b>		<b>1,830,766</b>		<b>148,153</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	4.31%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.47
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	5.96
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	9.04

# American Water Works - Indiana

Account #: 346.190 - Remote Control & Instrument

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 352 of 375  
 Survivor Curve: SQ  
 ASL: 15  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2008	395,673.71	382,485	299,190	0.7562	96,484	0.50	96,484	14.5
2009	829,537.52	746,584	583,999	0.7040	245,539	1.50	163,693	13.5
2010	264,036.17	220,030	172,114	0.6519	91,922	2.50	36,769	12.5
2011	1,252,052.21	959,907	750,866	0.5997	501,186	3.50	143,196	11.5
2012	557,317.80	390,122	305,165	0.5476	252,153	4.50	56,034	10.5
2013	1,149,999.53	728,333	569,722	0.4954	580,277	5.50	105,505	9.5
2014	443,683.84	251,421	196,668	0.4433	247,015	6.50	38,002	8.5
2015	1,022,598.61	511,299	399,953	0.3911	622,646	7.50	83,019	7.5
2016	811,771.47	351,768	275,162	0.3390	536,609	8.50	63,130	6.5
2017	961,160.29	352,425	275,677	0.2868	685,483	9.50	72,156	5.5
2018	1,440,413.39	432,124	338,019	0.2347	1,102,394	10.50	104,990	4.5
2019	4,329,929.93	1,010,317	790,298	0.1825	3,539,632	11.50	307,794	3.5
2020	2,190,039.45	365,007	285,518	0.1304	1,904,521	12.50	152,362	2.5
2021	696,367.09	69,637	54,472	0.0782	641,895	13.50	47,548	1.5
2022	490,347.78	16,345	12,785	0.0261	477,562	14.50	32,935	0.5
<b>TOTAL</b>	<b>16,834,928.79</b>	<b>6,787,803</b>	<b>5,309,609</b>		<b>11,525,320</b>		<b>1,503,617</b>	

COMPOSITE ANNUAL ACCRUAL RATE	8.93%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.32
COMPOSITE AVERAGE AGE (YEARS)	6.05
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	8.95

# American Water Works - Indiana

Account #: 346.200 - Communication Equipment - Telephone

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-2  
 ALG - Remaining Life 375  
 Page 353 of 375  
 Survivor Curve: SQ  
 ASL: 15  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2009	16,891.06	15,202	7,907	0.4681	8,984	1.50	5,989	13.5
2011	14,513.43	11,127	5,787	0.3987	8,726	3.50	2,493	11.5
2012	7,891.81	5,524	2,873	0.3641	5,019	4.50	1,115	10.5
2014	8,390.73	4,755	2,473	0.2947	5,918	6.50	910	8.5
2017	779.84	286	149	0.1907	631	9.50	66	5.5
2018	131,218.81	39,366	20,474	0.1560	110,744	10.50	10,547	4.5
2020	57,414.47	9,569	4,977	0.0867	52,438	12.50	4,195	2.5
2021	821.96	82	43	0.0520	779	13.50	58	1.5
2022	1,735.22	58	30	0.0173	1,705	14.50	118	0.5
<b>TOTAL</b>	<b>239,657.33</b>	<b>85,969</b>	<b>44,713</b>		<b>194,944</b>		<b>25,491</b>	

COMPOSITE ANNUAL ACCRUAL RATE	10.64%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.19
COMPOSITE AVERAGE AGE (YEARS)	5.38
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	9.62

# American Water Works - Indiana

Account #: 347.000 - Miscellaneous Equipment

Attachment LEK-2  
 ALG - Remaining Life Page 354 of 375  
 Survivor Curve: SQ  
 ASL: 20  
 Net Salvage: 0%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2003	1,048.64	1,022	835	0.7958	214	0.50	214	19.5
2004	109,761.48	101,529	82,870	0.7550	26,891	1.50	17,928	18.5
2005	94,176.48	82,404	67,260	0.7142	26,916	2.50	10,767	17.5
2006	1,266,942.31	1,045,227	853,135	0.6734	413,808	3.50	118,231	16.5
2007	1,625,225.24	1,259,550	1,028,069	0.6326	597,157	4.50	132,701	15.5
2008	80,976.39	58,708	47,919	0.5918	33,058	5.50	6,011	14.5
2009	54,330.63	36,673	29,933	0.5509	24,397	6.50	3,753	13.5
2010	44,742.76	27,964	22,825	0.5101	21,918	7.50	2,922	12.5
2011	41,854.18	24,066	19,643	0.4693	22,211	8.50	2,613	11.5
2012	110,378.71	57,949	47,299	0.4285	63,080	9.50	6,640	10.5
2013	349,471.75	165,999	135,492	0.3877	213,980	10.50	20,379	9.5
2014	186,910.07	79,437	64,838	0.3469	122,072	11.50	10,615	8.5
2015	104,939.00	39,352	32,120	0.3061	72,819	12.50	5,826	7.5
2016	228,685.92	74,323	60,664	0.2653	168,022	13.50	12,446	6.5
2017	378,080.46	103,972	84,864	0.2245	293,216	14.50	20,222	5.5
2018	162,481.70	36,558	29,840	0.1836	132,642	15.50	8,558	4.5
2019	558,254.23	97,694	79,740	0.1428	478,514	16.50	29,001	3.5
2020	273,223.51	34,153	27,876	0.1020	245,347	17.50	14,020	2.5
2021	141,649.98	10,624	8,671	0.0612	132,979	18.50	7,188	1.5
2022	354,475.05	8,862	7,233	0.0204	347,242	19.50	17,807	0.5
<b>TOTAL</b>	<b>6,167,608.49</b>	<b>3,346,068</b>	<b>2,731,125</b>		<b>3,436,484</b>		<b>447,842</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	7.26%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.44
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	10.85
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	9.15



## SECTION 9

## 9 ESTIMATION OF SURVIVOR CURVES

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### 9.1 Average Service Life

All assets have a service life, which is defined as “the period of time from its installation until it is retired from service”<sup>3</sup>. All account groups of property are made up of various assets with differing service lives and investment values. To calculate a depreciation rate, one must first calculate an average life for all assets in a single account. This can be done by ascertaining the age at retirement for every asset in an account and plotting it as a percentage of the units surviving at each age interval (a “Survivor Curve”). From the average life for each account, remaining lives can then be found which are then used to calculate the annual depreciation accruals and ultimately depreciation rate. A discussion of the general concept of survivor curves is presented and the Iowa type survivor curves are reviewed.

### 9.2 Survivor Curves

A survivor curve is defined as “a graph of the percent of units remaining in service expressed as a function of age”<sup>4</sup>. To calculate the average life of the group, the remaining life expectancy, the probable life and the frequency curve, one must first create a survivor curve. Figure 1 shows a typical 40-R4 smoothed survivor curve as well as the accompanying derived curves. The type 40-R4 refers to the Iowa type curve, whose designation will be explained in further detail in the next section

To calculate the average service life, one must calculate the area under the survivor curve and divide by the percent surviving at age zero. The remaining life is equal to the area under the survivor curve and to the right of the current age, divided by the percent surviving at the current age. In Figure 1, for example, the hatched area to the right of age 45 divided by 28.9 percent surviving balance represents the remaining life for an asset that has reached that age. The probable life is “the total life expectancy of the property surviving at any age and is equal to the remaining life plus the current age.”<sup>5</sup> 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 is calculated by taking the difference between the percent surviving on successive years on the survivor curve<sup>6</sup>. Alternatively, frequency can be empirically determined by finding the amount of retirements at any given age. Plotting retirement frequency from the youngest to oldest ages and then taking the cumulative frequencies will generate percent surviving versus age.

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<sup>3</sup> Wolf, Frank K. and W. Chester Fitch, *Depreciation Systems* (Iowa State University Press, 1994), 21.

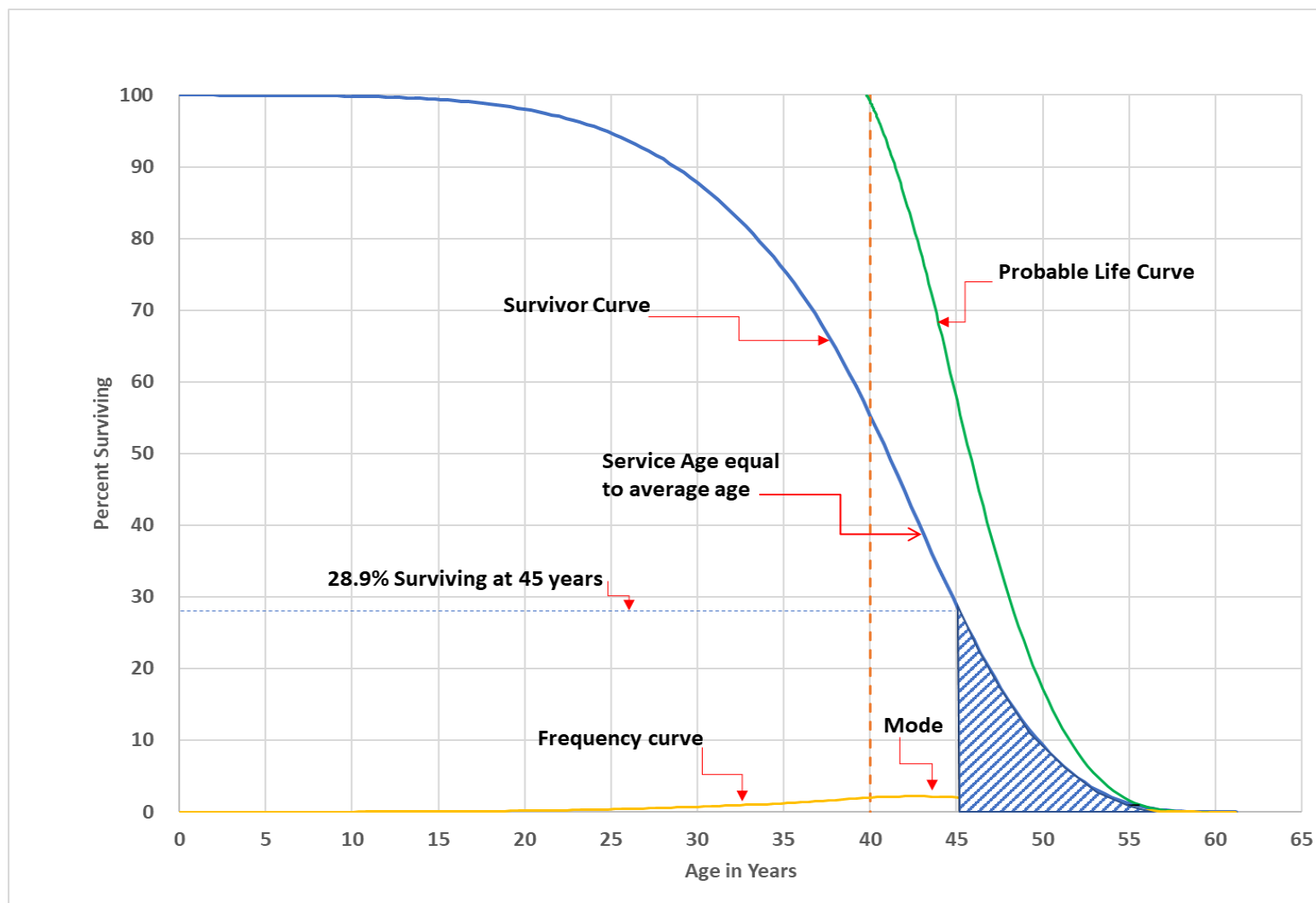
<sup>4</sup> *Ibid*, 23.

<sup>5</sup> *Ibid*, 29.

<sup>6</sup> *Ibid*, 23-24.



Figure 1: Typical Survivor Curve (40-R4) and Derived Curves





### 9.3 Iowa Type Curves

In 1931, Robley Winfrey and Edwin Kurtz of the Engineering Research Institute at Iowa State University published Bulletin 103, which laid the groundwork for what would eventually be known as the Iowa Curves. “The 13 type curves can be used as valuable aids in forecasting the probable future service lives of individual items and of groups of items of different kinds of physical equipment”<sup>7</sup>. The 13 curves described in Bulletin 103 eventually became a series of 22 generalized survivor curves which are used throughout the regulated utility industry. These 22 curves were described in Bulletin 125, published in 1967 by Harold A. Cowles, which became known as the Iowa curves.

The Iowa curves are organized with three variables: the average life of the plant; the location of the mode; and the variation of the life. All Iowa curves have both a letter and a number to represent the shape and height of the mode. The L curves, or left-moded curves, are used when the mode of the curve should be to the left of the average life. There are six L curves are presented in Figure 2. The R curves, or right-moded, are used when the mode of the curve should be to the right of the average life. There are five R curves, which are presented in Figure 3. The S curves, or symmetrically-moded, are used when the mode is equal to the average life. There are seven S curves, which are presented in Figure 4. The O curves, or origin curves, are used when the mode occurs at age 0. There are four O curves, which are presented in Figure 5. There are some occasions where it is appropriate to use a half curve. In these cases, the curve is assumed to be exactly half way between the two curves.

In addition to Bulletin 125, Iowa curves have also been presented in subsequent Experiment Station bulletins and in the text *Engineering Valuation and Depreciation*<sup>8</sup>. In 1957, Frank V. B. Couch, Jr., an Iowa State College graduate student, submitted a thesis<sup>9</sup> presenting his development of the fourth family consisting of the four O-type survivor curves.

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<sup>7</sup> *Ibid*, 21

<sup>8</sup> Marston, Anson, Robley Winfrey and Jean C. Hempstead, *Engineering Valuation and Depreciation* (The Iowa State University Press, 1953)

<sup>9</sup> Couch, Frank V. B., Jr., *Classification of Type O Retirement Characteristics of Industrial Property* Unpublished M.S. Thesis (Engineering Valuation, Library, Iowa State College, Ames, Iowa, 1957)





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

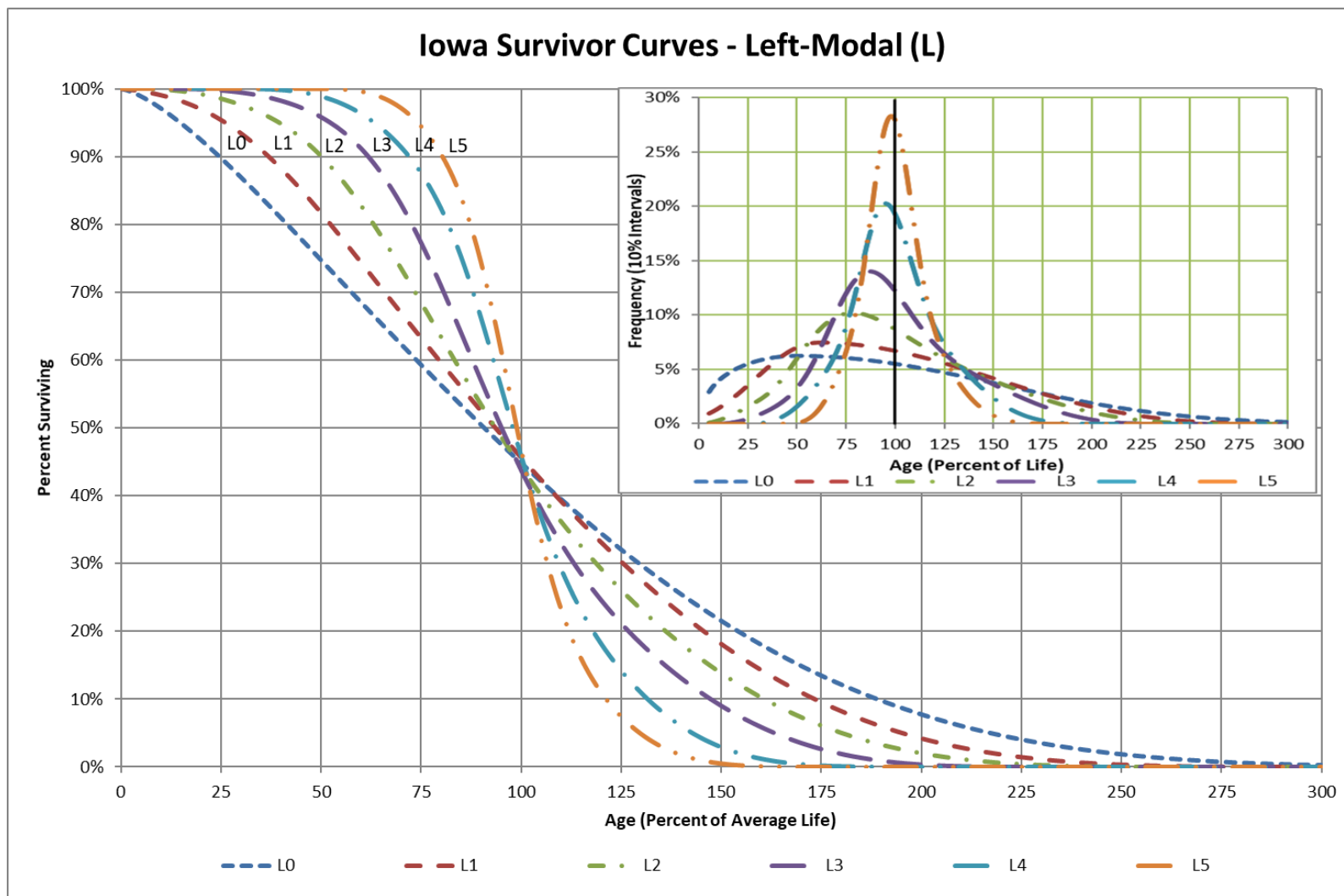




Figure 3: Right Modal or "R" Iowa Type Survivor Curves

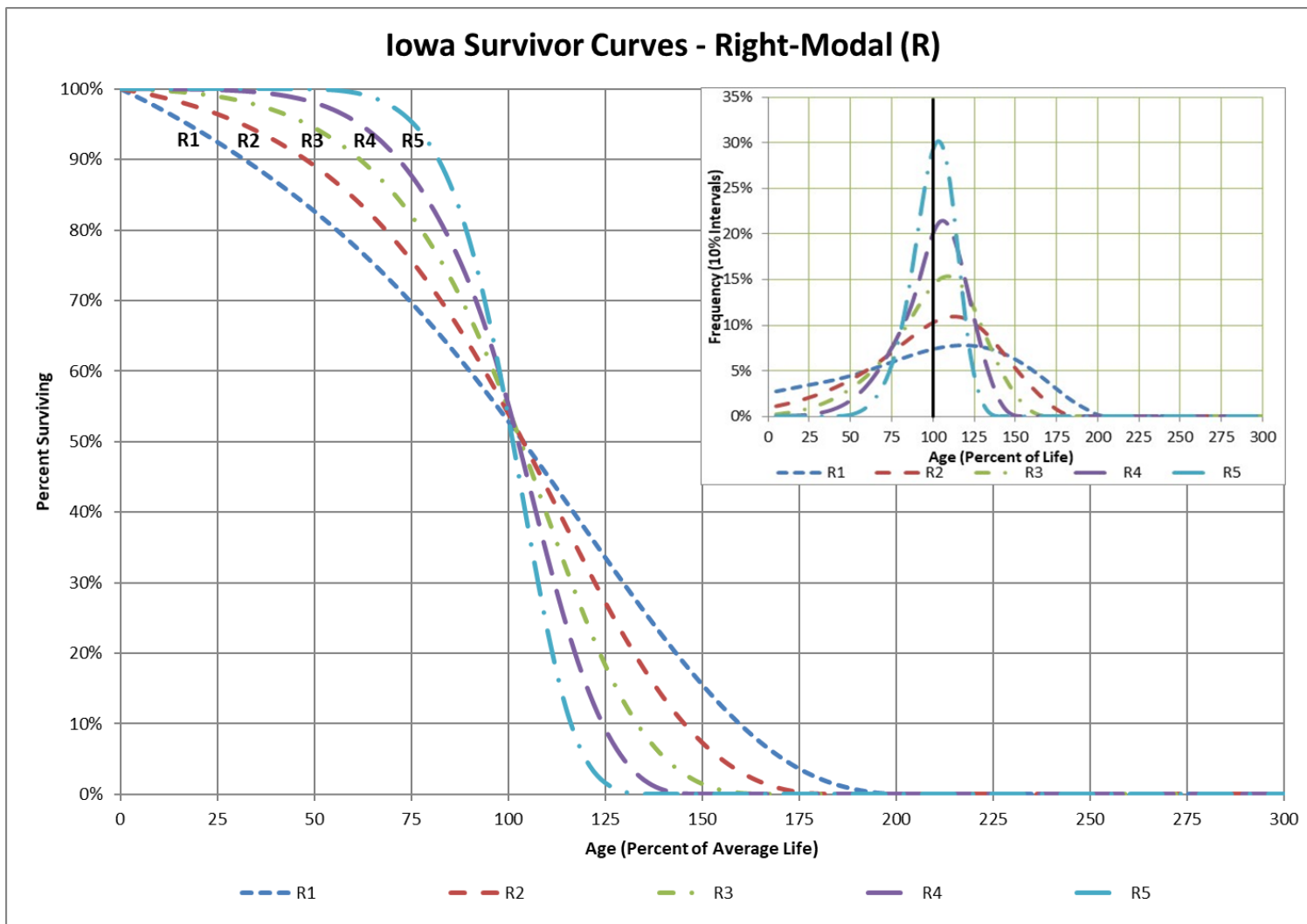




Figure 4: Symmetrical or "S" Iowa Type Survivor Curves

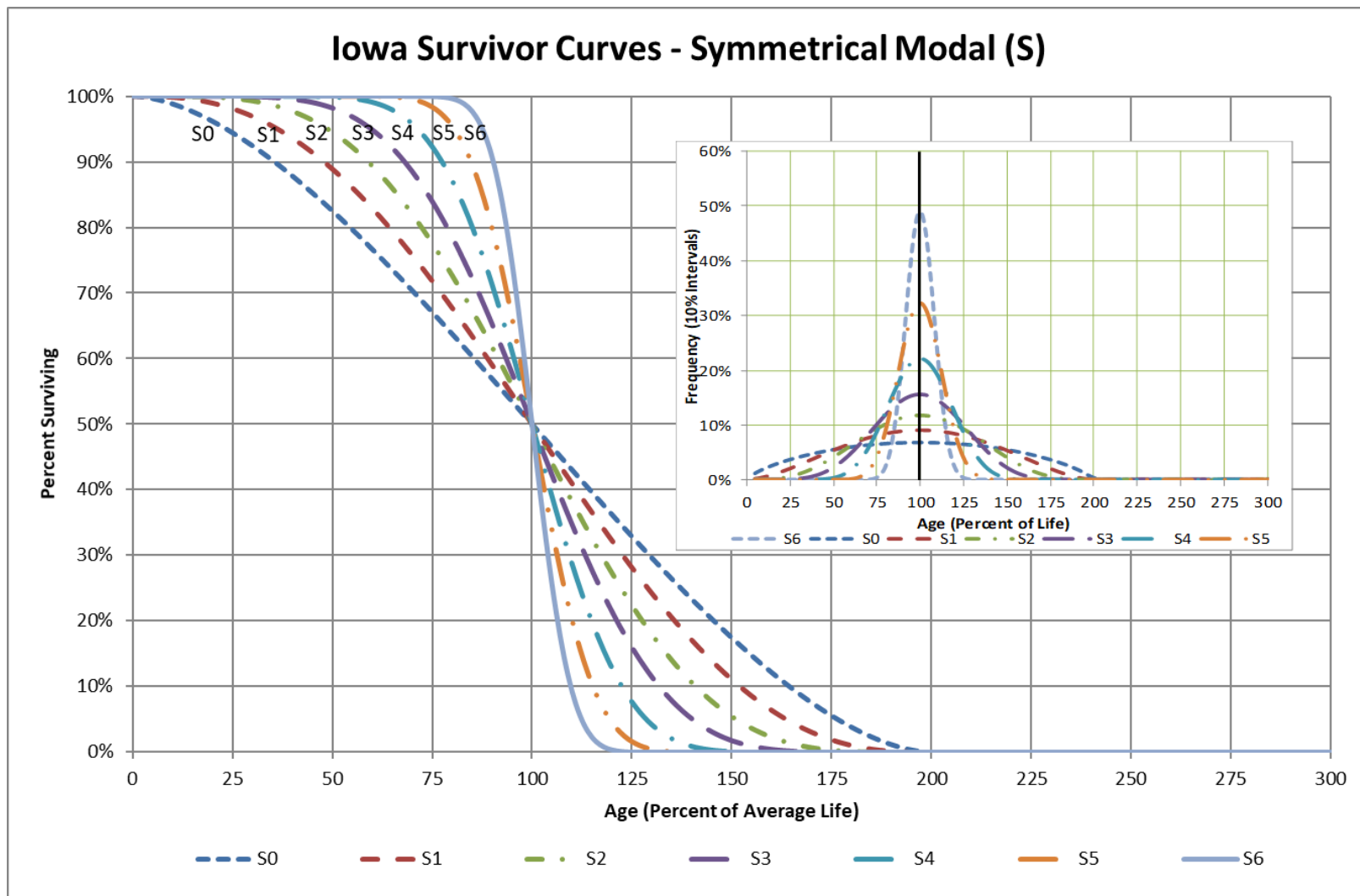
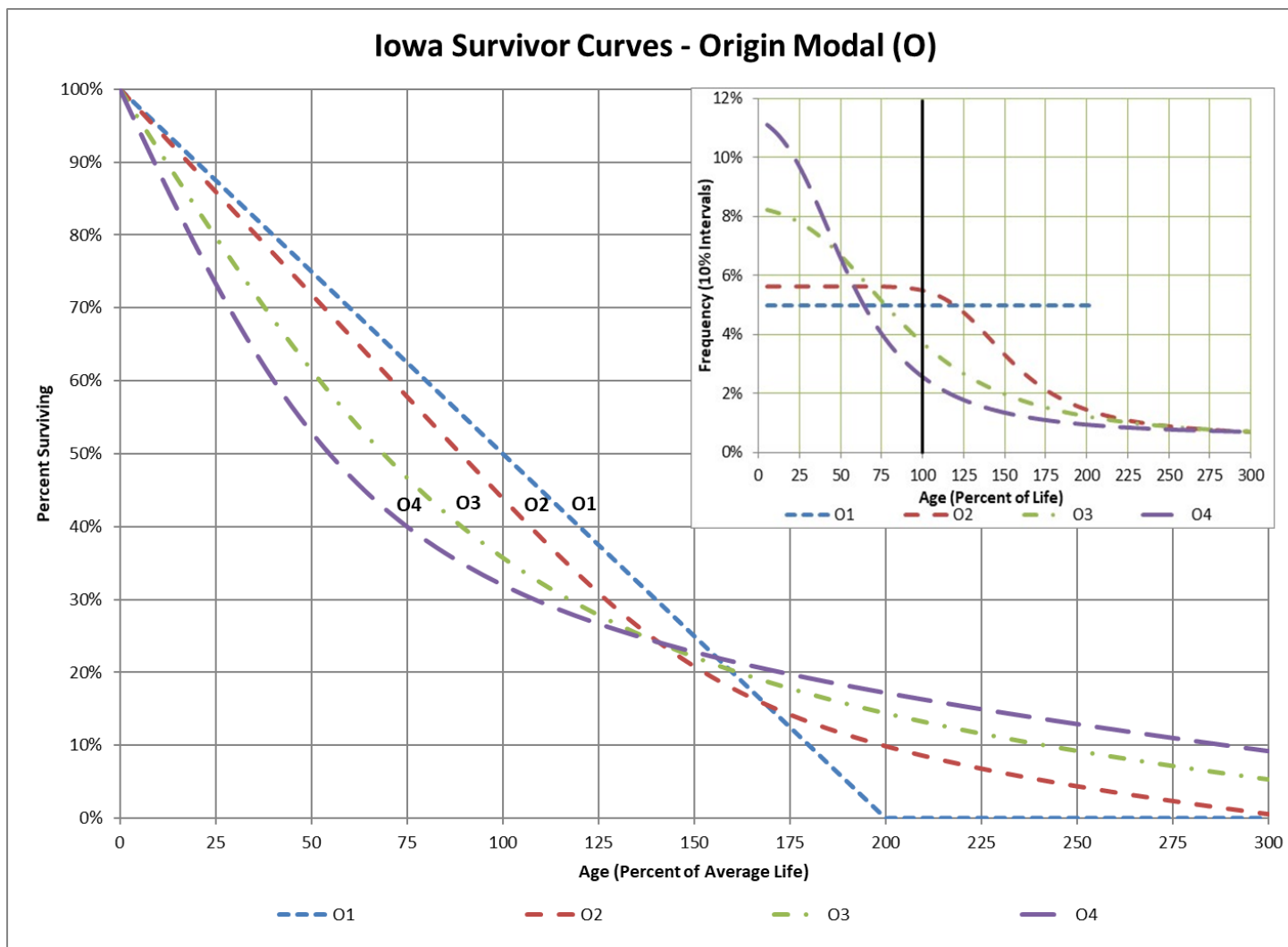




Figure 5: Origin Modal or "O" Iowa Type Survivor Curves





## 9.4 Retirement Rate Method of Analysis

The retirement rate method is a widely accepted actuarial method used to create survivor curves. This method is also referred to as an original life table. These survivor curves can then be used to determine the average service life of a plant account. The retirement rate method is thoroughly explained in several publications, including Statistical Analyses of Industrial Property Retirements,<sup>10</sup> Engineering Valuation and Depreciation<sup>11</sup> and Depreciation Systems.<sup>12</sup>

The retirement rate method is a subgroup of the placement and the experience band methods, as described in “Depreciation Systems”. The placement band method creates a survivor curve which describes the life characteristics of assets placed into service during a selected timeframe. The experience band method creates a survivor curve which describes the life characteristics of assets removed from service during a selected time frame. The retirement rate method creates both placement and experience bands to give the most complete or representative data. 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.

## 9.5 Schedules of Annual Transactions in Plant Records

The property group used to illustrate the retirement rate method is observed for the experience band 2008-2017 during which there were placements during the years 2003-2017. In order to illustrate the summation of the aged data by age interval, the data was compiled in the manner presented in Schedules 1 and 2. In Schedule 1 (page 9-10), 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 asset invested in 2003 were retired in 2008. The \$10,000 retirement occurred during the age interval between 4 ½ and 5 ½ years (2008 - 2003) on the basis that approximately one-half of the amount of property was installed prior to and after 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 2008 retirements of 2003 installations and ending with the 2016 retirements of the 2011 installations. Thus, the total amount of \$143,000 for age interval 4½-5½ equals the sum of:

$$\$10 + \$12 + \$13 + \$11 + \$13 + \$13 + \$15 + \$17 + \$19 + \$20 = \$143 \text{ k}$$

<sup>10</sup> Anson, Winfrey & Hempstead, supra note 6

<sup>11</sup> Anson, Winfrey & Hempstead, supra note 6

<sup>12</sup> Wolf & Fitch, supra note 1



Other transactions which affect the group are recorded in a similar manner in Schedule 2 (page 9-11). 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 1. Retirements for each year 2008-2017 – summarized by age interval

Experience Band 2008-2017 Placement Band 2003-2017

**Retirements (Thousands of Dollars)  
Annual Survivors at the Beginning of the Year**

Year Placed (1)	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)	Total Durring Age Interval (12)	Age Interval (13)
2003	10	11	12	13	14	16	23	24	25	26	26	13½-14½
2004	11	12	13	15	16	18	20	21	22	19	44	12½-13½
2005	11	12	13	14	16	17	19	21	22	18	64	11½-12½
2006	8	9	10	11	11	13	14	15	16	17	83	10½-11½
2007	9	10	11	12	13	14	16	17	19	20	93	9½-10½
2008	4	9	10	11	12	13	14	15	16	20	105	8½-9½
2009		5	11	12	13	14	15	16	18	20	113	7½-8½
2010			6	12	13	15	16	17	19	19	124	6½-7½
2011				6	13	15	16	17	19	19	131	5½-6½
2012					7	14	16	17	19	20	143	4½-5½
2013						8	18	20	22	23	146	3½-4½
2014							9	20	22	25	150	2½-3½
2015								11	23	25	151	1½-2½
2016									11	24	153	½-1½
2017										13	80	0-½
<b>Total</b>	<b>53</b>	<b>68</b>	<b>86</b>	<b>106</b>	<b>128</b>	<b>157</b>	<b>196</b>	<b>231</b>	<b>273</b>	<b>308</b>	<b>1,606</b>	



Schedule 2. Other Transactions for Each year 2008-2017 – summarized by age interval

Experience Band 2008-2017

Placement Band 2003-2017

**Acquisitions, Transfers and Sales (Thousands of Dollars)  
Annual Survivors at the Beginning of the Year**

Year Placed (1)	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)	Total Durring Age Interval (12)	Age Interval (13)
2003	-	-	-	-	-	-	60 <sup>a</sup>	-	-	-	-	13½-14½
2004	-	-	-	-	-	-	-	-	-	-	-	12½-13½
2005	-	-	-	-	-	-	-	-	-	-	-	11½-12½
2006	-	-	-	-	-	-	-	(5) <sup>b</sup>	-	-	60	10½-11½
2007	-	-	-	-	-	-	-	6 <sup>a</sup>	-	-	-	9½-10½
2008	-	-	-	-	-	-	-	-	-	-	(5)	8½-9½
2009	-	-	-	-	-	-	-	-	-	-	-	7½-8½
2010	-	-	-	-	-	-	-	-	-	-	-	6½-7½
2011	-	-	-	-	-	-	-	(12) <sup>b</sup>	-	-	-	5½-6½
2012	-	-	-	-	-	-	-	-	22 <sup>a</sup>	-	-	4½-5½
2013	-	-	-	-	-	-	-	(19) <sup>b</sup>	-	-	10	3½-4½
2014	-	-	-	-	-	-	-	-	-	-	-	2½-3½
2015	-	-	-	-	-	-	-	-	-	(102) <sup>c</sup>	(121)	1½-2½
2016	-	-	-	-	-	-	-	-	-	-	-	½-1½
2017	-	-	-	-	-	-	-	-	-	-	-	0-½
<b>Total</b>	-	-	-	-	-	-	<b>60</b>	<b>(30)</b>	<b>22</b>	<b>(102)</b>	<b>(50)</b>	

<sup>a</sup> Transfer Affecting Exposures at Beginning of Year

<sup>b</sup> Transfer Affecting Exposures at End of Year

<sup>c</sup> Sale with Continued Use

Parentheses denote Credit amount.





## 9.6 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 (page 9-13). The surviving plant at the beginning of each year from 2007 through 2016 is recorded by year in the portion of the table titled "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 2013 are calculated in the following manner:

Exposures at age 0	=	amount of addition	=	\$750,000
Exposures at age ½	=	\$750,000 - \$ 8,000	=	\$742,000
Exposures at age 1½	=	\$742,000 - \$18,000	=	\$724,000
Exposures at age 2½	=	\$724,000 - \$20,000 - \$19,000	=	\$685,000
Exposures at age 3½	=	\$685,000 - \$22,000	=	\$663,000

For the entire experience band 2008-2018, the total exposures at the beginning of an age interval are obtained by summing diagonally in a manner similar to the summing of the retirements during an age interval (Schedule 1). For example, the figure of 3,789, shown as the total exposures at the beginning of age interval 4½-5½, is obtained by summing:

$$\$255 + \$268 + \$ 284 + \$311 + \$334 + \$374 + \$405 + \$448 + \$501 + \$609 = \$3,789k$$



Schedule 3 – Plant exposed to retirement at the beginning of each year, 2008 -2017 – summarized by age interval

Experience Band 2008 - 2017

Placement Band 2003-2017

**Exposures (Thousands of Dollars)  
Annual Survivors at the Beginning of the Year**

Year Placed (1)	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)	Total at Beginning of Age Interval (12)	Age Interval (13)
2003	255	245	234	222	209	195	239	216	192	167	167	13½-14½
2004	279	268	256	243	228	212	194	174	153	131	323	12½-13½
2005	307	296	284	271	257	241	224	205	184	162	531	11½-12½
2006	338	330	321	311	300	289	276	262	242	226	823	10½-11½
2007	376	367	257	346	334	321	307	267	280	261	1,097	9½-10½
2008	420 <sup>o</sup>	416	407	397	386	374	361	347	332	316	1,503	8½-9½
2009		460 <sup>o</sup>	455	444	432	419	405	390	374	356	1,952	7½-8½
2010			510 <sup>o</sup>	504	492	479	464	448	431	412	2,463	6½-7½
2011				580 <sup>o</sup>	574	561	546	530	501	482	3,057	5½-6½
2012					660 <sup>o</sup>	653	639	623	628	609	3,789	4½-5½
2013						750 <sup>o</sup>	742	724	685	663	4,332	3½-4½
2014							850 <sup>o</sup>	841	821	799	4,955	2½-3½
2015								960 <sup>o</sup>	949	923	5,719	1½-2½
2016									1,080 <sup>o</sup>	1,069	6,579	½-1½
2017										1,220 <sup>o</sup>	7,490	0-½
<b>Total</b>	<b>1,975</b>	<b>2,382</b>	<b>2,724</b>	<b>3,318</b>	<b>3,872</b>	<b>4,494</b>	<b>5,247</b>	<b>5,987</b>	<b>6,852</b>	<b>7,796</b>	<b>44,780</b>	

<sup>o</sup> Additions during the year.

1555	1922	2214	2738	3212	3744	4397	5027	5772	6576	44780
420	460	510	580	660	750	850	960	1080	1220	0
1975	2382	2724	3318	3872	4494	5247	5987	6852	7796	44780



## 9.7 Original Life Tables

The original life table, illustrated in Schedule 4 (page 9-15) 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 percent at age zero and successively multiplying the percent surviving at the beginning of each interval by the survivor ratio, i.e., one minus the retirement ratio for that age interval. The calculations necessary to determine the percent surviving at age 5½ are as follows:

Percent surviving at age 4½	=	88.15	
Exposures at age 4½	=	\$3,789,000	
Retirements from age 4½ to 5½	=	\$143,000	
Retirement Ratio	=	$\$143,000 \div \$3,789,000$	= 0.0377
Survivor Ratio	=	$1.000 - 0.0377$	= 0.9623
Percent surviving at age 5½	=	$(88.15) \times (0.9623)$	= 84.83

The totals of the exposures and retirements (columns 2 and 3) are shown for the purpose of checking with the respective totals in Schedules 1 and 3. The ratio of the total retirements to the total exposures, other than for each age interval, is meaningless. 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.



Schedule 4: Original Life Table - Calculated by the Retirement Rate Method

Experience Band 2008-2017			Placement Band 2003-2017		
Age at Beginning of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retirement Ratio	Survivor Ratio	% Surviving at Beginning of Age Interval
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	55.6
12.5	323	44	0.1362	0.8638	48.9
13.5	167	26	0.1557	0.8443	42.24
<b>Total</b>	<b>44,780</b>	<b>1,606</b>			<b>35.66</b>

- Exposure and Retirement Amounts are in Thousands of Dollars
- 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.



## 9.8 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 percent 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 percentages 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 a L1 Iowa Type Curve Original and Smooth Survivor Curves

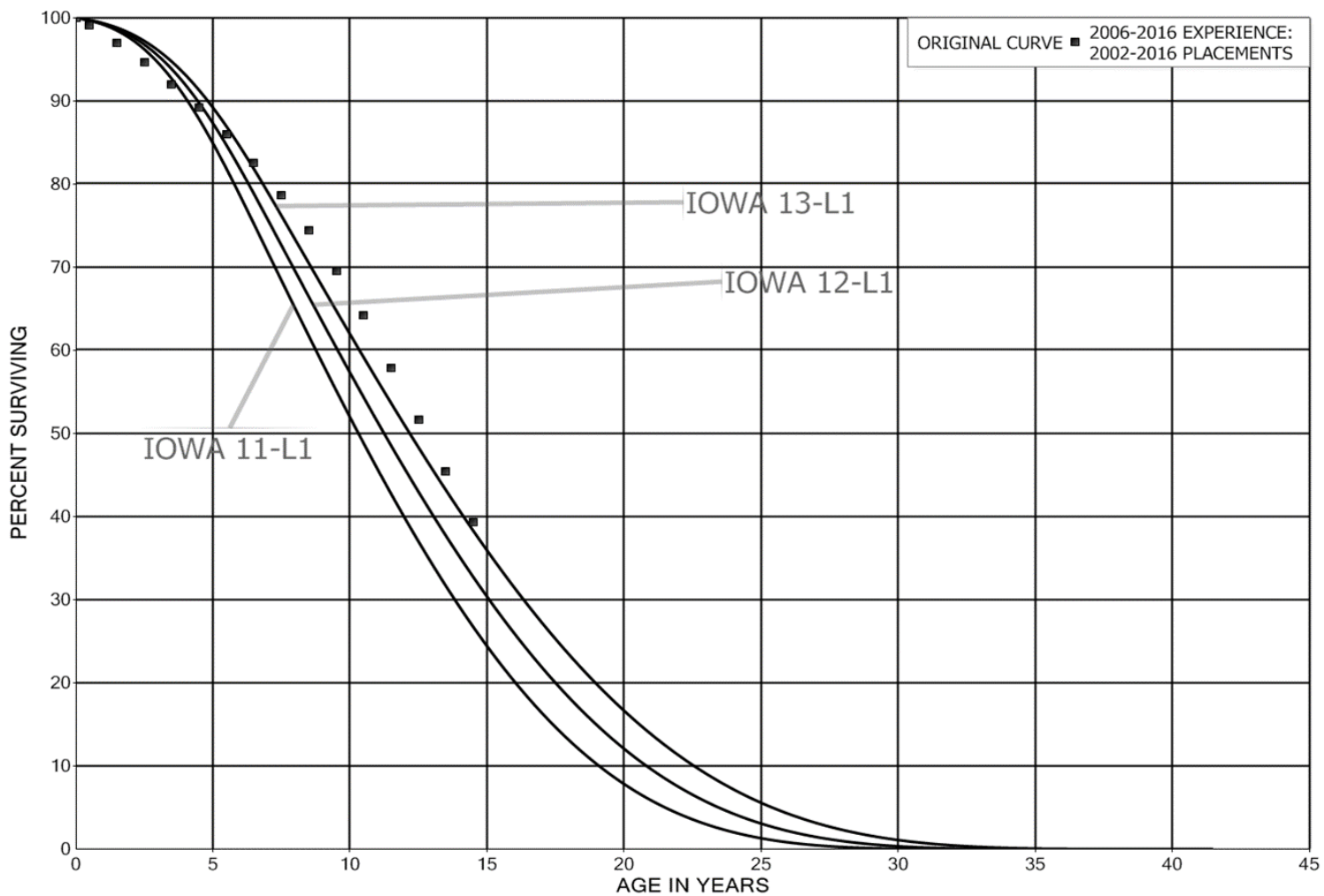




Figure 7: Illustration of the Matching of an Original Survivor Curve with a SO Iowa Type Curve Original and Smooth Survivor Curves

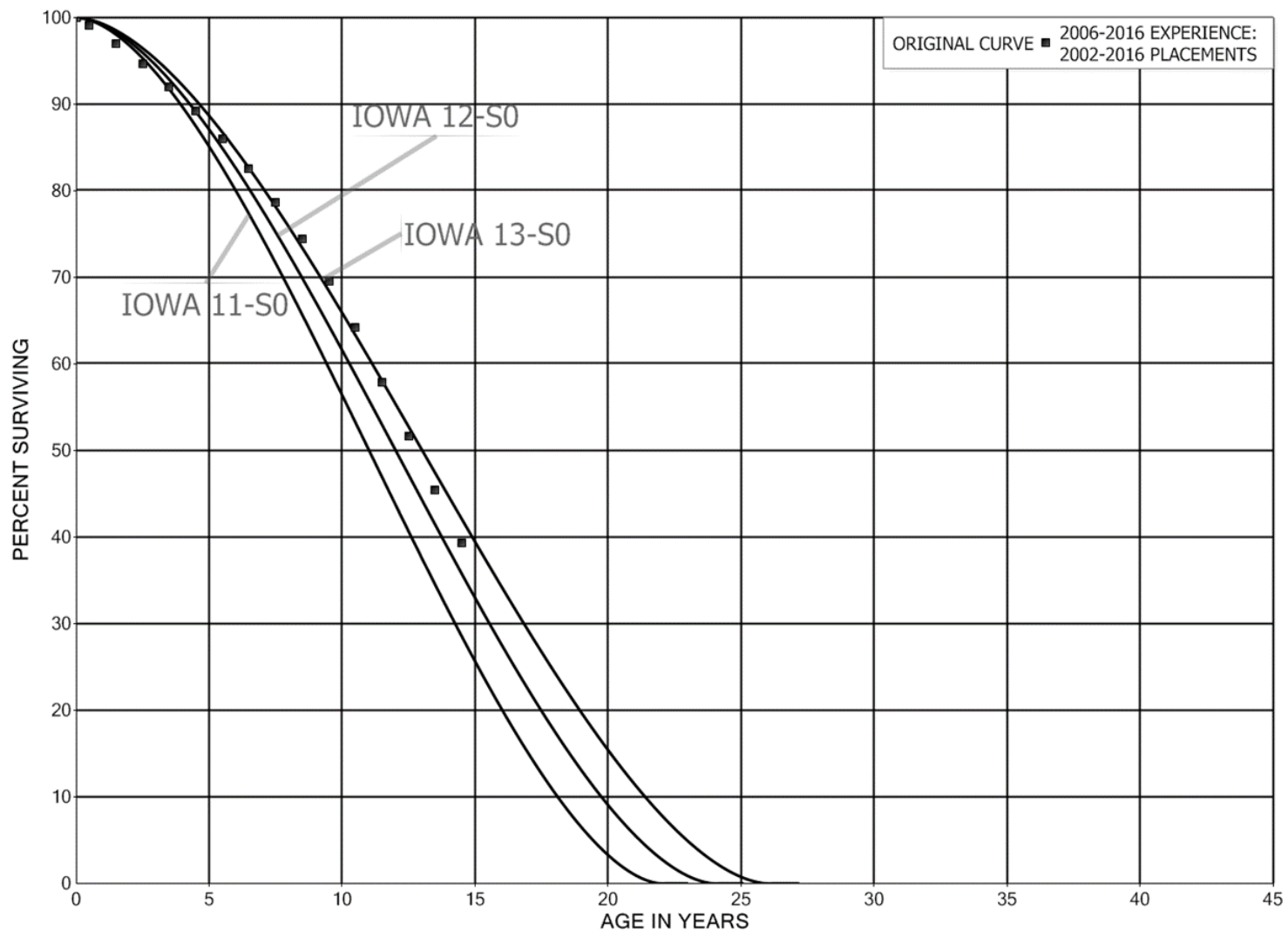




Figure 8: Illustration of the Matching of an Original Survivor Curve with a R1 Iowa Type Curve Original and Smooth Survivor Curves

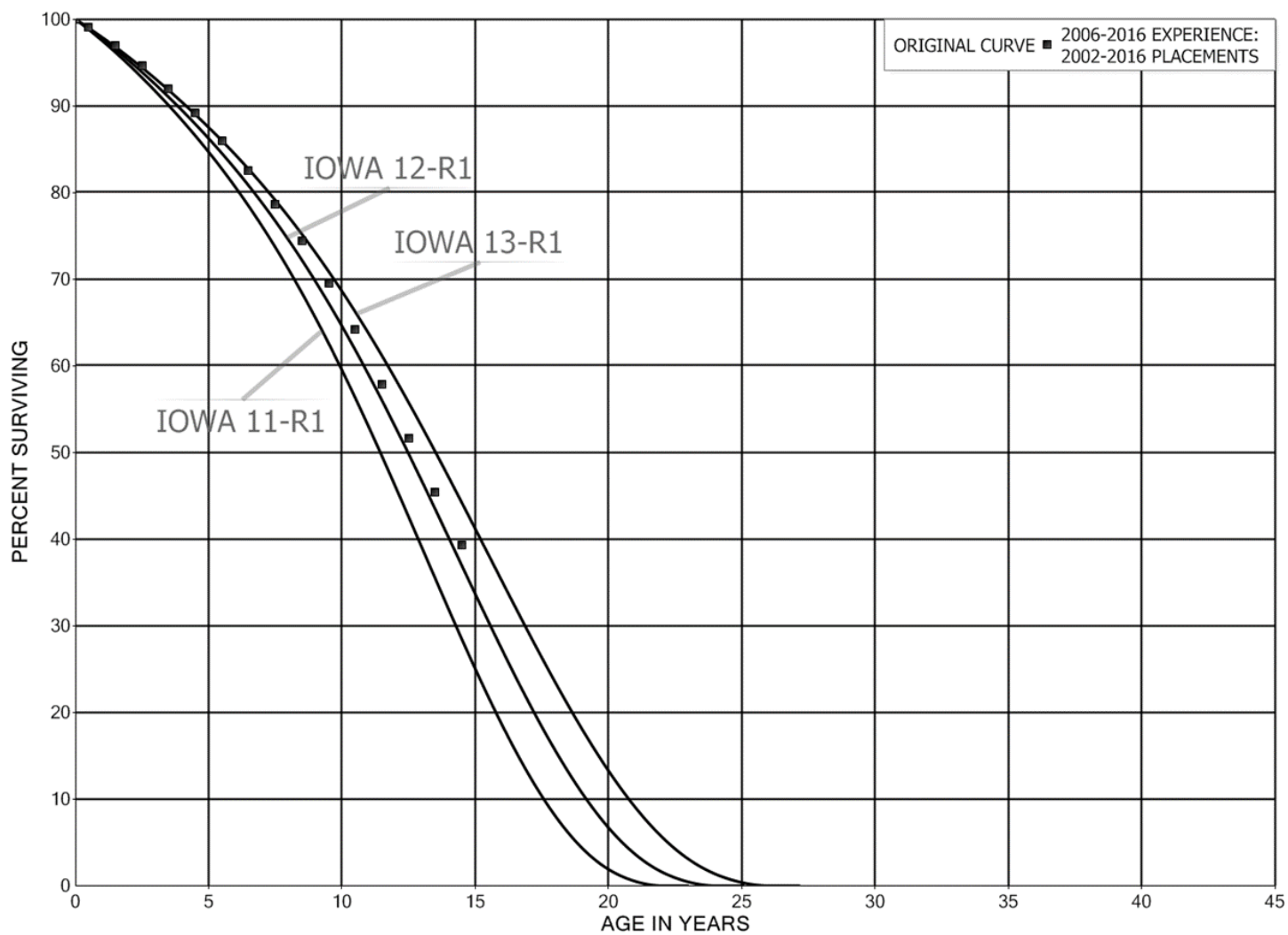
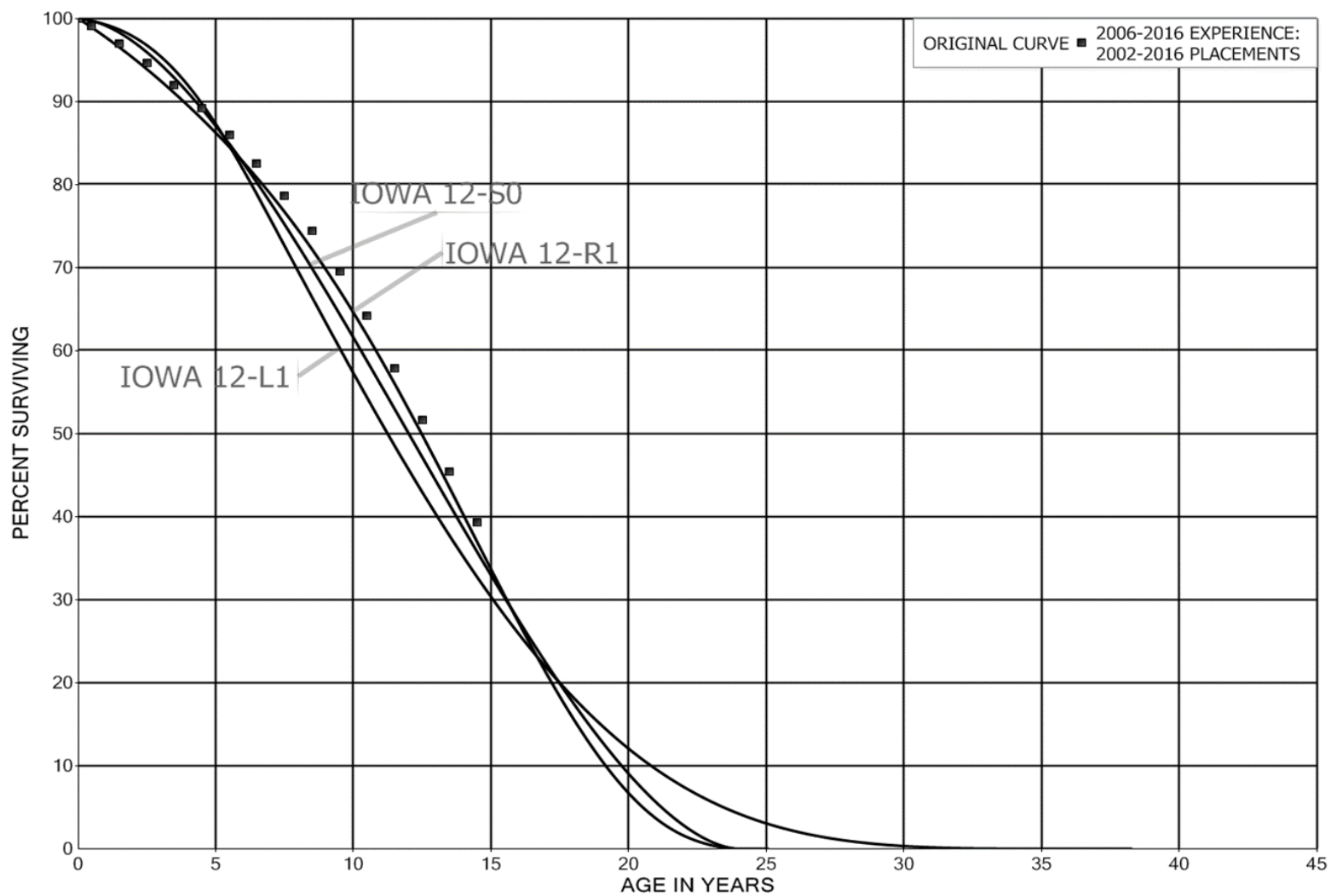






Figure 9: Illustration of the Matching of an Original Survivor Curve with a L1 Iowa Type Curve Original and Smooth Survivor Curves





## SECTION 10

### **10 ESTIMATION OF NET SALVAGE**

The estimates of net salvage were based primarily on the professional judgment of Concentric, based in part on historical data, and in part through a comparison to peer companies. The analysis of historic net salvage activity considered gross salvage and cost of removal as recorded to the depreciation reserve account Net salvages as a percentage of the cost of plant retired are calculated for each plant component on both annual and three-year moving average bases.

The net salvage percentages estimated is usually determined using the “Traditional Approach” for net salvage estimation. When a utility retires plant, the plant may be: (1) sold to a third party; (2) reused by the utility for additional service; (3) abandoned in place; or (4) physically removed. In the circumstances where the plant is sold or re-used, a salvage proceeds (or positive salvage amount) is normally recognized. In circumstances where the plant is abandoned in place or physically removed, a cost of removal expenditure (or negative salvage) is incurred. The net of these estimated gross salvage proceeds and the estimated costs of removal are expressed as a percentage of the account’s original cost to determine a net salvage percentage. In the circumstances where the salvage proceeds exceed the costs of retirement, a net positive salvage percentage exists. In the circumstances where the costs of removal exceed the salvage proceeds, a net negative salvage as a percentage of the original cost is the result.

The estimation of the net salvage as a percentage of original cost as developed using the traditional approach, includes the following five steps.

1. The annual retirement, gross salvage and cost of removal transactions for the period of analysis is extracted from the plant accounting systems.
2. A net salvage amount (gross salvage proceeds less cost of retirement) is calculated for each historic year. Additionally, a net salvage amount is also calculated for each historic three-year rolling band and the most recent five-year rolling band.
3. The net salvage amount determined above is compared to the original booked costs retired for each period in the manner described, which results in a net salvage percentage of original costs retired for each year, in addition to three-year rolling bands and the most recent five-year rolling band. The annual, the three-year rolling average, and the most recent five-year rolling average net salvage percentages are analyzed to determine a reasonable estimated net salvage percentage. At this point the net salvage percentage is based purely upon statistical analysis.
4. Each account is then compared to the net salvage percentage currently approved, compared to peer companies, and discussed with company engineering staff. Based on the statistical analysis, the review of current and peer company net salvage percentages, and with the professional judgment of Concentric, a net salvage percentage is determined for each account.
5. The net salvage percentage is then used in the depreciation rate calculations in the technical update or report.



## **2022 DEPRECIATION STUDY – WASTEWATER ASSETS**

Prepared for Indiana American Water Company

Prepared March, 2023

Headquarters  
293 Boston Post Rd West, Ste 500  
Marlborough, MA, USA 01752  
508.263.6200

Washington, D.C. Office  
1300 19th St NW, Ste 620  
Washington, DC, USA 20036  
202.587.4470

Concentric Advisors, ULC  
200 Rivercrest Drive SE, Ste 277  
Calgary, AB, Canada T2C 2X5  
587.997.6489



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## SECTION 1

### **1 STUDY HIGHLIGHTS**

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Pursuant to Indiana American Water’s (“INAWC” or the “Company”) request, Concentric Advisors, ULC (“Concentric”) conducted a depreciation study related to the Company’s Wastewater Treatment, Collection, and General Plant accounts. The purpose of the study is to determine the annual depreciation accrual rates and amounts applicable to the original cost of wastewater utility plant, as of December 31, 2022.

The depreciation rates are based on the Straight-Line method using the Average Life Group procedure and were applied on a Remaining Life basis. The calculations were based on attained ages, estimated average service life and forecasting net salvage

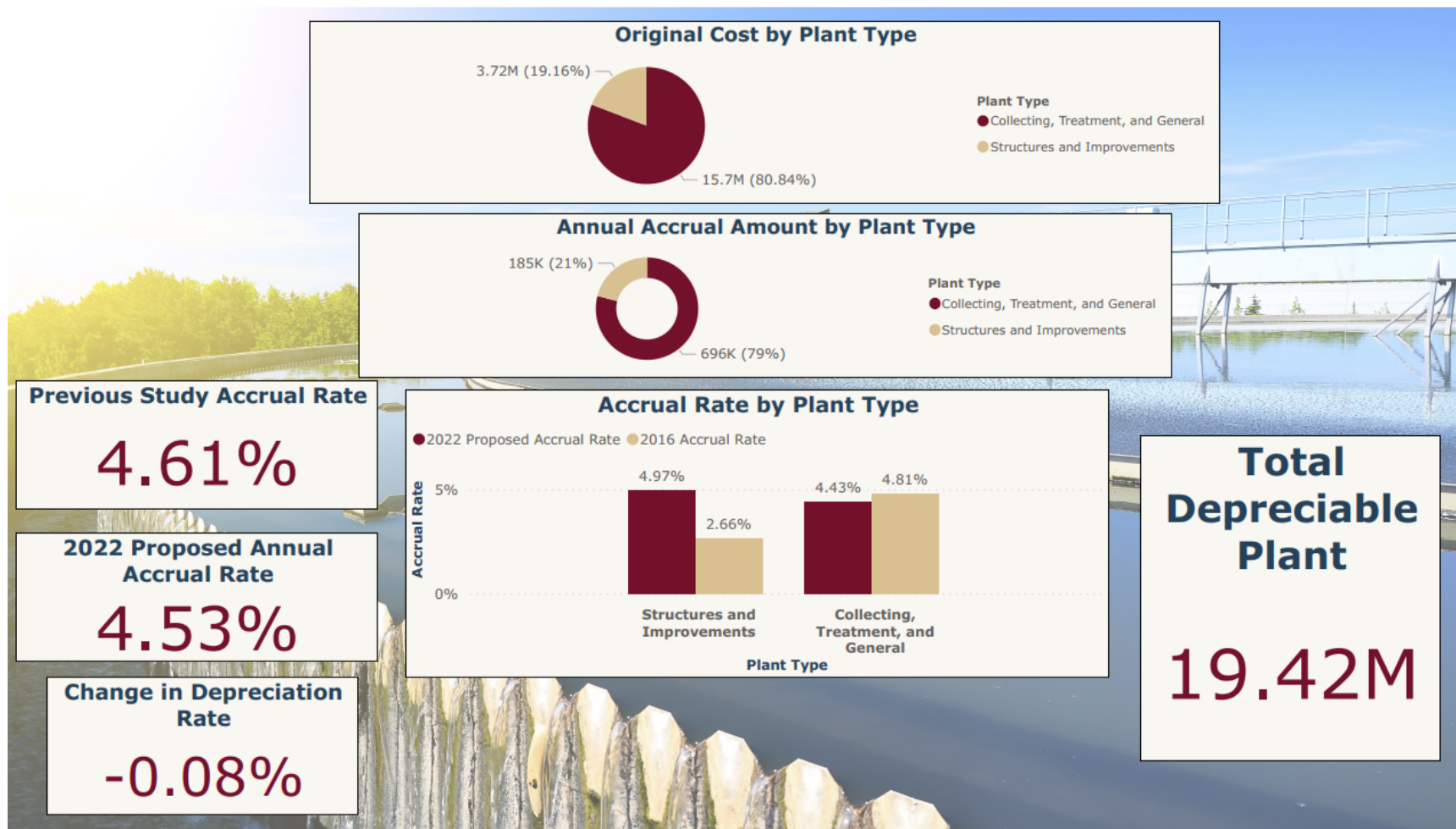
characteristics for each depreciable group of assets.

Concentric recommends the calculated annual depreciation accrual rates set forth herein apply specifically to Wastewater Treatment, Collection, and General Plant assets in service, as of December 31, 2022, summarized in Table 1 on pages 5-2. Supporting data and calculations are also provided within this report.

Concentric’s study results in an annual depreciation expense accrual of \$880 thousand when applied to depreciable plant balances of \$19.4 million, as of December 31, 2022. The report study results are summarized at an aggregate functional group level as follows:



## 1.1 Executive Summary (Power BI)





SECTION 2

**2 BASIS OF THE STUDY**

**2.1 Scope**

This study sets forth the results of the depreciation study for the wastewater plant assets of INAWC, to determine the annual depreciation accrual rates and amounts for book purposes applicable to the original cost of investment as of December 31, 2022. The rates and amounts are based on the Straight-Line Method, incorporating the ALG Procedure applied on a Remaining Life Basis. This study also describes the concepts, methods and judgments which underlie the recommended annual depreciation accrual rates related to the INAWC Wastewater assets in service, as of December 31, 2022.

The service life estimates resulting from the study were based on:

- informed professional judgment which incorporated analyses of historical plant retirement data recorded through December 31, 2022;
- a review of INAWC company practice and outlook, as they relate to plant operation and retirement; and
- consideration of current practice in the Water system industry, including knowledge of service life estimates used for other Water system companies.

The depreciation accrual rates presented herein are based on generally-accepted methods and procedures for calculating depreciation. The estimated survivor curves used in this study are based on studies incorporating actual data through 2022 for most accounts.

**2.2 Plan of Study**

The report is presented in the following order:

SECTION 1	Study Highlights presents a brief summary of the depreciation study and results
SECTION 2	Basis of the Update contains statements with respect to the plan and the basis of the study
SECTION 3	Development of the Required Depreciation Rates presents descriptions of the methods used and factors considered in the service life study
SECTION 4	Calculation of Annual and Accrued Depreciation presents the methods and procedures used in the calculation of depreciation
SECTION 5	Results of Study presents summaries by depreciable group of annual and accrued depreciation in Table 1
SECTION 6	Presents the results of the Retirement Rate Analysis
SECTION 7	Presents the results of the Net Salvage Study
SECTION 8	Presents the results of the Detailed Depreciation Calculations
SECTION 9	Estimation of Survivor Curves is an overview of Iowa curves and the Retirement Rate Analysis
Section 10	Estimation of Net Salvage



## 2.3 Depreciation

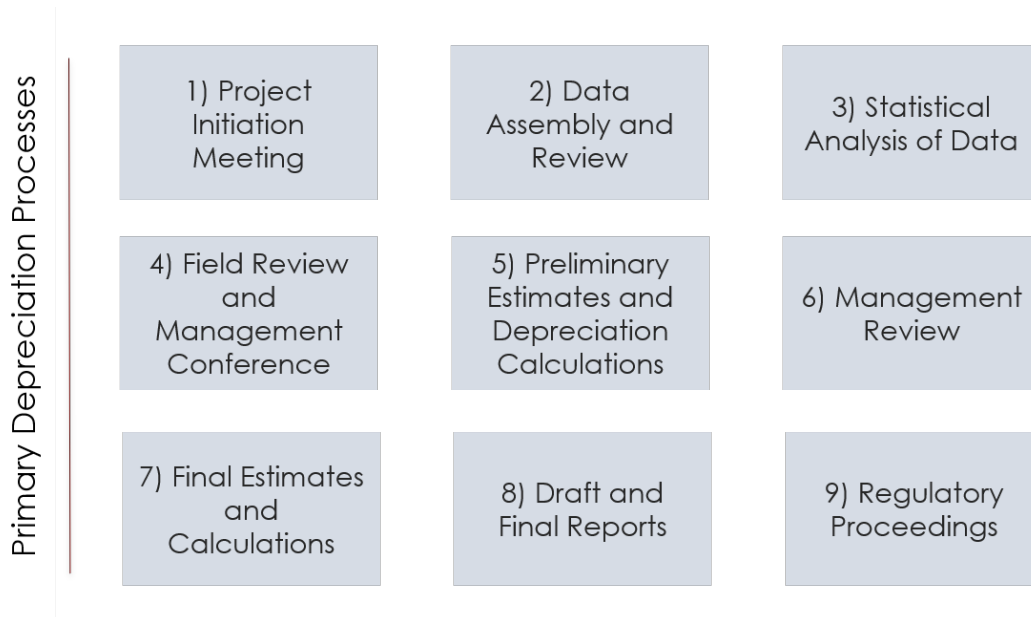
A full and comprehensive depreciation study includes the following components:

1. supported recommendations regarding Average Service Life estimates for each account;
2. supported recommendations regarding estimated Net Salvage requirements for each account;
3. selection of an appropriate grouping procedure;
4. detailed calculation of the depreciation rate utilizing the estimated Average Service Life and Net Salvage requirements; and
5. a document explaining the procedures followed and justifying the results in a format suitable for submission to senior management and regulatory authorities.

A diagram of the nine primary processes followed by Concentric in the development of the depreciation study is provided below. Each of the steps is undertaken by Concentric using proprietary software.

For most accounts, the annual and accrued depreciation were calculated by the Straight-Line Method using the ALG Procedure. For certain general plant accounts, the annual and accrued depreciation are based on amortization accounting. Both types of calculations were based on original cost, attained ages and an estimate of service lives.

Consistent with the current INAWC practice, amortization accounting continues to be recommended for certain general plant accounts because of the disproportionate plant accounting effort required in these accounts. Many regulated utilities in North America have received approval to adopt amortization accounting for these accounts.







## 2.4 Information Provided by INAWC

INAWC has provided Concentric with the required information, as of December 31, 2022 for all accounts being studied. This information has been compiled from the plant accounting records and includes the following:

- current balances by vintage year for each account (aged balances). The balances provide the amount of investment sorted by installation year currently in operation. This file is only inclusive of current plant in service and does not include any retirement information;
- detailed retirement transactions for all accounts. The transactions include information regarding the transaction year of the retirement, the installation year of the asset being retired, and the original cost of the asset being retired; and
- detailed cost of removal and gross salvage transactions for all accounts requiring the recovery of net salvage. The transactions include information regarding the transaction year of the retirement, the costs associated with the retirement, and any gross salvage proceeds from the sale or reuse of the property; and
- Accumulated Depreciation balances as of December 31, 2022 for accounts studied.

## 2.5 Data Reconciliation

The above data was reviewed and reconciled to Company control schedules to ensure accuracy and reasonableness in use of the calculations developed in this study. These checks include:

- that the surviving investment by account equals (or can be reconciled to) the Company's gross plant in service and accumulated depreciation ledger balances;
- that the surviving investment in each vintage is not negative. In other words, this check confirms that the sum of retirements from any given vintage have not exceeded the amount of plant additions to the vintage; and
- that any adjusting transactions are properly accounted for within the databases.



## SECTION 3

### 3 DEVELOPMENT OF THE REQUIRED DEPRECIATION RATES

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#### 3.1 Depreciation

The development of the depreciation calculations requires the input of an Average Service Life, a retirement dispersion curve (“Survivor Curve” or “Iowa curve”), Net Salvage estimates, and Life Span dates for a number of accounts. (the “depreciation parameters”). Additionally, to complete the depreciation calculations, the calculation methods must be established. Specifically, the selection of the depreciation method must establish three types of additional input:

1. the choice of a depreciation method;
2. a basis upon which to apply the method, and
3. in the case of group assets, a procedure to use in grouping the assets.

In this study, the depreciation rates for INAWC have been calculated in accordance with the Straight-Line method, the ALG procedure and applied using the Remaining Life technique, with any accumulated depreciation variances trued-up over the composite remaining life of each account.

Depreciation, as applied to depreciable plant, means the loss in service value not restored by current maintenance, incurred in connection with the consumption or prospective retirement of water 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 the causes to be given consideration are wear and tear, decay, action of the elements, inadequacy, obsolescence, changes in the art and changes in demand and requirements of public authorities.<sup>1</sup>

When considering the action of the elements, the average service life and net salvage calculations have considered large catastrophic events that have occurred and impacted the life estimates of utilities across North America. The average service life of utilities has been influenced by events including:

- forest fires;
- earthquakes;
- tornadoes;
- ice storms;
- wind-storms;
- large scale flooding;
- fires;
- lightning;
- intentional actions of third parties;
- hoar frost; and
- other natural forces of nature.

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<sup>1</sup> The National Association of Railroad and Utilities Commissioners, Uniform System of Accounts for Gas Utilities.



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

The calculation of annual and accrued depreciation based on the Straight-Line method when applied to utility group accounts requires the estimation of survivor curves and is described in the following sections of this study. The development of the proposed depreciation rates also requires the selection of group depreciation procedures, as discussed below.

### 3.1.1 Study Depreciation Methods and Procedures

When more than a single item of property is under consideration, a group procedure for depreciation is appropriate because normally all of the items within a group do not have identical service lives but have lives that are dispersed over a range of time. There are two primary group procedures, namely, the Average Life Group (ALG) and Equal Life Group (ELG) procedures.

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

In the Equal Life Group Procedure, also known as the Unit Summation Procedure, the property group is subdivided according to service life. That is, each equal life group includes that portion of the property which experiences the life of that specific group. The relative size of each equal life group is determined from the property's life dispersion curve. The calculated depreciation for the property group is the summation of the calculated depreciation based on the service life of each equal life unit. For most accounts, the annual and accrued depreciation were calculated by the Straight-Line Method using the ALG Procedure. For certain Collecting, Treatment and General plant accounts, the annual and accrued depreciation are based on amortization accounting. Both types of calculations were based on original cost, attained ages and an estimate of service lives.

While the Equal Life Group Procedure provides an enhanced matching of depreciation expense to the consumption of service value, the Straight-Line Method, Average Life Group Procedure is a commonly used depreciation calculation that has been widely accepted in jurisdictions throughout North America including INAWC in prior studies. Concentric recommends its continued use.

Amortization accounting is used for certain transmission and compression plant accounts because of the disproportionate plant accounting effort required in these accounts. Many regulated utilities in North America have received approval to adopt amortization accounting for these accounts. This study calculates the annual and accrued depreciation using the Straight-Line Method and ALG



Procedure for most accounts. For certain general plant accounts, the annual and accrued depreciation are based on amortization accounting. Both types of calculations were based on original cost, attained ages and estimates of service lives.

Continued monitoring and maintenance of the accumulated depreciation reserve at the account level is recommended. Concentric has determined an amortization amount to correct the present variance with the calculated accrued depreciation (theoretical reserve) over the composite remaining life of each account.

### 3.1.2 Changes Since Last INAWC Full Depreciation Study

The depreciation rates calculated in this study were calculated on the same manner as used in the prior full depreciation study – i.e. using the straight-line method, the ALG Procedure applied on a remaining life basis. The vintaged remaining life approach weighs the calculations of remaining life on an allocation of the actual book accumulated depreciation account by the Calculated Accumulated Depreciation (CAD) factor determined for each vintage of plant in service. This method is described as a CAD weighted calculation in the textbook Depreciation Systems by Frank K. Wolf and W. Chester Fitch, published by the Iowa State University in 1994 under the title “Adjustments” within the Broad Group Model.

When depreciation rates are calculated utilizing a remaining life technique, the depreciation rate is established by dividing the undepreciated value of each group of assets (after consideration to the net salvage requirements) by the composite remaining life of the group of assets. This calculation is made for each vintage surviving investment as of the date of the study (December 31, 2022), and then composited into a calculation for the account or group as a whole. This calculation requires two estimates:

1. The actual booked accumulated depreciation for each vintage within each account.

INAWC does not track the booked accumulated depreciation reserve by vintage within each account. Rather the depreciation expense is calculated at an account level and booked to accumulated depreciation at the same account level. Concentric notes that this is the practice employed by virtually all regulated utilities. As such, the accumulated depreciation by account is allocated within the account to each vintage, on the basis of the calculated accumulated depreciation by vintage. The calculated accumulated depreciation is a function of the estimated survivor curve, the average service life estimate, the net salvage estimates and the achieved age of each vintage.

2. The estimated remaining life of each vintage with each account. The estimated remaining life of each vintage is a direct function of the achieved age of each vintage, the estimated survivor curve and the average service life estimate.

Once the above two estimates are determined (the allocated booked reserve by vintage and the average remaining life of each vintage), an annual accrual requirement for each vintage is determined by dividing the net book value for each vintage (considering the estimated future salvage requirements) by the average remaining life of the vintage. The annual requirement for each vintage



is summed at the account level and divided into the sum of the accounts original cost surviving as of December 31, 2022.

This process results in each vintage's calculated net book value to be depreciated over an appropriate remaining life. This vintage weighting on CAD approach to the remaining life calculations is widely considered to be the most accurate. Concentric agrees and views this methodology as the correct and most appropriate calculation.

### 3.1.3 Survivor Curves

The use of an average service life or 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 plotting the number of units which survive at successive ages using the retirement rate method of analysis.

The range of survivor characteristics usually experienced by utility and industrial properties is encompassed by a system of generalized survivor curves known as the Iowa type curves. The Iowa curves “...were sorted into three groups according to whether the mode was to the left, approximately coincident with, or to the right of the average-life ordinate. The curves in each of these three groups were then sub-classified in accordance with the height of the mode, taking also into consideration the distance of the mode to the left or right of the average life.”<sup>2</sup> The Iowa curves are described as L-type (i.e. left-moded), R-type (i.e. right-moded), and S-type (i.e. symmetrical). Further development resulted in the introduction of O-type (i.e. origin-moded curves) where the greatest frequency of retirement occurs at the origin, or immediately after age zero. Individual type curves are further depicted with numerical subscripts which represent the relative heights of the modes of the frequency curves within each family.

The program that is used by Concentric for statistical smooth curve fitting utilizes an internal “goodness-of-fit” criterion known as the Residual Measure. This Residual Measure is based on a least squares solution of the differences between the stub curve (or original data points) and smooth survivor curve which also requires a balancing of the differences above and below the stub curve.

The criterion of goodness-of-fit is the mean square of the differences between the points on the stub and fitted smooth survivor curves. The residual measure, or standard error of estimate, shown in the output format is the square root of this mean square. As such, the lower the Residual Measure the better the statistical fit between the analyzed Iowa curve and the observed data points. Concentric follows the widely used practice of fitting Iowa curves up to one percent of the maximum exposures. This standard practice is utilized to minimize the influence of typically small retirements applied to similarly small exposures which may unduly affect the Iowa curve fitting process. However, Concentric will recognize the observed data points beyond the one percent of maximum exposures if it is determined that the additional data is a valid consideration for life recommendation.

A discussion of the general concept of survivor curves and retirement rate method is presented in Section 9.

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<sup>2</sup> Robley Winfrey, Statistical Analyses of Industrial Property Retirements, Bulletin 125 revised (Engineering Research Institute, Iowa State University, 1935) 65



### 3.1.4 Survivor Curve and Net Salvage Judgments

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

The procedure for estimating service lives consisted of compiling historical data for the plant accounts or depreciable groups, analyzing this history through the use of widely accepted techniques, and forecasting the survivor characteristics for each depreciable group on the basis of interpretations of the historical data and the probable future. The forecasting of a probable future included management and operational staff interviews. The combination of the historical experience and the probable future yielded estimated survivor curves from which the average service lives were derived.

The resultant depreciation rates are summarized in the applicable tables of this study (Section 5). The depreciation rates should be reviewed periodically to reflect the changes that result from plant and reserve account activity. A depreciation reserve deficiency or surplus will develop if future capital expenditures vary significantly from those anticipated in this study.

The estimates of net salvage for the mass property accounts were based mostly in part on historical data related to actual retirement activity for the years 2006 through 2022, for most accounts. Gross salvage and cost of removal as recorded to the depreciation reserve account and related to experienced retirements were used. Concentric notes the data from the previous depreciation consultant was used and considered in the historic net salvage analysis, but more relevancy was placed on the more recent data from 2017 through 2022 provided directly to Concentric by INAWC. Percentages of the cost of plant retired were calculated for each component of net salvage on an annual, three-year, five-year, and on a cumulative moving average basis.

The following discussion, dealing with a number of accounts which comprise the majority of the investment analyzed, presents an overview of the factors considered by Concentric in the determination of the average service life and net salvage estimates. The survivor curve estimates for the remainder of the accounts not discussed in the following sections were based on similar considerations.



ACCOUNT 354.2 – STRUCTURES AND IMPROVEMENTS - COLLECTION

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$933,686	4.81%	50-S1.5	50-R2	-25%	-30%

The investment in Structures and Improvements - Collection is approximately \$933 thousand representing 4.8 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 50-S1.5. The retirements, additions and other plant transactions, for the period 1989 through 2022, were analyzed by the retirement rate method. Retirements of \$30,133 were recorded for the period 2020 through 2022. The currently approved Iowa 50-S1.5 has a related Residual Measure of 0.1991. The proposed Iowa 50-R2 has a residual measure of 0.2051 as depicted on page 6-2 of this report. Discussions with INAWC operational staff indicated that the 50-R2 is more indicative of the investment in this account moving forward. Based on the above discussion and considerations, and on Concentric’s experience, the Iowa 50-R2 is a reasonable expectation for the investment in this account. As such, Concentric recommends the Iowa 50-R2 to represent the future expectations for the investment in this account.

As in previous depreciation studies, the net salvage calculations for Account 354.2 were combined with the analysis for account 354.4. The first year of recorded net salvage activity for these accounts is 2009. The currently approved net salvage percentage is negative 25 percent. For the period 2009 to 2022, the historical net salvage ranged from zero percent to negative 85 percent. A three-year band analysis from 2011 forward produced a range from zero percent to over negative 500 percent. A five-year band analysis ranges from negative 37 percent to over negative 400 percent. Based on the experience of Concentric and historical indications, Concentric views that a slight change to negative 30 percent closer represents the future net salvage expectation for the investment in these accounts.

ACCOUNT 354.4 – STRUCTURES AND IMPROVEMENTS - TREATMENT

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$2,627,847	13.53%	45-R3	50-R3	-25%	-30%

The investment in Structures and Improvements - Treatment is approximately \$2.6 million representing 13.5 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 45-R3. The retirements, additions and other plant transactions, for the period 1970 through 2022, were analyzed by the retirement rate method. Retirements of \$153,088 were recorded for the period 2009 through 2022. The currently approved life parameter is an Iowa 45-R3 with a related Residual Measure of 1.356. Discussions with INAWC operational and SMEs indicated that the Iowa 50-R3 with a Residual Measure of 0.8604 depicted on page 6-5 of this report is more indicative of the activity of this account. Based on the above discussion and considerations, and on Concentric’s experience, the Iowa 50-R3 is a reasonable expectation for the investment in this account. As such, Concentric recommends the Iowa 50-R3 to represent the future expectations for the investment in this account.



As in previous depreciation studies, the net salvage calculations for Account 354.2 were combined with the analysis for account 354.4. The first year of recorded net salvage activity for these accounts is 2009. The currently approved net salvage percentage is negative 25 percent. For the period 2009 to 2022, the historical net salvage ranged from zero percent to negative 85 percent. A three-year band analysis from 2011 forward produced a range from zero percent to over negative 500 percent. A five-year band analysis ranges from negative 37 percent to over negative 400 percent. Based on the experience of Concentric and historical indications, Concentric views that a slight change to negative 30 percent closer represents the future net salvage expectation for the investment in these accounts.

ACCOUNT 361.1 – MAINS

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$5,628,721	28.98%	55-R2.5	60-R4	-75%	-75%

The investment in Mains is approximately \$5.6 million representing 29 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 55-R2.5. The retirements, additions and other plant transactions, for the period 1945 through 2022, were analyzed by the retirement rate method. Retirements of \$151,247 were recorded for the period 1998 through 2022. The currently approved Iowa 50-R2.5 has a related Residual Measure of 0.8551. The proposed Iowa 60-R4 has a residual measure of 0.2867 as depicted on page 6-15 of this report. Discussions with INAWC operational staff indicated the Iowa 60-R4 is a good fit for the investment in this account. Therefore, based on the above discussion and on Concentric’s experience, Concentric recommends the Iowa 60-R4 to best represent the investment in this account.

The first year of recorded net salvage activity for this account is 2006. The currently approved net salvage is negative 75 percent. For the period 2006 to 2022, this account has shown a wide range in historical net salvage activity. The range has been from over negative 200 percent to over negative 450 percent. A three-year band analysis from 2008 forward produced a range from zero percent to over negative 1000 percent. A five-year band analysis ranges from negative 25 percent to over negative 1000 percent. Based on historical indications and conversations with company personnel, Concentric views that negative 75 percent still best represents the net salvage expectation for the investment in this account.

ACCOUNT 363 – SERVICES

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$891,231	4.59%	50-S1.5	55-R3	-25%	-25%

The investment in Services is approximately \$891 thousand representing 4.6 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 50-S1.5. The retirements, additions and other plant transactions, for the period 1950 through 2022, were analyzed by the retirement rate method. Retirements of \$6,339 were recorded for the period 2010





through 2022. The currently approved Iowa 50-S1.5 has a related Residual Measure of 3.6244. The proposed Iowa 55-R3 has a related residual measure of 3.0525 as depicted on page 6-18. Discussions with INAWC operational staff indicate the Iowa 55-R3 is a better fit for this account moving forward. Based on the above comments and Concentric’s experience, the Iowa 55-R3 is recommended for this account moving forward.

The first year of recorded net salvage activity for this account is 2010. The currently approved net salvage is negative 25 percent. For the period 2010 through 2022, the net salvage stayed in the range of just over negative 1000 percent. A three-year band analysis from 2012 forward produced a range from zero percent to over negative 1000 percent. A five-year band analysis ranges from zero percent to over negative 1000 percent. Based on historical indications and conversations with company personnel, Concentric views that the currently approved negative 25 percent best represents the net salvage expectation for the equipment in this account.

ACCOUNT 380.5 – TREATMENT AND DISPOSAL EQUIPMENT – TREATMENT PIT

Investment \$	Investment %	Previously Approved Curves	Concentric Recommended Curves	Previously Approved Salvage	Concentric Recommended Salvage
\$8,118,811	41.80%	30-L2.5	30-L2	-20%	-20%

The investment in Treatment and Disposal Equipment – Treatment Pit is approximately \$8 million representing 41.8 percent of the total depreciable plant studied. The current approved life parameter for this account is an Iowa 30-L2.5. This account was combined with all Treatment and Disposal accounts for the purposes of the actuarial analysis. The retirements, additions and other plant transactions, for the period 1964 through 2022, were analyzed by the retirement rate method. Retirements of \$67,340 were recorded for the period 1996 through 2022. The currently approved Iowa 30-L2.5 has a related Residual Measure 2.163. The proposed Iowa 30-L2 presents a better visual fit with a Residual Measure of 2.0454 as depicted on page 6-31. Discussions with INAWC operational staff indicate the Iowa 30-L2 is more indicative of the investment in this account. Based on the above comments and Concentric’s experience, the Iowa 30-L2 is recommended to represent this account moving forward.

As in previous depreciation studies, the net salvage calculations for account 380.5 were combined with the analysis for all the Treatment and Disposal Equipment accounts (380.45, 380.6, and 380.625). The first year of recorded net salvage activity for this account is 2006. The currently approved net salvage is negative 20 percent. For the period 2006 to 2022, this account has shown a wide range in historical net salvage activity. The range has been from negative 96 percent to over negative 1000 percent. A three-year band analysis from 2008 forward produced a range from positive six percent to over negative 1000 percent. A five-year band analysis ranges from negative eight percent to over negative 200 percent. Based on historical indications and conversations with company personnel, Concentric views that negative 20 percent still best represents the net salvage expectation for the investment in this account.



#### OTHER ACCOUNTS

The above analysis provides the consideration relating to over 99 percent of the depreciable plant. The accounts related to the remaining one percent of the depreciable plant studied as of December 31, 2022, are subjected to amortization accounting. This is proposed for a number of accounts that represent numerous units of property, but very small portions of depreciable water plant in service.



SECTION 4

## 4 CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION

### 4.1 Calculation of Annual and Accrued Amortization

Amortization is the gradual extinguishment of an amount in an account by distributing such amount over a fixed period, over the life of the asset or liability to which it applies, or over the period during which it is anticipated the benefit will be realized. Normally, the distribution of the amount is in equal amounts to each year of the amortization period.

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

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

Account	Title	Amortization Period-Years
394.00	Laboratory Equipment	15
396.00	Communication Equipment	15
397.00	Miscellaneous Equipment	20

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

### 4.2 Monitoring of Book Accumulated Depreciation

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



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

$$\text{Composite Remaining Life} = \frac{\sum \left( \frac{\text{Book Cost}}{\text{Life}} \times \text{Remaining Life} \right)}{\sum \frac{\text{Book Cost}}{\text{Life}}} \quad (1)$$

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

$$\text{Composite Remaining Life} = \frac{\sum \text{Whole Life Future Accruals}}{\sum \text{Whole Life Annual Accrual}} \quad (2)$$

or

$$\text{Composite Remaining Life} = \frac{\sum \text{Book Cost} - \text{Calc. Reserve}}{\sum \text{Whole Life Annual Accrual}} \quad (3)$$



SECTION 5

## **5 RESULTS OF THE STUDY**

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### **5.1 Qualification of Results**

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

### **5.2 Description of Detailed Tabulations**

The following tables provides summaries by account of the original cost of investment, calculated and booked accumulated depreciation amounts, the required amount of annual depreciation expense, the required depreciation rate to be applied against the original cost of the account and the estimated composite remaining life of the surviving plant in service.

The detailed calculations of annual depreciation applicable to depreciable assets, as of December 31, 2022, are presented in account sequence starting in Section 5 – Page 5-2. The tables indicate the estimated average survivor curves used in the calculations. The tables set forth (for each installation year) the original cost, calculated accrued depreciation and the calculated annual accrual.

**American Water Company - Indiana Wastewater**

**TABLE 1 - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022  
DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT  
TOTAL**

Account (1)	Account Description (2)	Estimated Survivor Curve (3)	Investment Percentage (4)	Net Salvage Percent (5)	Surviving Original Cost as of Dec. 31, 2022 (6)	Book Depreciation Reserve (7)	Future Accruals (8)	Annual Accrual Amount (9)	Annual Accrual Rate (10)	Composite Remaining Life (11)
<b>Structures and Improvements</b>										
354.2	Collection	50-R2	4.81%	-30%	933,686	-28,941	1,242,733	30,864	3.31%	41.70
354.4	Treatment	50-R3	13.53%	-30%	2,627,847	69,662	3,346,539	149,656	5.70%	34.53
354.5	General	50-R3	0.82%	-30%	158,983	24,149	182,530	4,473	2.81%	41.00
<b>Total Structures and Improvements</b>					<b>3,720,516</b>	<b>64,870</b>	<b>4,771,801</b>	<b>184,993</b>	<b>4.97%</b>	
<b>Collecting, Treatment, and General Plant</b>										
355.4	Power Generation Equipment - Treatment	35-S2.5	0.46%	0%	89,467	-4,282	93,749	17,552	19.62%	15.22
355.5	Power Generation Equipment - RWTP	35-S2.5	0.76%	0%	146,803	27,914	118,889	3,784	2.58%	30.38
361.1	Mains	60-R4	28.98%	-75%	5,628,721	814,246	9,036,016	277,986	4.94%	37.23
363	Services	55-R3	4.59%	-25%	891,321	-21,927	1,136,078	34,470	3.87%	39.70
364	Meters	20-R4	0.33%	0%	63,400	95,659	-32,259	0	0.00%	3.40
371.1	Electric Pumping Equipment	25-S2.5	1.07%	-10%	207,695	-16,776	245,240	12,655	6.09%	20.97
371.2	Other Pumping Equipment	35-R3	0.01%	0%	1,166	704	462	21	1.80%	21.33
371.3	Miscellaneous Pumping Equipment	35-R3	0.09%	0%	17,021	3,168	13,853	464	2.73%	29.59
380.45	Treatment and Disposal Equipment - Other Sewer Remaining	30-L2	0.33%	-20%	64,185	17,240	59,783	7,863	12.25%	8.97
380.5	Treatment and Disposal Equipment - Treatment Pit	30-L2	41.80%	-20%	8,118,811	906,203	8,836,371	310,616	3.83%	28.43
380.6	Treatment and Disposal Equipment - Other Disposal	30-L2	0.16%	-20%	30,834	-3,340	40,341	1,632	5.29%	25.07
380.625	Treatment and Disposal Equipment - General Treatment	30-L2	0.72%	-20%	140,781	-8,619	177,556	6,453	4.58%	27.86
381	Plant Sewers	50-R2.5	0.57%	0%	110,913	-3,408	114,321	2,433	2.19%	47.21
394	Laboratory Equipment	15-SQ	0.19%	0%	36,882	-2,842	39,724	2,959	8.02%	13.60
396	Communication Equipment	15-SQ	0.54%	0%	104,719	12,974	91,745	7,305	6.98%	12.57
397	Miscellaneous Equipment	20-SQ	0.25%	0%	47,731	-4,900	52,632	9,527	19.96%	12.90
<b>Total Collecting, Treatment, and General Plant</b>					<b>15,700,451</b>	<b>1,812,013</b>	<b>20,024,501</b>	<b>695,720</b>	<b>4.43%</b>	
<b>Total Depreciable Plant</b>					<b>19,420,968</b>	<b>1,876,883</b>	<b>24,796,302</b>	<b>880,713</b>	<b>4.53%</b>	
<b>Non Depreciable Plant</b>										
353.2	Land and Land Rights - Source of Supply				631					
353.4	Land and Land Rights - Treatment				389,393					
<b>Total Non Depreciable Plant</b>					<b>390,024</b>					
<b>TOTAL PLANT</b>					<b>19,810,992</b>	<b>1,876,883</b>	<b>24,796,302</b>	<b>880,713</b>		

**American Water Company - Indiana Wastewater**

**TABLE 1A - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022 DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT LIFE**

Account (1)	Account Description (2)	Estimated Survivor Curve (3)	Net Salvage Percent (4)	Surviving Original Cost as of Dec. 31, 2022 (5)	Book Depreciation Reserve (6)	Future Accruals (7)	Annual Accrual Amount (8)	Annual Accrual Rate (9)	Composite Remaining Life (10)
<b>Structures and Improvements</b>									
354.2	Collection	50-R2	0%	933,686	31,633	902,053	22,201	2.38%	41.70
354.4	Treatment	50-R3	0%	2,627,847	39,449	2,588,398	116,285	4.43%	34.53
354.5	General	50-R3	0%	158,983	46,164	112,820	2,721	1.71%	41.00
<b>Total Structures and Improvements</b>				<b>3,720,516</b>	<b>117,246</b>	<b>3,603,270</b>	<b>141,207</b>	<b>3.80%</b>	
<b>Collecting, Treatment, and General Plant</b>									
355.4	Power Generation Equipment - Treatment	35-S2.5	0%	89,467	-4,282	93,749	17,552	19.62%	15.22
355.5	Power Generation Equipment - RWTP	35-S2.5	0%	146,803	27,914	118,889	3,784	2.58%	30.38
361.1	Mains	60-R4	0%	5,628,721	743,248	4,885,473	148,030	2.63%	37.23
363	Services	55-R3	0%	891,321	55,854	835,467	24,433	2.74%	39.70
364	Meters	20-R4	0%	63,400	95,659	-32,259	0	0.00%	3.40
371.1	Electric Pumping Equipment	25-S2.5	0%	207,695	8,303	199,393	9,959	4.80%	20.97
371.2	Other Pumping Equipment	35-R3	0%	1,166	704	462	21	1.80%	21.33
371.3	Miscellaneous Pumping Equipment	35-R3	0%	17,021	3,168	13,853	464	2.73%	29.59
380.45	Treatment and Disposal Equipment - Other Sewer Remaining	30-L2	0%	64,185	55,113	9,072	748	1.17%	8.97
380.5	Treatment and Disposal Equipment - Treatment Pit	30-L2	0%	8,118,811	756,227	7,362,584	258,809	3.19%	28.43
380.6	Treatment and Disposal Equipment - Other Disposal	30-L2	0%	30,834	6,738	24,096	957	3.10%	25.07
380.625	Treatment and Disposal Equipment - General Treatment	30-L2	0%	140,781	13,656	127,125	4,549	3.23%	27.86
381	Plant Sewers	50-R2.5	0%	110,913	-3,408	114,321	2,433	2.19%	47.21
394	Laboratory Equipment	15-SQ	0%	36,882	-2,842	39,724	2,959	8.02%	13.60
396	Communication Equipment	15-SQ	0%	104,719	12,974	91,745	7,305	6.98%	12.57
397	Miscellaneous Equipment	20-SQ	0%	47,731	-4,900	52,632	9,527	19.96%	12.90
<b>Total Collecting, Treatment, and General Plant</b>				<b>15,700,451</b>	<b>1,764,126</b>	<b>13,936,326</b>	<b>491,530</b>	<b>3.13%</b>	
<b>Total Depreciable Plant</b>				<b>19,420,968</b>	<b>1,881,371</b>	<b>17,539,596</b>	<b>632,737</b>	<b>3.26%</b>	
<b>Non Depreciable Plant</b>									
353.2	Land and Land Rights - Source of Supply			631					
353.4	Land and Land Rights - Treatment			389,393					
<b>Total Non Depreciable Plant</b>				<b>390,024</b>					
<b>TOTAL PLANT</b>				<b>19,810,992</b>	<b>1,881,371</b>	<b>17,539,596</b>	<b>632,737</b>		

**American Water Company - Indiana Wastewater**

**TABLE 1B - ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AS OF DEC 31, 2022  
DEPRECIATION RELATED TO RECOVERY OF ORIGINAL COST OF INVESTMENT  
COR**

Account (1)	Account Description (2)	Estimated Survivor Curve (3)	Net Salvage Percent (4)	Surviving Original Cost as of Dec. 31, 2022 (5)	Book Depreciation Reserve (6)	Future Accruals (7)	Annual Accrual Amount (8)	Annual Accrual Rate (9)
<b>Structures and Improvements</b>								
354.2	Collection	50-R2	-30%	933,686	-60,574	340,680	8,663	0.93%
354.4	Treatment	50-R3	-30%	2,627,847	30,213	758,141	33,371	1.27%
354.5	General	50-R3	-30%	158,983	-22,015	69,710	1,752	1.10%
<b>Total Structures and Improvements</b>				<b>3,720,516</b>	<b>-52,376</b>	<b>1,168,531</b>	<b>43,786</b>	<b>1.18%</b>
<b>Collecting, Treatment, and General Plant</b>								
355.4	Power Generation Equipment - Treatment	35-S2.5	0%	89,467	0	0	0	0.00%
355.5	Power Generation Equipment - RWTP	35-S2.5	0%	146,803	0	0	0	0.00%
361.1	Mains	60-R4	-75%	5,628,721	70,998	4,150,543	129,956	2.31%
363	Services	55-R3	-25%	891,321	-77,781	300,611	10,037	1.13%
364	Meters	20-R4	0%	63,400	0	0	0	0.00%
371.1	Electric Pumping Equipment	25-S2.5	-10%	207,695	-25,078	45,848	2,696	1.30%
371.2	Other Pumping Equipment	35-R3	0%	1,166	0	0	0	0.00%
371.3	Miscellaneous Pumping Equipment	35-R3	0%	17,021	0	0	0	0.00%
380.45	Treatment and Disposal Equipment - Other Sewer Remaining	30-L2	-20%	64,185	-37,873	50,710	7,115	11.09%
380.5	Treatment and Disposal Equipment - Treatment Pit	30-L2	-20%	8,118,811	149,975	1,473,787	51,807	0.64%
380.6	Treatment and Disposal Equipment - Other Disposal	30-L2	-20%	30,834	-10,078	16,245	675	2.19%
380.625	Treatment and Disposal Equipment - General Treatment	30-L2	-20%	140,781	-22,275	50,431	1,904	1.35%
381	Plant Sewers	50-R2.5	0%	110,913	0	0	0	0.00%
394	Laboratory Equipment	15-SQ	0%	36,882	0	0	0	0.00%
396	Communication Equipment	15-SQ	0%	104,719	0	0	0	0.00%
397	Miscellaneous Equipment	20-SQ	0%	47,731	0	0	0	0.00%
<b>Total Collecting, Treatment, and General Plant</b>				<b>15,700,451</b>	<b>47,887</b>	<b>6,088,175</b>	<b>204,190</b>	<b>1.30%</b>
<b>Total Depreciable Plant</b>				<b>19,420,968</b>	<b>-4,489</b>	<b>7,256,706</b>	<b>247,976</b>	<b>1.28%</b>
<b>Non Depreciable Plant</b>								
353.2	Land and Land Rights - Source of Supply			631				
353.4	Land and Land Rights - Treatment			389,393				
<b>Total Non Depreciable Plant</b>				<b>390,024</b>				
<b>TOTAL PLANT</b>				<b>19,810,992</b>	<b>-4,489</b>	<b>7,256,706</b>	<b>247,976</b>	





SECTION 6

**6 RETIREMENT RATE ANALYSIS**

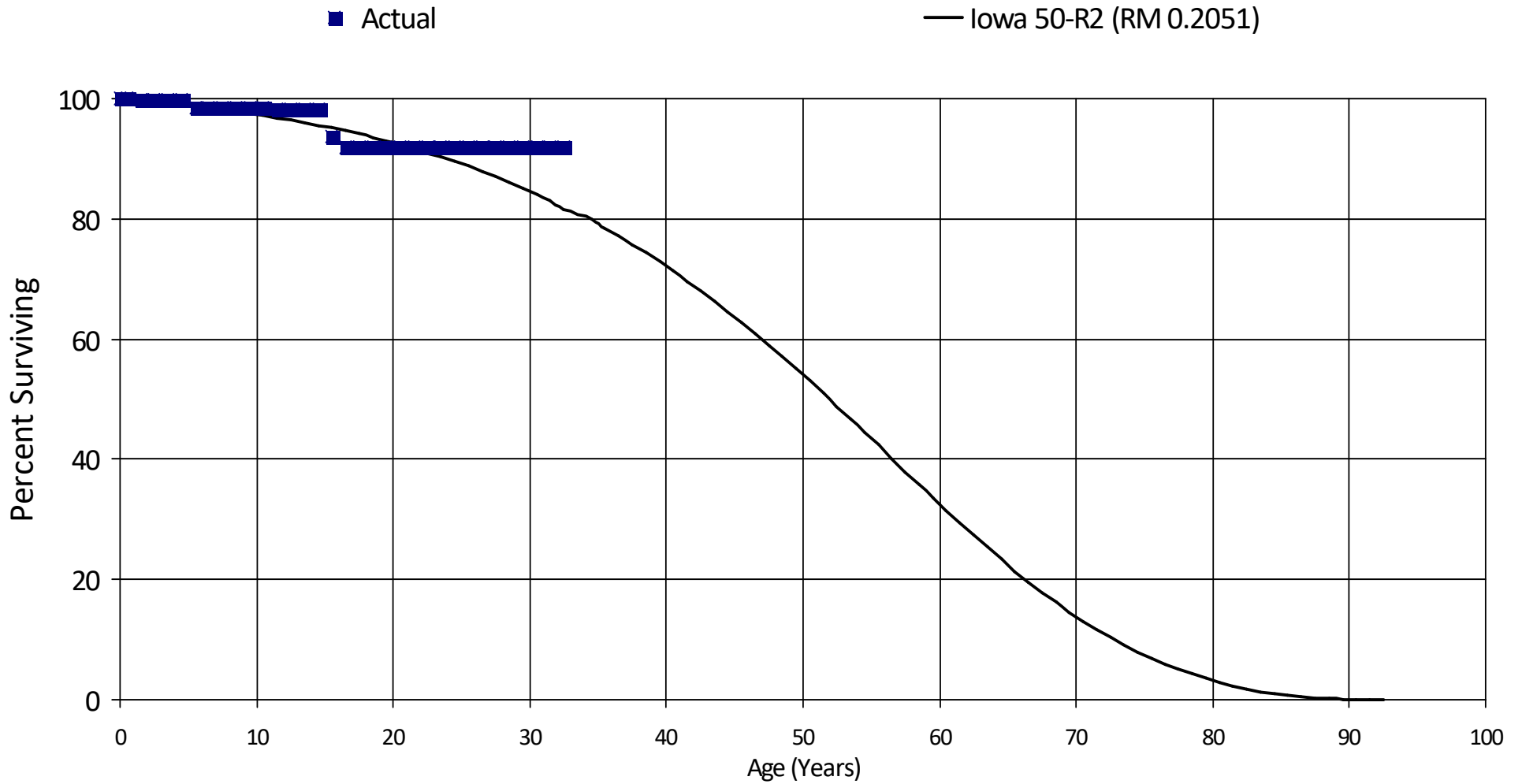
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# American Water Works - Indiana

## Account 354.200 - Collection

Placement Band - 1989 - 2022 Experience Band - 2020 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 354.200 - Collection

Placement Band - 1989 - 2022 Experience Band - 2020 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	963,818	0	0.00000	1.00000	100.00
0.5	907,171	1,180	0.00130	0.99870	100.00
1.5	618,085	0	0.00000	1.00000	99.87
2.5	549,805	0	0.00000	1.00000	99.87
3.5	517,926	0	0.00000	1.00000	99.87
4.5	517,926	7,529	0.01454	0.98546	99.87
5.5	510,397	0	0.00000	1.00000	98.42
6.5	504,623	0	0.00000	1.00000	98.42
7.5	504,623	0	0.00000	1.00000	98.42
8.5	504,623	1	0.00000	1.00000	98.42
9.5	491,688	0	0.00000	1.00000	98.42
10.5	491,687	634	0.00129	0.99871	98.42
11.5	491,053	0	0.00000	1.00000	98.29
12.5	488,573	0	0.00000	1.00000	98.29
13.5	359,425	628	0.00175	0.99825	98.29
14.5	358,797	16,237	0.04525	0.95475	98.12
15.5	201,673	3,924	0.01946	0.98054	93.68
16.5	107,001	0	0.00000	1.00000	91.86
17.5	107,001	0	0.00000	1.00000	91.86
18.5	107,001	0	0.00000	1.00000	91.86
19.5	107,001	0	0.00000	1.00000	91.86
20.5	107,001	0	0.00000	1.00000	91.86
21.5	107,001	0	0.00000	1.00000	91.86
22.5	107,001	0	0.00000	1.00000	91.86
23.5	107,001	0	0.00000	1.00000	91.86
24.5	6,014	0	0.00000	1.00000	91.86
25.5	6,014	0	0.00000	1.00000	91.86
26.5	6,014	0	0.00000	1.00000	91.86

# American Water Works - Indiana

## Account 354.200 - Collection

Placement Band - 1989 - 2022    Experience Band - 2020 - 2022

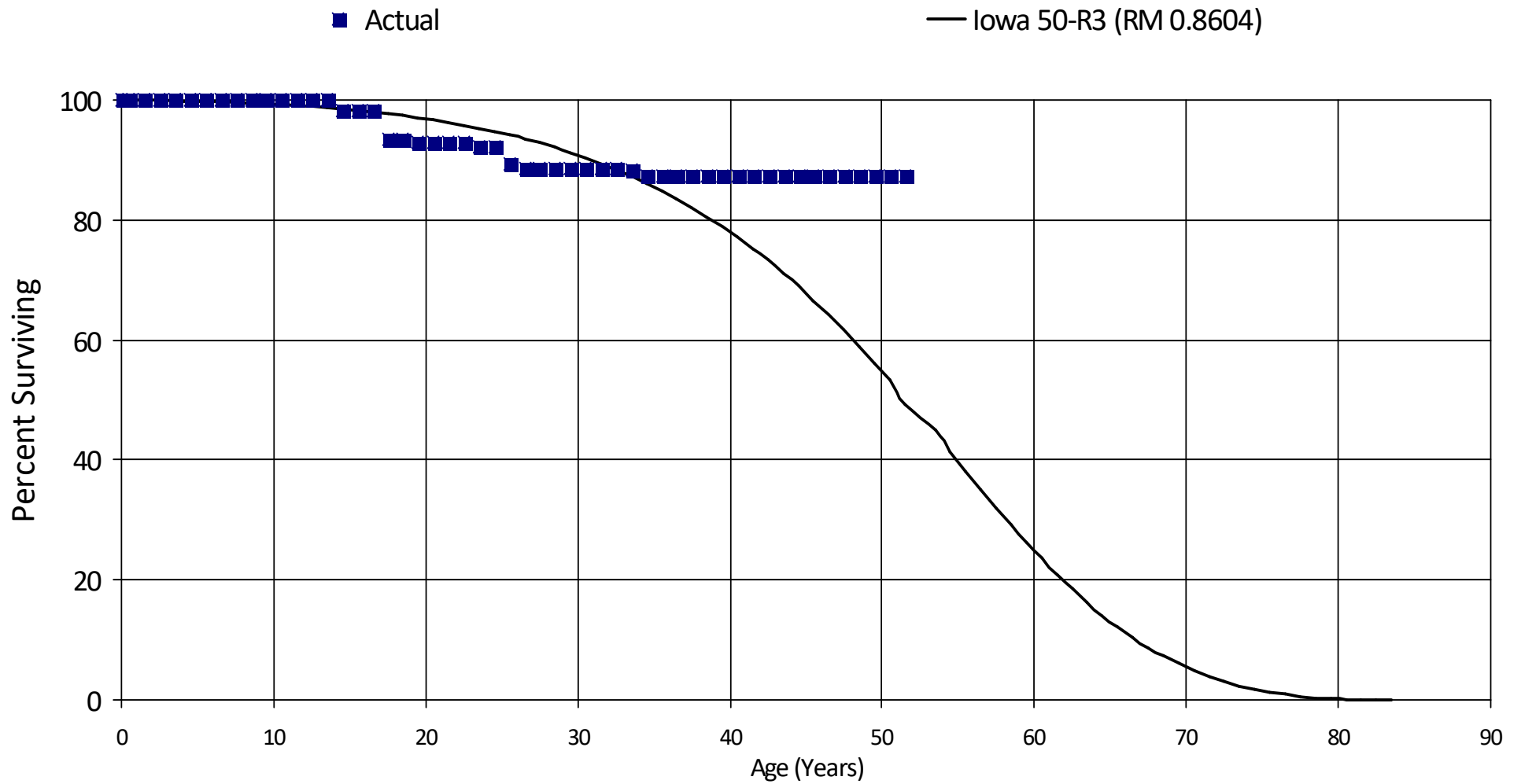
27.5	6,014	0	0.00000	1.00000	91.86
28.5	6,014	0	0.00000	1.00000	91.86
29.5	6,014	0	0.00000	1.00000	91.86
30.5	6,014	0	0.00000	1.00000	91.86
31.5	6,014	0	0.00000	1.00000	91.86
32.5	6,014	0	0.00000	1.00000	91.86
<b>Totals:</b>		<b>30,133</b>			

# American Water Works - Indiana

## Account 354.400 - Treatment

Placement Band - 1970 - 2022 Experience Band - 2009 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 354.400 - Treatment

Placement Band - 1970 - 2022 Experience Band - 2009 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	2,780,935	0	0.00000	1.00000	100.00
0.5	2,780,935	0	0.00000	1.00000	100.00
1.5	1,437,303	0	0.00000	1.00000	100.00
2.5	1,437,303	0	0.00000	1.00000	100.00
3.5	1,319,830	0	0.00000	1.00000	100.00
4.5	1,319,830	0	0.00000	1.00000	100.00
5.5	1,319,830	0	0.00000	1.00000	100.00
6.5	1,319,830	0	0.00000	1.00000	100.00
7.5	1,319,830	0	0.00000	1.00000	100.00
8.5	1,315,492	0	0.00000	1.00000	100.00
9.5	1,315,492	0	0.00000	1.00000	100.00
10.5	1,308,749	0	0.00000	1.00000	100.00
11.5	1,308,749	0	0.00000	1.00000	100.00
12.5	1,299,664	0	0.00000	1.00000	100.00
13.5	1,297,106	22,885	0.01764	0.98236	100.00
14.5	1,274,221	0	0.00000	1.00000	98.24
15.5	1,274,221	0	0.00000	1.00000	98.24
16.5	1,274,221	63,623	0.04993	0.95007	98.24
17.5	1,210,599	361	0.00030	0.99970	93.33
18.5	1,210,238	3,971	0.00328	0.99672	93.30
19.5	1,206,267	0	0.00000	1.00000	92.99
20.5	1,206,267	0	0.00000	1.00000	92.99
21.5	1,206,267	0	0.00000	1.00000	92.99
22.5	1,206,267	9,838	0.00816	0.99184	92.99
23.5	1,196,428	1,605	0.00134	0.99866	92.23
24.5	1,194,824	34,317	0.02872	0.97128	92.11
25.5	698,604	6,065	0.00868	0.99132	89.46
26.5	692,539	0	0.00000	1.00000	88.68

## American Water Works - Indiana

### Account 354.400 - Treatment

Placement Band - 1970 - 2022    Experience Band - 2009 - 2022

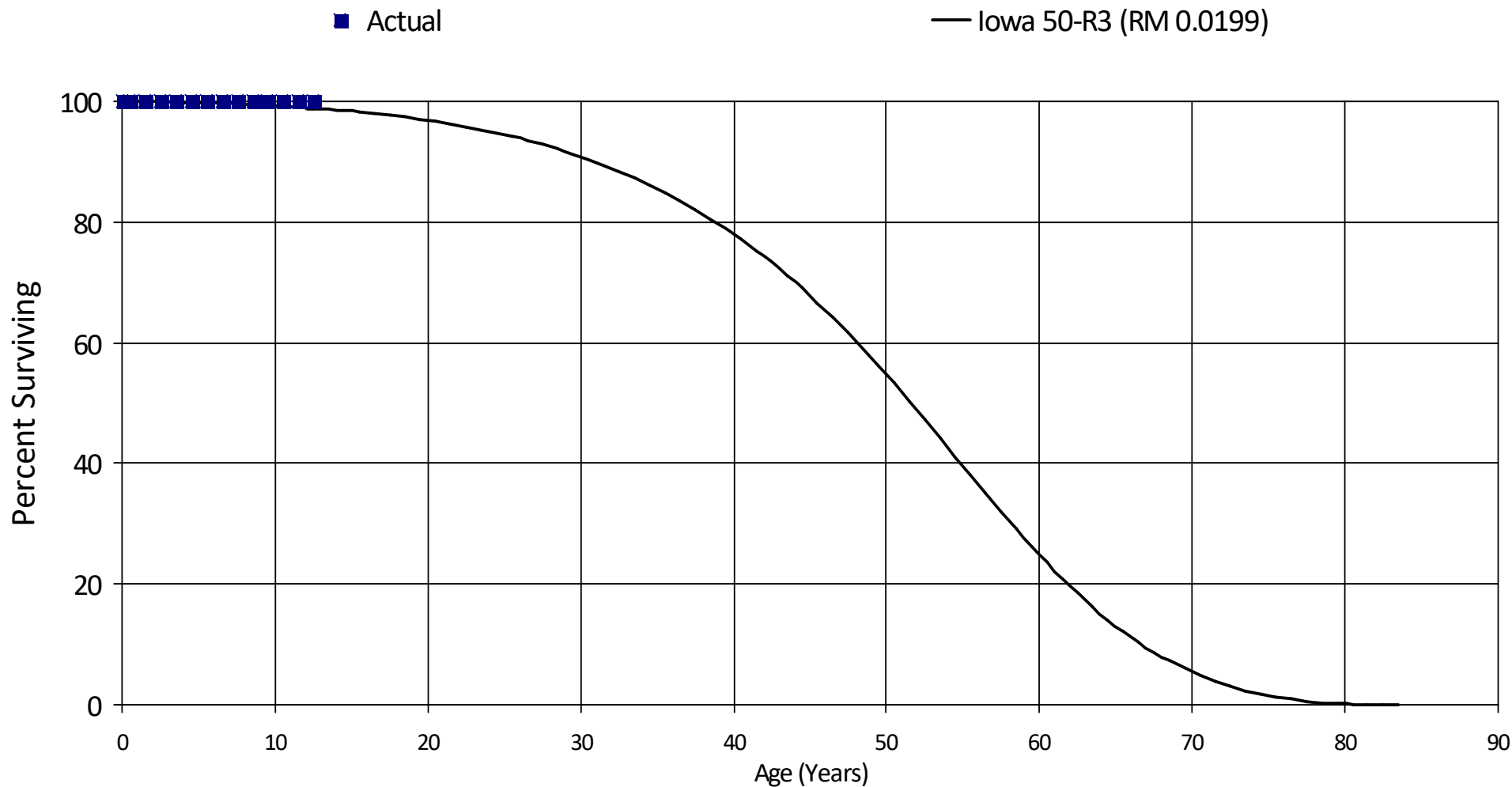
27.5	690,236	0	0.00000	1.00000	88.68
28.5	690,236	0	0.00000	1.00000	88.68
29.5	690,236	0	0.00000	1.00000	88.68
30.5	687,206	0	0.00000	1.00000	88.68
31.5	687,206	0	0.00000	1.00000	88.68
32.5	687,206	3,425	0.00498	0.99502	88.68
33.5	639,691	6,247	0.00977	0.99023	88.24
34.5	633,444	585	0.00092	0.99908	87.38
35.5	632,859	166	0.00026	0.99974	87.30
36.5	632,693	0	0.00000	1.00000	87.28
37.5	603,102	0	0.00000	1.00000	87.28
38.5	603,102	0	0.00000	1.00000	87.28
39.5	603,102	0	0.00000	1.00000	87.28
40.5	603,102	0	0.00000	1.00000	87.28
41.5	603,102	0	0.00000	1.00000	87.28
42.5	603,102	0	0.00000	1.00000	87.28
43.5	603,102	0	0.00000	1.00000	87.28
44.5	603,102	0	0.00000	1.00000	87.28
45.5	603,102	0	0.00000	1.00000	87.28
46.5	603,102	0	0.00000	1.00000	87.28
47.5	603,102	0	0.00000	1.00000	87.28
48.5	603,102	0	0.00000	1.00000	87.28
49.5	603,102	0	0.00000	1.00000	87.28
50.5	603,102	0	0.00000	1.00000	87.28
51.5	603,102	0	0.00000	1.00000	87.28
<b>Totals:</b>		<b>153,088</b>			

# American Water Works - Indiana

## Account 354.500 - General

Placement Band - 2009 - 2022 Experience Band - 2022 - 2022

### Actual and Smooth Survivor Curves





# American Water Works - Indiana

## Account 354.500 - General

Placement Band - 2009 - 2022 Experience Band - 2022 - 2022

### RETIREMENT RATE ANALYSIS

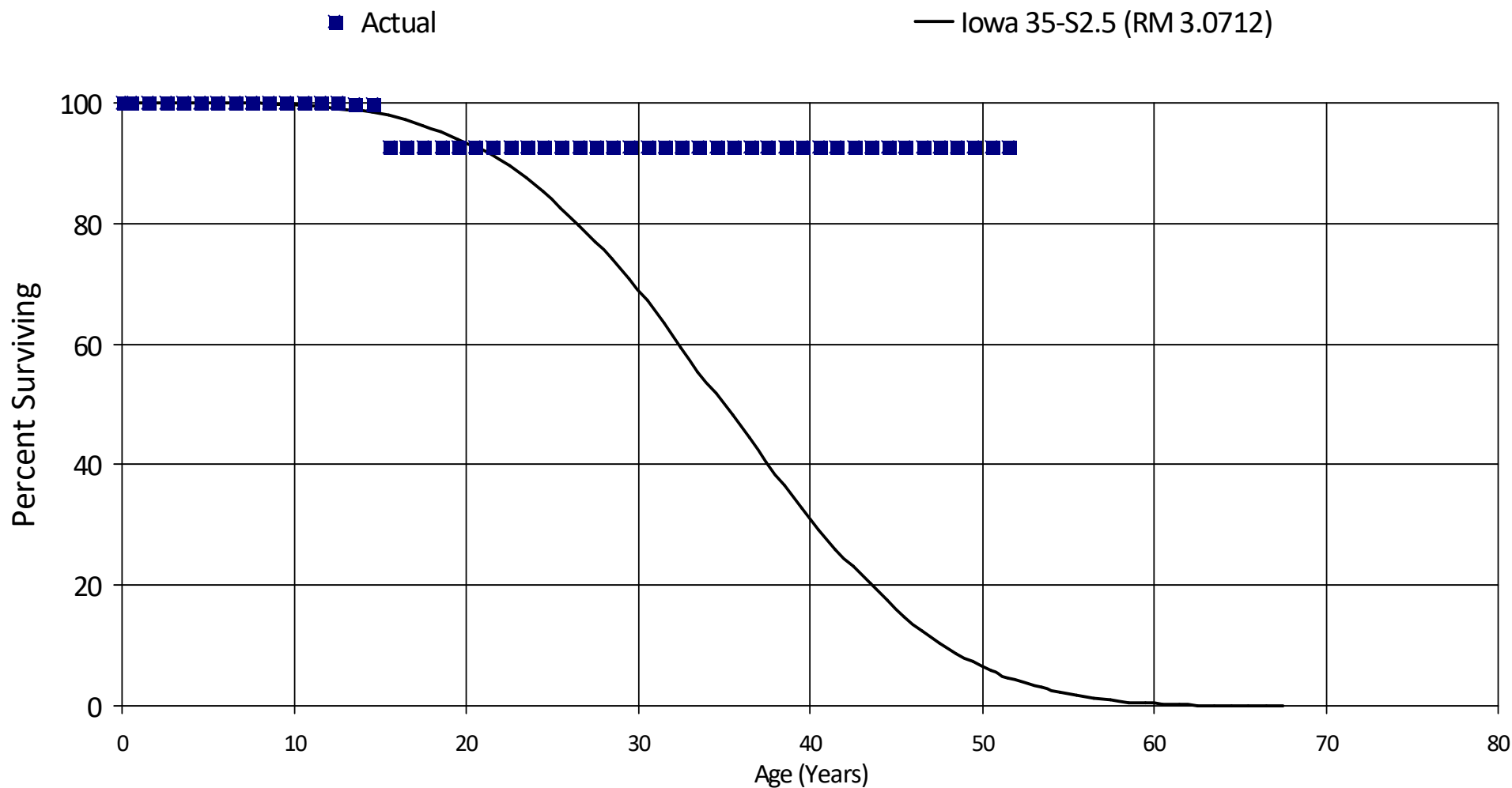
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	158,983	0	0.00000	1.00000	100.00
0.5	139,696	0	0.00000	1.00000	100.00
1.5	121,208	0	0.00000	1.00000	100.00
2.5	121,208	0	0.00000	1.00000	100.00
3.5	121,208	0	0.00000	1.00000	100.00
4.5	121,208	0	0.00000	1.00000	100.00
5.5	121,208	0	0.00000	1.00000	100.00
6.5	121,208	0	0.00000	1.00000	100.00
7.5	121,208	0	0.00000	1.00000	100.00
8.5	95,101	0	0.00000	1.00000	100.00
9.5	87,709	0	0.00000	1.00000	100.00
10.5	87,709	0	0.00000	1.00000	100.00
11.5	72,903	0	0.00000	1.00000	100.00
12.5	72,903	0	0.00000	1.00000	100.00
<b>Totals:</b>		0			

# American Water Works - Indiana

## Account 355.400 - Power Generation Equipment - Treatment

Placement Band - 1970 - 2022 Experience Band - 2020 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 355.400 - Power Generation Equipment - Treatment

Placement Band - 1970 - 2022    Experience Band - 2020 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	94,236	0	0.00000	1.00000	100.00
0.5	67,512	0	0.00000	1.00000	100.00
1.5	67,512	0	0.00000	1.00000	100.00
2.5	67,512	0	0.00000	1.00000	100.00
3.5	67,512	0	0.00000	1.00000	100.00
4.5	67,512	0	0.00000	1.00000	100.00
5.5	67,512	0	0.00000	1.00000	100.00
6.5	67,512	0	0.00000	1.00000	100.00
7.5	67,512	0	0.00000	1.00000	100.00
8.5	67,512	0	0.00000	1.00000	100.00
9.5	67,512	0	0.00000	1.00000	100.00
10.5	67,512	0	0.00000	1.00000	100.00
11.5	67,512	0	0.00000	1.00000	100.00
12.5	65,826	213	0.00324	0.99676	100.00
13.5	65,613	0	0.00000	1.00000	99.68
14.5	65,613	4,556	0.06944	0.93056	99.68
15.5	49,032	0	0.00000	1.00000	92.76
16.5	49,032	0	0.00000	1.00000	92.76
17.5	49,032	0	0.00000	1.00000	92.76
18.5	49,032	0	0.00000	1.00000	92.76
19.5	49,032	0	0.00000	1.00000	92.76
20.5	49,032	0	0.00000	1.00000	92.76
21.5	49,032	0	0.00000	1.00000	92.76
22.5	49,032	0	0.00000	1.00000	92.76
23.5	49,032	0	0.00000	1.00000	92.76
24.5	49,032	0	0.00000	1.00000	92.76
25.5	49,032	0	0.00000	1.00000	92.76
26.5	49,032	0	0.00000	1.00000	92.76

## American Water Works - Indiana

### Account 355.400 - Power Generation Equipment - Treatment

Placement Band - 1970 - 2022    Experience Band - 2020 - 2022

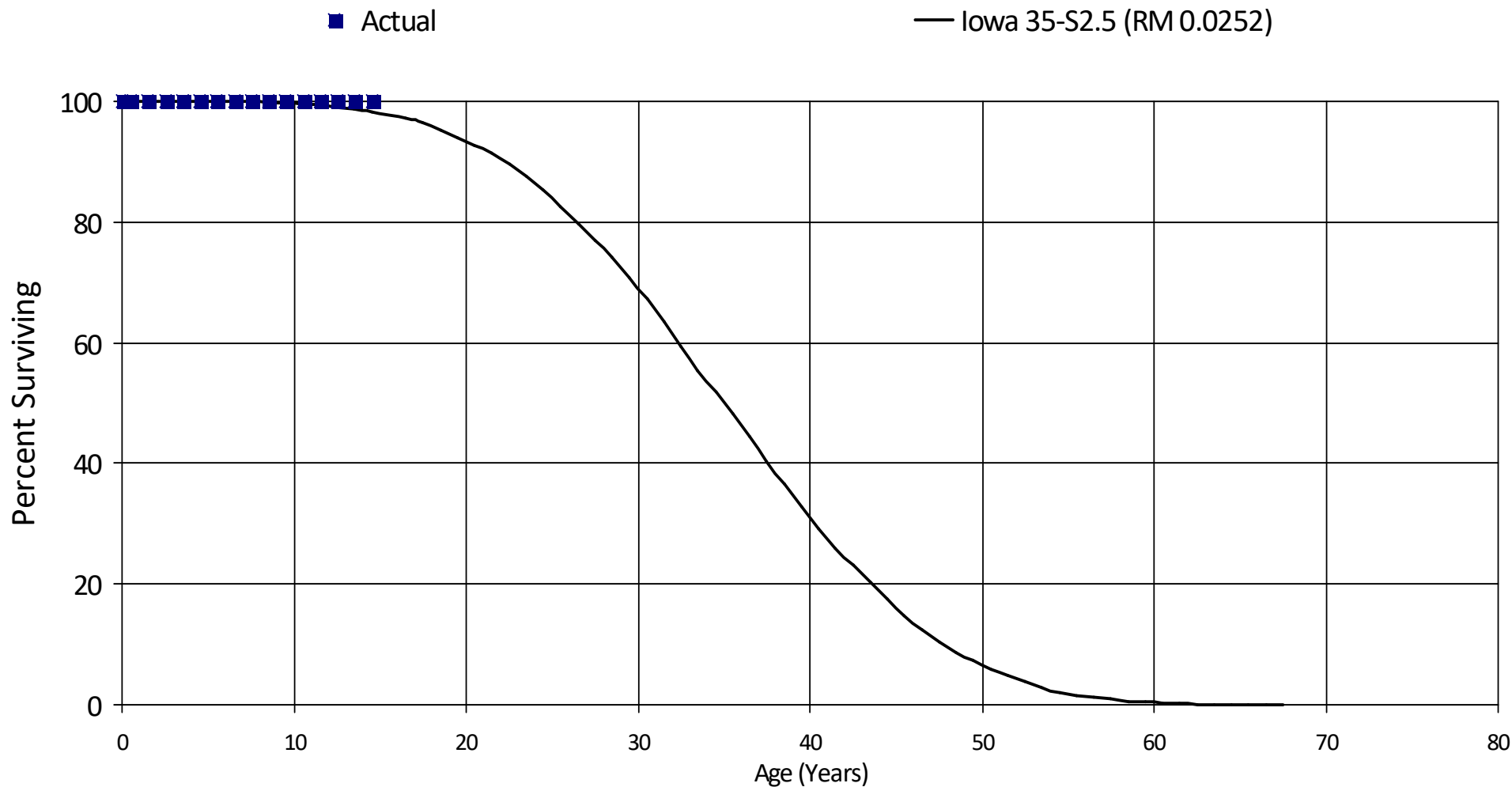
27.5	49,032	0	0.00000	1.00000	92.76
28.5	49,032	0	0.00000	1.00000	92.76
29.5	49,032	0	0.00000	1.00000	92.76
30.5	49,032	0	0.00000	1.00000	92.76
31.5	49,032	0	0.00000	1.00000	92.76
32.5	49,032	0	0.00000	1.00000	92.76
33.5	49,032	0	0.00000	1.00000	92.76
34.5	49,032	0	0.00000	1.00000	92.76
35.5	49,032	0	0.00000	1.00000	92.76
36.5	49,032	0	0.00000	1.00000	92.76
37.5	49,032	0	0.00000	1.00000	92.76
38.5	49,032	0	0.00000	1.00000	92.76
39.5	49,032	0	0.00000	1.00000	92.76
40.5	49,032	0	0.00000	1.00000	92.76
41.5	49,032	0	0.00000	1.00000	92.76
42.5	49,032	0	0.00000	1.00000	92.76
43.5	49,032	0	0.00000	1.00000	92.76
44.5	49,032	0	0.00000	1.00000	92.76
45.5	49,032	0	0.00000	1.00000	92.76
46.5	49,032	0	0.00000	1.00000	92.76
47.5	49,032	0	0.00000	1.00000	92.76
48.5	49,032	0	0.00000	1.00000	92.76
49.5	49,032	0	0.00000	1.00000	92.76
50.5	49,032	0	0.00000	1.00000	92.76
51.5	49,032	0	0.00000	1.00000	92.76
<b>Totals:</b>		4,769			

# American Water Works - Indiana

## Account 355.500 - Power Generation Equipment - RWTP

Placement Band - 2007 - 2022    Experience Band - 2022 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 355.500 - Power Generation Equipment - RWTP

Placement Band - 2007 - 2022 Experience Band - 2022 - 2022

### RETIREMENT RATE ANALYSIS

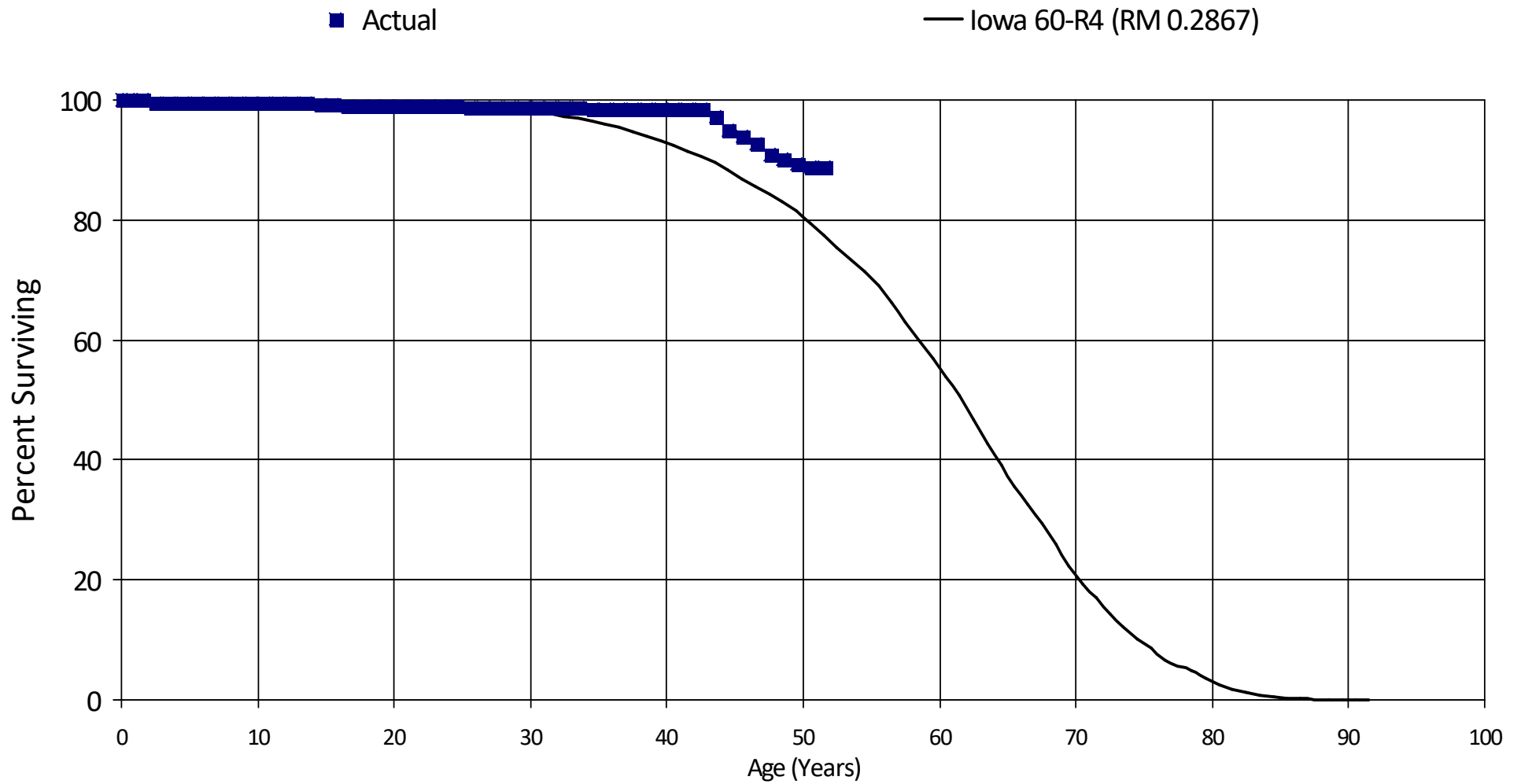
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	146,803	0	0.00000	1.00000	100.00
0.5	47,345	0	0.00000	1.00000	100.00
1.5	47,345	0	0.00000	1.00000	100.00
2.5	45,816	0	0.00000	1.00000	100.00
3.5	40,292	0	0.00000	1.00000	100.00
4.5	40,292	0	0.00000	1.00000	100.00
5.5	40,292	0	0.00000	1.00000	100.00
6.5	40,292	0	0.00000	1.00000	100.00
7.5	40,292	0	0.00000	1.00000	100.00
8.5	40,292	0	0.00000	1.00000	100.00
9.5	40,292	0	0.00000	1.00000	100.00
10.5	40,292	0	0.00000	1.00000	100.00
11.5	40,292	0	0.00000	1.00000	100.00
12.5	40,292	0	0.00000	1.00000	100.00
13.5	40,292	0	0.00000	1.00000	100.00
14.5	40,292	0	0.00000	1.00000	100.00
<b>Totals:</b>		0			

# American Water Works - Indiana

## Account 361.100 - Mains

Placement Band - 1945 - 2022 Experience Band - 1998 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 361.100 - Mains

Placement Band - 1945 - 2022 Experience Band - 1998 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	5,779,969	0	0.00000	1.00000	100.00
0.5	5,529,889	2,245	0.00041	0.99959	100.00
1.5	5,395,176	27,161	0.00503	0.99497	99.96
2.5	5,368,014	0	0.00000	1.00000	99.46
3.5	5,368,014	0	0.00000	1.00000	99.46
4.5	5,368,014	0	0.00000	1.00000	99.46
5.5	5,295,862	0	0.00000	1.00000	99.46
6.5	5,288,268	0	0.00000	1.00000	99.46
7.5	5,288,268	0	0.00000	1.00000	99.46
8.5	5,288,268	0	0.00000	1.00000	99.46
9.5	5,220,484	0	0.00000	1.00000	99.46
10.5	5,133,560	3,355	0.00065	0.99935	99.46
11.5	5,052,288	0	0.00000	1.00000	99.40
12.5	4,323,106	0	0.00000	1.00000	99.40
13.5	4,064,303	8,694	0.00214	0.99786	99.40
14.5	4,002,935	19	0.00000	1.00000	99.19
15.5	3,678,696	4,572	0.00124	0.99876	99.19
16.5	3,138,246	0	0.00000	1.00000	99.07
17.5	3,127,977	0	0.00000	1.00000	99.07
18.5	3,101,785	564	0.00018	0.99982	99.07
19.5	3,101,221	0	0.00000	1.00000	99.05
20.5	2,845,420	0	0.00000	1.00000	99.05
21.5	2,841,407	0	0.00000	1.00000	99.05
22.5	2,573,876	103	0.00004	0.99996	99.05
23.5	2,436,986	0	0.00000	1.00000	99.05
24.5	2,408,129	4,967	0.00206	0.99794	99.05
25.5	2,267,593	0	0.00000	1.00000	98.85
26.5	2,149,777	0	0.00000	1.00000	98.85



## American Water Works - Indiana

### Account 361.100 - Mains

Placement Band - 1945 - 2022    Experience Band - 1998 - 2022

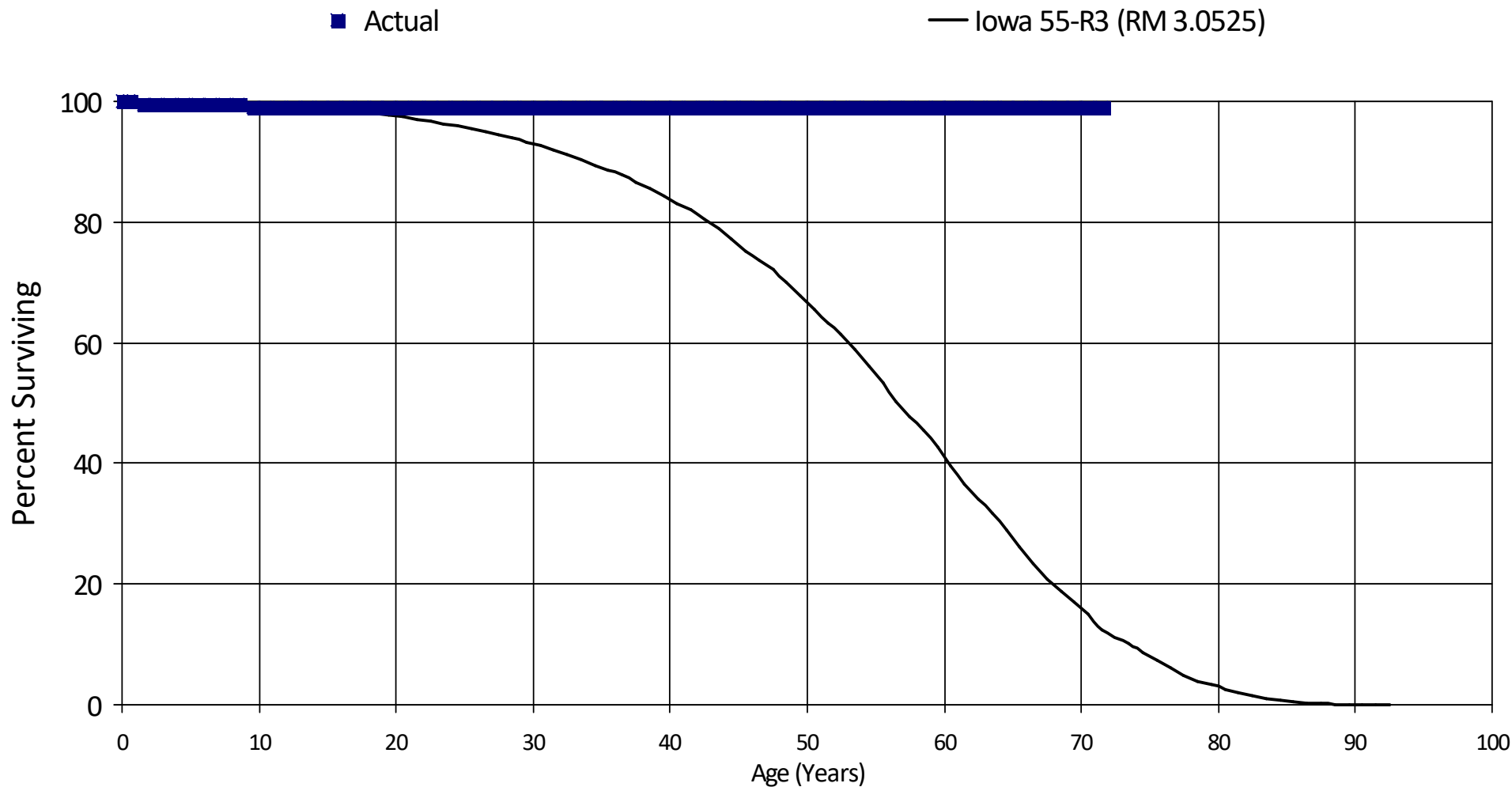
27.5	2,054,012	0	0.00000	1.00000	98.85
28.5	2,054,012	0	0.00000	1.00000	98.85
29.5	2,054,012	0	0.00000	1.00000	98.85
30.5	1,987,688	0	0.00000	1.00000	98.85
31.5	1,987,688	0	0.00000	1.00000	98.85
32.5	1,901,844	0	0.00000	1.00000	98.85
33.5	1,716,399	6,000	0.00350	0.99650	98.85
34.5	1,621,492	0	0.00000	1.00000	98.50
35.5	1,621,492	15	0.00001	0.99999	98.50
36.5	1,583,182	0	0.00000	1.00000	98.50
37.5	525,448	0	0.00000	1.00000	98.50
38.5	525,448	302	0.00057	0.99943	98.50
39.5	525,146	0	0.00000	1.00000	98.44
40.5	525,146	0	0.00000	1.00000	98.44
41.5	525,146	0	0.00000	1.00000	98.44
42.5	525,146	5,918	0.01127	0.98873	98.44
43.5	485,834	12,292	0.02530	0.97470	97.33
44.5	473,542	4,957	0.01047	0.98953	94.87
45.5	468,586	6,602	0.01409	0.98591	93.88
46.5	461,984	8,124	0.01759	0.98241	92.56
47.5	443,627	3,999	0.00901	0.99099	90.93
48.5	439,373	4,187	0.00953	0.99047	90.11
49.5	435,186	2,225	0.00511	0.99489	89.25
50.5	380,252	0	0.00000	1.00000	88.79
51.5	380,252	44,946	0.11820	0.88180	88.79
<b>Totals:</b>		151,247			

# American Water Works - Indiana

## Account 363.000 - Services

Placement Band - 1950 - 2022 Experience Band - 2010 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 363.000 - Services

Placement Band - 1950 - 2022 Experience Band - 2010 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	897,661	44	0.00005	0.99995	100.00
0.5	702,903	3,501	0.00498	0.99502	100.00
1.5	575,422	0	0.00000	1.00000	99.50
2.5	575,422	0	0.00000	1.00000	99.50
3.5	575,422	0	0.00000	1.00000	99.50
4.5	575,422	0	0.00000	1.00000	99.50
5.5	575,422	0	0.00000	1.00000	99.50
6.5	575,422	0	0.00000	1.00000	99.50
7.5	575,422	0	0.00000	1.00000	99.50
8.5	567,686	2,794	0.00492	0.99508	99.50
9.5	564,892	0	0.00000	1.00000	99.01
10.5	564,892	0	0.00000	1.00000	99.01
11.5	564,892	0	0.00000	1.00000	99.01
12.5	431,926	0	0.00000	1.00000	99.01
13.5	431,926	0	0.00000	1.00000	99.01
14.5	431,926	0	0.00000	1.00000	99.01
15.5	375,494	0	0.00000	1.00000	99.01
16.5	291,550	0	0.00000	1.00000	99.01
17.5	291,550	0	0.00000	1.00000	99.01
18.5	291,550	0	0.00000	1.00000	99.01
19.5	291,550	0	0.00000	1.00000	99.01
20.5	291,550	0	0.00000	1.00000	99.01
21.5	291,550	0	0.00000	1.00000	99.01
22.5	291,550	0	0.00000	1.00000	99.01
23.5	287,031	0	0.00000	1.00000	99.01
24.5	287,031	0	0.00000	1.00000	99.01
25.5	287,031	0	0.00000	1.00000	99.01
26.5	287,031	0	0.00000	1.00000	99.01

# American Water Works - Indiana

## Account 363.000 - Services

Placement Band - 1950 - 2022    Experience Band - 2010 - 2022

27.5	281,868	0	0.00000	1.00000	99.01
28.5	281,868	0	0.00000	1.00000	99.01
29.5	281,868	0	0.00000	1.00000	99.01
30.5	281,868	0	0.00000	1.00000	99.01
31.5	281,868	0	0.00000	1.00000	99.01
32.5	216,767	0	0.00000	1.00000	99.01
33.5	207,835	0	0.00000	1.00000	99.01
34.5	207,835	0	0.00000	1.00000	99.01
35.5	207,835	0	0.00000	1.00000	99.01
36.5	207,835	0	0.00000	1.00000	99.01
37.5	15,575	0	0.00000	1.00000	99.01
38.5	15,575	0	0.00000	1.00000	99.01
39.5	15,575	0	0.00000	1.00000	99.01
40.5	15,575	0	0.00000	1.00000	99.01
41.5	15,575	0	0.00000	1.00000	99.01
42.5	15,575	0	0.00000	1.00000	99.01
43.5	15,575	0	0.00000	1.00000	99.01
44.5	15,575	0	0.00000	1.00000	99.01
45.5	15,575	0	0.00000	1.00000	99.01
46.5	15,575	0	0.00000	1.00000	99.01
47.5	15,575	0	0.00000	1.00000	99.01
48.5	15,575	0	0.00000	1.00000	99.01
49.5	15,575	0	0.00000	1.00000	99.01
50.5	15,575	0	0.00000	1.00000	99.01
51.5	15,575	0	0.00000	1.00000	99.01
52.5	7,080	0	0.00000	1.00000	99.01
53.5	7,080	0	0.00000	1.00000	99.01
54.5	7,080	0	0.00000	1.00000	99.01
55.5	7,080	0	0.00000	1.00000	99.01
56.5	7,080	0	0.00000	1.00000	99.01
57.5	7,080	0	0.00000	1.00000	99.01

# American Water Works - Indiana

## Account 363.000 - Services

Placement Band - 1950 - 2022    Experience Band - 2010 - 2022

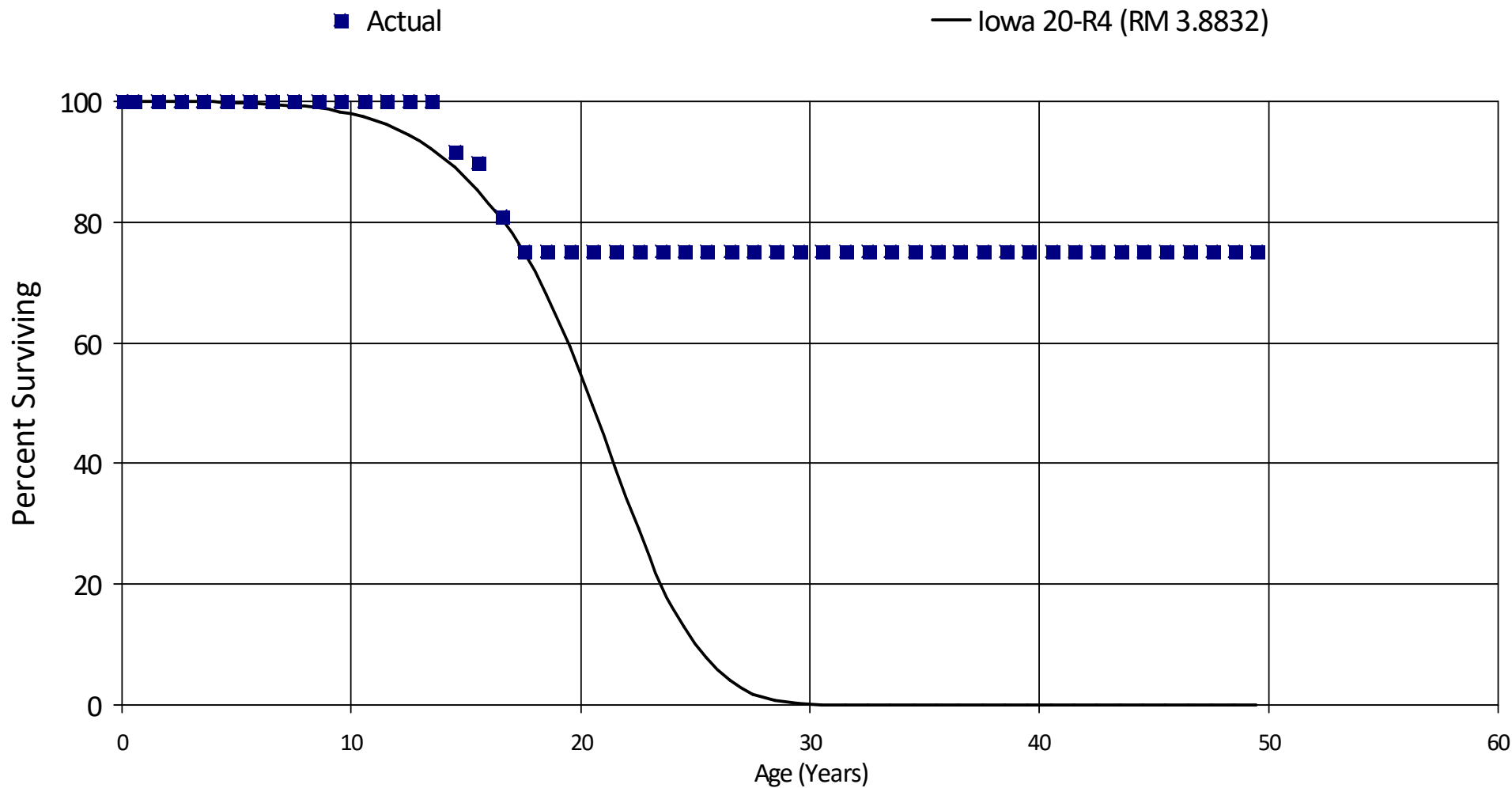
58.5	7,080	0	0.00000	1.00000	99.01
59.5	7,080	0	0.00000	1.00000	99.01
60.5	7,080	0	0.00000	1.00000	99.01
61.5	7,080	0	0.00000	1.00000	99.01
62.5	7,080	0	0.00000	1.00000	99.01
63.5	7,080	0	0.00000	1.00000	99.01
64.5	7,080	0	0.00000	1.00000	99.01
65.5	7,080	0	0.00000	1.00000	99.01
66.5	7,080	0	0.00000	1.00000	99.01
67.5	7,080	0	0.00000	1.00000	99.01
68.5	7,080	0	0.00000	1.00000	99.01
69.5	7,080	0	0.00000	1.00000	99.01
70.5	7,080	0	0.00000	1.00000	99.01
71.5	7,080	0	0.00000	1.00000	99.01
Totals:		6,339			

# American Water Works - Indiana

## Account 364.000 - Meters

Placement Band - 1972 - 2022 Experience Band - 2014 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 364.000 - Meters

Placement Band - 1972 - 2022 Experience Band - 2014 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	79,932	0	0.00000	1.00000	100.00
0.5	79,932	0	0.00000	1.00000	100.00
1.5	79,932	0	0.00000	1.00000	100.00
2.5	79,932	0	0.00000	1.00000	100.00
3.5	79,932	0	0.00000	1.00000	100.00
4.5	79,932	0	0.00000	1.00000	100.00
5.5	79,932	0	0.00000	1.00000	100.00
6.5	79,932	0	0.00000	1.00000	100.00
7.5	79,932	0	0.00000	1.00000	100.00
8.5	79,932	0	0.00000	1.00000	100.00
9.5	79,932	0	0.00000	1.00000	100.00
10.5	79,932	0	0.00000	1.00000	100.00
11.5	79,932	0	0.00000	1.00000	100.00
12.5	79,932	0	0.00000	1.00000	100.00
13.5	79,932	6,629	0.08293	0.91707	100.00
14.5	73,303	1,473	0.02009	0.97991	91.71
15.5	52,433	5,124	0.09772	0.90228	89.87
16.5	45,455	3,285	0.07227	0.92773	81.09
17.5	25,602	0	0.00000	1.00000	75.23
18.5	25,602	0	0.00000	1.00000	75.23
19.5	25,602	0	0.00000	1.00000	75.23
20.5	25,602	0	0.00000	1.00000	75.23
21.5	25,602	0	0.00000	1.00000	75.23
22.5	25,602	0	0.00000	1.00000	75.23
23.5	25,602	0	0.00000	1.00000	75.23
24.5	25,602	0	0.00000	1.00000	75.23
25.5	5,787	0	0.00000	1.00000	75.23
26.5	5,787	0	0.00000	1.00000	75.23

# American Water Works - Indiana

## Account 364.000 - Meters

Placement Band - 1972 - 2022    Experience Band - 2014 - 2022

27.5	5,787	0	0.00000	1.00000	75.23
28.5	5,787	0	0.00000	1.00000	75.23
29.5	5,787	0	0.00000	1.00000	75.23
30.5	5,787	0	0.00000	1.00000	75.23
31.5	5,787	0	0.00000	1.00000	75.23
32.5	5,787	0	0.00000	1.00000	75.23
33.5	5,787	0	0.00000	1.00000	75.23
34.5	5,787	0	0.00000	1.00000	75.23
35.5	5,787	0	0.00000	1.00000	75.23
36.5	5,787	0	0.00000	1.00000	75.23
37.5	2,311	0	0.00000	1.00000	75.23
38.5	2,311	0	0.00000	1.00000	75.23
39.5	2,311	0	0.00000	1.00000	75.23
40.5	2,311	0	0.00000	1.00000	75.23
41.5	2,311	0	0.00000	1.00000	75.23
42.5	2,311	0	0.00000	1.00000	75.23
43.5	2,311	0	0.00000	1.00000	75.23
44.5	2,311	0	0.00000	1.00000	75.23
45.5	2,311	0	0.00000	1.00000	75.23
46.5	2,311	0	0.00000	1.00000	75.23
47.5	2,311	0	0.00000	1.00000	75.23
48.5	2,311	0	0.00000	1.00000	75.23
49.5	2,311	20	0.00865	0.99135	75.23
<b>Totals:</b>		16,531			

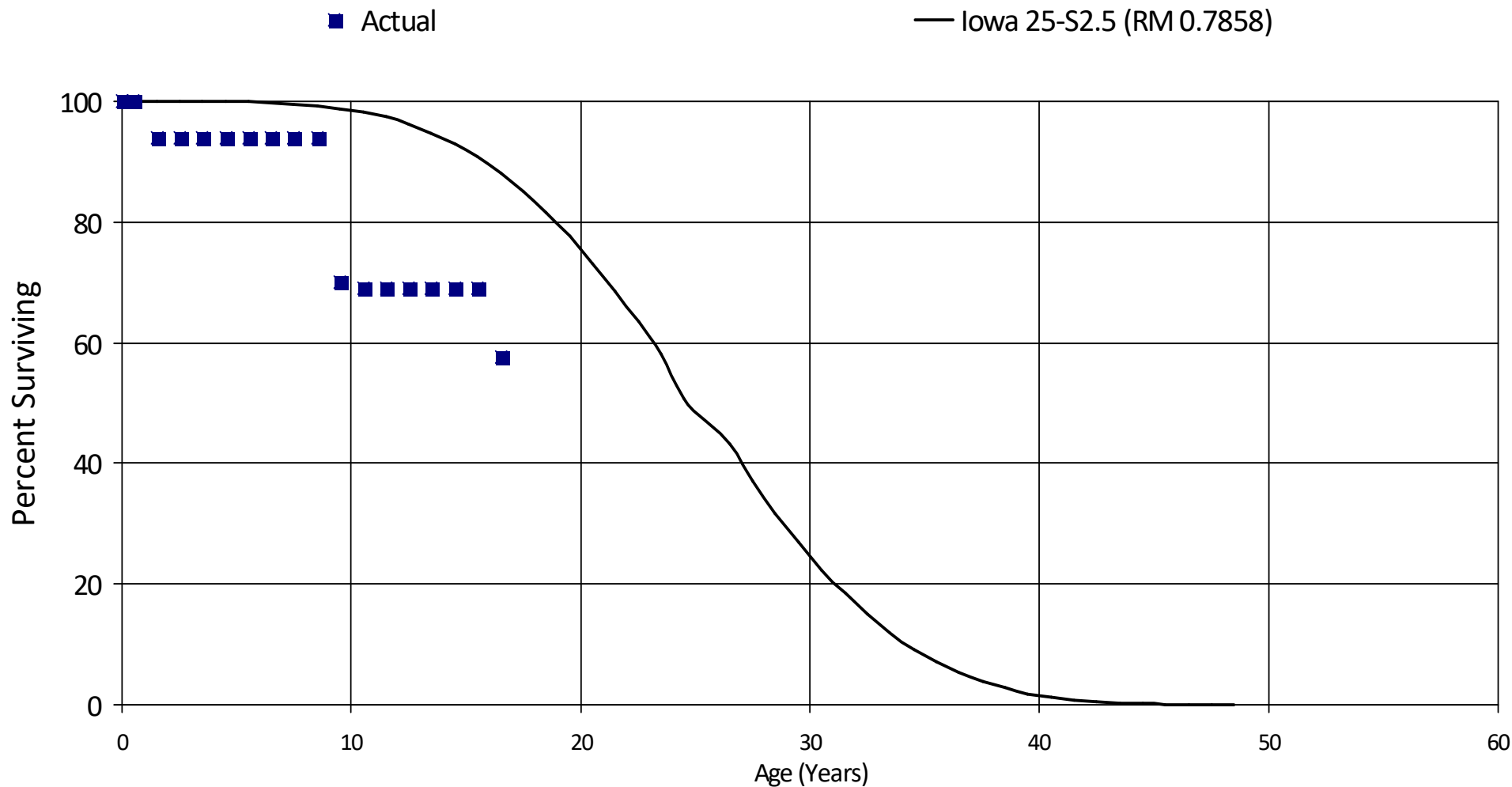


# American Water Works - Indiana

## Account 371.100 - Electric Pumping Equipment

Placement Band - 1997 - 2022    Experience Band - 2007 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 371.100 - Electric Pumping Equipment

Placement Band - 1997 - 2022    Experience Band - 2007 - 2022

### RETIREMENT RATE ANALYSIS

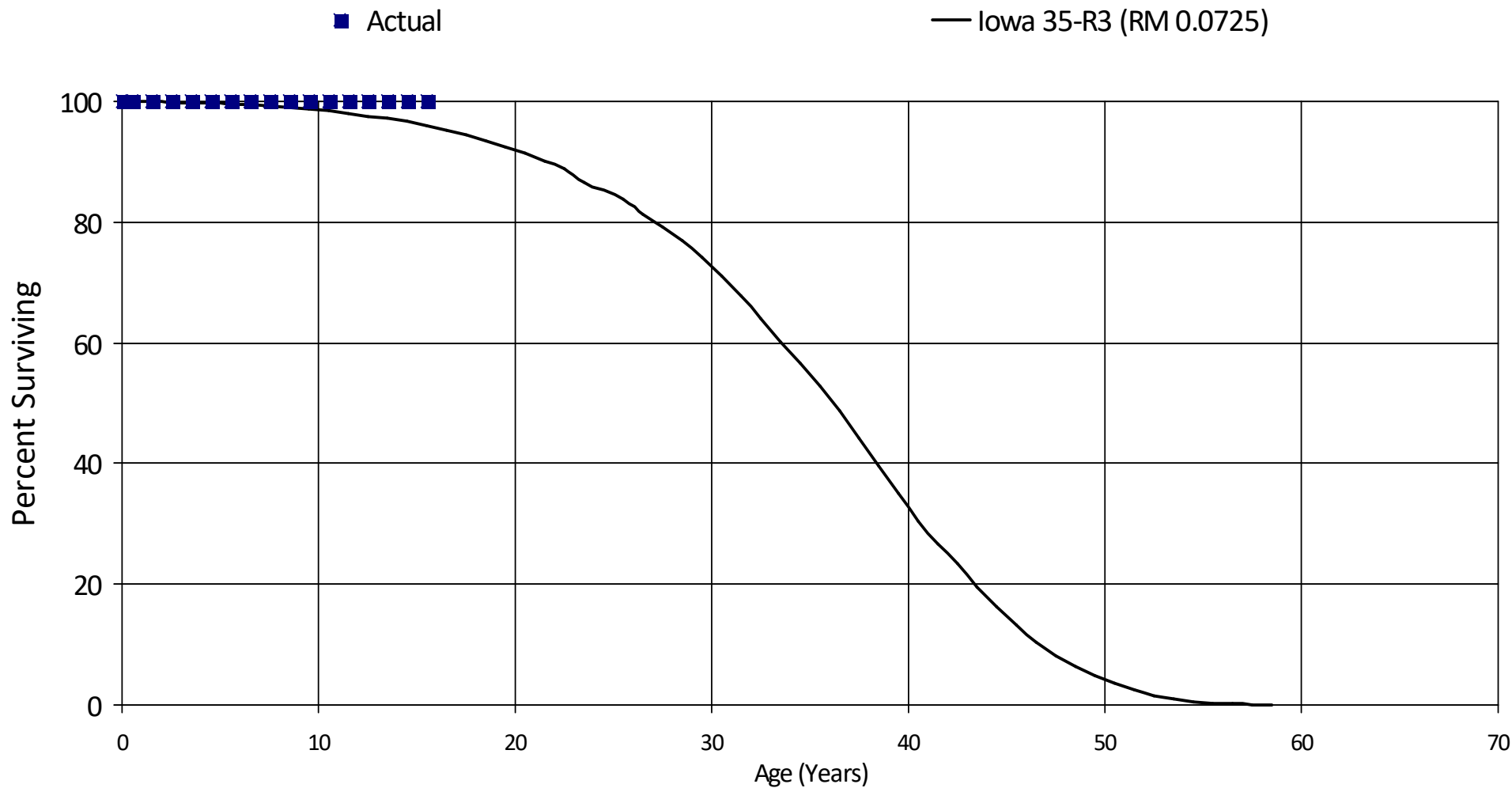
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	232,791	0	0.00000	1.00000	100.00
0.5	229,632	14,126	0.06152	0.93848	100.00
1.5	136,376	0	0.00000	1.00000	93.85
2.5	91,100	0	0.00000	1.00000	93.85
3.5	53,767	0	0.00000	1.00000	93.85
4.5	53,767	0	0.00000	1.00000	93.85
5.5	53,767	0	0.00000	1.00000	93.85
6.5	53,767	0	0.00000	1.00000	93.85
7.5	53,767	0	0.00000	1.00000	93.85
8.5	28,468	7,228	0.25390	0.74610	93.85
9.5	21,097	323	0.01531	0.98469	70.02
10.5	20,774	0	0.00000	1.00000	68.95
11.5	20,774	0	0.00000	1.00000	68.95
12.5	20,774	0	0.00000	1.00000	68.95
13.5	20,774	0	0.00000	1.00000	68.95
14.5	20,774	0	0.00000	1.00000	68.95
15.5	20,774	3,419	0.16458	0.83542	68.95
16.5	0	0	0.00000	0.00000	57.60
<b>Totals:</b>		25,096			

# American Water Works - Indiana

## Account 371.200 - Other Pumping Equipment

Placement Band - 1998 - 2022 Experience Band - 2022 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 371.200 - Other Pumping Equipment

Placement Band - 1998 - 2022    Experience Band - 2022 - 2022

### RETIREMENT RATE ANALYSIS

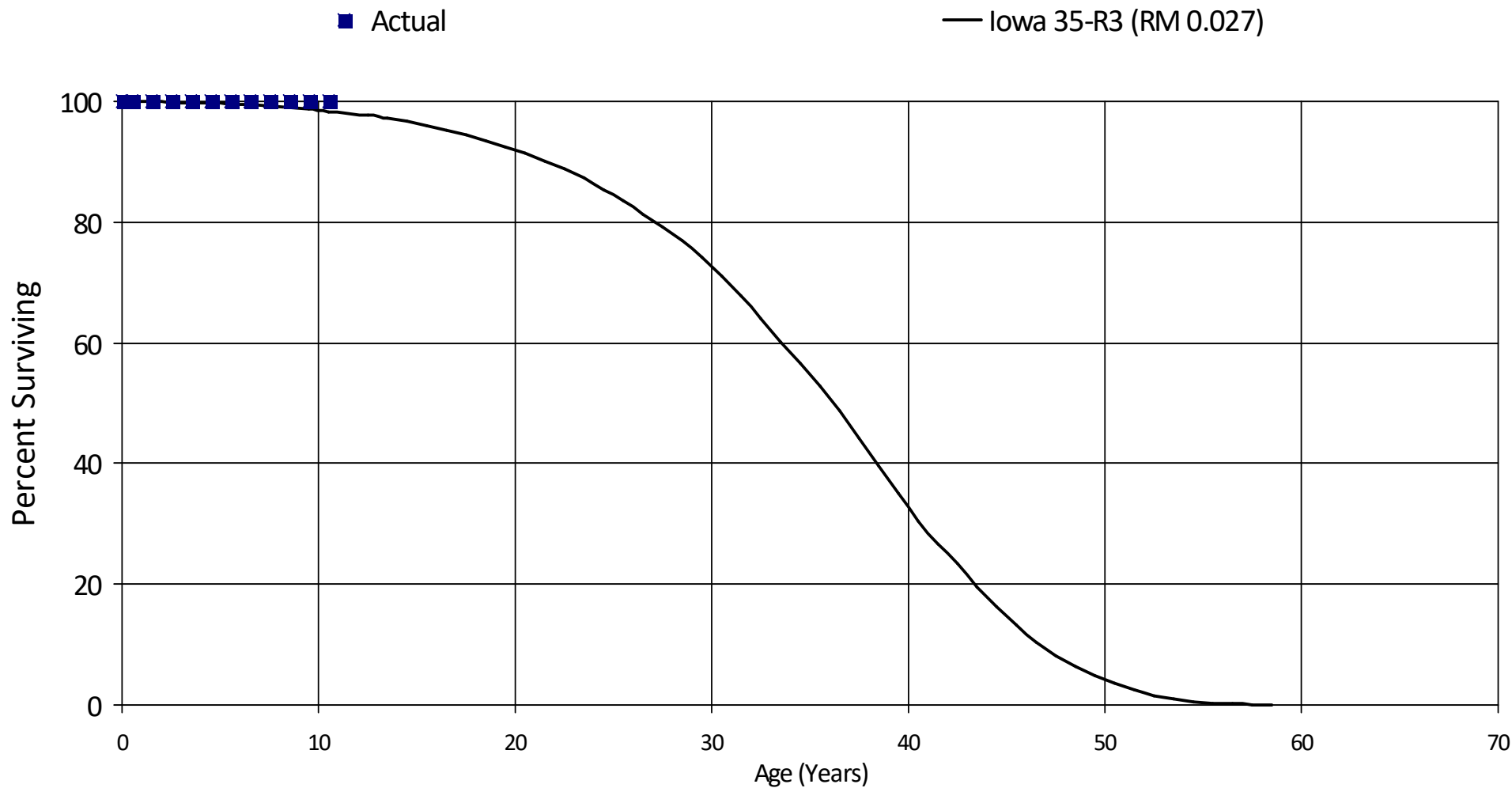
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	1,166	0	0.00000	1.00000	100.00
0.5	1,166	0	0.00000	1.00000	100.00
1.5	1,166	0	0.00000	1.00000	100.00
2.5	1,166	0	0.00000	1.00000	100.00
3.5	1,166	0	0.00000	1.00000	100.00
4.5	1,166	0	0.00000	1.00000	100.00
5.5	1,166	0	0.00000	1.00000	100.00
6.5	1,166	0	0.00000	1.00000	100.00
7.5	1,166	0	0.00000	1.00000	100.00
8.5	1,166	0	0.00000	1.00000	100.00
9.5	1,166	0	0.00000	1.00000	100.00
10.5	1,166	0	0.00000	1.00000	100.00
11.5	1,166	0	0.00000	1.00000	100.00
12.5	1,166	0	0.00000	1.00000	100.00
13.5	1,166	0	0.00000	1.00000	100.00
14.5	68	0	0.00000	1.00000	100.00
15.5	0	0	0.00000	0.00000	100.00
Totals:		0			

# American Water Works - Indiana

## Account 371.300 - Miscellaneous Pumping Equipment

Placement Band - 2011 - 2022 Experience Band - 2022 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 371.300 - Miscellaneous Pumping Equipment

Placement Band - 2011 - 2022 Experience Band - 2022 - 2022

### RETIREMENT RATE ANALYSIS

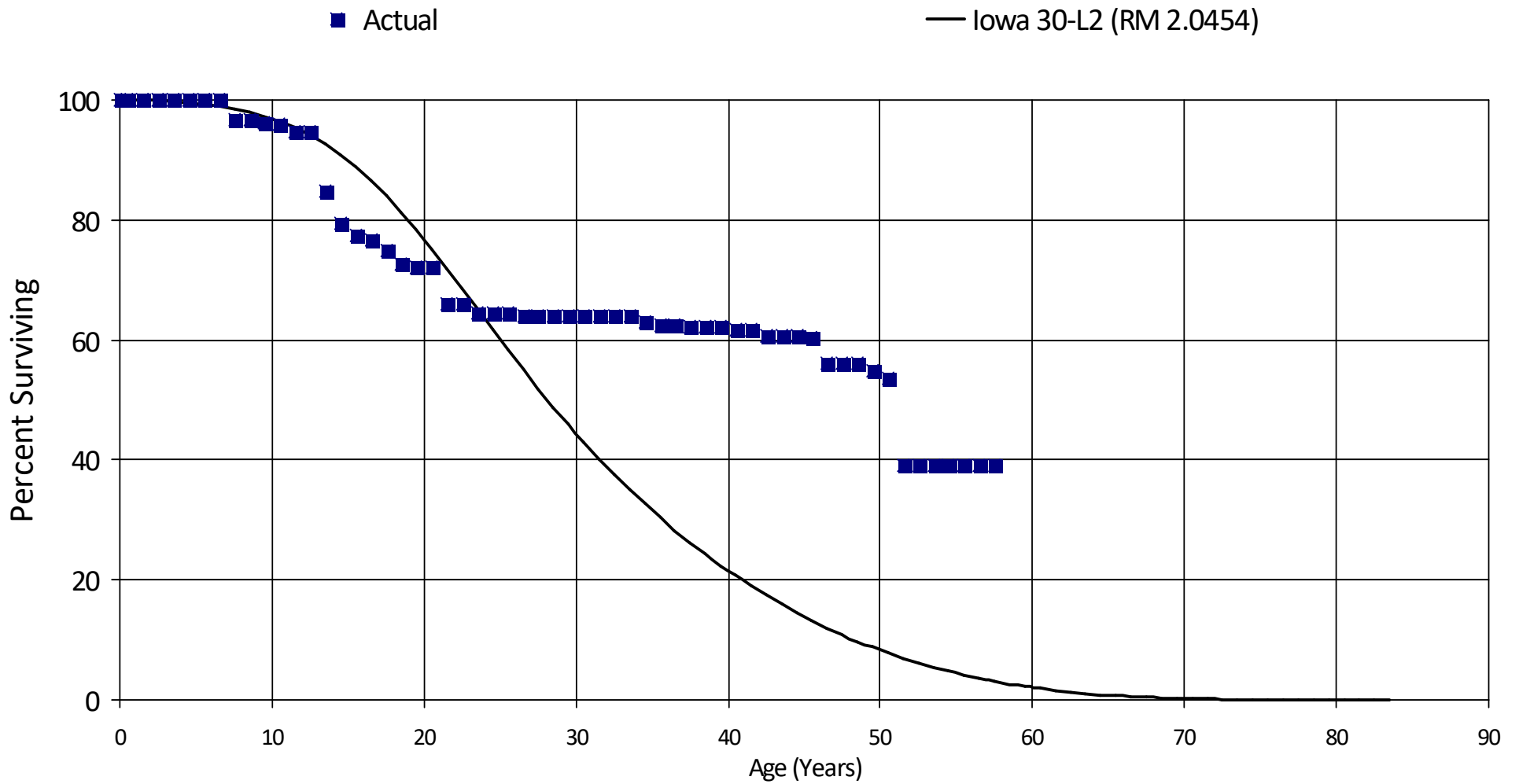
Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	17,021	0	0.00000	1.00000	100.00
0.5	8,584	0	0.00000	1.00000	100.00
1.5	8,584	0	0.00000	1.00000	100.00
2.5	8,584	0	0.00000	1.00000	100.00
3.5	8,584	0	0.00000	1.00000	100.00
4.5	8,584	0	0.00000	1.00000	100.00
5.5	8,584	0	0.00000	1.00000	100.00
6.5	8,584	0	0.00000	1.00000	100.00
7.5	8,584	0	0.00000	1.00000	100.00
8.5	8,584	0	0.00000	1.00000	100.00
9.5	8,011	0	0.00000	1.00000	100.00
10.5	2,472	0	0.00000	1.00000	100.00
<b>Totals:</b>		0			

# American Water Works - Indiana

## Account 380.000 - Treatment and Disposal Equipment

Placement Band - 1964 - 2022 Experience Band - 1996 - 2022

### Actual and Smooth Survivor Curves



## American Water Works - Indiana

### Account 380.000 - Treatment and Disposal Equipment

Placement Band - 1964 - 2022    Experience Band - 1996 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	8,421,949	0	0.00000	1.00000	100.00
0.5	8,336,287	409	0.00005	0.99995	100.00
1.5	309,624	0	0.00000	1.00000	100.00
2.5	309,212	0	0.00000	1.00000	100.00
3.5	285,302	0	0.00000	1.00000	100.00
4.5	239,299	0	0.00000	1.00000	100.00
5.5	239,299	0	0.00000	1.00000	100.00
6.5	236,361	7,655	0.03239	0.96761	100.00
7.5	226,618	0	0.00000	1.00000	96.76
8.5	133,478	804	0.00602	0.99398	96.76
9.5	123,755	320	0.00259	0.99741	96.18
10.5	123,436	1,491	0.01208	0.98792	95.93
11.5	121,789	0	0.00000	1.00000	94.77
12.5	121,789	12,754	0.10472	0.89528	94.77
13.5	109,036	6,936	0.06361	0.93639	84.85
14.5	100,674	2,735	0.02717	0.97283	79.45
15.5	97,939	736	0.00751	0.99249	77.29
16.5	97,203	2,421	0.02491	0.97509	76.71
17.5	94,782	2,860	0.03017	0.96983	74.80
18.5	91,922	639	0.00695	0.99305	72.54
19.5	91,282	0	0.00000	1.00000	72.04
20.5	91,282	7,508	0.08225	0.91775	72.04
21.5	83,774	0	0.00000	1.00000	66.11
22.5	77,975	1,886	0.02419	0.97581	66.11
23.5	75,192	0	0.00000	1.00000	64.51
24.5	75,192	0	0.00000	1.00000	64.51
25.5	74,057	722	0.00975	0.99025	64.51
26.5	72,222	0	0.00000	1.00000	63.88



## American Water Works - Indiana

### Account 380.000 - Treatment and Disposal Equipment

Placement Band - 1964 - 2022    Experience Band - 1996 - 2022

27.5	57,579	0	0.00000	1.00000	63.88
28.5	57,579	0	0.00000	1.00000	63.88
29.5	57,579	0	0.00000	1.00000	63.88
30.5	57,579	0	0.00000	1.00000	63.88
31.5	57,579	0	0.00000	1.00000	63.88
32.5	57,579	0	0.00000	1.00000	63.88
33.5	57,579	833	0.01447	0.98553	63.88
34.5	56,746	560	0.00987	0.99013	62.96
35.5	56,186	0	0.00000	1.00000	62.34
36.5	43,712	145	0.00332	0.99668	62.34
37.5	43,567	0	0.00000	1.00000	62.13
38.5	43,567	0	0.00000	1.00000	62.13
39.5	43,567	277	0.00636	0.99364	62.13
40.5	42,733	0	0.00000	1.00000	61.73
41.5	42,733	660	0.01544	0.98456	61.73
42.5	42,073	0	0.00000	1.00000	60.78
43.5	42,073	0	0.00000	1.00000	60.78
44.5	42,073	237	0.00563	0.99437	60.78
45.5	41,837	2,930	0.07003	0.92997	60.44
46.5	38,907	0	0.00000	1.00000	56.21
47.5	38,907	0	0.00000	1.00000	56.21
48.5	38,907	889	0.02285	0.97715	56.21
49.5	38,018	955	0.02512	0.97488	54.93
50.5	37,063	9,978	0.26922	0.73078	53.55
51.5	27,085	0	0.00000	1.00000	39.13
52.5	27,085	0	0.00000	1.00000	39.13
53.5	27,085	0	0.00000	1.00000	39.13
54.5	26,776	0	0.00000	1.00000	39.13
55.5	26,776	0	0.00000	1.00000	39.13
56.5	26,776	0	0.00000	1.00000	39.13
57.5	26,776	0	0.00000	1.00000	39.13

## American Water Works - Indiana

### Account 380.000 - Treatment and Disposal Equipment

Placement Band - 1964 - 2022    Experience Band - 1996 - 2022

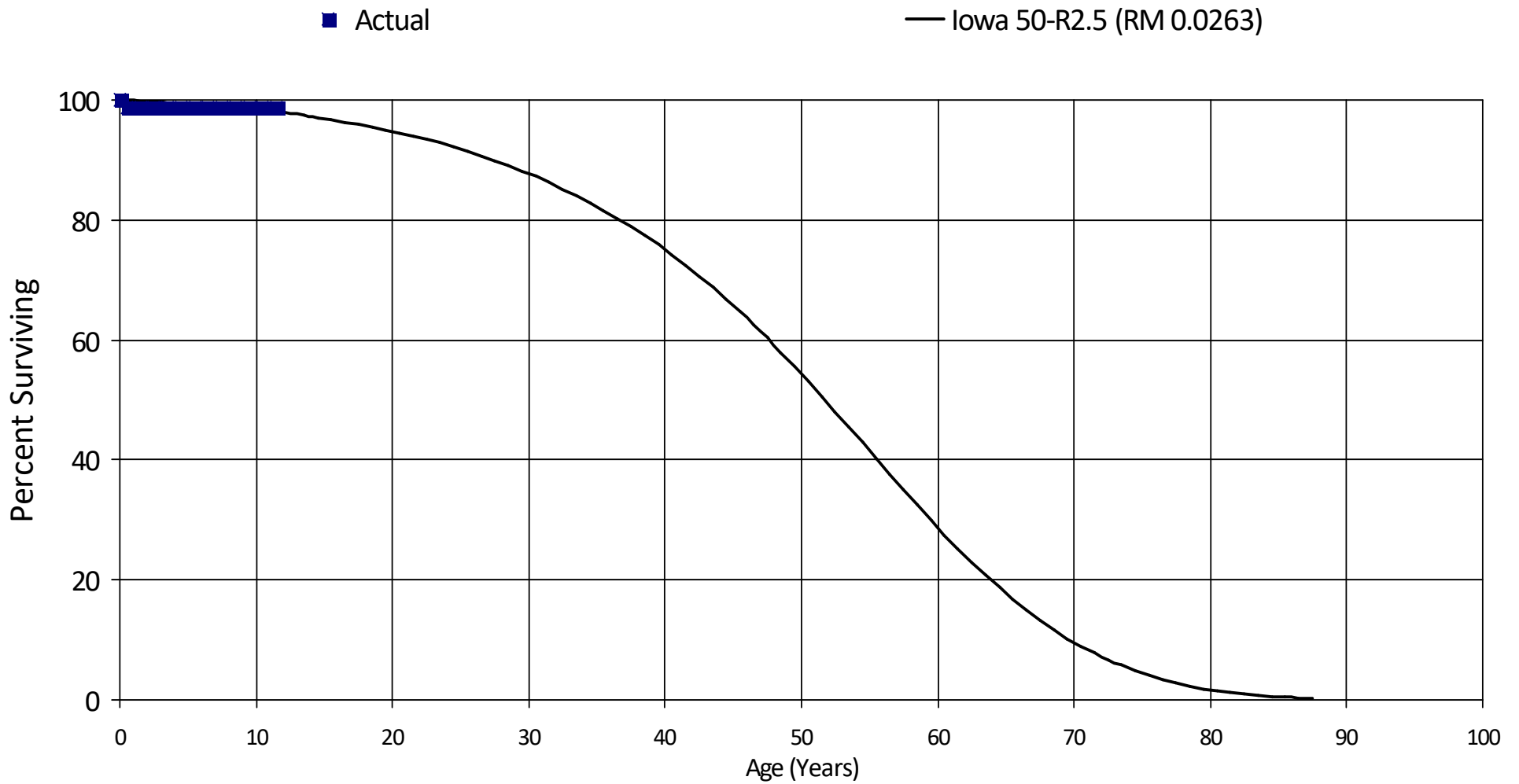
Totals:

# American Water Works - Indiana

## Account 381.000 - Plant Sewers

Placement Band - 2010 - 2022 Experience Band - 2022 - 2022

### Actual and Smooth Survivor Curves



# American Water Works - Indiana

## Account 381.000 - Plant Sewers

Placement Band - 2010 - 2022 Experience Band - 2022 - 2022

### RETIREMENT RATE ANALYSIS

Age at Begin of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retmt Ratio	Survivor Ratio	% Surviving
0	112,430	1,517	0.01349	0.98651	100.00
0.5	88,460	0	0.00000	1.00000	98.65
1.5	88,460	0	0.00000	1.00000	98.65
2.5	13,559	0	0.00000	1.00000	98.65
3.5	13,559	0	0.00000	1.00000	98.65
4.5	13,559	0	0.00000	1.00000	98.65
5.5	13,559	0	0.00000	1.00000	98.65
6.5	13,559	0	0.00000	1.00000	98.65
7.5	13,559	0	0.00000	1.00000	98.65
8.5	13,559	0	0.00000	1.00000	98.65
9.5	1,133	0	0.00000	1.00000	98.65
10.5	1,133	0	0.00000	1.00000	98.65
11.5	1,133	0	0.00000	1.00000	98.65
Totals:		1,517			



SECTION 7

**7 NET SALVAGE STUDY**

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**American Water Works Company - Indiana Wastewater  
ACCOUNTS 354.2 - 354.5 - Structures and Improvements  
SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2009	4,335		0		0	0	0						0
2010	23,246	107	0		0	(107)	0					-107	0
2011	2,344	124	5		0	(124)	-5	-77	-1			-116	-1
2012		4,500				(4,500)		-1,577	-18			-1,577	-16
2013	1,628	6,922	425		0	(6,922)	-425	-3,849	-291	-2,331	-37	-2,913	-37
2014		1,629				(1,629)		-4,350	-802	-2,656	-49	-2,656	-42
2015		1,775				(1,775)		-3,442	-634	-2,990	-376	-2,510	-48
2016	1,605		0		0	0	0	-1,135	-212	-2,965	-459	-2,510	-45
2017						0		-592	-111	-2,065	-319	-2,510	-45
2018						0		0	0	-681	-212	-2,510	-45
2019	6,247	15,594	250		0	(15,594)	-250	-5,198	-250	-3,474	-221	-4,379	-78
2020	11,053	12,159	110		0	(12,159)	-110	-9,251	-160	-5,551	-147	-5,351	-85
2021	90,464	42,502	47		0	(42,502)	-47	-23,418	-65	-14,051	-65	-9,479	-61
2022	42,300	3,586	8		0	(3,586)	-8	-19,416	-41	-14,768	-49	-8,890	-49
<b>TOTAL</b>	<b>183,220</b>	<b>88,898</b>	<b>48.52</b>	<b>0</b>	<b>0.00</b>	<b>-88,898</b>	<b>(48.52)</b>						

**American Water Works Company - Indiana Wastewater  
ACCOUNT 361.1 - Mains  
SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2006		18,350				(18,350)						-18,350	
2007	5,937		0		0	0	0					-18,350	-309
2008	12,292	50,824	413		0	(50,824)	-413	-23,058	-379			-34,587	-379
2009	7,202	10,800	150		0	(10,800)	-150	-20,541	-242			-26,658	-314
2010	6,602	23,257	352		0	(23,257)	-352	-28,294	-325	-20,646	-322	-25,808	-322
2011	8,124	38,868	478		0	(38,868)	-478	-24,308	-333	-24,750	-308	-28,420	-354
2012	11,926	76,640	643		0	(76,640)	-643	-46,255	-521	-40,078	-434	-36,457	-420
2013	4,187	52,218	1,247		0	(52,218)	-1,247	-55,909	-692	-40,357	-530	-38,708	-482
2014	2,213	352	16		0	(352)	-16	-43,070	-705	-38,267	-579	-33,914	-464
2015						0		-17,523	-821	-33,616	-635	-33,914	-464
2016	885		0		0	0	0	-117	-11	-25,842	-673	-33,914	-457
2017		1,613				(1,613)		-538	-182	-10,836	-744	-30,325	-460
2018						0		-538	-182	-393	-63	-30,325	-460
2019						0		-538	0	-323	-182	-30,325	-460
2020						0		0	0	-323	-182	-30,325	-460
2021	667	11,851	1,778		0	(11,851)	-1,778	-3,950	-1,778	-2,693	-2,020	-28,477	-474
2022	55,056	2,081	4		0.00	(2,081)	-4	-4,644	-25	-2,786	-25	-26,078	-249
<b>TOTAL</b>	<b>115,090</b>	<b>286,853</b>	<b>249.24</b>	<b>0</b>	<b>0.00</b>	<b>-286,853</b>	<b>(249.24)</b>						

**American Water Works Company - Indiana Wastewater**  
**ACCOUNT 363 - Services**  
**SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2010		1,033.17				(1,033)						-1,033	0
2011						0						-1,033	0
2012						0		-344	0			-1,033	0
2013		105.69				(106)		-35	0			-569	0
2014		2,748.50				(2,749)		-951	0	-777	0	-1,296	0
2015						0		-951	0	-571	0	-1,296	0
2016						0		-916	0	-571	0	-1,296	0
2017						0		0	0	-571	0	-1,296	0
2018						0		0	0	-550	0	-1,296	0
2019						0		0	0	0	0	-1,296	0
2020						0		0	0	0	0	-1,296	0
2021	2794.13	36,386	1,302		0.00	(36,386)	-1,302	-12,129	-1,302	-7,277	-1,302	-10,068	-1,441
2022	3545.48	49,435	1,394		0.00	(49,435)	-1,394	-28,607	-1,354	-17,164	-1,354	-17,942	-1,415
<b>TOTAL</b>	<b>6,340</b>	<b>89,708</b>	<b>1415.04</b>	<b>0</b>	<b>0.00</b>	<b>-89,708</b>	<b>(1415.04)</b>						



**American Water Works Company - Indiana Wastewater  
ACCOUNT 371.1 - Electric Pumping Equipment  
SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2007	322.79					0							0
2008						0							0
2009						0		0	0				0
2010						0		0	0				0
2011						0		0	0	0	0		0
2012						0		0	0	0	0		0
2013						0		0	0	0	0		0
2014						0		0	0	0	0		0
2015		60				(60)		-20	0	-12	0	-60	-19
2016						0		-20	0	-12	0	-60	-19
2017						0		-20	0	-12	0	-60	-19
2018						0		0	0	-12	0	-60	-19
2019		2,339				(2,339)		-780	0	-480	0	-1,199	-743
2020	3,419	6,336				(6,336)		-2,892	-254	-1,735	-254	-2,912	-233
2021		17,752				(17,752)		-8,809	-773	-5,285	-773	-6,622	-708
2022	21,354	323	2		0	(323)	-2	-8,137	-99	-5,350	-108	-5,362	-107
<b>TOTAL</b>	<b>25,095</b>	<b>26,810</b>	<b>106.83</b>	<b>0</b>	<b>0.00</b>	<b>-26,810</b>	<b>(106.83)</b>						

**American Water Works Company - Indiana Wastewater  
ACCOUNT 380.000 - Treatment and Disposal Equipment  
SUMMARY OF BOOK SALVAGE**

Year	Regular Retirements	Cost of Removal Amount	Cost of Removal Percent	Gross Salvage Amount	Gross Salvage Percent	Net Salvage Amount	Net Salvage Percent	3-Year Amount	3-Year Percent	5-Year Amount	5-Year Percent	Historical Amount	Historical Percent
2006		10,144				(10,144)						-10,144	
2007		609				(609)						-5,377	
2008						0		-3,584	0			-5,377	
2009	237		0		0	0	0	-3,584	-4,537			-5,377	-4,537
2010	18,695	19,225	103		0	(19,225)	-103	-9,993	-158	-5,996	-158	-9,993	-158
2011	6,771	9,628	142		0	(9,628)	-142	-13,202	-154	-5,892	-115	-9,902	-154
2012						0		-9,618	-113	-5,771	-112	-9,902	-154
2013	889	(151)	(17)		0	151	17	-3,159	-124	-5,740	-108	-7,891	-148
2014	1,659		0		0	0	0	50	6	-5,740	-102	-7,891	-140
2015	1,882	1,445	77		0	(1,445)	-77	-431	-29	-2,184	-98	-6,817	-136
2016	12,267		0		0	0	0	-482	-9	-259	-8	-6,817	-96
2017						0		-482	-10	-259	-8	-6,817	-96
2018		4,900				(4,900)		-1,633	-40	-1,269	-40	-6,543	-108
2019						0		-1,633	0	-1,269	-45	-6,543	-108
2020	7,975	10,856	136		0	(10,856)	-136	-5,252	-198	-3,151	-78	-7,082	-112
2021	8,096	239	3		0	(239)	-3	-3,698	-69	-3,199	-100	-6,322	-97
2022	409	18,792	4,596		0	(18,792)	-4,596	-9,962	-181	-6,958	-211	-7,569	-129
<b>TOTAL</b>	<b>58,880</b>	<b>75,688</b>	<b>128.55</b>	<b>0</b>	<b>0.00</b>	<b>-75,688</b>	<b>(128.55)</b>						



SECTION 8

**8 DETAILED DEPRECIATION CALCULATIONS**

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# American Water Works - Indiana

Account #: 354.200 - Collection

Attachment LEK-3  
 ALG - Remaining Life Page 66 of 106  
 Survivor Curve: R2  
 ASL: 50  
 Net Salvage: -30%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1989	6,014.34	4,181	-601	-0.0768	8,419	23.26	362	33.5
1998	100,987.00	53,570	-7,696	-0.0586	138,979	29.60	4,696	24.5
2006	90,747.70	33,483	-4,810	-0.0408	122,782	35.81	3,429	16.5
2007	140,887.65	49,014	-7,041	-0.0384	190,195	36.62	5,194	15.5
2009	129,147.31	39,416	-5,662	-0.0337	173,554	38.26	4,536	13.5
2010	2,480.64	703	-101	-0.0313	3,326	39.09	85	12.5
2013	12,934.50	2,816	-405	-0.0241	17,219	41.63	414	9.5
2016	5,774.24	868	-125	-0.0166	7,631	44.22	173	6.5
2019	31,879.54	2,605	-374	-0.0090	41,818	46.86	892	3.5
2020	68,279.28	3,997	-574	-0.0065	89,337	47.75	1,871	2.5
2021	287,906.40	10,139	-1,457	-0.0039	375,735	48.65	7,724	1.5
2022	56,647.25	667	-96	-0.0013	73,737	49.55	1,488	0.5
<b>TOTAL</b>	<b>933,685.85</b>	<b>201,461</b>	<b>-28,941</b>		<b>1,242,733</b>		<b>30,864</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	3.31%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	-0.03
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	9.68
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	41.70

# American Water Works - Indiana

Account #: 354.400 - Treatment

Attachment LEK-3  
 ALG - Remaining Life Page 67 of 106  
 Survivor Curve: R3  
 ASL: 50  
 Net Salvage: -30%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1970	603,102.03	643,278	42,394	0.0541	741,639	8.98	82,622	52.5
1985	29,590.84	25,099	1,654	0.0430	36,814	17.38	2,119	37.5
1989	44,089.98	34,134	2,250	0.0392	55,067	20.22	2,723	33.5
1992	3,029.78	2,167	143	0.0363	3,796	22.49	169	30.5
1995	2,302.60	1,505	99	0.0331	2,894	24.85	116	27.5
1997	461,903.05	282,430	18,613	0.0310	581,861	26.48	21,971	25.5
2009	2,557.53	863	57	0.0171	3,268	37.03	88	13.5
2010	9,084.88	2,844	187	0.0159	11,623	37.96	306	12.5
2012	6,742.90	1,782	117	0.0134	8,648	39.84	217	10.5
2014	4,338.69	932	61	0.0109	5,579	41.74	134	8.5
2019	117,473.08	10,483	691	0.0045	152,024	46.57	3,265	3.5
2021	1,343,631.82	51,530	3,396	0.0019	1,743,325	48.52	35,926	1.5
<b>TOTAL</b>	<b>2,627,847.18</b>	<b>1,057,049</b>	<b>69,662</b>		<b>3,346,539</b>		<b>149,656</b>	

COMPOSITE ANNUAL ACCRUAL RATE	5.70%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.03
COMPOSITE AVERAGE AGE (YEARS)	18.60
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	34.53

# American Water Works - Indiana

Account #: 354.500 - General

Attachment LEK-3  
 ALG - Remaining Life  
 Page 66 of 106  
 Survivor Curve: R3  
 ASL: 50  
 Net Salvage: -30%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2009	72,903.43	24,586	15,962	0.1684	78,813	37.03	2,128	13.5
2011	14,805.13	4,275	2,775	0.1442	16,471	38.89	423	11.5
2013	7,392.06	1,771	1,150	0.1197	8,460	40.78	207	9.5
2014	26,107.57	5,609	3,641	0.1073	30,298	41.74	726	8.5
2021	18,488.09	709	460	0.0192	23,574	48.52	486	1.5
2022	19,286.98	247	160	0.0064	24,913	49.51	503	0.5
<b>TOTAL</b>	<b>158,983.26</b>	<b>37,197</b>	<b>24,149</b>		<b>182,529</b>		<b>4,473</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	2.81%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.15
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	9.33
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	41.00

# American Water Works - Indiana

Account #: 355.400 - Power Generation Equipment - Treatment

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-3  
 ALG - Remaining Life Page 69 of 106  
 Survivor Curve: S2.5  
 ASL: 35  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1970	49,032.00	44,432	-3,763	-0.0767	52,795	3.28	16,077	52.5
2007	12,025.45	5,157	-437	-0.0363	12,462	19.99	623	15.5
2010	1,685.75	592	-50	-0.0297	1,736	22.71	76	12.5
2022	26,723.92	381	-32	-0.0012	26,756	34.50	776	0.5
<b>TOTAL</b>	<b>89,467.12</b>	<b>50,562</b>	<b>-4,282</b>		<b>93,749</b>		<b>17,552</b>	

COMPOSITE ANNUAL ACCRUAL RATE 19.62%

THEORETICAL ACCUMULATED DEPRECIATION FACTOR -0.05

COMPOSITE AVERAGE AGE (YEARS) 31.24

DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS) 15.22

# American Water Works - Indiana

Account #: 355.500 - Power Generation Equipment - RWTP

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2007	40,292.35	17,279	24,915	0.6184	15,377	19.99	769	15.5
2019	5,523.18	552	796	0.1441	4,727	31.50	150	3.5
2020	1,529.85	109	158	0.1030	1,372	32.50	42	2.5
2022	99,457.73	1,419	2,046	0.0206	97,412	34.50	2,823	0.5
<b>TOTAL</b>	<b>146,803.11</b>	<b>19,359</b>	<b>27,914</b>		<b>118,889</b>		<b>3,784</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	2.58%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.19
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	4.75
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	30.38



# American Water Works - Indiana

Account #: 361.100 - Mains

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-3  
ALG - Remaining Life Page 71 of 106  
Survivor Curve: R4  
ASL: 60  
Net Salvage: -75%  
Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1945	216.00	358	78	0.2067	300	3.16	95	77.5
1964	35,275.74	51,943	11,316	0.1833	50,416	9.51	5,299	58.5
1966	9.69	14	3	0.1793	14	10.58	1	56.5
1969	2,261.68	3,142	684	0.1729	3,273	12.37	265	53.5
1970	297,542.27	407,774	88,838	0.1706	431,861	13.01	33,189	52.5
1972	52,708.83	70,195	15,293	0.1658	76,948	14.34	5,366	50.5
1974	255.70	330	72	0.1608	376	15.72	24	48.5
1975	10,233.00	13,006	2,834	0.1582	15,074	16.42	918	47.5
1979	33,393.00	39,575	8,622	0.1475	49,816	19.37	2,572	43.5
1985	1,057,734.00	1,105,762	240,902	0.1301	1,610,132	24.16	66,651	37.5
1986	38,294.53	39,095	8,517	0.1271	58,498	25.00	2,340	36.5
1988	88,907.00	86,316	18,805	0.1209	136,782	26.71	5,120	34.5
1989	185,445.03	175,316	38,195	0.1177	286,334	27.59	10,379	33.5
1990	85,844.00	78,942	17,198	0.1145	133,029	28.47	4,672	32.5
1992	66,323.85	57,517	12,531	0.1080	103,536	30.27	3,421	30.5
1995	95,765.00	75,344	16,414	0.0979	151,174	33.03	4,578	27.5
1996	117,816.57	89,482	19,495	0.0946	186,684	33.96	5,497	26.5
1997	135,567.78	99,242	21,621	0.0911	215,623	34.90	6,178	25.5
1998	28,857.47	20,328	4,429	0.0877	46,072	35.85	1,285	24.5
1999	136,786.72	92,552	20,163	0.0842	219,213	36.80	5,957	23.5
2000	267,531.12	173,535	37,807	0.0808	430,373	37.76	11,397	22.5
2001	4,013.43	2,491	543	0.0773	6,481	38.72	167	21.5
2002	255,801.02	151,521	33,011	0.0737	414,641	39.69	10,447	20.5
2004	26,191.96	14,027	3,056	0.0667	42,780	41.64	1,027	18.5
2005	10,269.18	5,207	1,134	0.0631	16,837	42.62	395	17.5
2006	535,877.58	256,363	55,851	0.0596	881,934	43.60	20,229	16.5
2007	324,220.22	145,803	31,765	0.0560	535,621	44.58	12,014	15.5
2008	52,674.82	22,173	4,831	0.0524	87,350	45.57	1,917	14.5

# American Water Works - Indiana

Account #: 361.100 - Mains

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-3  
ALG - Remaining Life Page 72 of 106  
Survivor Curve: R4  
ASL: 60  
Net Salvage: -75%  
Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2009	258,803.14	101,481	22,109	0.0488	430,797	46.56	9,253	13.5
2010	729,181.42	264,872	57,705	0.0452	1,218,362	47.55	25,625	12.5
2011	77,916.88	26,050	5,675	0.0416	130,679	48.54	2,692	11.5
2012	86,924.65	26,544	5,783	0.0380	146,335	49.53	2,954	10.5
2013	67,783.94	18,734	4,081	0.0344	114,540	50.52	2,267	9.5
2016	7,593.76	1,437	313	0.0236	12,976	53.51	242	6.5
2017	72,152.33	11,556	2,518	0.0199	123,749	54.51	2,270	5.5
2021	132,467.76	5,789	1,261	0.0054	230,557	58.50	3,941	1.5
2022	250,079.98	3,642	793	0.0018	436,847	59.50	7,342	0.5
<b>TOTAL</b>	<b>5,628,721.05</b>	<b>3,737,457</b>	<b>814,246</b>		<b>9,036,016</b>		<b>277,986</b>	

COMPOSITE ANNUAL ACCRUAL RATE	4.94%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.14
COMPOSITE AVERAGE AGE (YEARS)	23.66
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	37.23

# American Water Works - Indiana

Account #: 363.000 - Services

Attachment LEK-3  
 ALG - Remaining Life Page 73 of 106  
 Survivor Curve: R3  
 ASL: 55  
 Net Salvage: -25%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1950	7,080.00	8,028	-568	-0.0642	9,418	5.11	1,844	72.5
1970	8,495.00	8,238	-583	-0.0549	11,202	12.33	909	52.5
1985	192,260.00	145,204	-10,274	-0.0428	250,599	21.77	11,512	37.5
1989	8,932.25	6,136	-434	-0.0389	11,599	24.78	468	33.5
1990	65,101.00	43,569	-3,083	-0.0379	84,459	25.55	3,305	32.5
1995	5,163.00	2,982	-211	-0.0327	6,665	29.59	225	27.5
1999	4,519.00	2,262	-160	-0.0283	5,809	32.98	176	23.5
2006	83,944.00	30,121	-2,131	-0.0203	107,061	39.21	2,730	16.5
2007	56,432.00	19,070	-1,349	-0.0191	71,889	40.13	1,791	15.5
2010	132,966.04	36,490	-2,582	-0.0155	168,789	42.93	3,932	12.5
2014	7,735.17	1,455	-103	-0.0106	9,772	46.72	209	8.5
2021	123,980.11	4,157	-294	-0.0019	155,269	53.52	2,901	1.5
2022	194,713.53	2,178	-154	-0.0006	243,546	54.51	4,468	0.5
<b>TOTAL</b>	<b>891,321.10</b>	<b>309,889</b>	<b>-21,927</b>		<b>1,136,078</b>		<b>34,470</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	3.87%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	-0.02
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	16.94
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	39.70

# American Water Works - Indiana

Account #: 364.000 - Meters

Attachment LEK-3  
 ALG - Remaining Life Page 74 of 106  
 Survivor Curve: R4  
 ASL: 20  
 Net Salvage: 0%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1972	2,291.16	2,291	2,291	1.0000	0		0	50.5
1985	3,476.00	3,476	3,476	1.0000	0		0	37.5
1997	19,814.59	18,639	19,815	1.0000	0	1.19	0	25.5
2005	16,567.45	12,969	16,567	1.0000	0	4.34	0	17.5
2006	1,854.29	1,390	1,854	1.0000	0	5.01	0	16.5
2007	19,396.55	13,852	19,397	1.0000	0	5.72	0	15.5
<b>TOTAL</b>	<b>63,400.04</b>	<b>52,617</b>	<b>63,400</b>		<b>0</b>		<b>0</b>	

COMPOSITE ANNUAL ACCRUAL RATE	0.00%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	1.00
COMPOSITE AVERAGE AGE (YEARS)	21.65
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	3.40

# American Water Works - Indiana

Account #: 371.100 - Electric Pumping Equipment

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2006	17,355.57	11,425	-5,205	-0.2726	24,296	10.04	2,420	16.5
2013	143.07	59	-27	-0.1697	184	15.69	12	9.5
2014	25,299.45	9,326	-4,248	-0.1527	32,078	16.62	1,930	8.5
2019	37,332.68	5,745	-2,617	-0.0637	43,683	21.50	2,031	3.5
2020	45,276.37	4,979	-2,268	-0.0455	52,072	22.50	2,314	2.5
2021	79,129.05	5,222	-2,379	-0.0273	89,421	23.50	3,805	1.5
2022	3,159.08	70	-32	-0.0091	3,507	24.50	143	0.5
<b>TOTAL</b>	<b>207,695.27</b>	<b>36,825</b>	<b>-16,776</b>		<b>245,240</b>		<b>12,655</b>	

COMPOSITE ANNUAL ACCRUAL RATE	6.09%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	-0.08
COMPOSITE AVERAGE AGE (YEARS)	4.17
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	20.97

# American Water Works - Indiana

Account #: 371.200 - Other Pumping Equipment

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-3  
 ALG - Remaining Life  
 Page 76 of 106  
 Survivor Curve: R3  
 ASL: 35  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2007	68.01	28	44	0.6411	24	20.52	1	15.5
2008	1,098.45	428	661	0.6013	438	21.38	20	14.5
<b>TOTAL</b>	<b>1,166.46</b>	<b>456</b>	<b>704</b>		<b>462</b>		<b>21</b>	

COMPOSITE ANNUAL ACCRUAL RATE	1.80%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.60
COMPOSITE AVERAGE AGE (YEARS)	14.56
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	21.33

# American Water Works - Indiana

Account #: 371.300 - Miscellaneous Pumping Equipment

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-3  
 ALG - Remaining Life Page 77 of 106  
 Survivor Curve: R3  
 ASL: 35  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2011	2,471.64	774	931	0.3769	1,540	24.04	64	11.5
2012	5,539.18	1,590	1,914	0.3455	3,625	24.95	145	10.5
2013	573.61	150	180	0.3138	394	25.87	15	9.5
2022	8,437.06	119	143	0.0169	8,294	34.51	240	0.5
<b>TOTAL</b>	17,021.49	2,632	3,168		13,853		464	

COMPOSITE ANNUAL ACCRUAL RATE	2.73%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.19
COMPOSITE AVERAGE AGE (YEARS)	5.65
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	29.59

# American Water Works - Indiana

Account #: 380.450 - Treatment and Disposal Equipment - Other Sewer Remaining

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-3  
 ALG - Remaining Life Page 78 of 106  
 Survivor Curve: L2  
 ASL: 30  
 Net Salvage: -20%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
1964	26,776.25	26,812	8,562	0.2665	23,570	4.97	4,746	58.5
1968	308.84	299	95	0.2576	275	5.80	47	54.5
1982	557.34	466	149	0.2225	520	9.10	57	40.5
1986	12,473.72	9,928	3,170	0.2118	11,798	10.10	1,168	36.5
1995	14,643.61	10,374	3,313	0.1885	14,260	12.29	1,160	27.5
1996	1,113.00	777	248	0.1858	1,087	12.54	87	26.5
1997	1,134.33	780	249	0.1830	1,112	12.81	87	25.5
1999	897.25	597	191	0.1770	886	13.37	66	23.5
2000	5,798.97	3,784	1,208	0.1737	5,750	13.69	420	22.5
2013	481.91	171	54	0.0942	524	21.15	25	9.5
<b>TOTAL</b>	<b>64,185.22</b>	<b>53,988</b>	<b>17,240</b>		<b>59,782</b>		<b>7,863</b>	

COMPOSITE ANNUAL ACCRUAL RATE	12.25%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	0.27
COMPOSITE AVERAGE AGE (YEARS)	41.73
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	8.97



# American Water Works - Indiana

Account #: 380.500 - Treatment and Disposal Equipment - Treatment Pit

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-3  
 ALG - Remaining Life Page 79 of 106  
 Survivor Curve: L2  
 ASL: 30  
 Net Salvage: -20%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2011	155.67	65	116	0.6195	71	19.54	4	11.5
2014	93,139.65	29,814	52,959	0.4738	58,809	22.00	2,673	8.5
2019	1,512.70	209	371	0.2044	1,444	26.55	54	3.5
2020	412.42	41	73	0.1469	422	27.52	15	2.5
2021	8,023,590.54	480,028	852,685	0.0886	8,775,624	28.50	307,870	1.5
<b>TOTAL</b>	<b>8,118,810.98</b>	<b>510,157</b>	<b>906,203</b>		<b>8,836,370</b>		<b>310,616</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	3.83%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.11
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	1.58
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	28.43

# American Water Works - Indiana

Account #: 380.600 - Treatment and Disposal Equipment - Other Disposal

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-3  
 ALG - Remaining Life  
 Page 80 of 106  
 Survivor Curve: L2  
 ASL: 30  
 Net Salvage: -20%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2013	8,436.40	2,985	-1,640	-0.1620	11,764	21.15	556	9.5
2019	22,397.17	3,093	-1,700	-0.0632	28,576	26.55	1,076	3.5
<b>TOTAL</b>	<b>30,833.57</b>	<b>6,078</b>	<b>-3,340</b>		<b>40,340</b>		<b>1,632</b>	

COMPOSITE ANNUAL ACCRUAL RATE	5.29%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	-0.11
COMPOSITE AVERAGE AGE (YEARS)	5.14
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	25.07

# American Water Works - Indiana

Account #: 380.625 - Treatment and Disposal Equipment - General Treatment

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-3  
 ALG - Remaining Life Page 81 of 106  
 Survivor Curve: L2  
 ASL: 30  
 Net Salvage: -20%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2008	1,426.33	719	-515	-0.3010	2,227	17.40	128	14.5
2015	2,088.35	596	-427	-0.1705	2,933	22.86	128	7.5
2016	2,937.60	734	-526	-0.1492	4,051	23.75	171	6.5
2018	46,002.75	8,106	-5,809	-0.1052	61,012	25.59	2,384	4.5
2021	2,663.82	159	-114	-0.0357	3,311	28.50	116	1.5
2022	85,661.80	1,712	-1,227	-0.0119	104,021	29.50	3,526	0.5
<b>TOTAL</b>	<b>140,780.65</b>	<b>12,027</b>	<b>-8,619</b>		<b>177,556</b>		<b>6,453</b>	

COMPOSITE ANNUAL ACCRUAL RATE	4.58%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	-0.06
COMPOSITE AVERAGE AGE (YEARS)	2.20
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	27.86

# American Water Works - Indiana

Account #: 381.000 - Plant Sewers

Attachment LEK-3  
 ALG - Remaining Life Page 82 of 106  
 Survivor Curve: R2.5  
 ASL: 50  
 Net Salvage: 0%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2010	1,133.45	260	-143	-0.1265	1,277	38.52	33	12.5
2013	12,425.05	2,187	-1,205	-0.0970	13,630	41.20	331	9.5
2020	74,901.69	3,526	-1,943	-0.0259	76,845	47.65	1,613	2.5
2022	22,452.89	212	-117	-0.0052	22,570	49.53	456	0.5
<b>TOTAL</b>	<b>110,913.08</b>	<b>6,186</b>	<b>-3,408</b>		<b>114,321</b>		<b>2,433</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	2.19%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	-0.03
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	2.98
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	47.21

# American Water Works - Indiana

Account #: 394.000 - Laboratory Equipment

Attachment LEK-3  
 ALG - Remaining Life  
 Page 83 of 106  
 Survivor Curve: SQ  
 ASL: 15  
 Net Salvage: 0%  
 Truncation Year:

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2019	5,496.28	1,282	-1,059	-0.1927	6,555	11.50	570	3.5
2020	5,777.20	963	-795	-0.1376	6,572	12.50	526	2.5
2021	5,135.34	514	-424	-0.0826	5,559	13.50	412	1.5
2022	20,473.31	682	-564	-0.0275	21,037	14.50	1,451	0.5
<b>TOTAL</b>	<b>36,882.13</b>	<b>3,441</b>	<b>-2,842</b>		<b>39,724</b>		<b>2,959</b>	

COMPOSITE ANNUAL ACCRUAL RATE	8.02%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	-0.08
COMPOSITE AVERAGE AGE (YEARS)	1.40
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	13.60

# American Water Works - Indiana

Account #: 396.000 - Communication Equipment

## CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF December 31, 2022

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2018	9,852.27	2,956	2,265	0.2299	7,587	10.50	723	4.5
2019	1,827.13	426	327	0.1788	1,500	11.50	130	3.5
2020	63,677.78	10,613	8,133	0.1277	55,545	12.50	4,444	2.5
2021	29,361.38	2,936	2,250	0.0766	27,111	13.50	2,008	1.5
<b>TOTAL</b>	<b>104,718.56</b>	<b>16,931</b>	<b>12,974</b>		<b>91,745</b>		<b>7,305</b>	

<b>COMPOSITE ANNUAL ACCRUAL RATE</b>	6.98%
<b>THEORETICAL ACCUMULATED DEPRECIATION FACTOR</b>	0.12
<b>COMPOSITE AVERAGE AGE (YEARS)</b>	2.43
<b>DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)</b>	12.57

# American Water Works - Indiana

Account #: 397.000 - Miscellaneous Equipment

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION  
 BASED ON ORIGINAL COST AS OF December 31, 2022

Attachment LEK-3  
 ALG - Remaining Life Page 85 of 106  
 Survivor Curve: SQ  
 ASL: 20  
 Net Salvage: 0%  
 Truncation Year:

Year	Original Cost	Calculated Accumulated Depreciation	Allocated Actual Booked Amount	Accumulated Depreciation Factor	Net Book Value	ALG Remaining Life	Annual Accrual	Average Age
2005	14,831.40	12,977	-3,752	-0.2530	18,583	2.50	7,433	17.5
2010	2,523.57	1,577	-456	-0.1807	2,980	7.50	397	12.5
2019	7,816.47	1,368	-395	-0.0506	8,212	16.50	498	3.5
2021	9,228.83	692	-200	-0.0217	9,429	18.50	510	1.5
2022	13,331.17	333	-96	-0.0072	13,428	19.50	689	0.5
<b>TOTAL</b>	<b>47,731.44</b>	<b>16,948</b>	<b>-4,900</b>		<b>52,631</b>		<b>9,527</b>	

COMPOSITE ANNUAL ACCRUAL RATE	19.96%
THEORETICAL ACCUMULATED DEPRECIATION FACTOR	-0.10
COMPOSITE AVERAGE AGE (YEARS)	7.10
DIRECTED WEIGHTED ALG COMPOSITE REMAINING LIFE (YEARS)	12.90



## SECTION 9

## 9 ESTIMATION OF SURVIVOR CURVES

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### 9.1 Average Service Life

All assets have a service life, which is defined as “the period of time from its installation until it is retired from service”<sup>3</sup>. All account groups of property are made up of various assets with differing service lives and investment values. To calculate a depreciation rate, one must first calculate an average life for all assets in a single account. This can be done by ascertaining the age at retirement for every asset in an account and plotting it as a percentage of the units surviving at each age interval (a “Survivor Curve”). From the average life for each account, remaining lives can then be found which are then used to calculate the annual depreciation accruals and ultimately depreciation rate. A discussion of the general concept of survivor curves is presented and the Iowa type survivor curves are reviewed.

### 9.2 Survivor Curves

A survivor curve is defined as “a graph of the percent of units remaining in service expressed as a function of age”<sup>4</sup>. To calculate the average life of the group, the remaining life expectancy, the probable life and the frequency curve, one must first create a survivor curve. Figure 1 shows a typical 40-R4 smoothed survivor curve as well as the accompanying derived curves. The type 40-R4 refers to the Iowa type curve, whose designation will be explained in further detail in the next section

To calculate the average service life, one must calculate the area under the survivor curve and divide by the percent surviving at age zero. The remaining life is equal to the area under the survivor curve and to the right of the current age, divided by the percent surviving at the current age. In Figure 1, for example, the hatched area to the right of age 45 divided by 28.9 percent surviving balance represents the remaining life for an asset that has reached that age. The probable life is “the total life expectancy of the property surviving at any age and is equal to the remaining life plus the current age.”<sup>5</sup> 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 is calculated by taking the difference between the percent surviving on successive years on the survivor curve<sup>6</sup>. Alternatively, frequency can be empirically determined by finding the amount of retirements at any given age. Plotting retirement frequency from the youngest to oldest ages and then taking the cumulative frequencies will generate percent surviving versus age.

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<sup>3</sup> Wolf, Frank K. and W. Chester Fitch, *Depreciation Systems* (Iowa State University Press, 1994), 21.

<sup>4</sup> *Ibid*, 23.

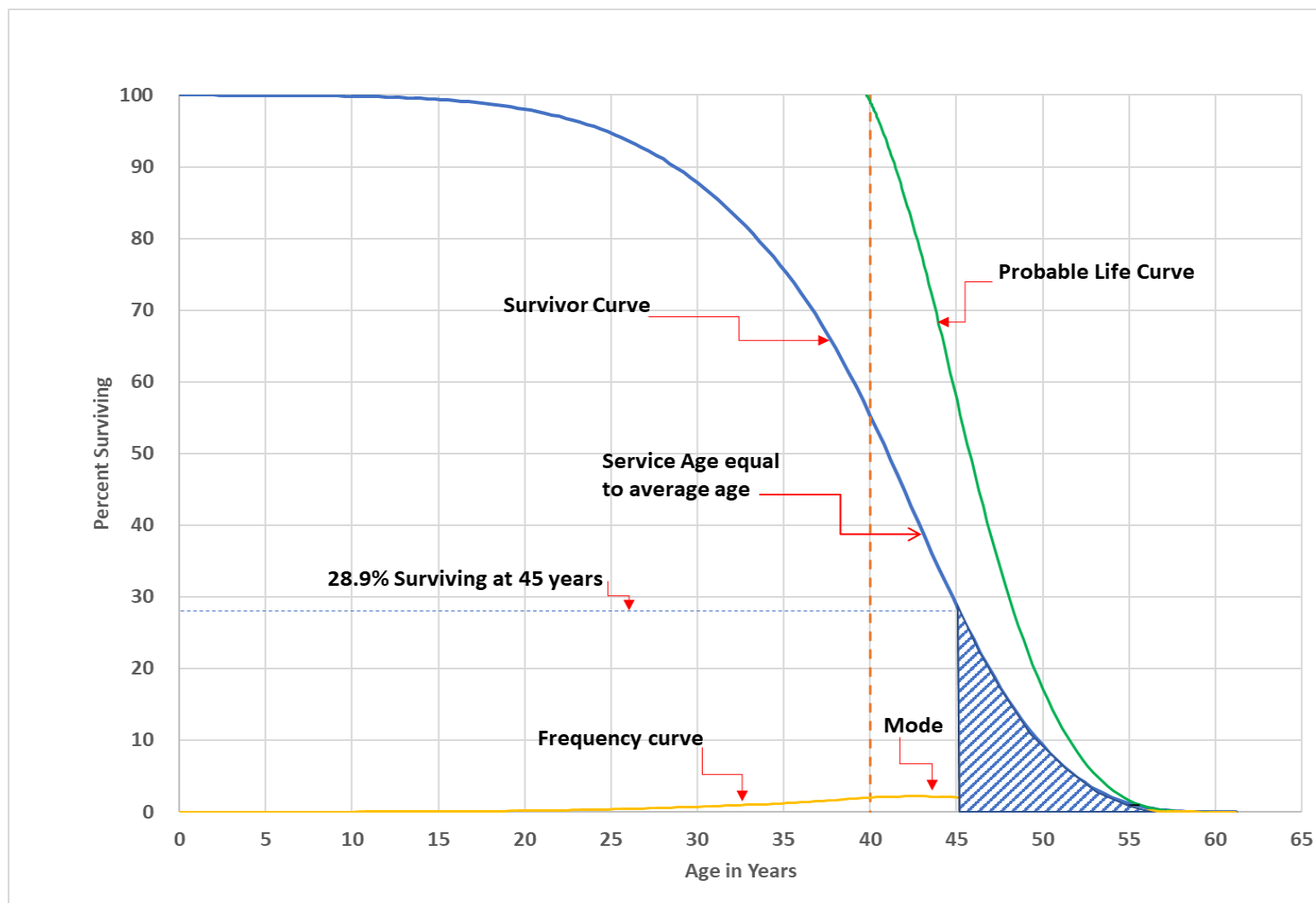
<sup>5</sup> *Ibid*, 29.

<sup>6</sup> *Ibid*, 23-24.





Figure 1: Typical Survivor Curve (40-R4) and Derived Curves





### 9.3 Iowa Type Curves

In 1931, Robley Winfrey and Edwin Kurtz of the Engineering Research Institute at Iowa State University published Bulletin 103, which laid the groundwork for what would eventually be known as the Iowa Curves. “The 13 type curves can be used as valuable aids in forecasting the probable future service lives of individual items and of groups of items of different kinds of physical equipment”<sup>7</sup>. The 13 curves described in Bulletin 103 eventually became a series of 22 generalized survivor curves which are used throughout the regulated utility industry. These 22 curves were described in Bulletin 125, published in 1967 by Harold A. Cowles, which became known as the Iowa curves.

The Iowa curves are organized with three variables: the average life of the plant; the location of the mode; and the variation of the life. All Iowa curves have both a letter and a number to represent the shape and height of the mode. The L curves, or left-moded curves, are used when the mode of the curve should be to the left of the average life. There are six L curves are presented in Figure 2. The R curves, or right-moded, are used when the mode of the curve should be to the right of the average life. There are five R curves, which are presented in Figure 3. The S curves, or symmetrically-moded, are used when the mode is equal to the average life. There are seven S curves, which are presented in Figure 4. The O curves, or origin curves, are used when the mode occurs at age 0. There are four O curves, which are presented in Figure 5. There are some occasions where it is appropriate to use a half curve. In these cases, the curve is assumed to be exactly half way between the two curves.

In addition to Bulletin 125, Iowa curves have also been presented in subsequent Experiment Station bulletins and in the text *Engineering Valuation and Depreciation*<sup>8</sup>. In 1957, Frank V. B. Couch, Jr., an Iowa State College graduate student, submitted a thesis<sup>9</sup> presenting his development of the fourth family consisting of the four O-type survivor curves.

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<sup>7</sup> *Ibid*, 21

<sup>8</sup> Marston, Anson, Robley Winfrey and Jean C. Hempstead, *Engineering Valuation and Depreciation* (The Iowa State University Press, 1953)

<sup>9</sup> Couch, Frank V. B., Jr., *Classification of Type O Retirement Characteristics of Industrial Property* Unpublished M.S. Thesis (Engineering Valuation, Library, Iowa State College, Ames, Iowa, 1957)



Figure 2: Left Modal or “L” Iowa Type Survivor Curves

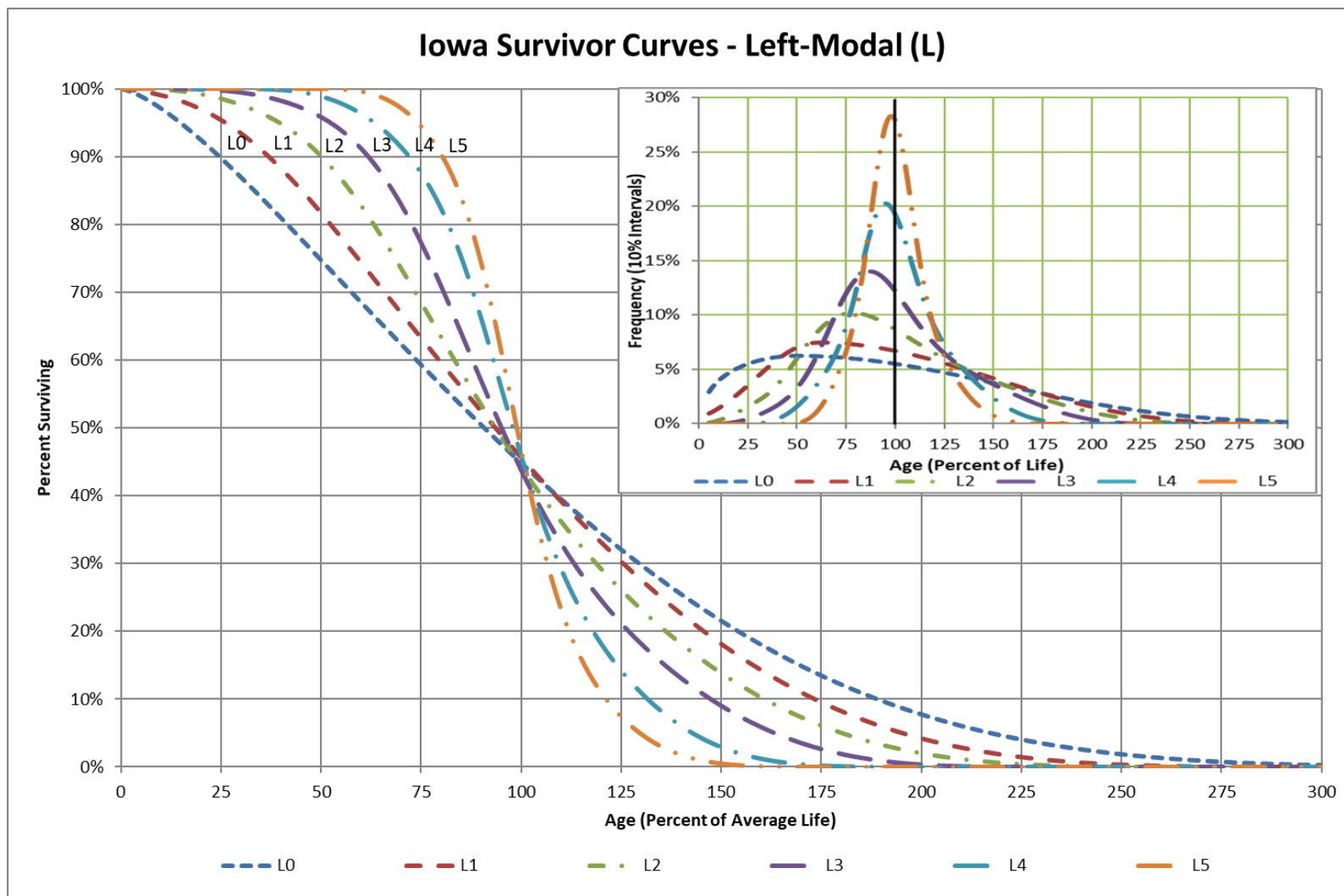




Figure 3: Right Modal or “R” Iowa Type Survivor Curves

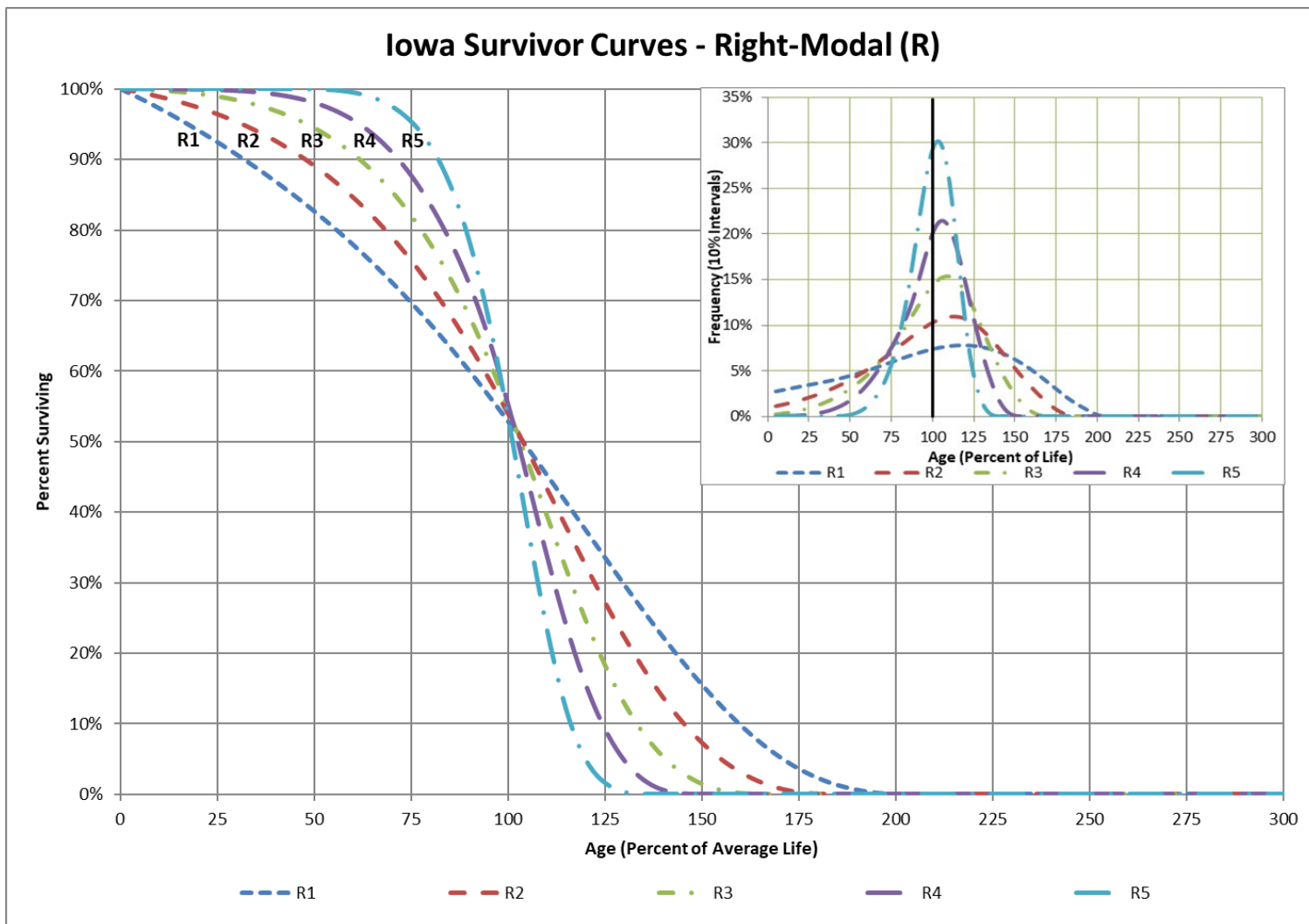




Figure 4: Symmetrical or “S” Iowa Type Survivor Curves

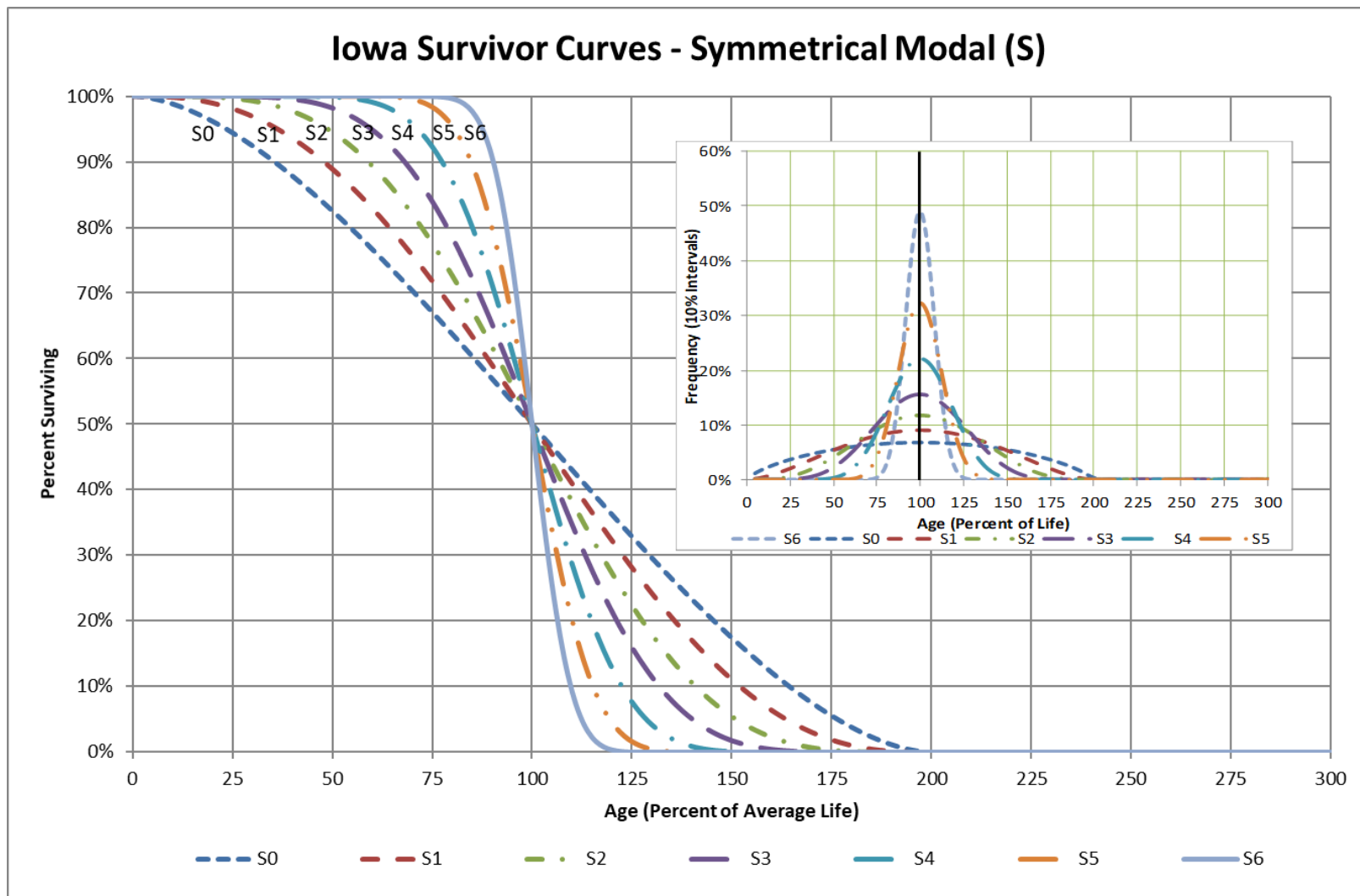
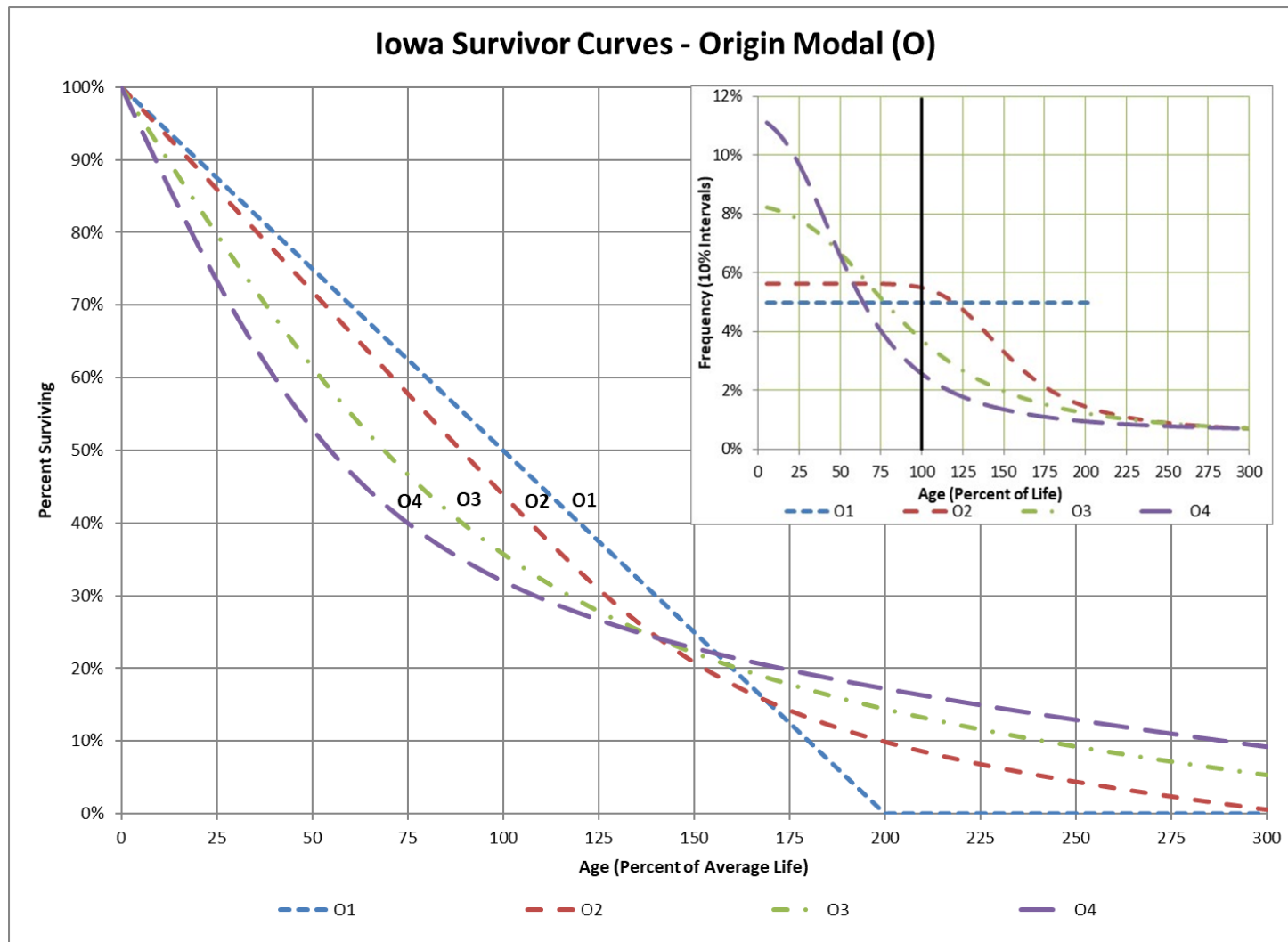




Figure 5: Origin Modal or “O” Iowa Type Survivor Curves





## 9.4 Retirement Rate Method of Analysis

The retirement rate method is a widely accepted actuarial method used to create survivor curves. This method is also referred to as an original life table. These survivor curves can then be used to determine the average service life of a plant account. The retirement rate method is thoroughly explained in several publications, including Statistical Analyses of Industrial Property Retirements,<sup>10</sup> Engineering Valuation and Depreciation<sup>11</sup> and Depreciation Systems.<sup>12</sup>

The retirement rate method is a subgroup of the placement and the experience band methods, as described in “Depreciation Systems”. The placement band method creates a survivor curve which describes the life characteristics of assets placed into service during a selected timeframe. The experience band method creates a survivor curve which describes the life characteristics of assets removed from service during a selected time frame. The retirement rate method creates both placement and experience bands to give the most complete or representative data. 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.

## 9.5 Schedules of Annual Transactions in Plant Records

The property group used to illustrate the retirement rate method is observed for the experience band 2008-2017 during which there were placements during the years 2003-2017. In order to illustrate the summation of the aged data by age interval, the data was compiled in the manner presented in Schedules 1 and 2. In Schedule 1 (page 9-10), 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 asset invested in 2003 were retired in 2008. The \$10,000 retirement occurred during the age interval between 4 ½ and 5 ½ years (2008 - 2003) on the basis that approximately one-half of the amount of property was installed prior to and after 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 2008 retirements of 2003 installations and ending with the 2016 retirements of the 2011 installations. Thus, the total amount of \$143,000 for age interval 4½-5½ equals the sum of:

$$\$10 + \$12 + \$13 + \$11 + \$13 + \$13 + \$15 + \$17 + \$19 + \$20 = \$143 \text{ k}$$

<sup>10</sup> Anson, Winfrey & Hempstead, supra note 6

<sup>11</sup> Anson, Winfrey & Hempstead, supra note 6

<sup>12</sup> Wolf & Fitch, supra note 1



Other transactions which affect the group are recorded in a similar manner in Schedule 2 (page 9-11). 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 1. Retirements for each year 2008-2017 – summarized by age interval

Experience Band 2008-2017

Placement Band 2003-2017

Year Placed (1)	Retirements (Thousands of Dollars) Annual Survivors at the Beginning of the Year													Total Durring Age Interval (12)	Age Interval (13)
	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)					
2003	10	11	12	13	14	16	23	24	25	26	26	26	26	26	13½-14½
2004	11	12	13	15	16	18	20	21	22	19	19	19	19	44	12½-13½
2005	11	12	13	14	16	17	19	21	22	18	18	18	64	64	11½-12½
2006	8	9	10	11	11	13	14	15	16	17	17	17	83	83	10½-11½
2007	9	10	11	12	13	14	16	17	19	20	20	20	93	93	9½-10½
2008	4	9	10	11	12	13	14	15	16	20	20	20	105	105	8½-9½
2009		5	11	12	13	14	15	16	18	20	20	20	113	113	7½-8½
2010			6	12	13	15	16	17	19	19	19	19	124	124	6½-7½
2011				6	13	15	16	17	19	19	19	19	131	131	5½-6½
2012					7	14	16	17	19	20	20	20	143	143	4½-5½
2013						8	18	20	22	23	23	23	146	146	3½-4½
2014							9	20	22	25	25	25	150	150	2½-3½
2015								11	23	25	25	25	151	151	1½-2½
2016									11	24	24	24	153	153	½-1½
2017										13	13	13	80	80	0-½
<b>Total</b>	<b>53</b>	<b>68</b>	<b>86</b>	<b>106</b>	<b>128</b>	<b>157</b>	<b>196</b>	<b>231</b>	<b>273</b>	<b>308</b>	<b>308</b>	<b>308</b>	<b>1,606</b>	<b>1,606</b>	



Schedule 2. Other Transactions for Each year 2008-2017 – summarized by age interval

Experience Band 2008-2017

Placement Band 2003-2017

**Acquisitions, Transfers and Sales (Thousands of Dollars)  
Annual Survivors at the Beginning of the Year**

Year Placed (1)	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)	Total During Age Interval (12)	Age Interval (13)
2003	-	-	-	-	-	-	60 <sup>a</sup>	-	-	-	-	13½-14½
2004	-	-	-	-	-	-	-	-	-	-	-	12½-13½
2005	-	-	-	-	-	-	-	-	-	-	-	11½-12½
2006	-	-	-	-	-	-	-	(5) <sup>b</sup>	-	-	60	10½-11½
2007	-	-	-	-	-	-	-	6 <sup>a</sup>	-	-	-	9½-10½
2008	-	-	-	-	-	-	-	-	-	-	(5)	8½-9½
2009	-	-	-	-	-	-	-	-	-	-	-	7½-8½
2010	-	-	-	-	-	-	-	-	-	-	-	6½-7½
2011	-	-	-	-	-	-	-	(12) <sup>b</sup>	-	-	-	5½-6½
2012	-	-	-	-	-	-	-	-	22 <sup>a</sup>	-	-	4½-5½
2013	-	-	-	-	-	-	-	(19) <sup>b</sup>	-	-	10	3½-4½
2014	-	-	-	-	-	-	-	-	-	-	-	2½-3½
2015	-	-	-	-	-	-	-	-	(102) <sup>c</sup>	-	(121)	1½-2½
2016	-	-	-	-	-	-	-	-	-	-	-	½-1½
2017	-	-	-	-	-	-	-	-	-	-	-	0-½
<b>Total</b>	-	-	-	-	-	-	<b>60</b>	<b>(30)</b>	<b>22</b>	<b>(102)</b>	<b>(50)</b>	

<sup>a</sup> Transfer Affecting Exposures at Beginning of Year

<sup>b</sup> Transfer Affecting Exposures at End of Year

<sup>c</sup> Sale with Continued Use

Parentheses denote Credit amount.



## 9.6 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 (page 9-13). The surviving plant at the beginning of each year from 2007 through 2016 is recorded by year in the portion of the table titled "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 2013 are calculated in the following manner:

Exposures at age 0	=	amount of addition	=	\$750,000
Exposures at age ½	=	\$750,000 - \$ 8,000	=	\$742,000
Exposures at age 1½	=	\$742,000 - \$18,000	=	\$724,000
Exposures at age 2½	=	\$724,000 - \$20,000 - \$19,000	=	\$685,000
Exposures at age 3½	=	\$685,000 - \$22,000	=	\$663,000

For the entire experience band 2008-2018, the total exposures at the beginning of an age interval are obtained by summing diagonally in a manner similar to the summing of the retirements during an age interval (Schedule 1). For example, the figure of 3,789, shown as the total exposures at the beginning of age interval 4½-5½, is obtained by summing:

$$\$255 + \$268 + \$ 284 + \$311 + \$334 + \$374 + \$405 + \$448 + \$501 + \$609 = \$3,789k$$



Schedule 3 – Plant exposed to retirement at the beginning of each year, 2008 -2017 – summarized by age interval

Experience Band 2008 - 2017

Placement Band 2003-2017

**Exposures (Thousands of Dollars)  
Annual Survivors at the Beginning of the Year**

Year Placed (1)	Exposures (Thousands of Dollars)										Total at Beginning of Age Interval (12)	Age Interval (13)
	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)		
2003	255	245	234	222	209	195	239	216	192	167	167	13½-14½
2004	279	268	256	243	228	212	194	174	153	131	323	12½-13½
2005	307	296	284	271	257	241	224	205	184	162	531	11½-12½
2006	338	330	321	311	300	289	276	262	242	226	823	10½-11½
2007	376	367	257	346	334	321	307	267	280	261	1,097	9½-10½
2008	420 <sup>o</sup>	416	407	397	386	374	361	347	332	316	1,503	8½-9½
2009		460 <sup>o</sup>	455	444	432	419	405	390	374	356	1,952	7½-8½
2010			510 <sup>o</sup>	504	492	479	464	448	431	412	2,463	6½-7½
2011				580 <sup>o</sup>	574	561	546	530	501	482	3,057	5½-6½
2012					660 <sup>o</sup>	653	639	623	628	609	3,789	4½-5½
2013						750 <sup>o</sup>	742	724	685	663	4,332	3½-4½
2014							850 <sup>o</sup>	841	821	799	4,955	2½-3½
2015								960 <sup>o</sup>	949	923	5,719	1½-2½
2016									1,080 <sup>o</sup>	1,069	6,579	½-1½
2017										1,220 <sup>o</sup>	7,490	0-½
<b>Total</b>	<b>1,975</b>	<b>2,382</b>	<b>2,724</b>	<b>3,318</b>	<b>3,872</b>	<b>4,494</b>	<b>5,247</b>	<b>5,987</b>	<b>6,852</b>	<b>7,796</b>	<b>44,780</b>	

<sup>o</sup> Additions during the year.

1555	1922	2214	2738	3212	3744	4397	5027	5772	6576	44780
420	460	510	580	660	750	850	960	1080	1220	0
1975	2382	2724	3318	3872	4494	5247	5987	6852	7796	44780



## 9.7 Original Life Tables

The original life table, illustrated in Schedule 4 (page 9-15) 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 percent at age zero and successively multiplying the percent surviving at the beginning of each interval by the survivor ratio, i.e., one minus the retirement ratio for that age interval. The calculations necessary to determine the percent surviving at age 5½ are as follows:

Percent surviving at age 4½	=	88.15	
Exposures at age 4½	=	\$3,789,000	
Retirements from age 4½ to 5½	=	\$143,000	
Retirement Ratio	=	$\$143,000 \div \$3,789,000$	= 0.0377
Survivor Ratio	=	$1.000 - 0.0377$	= 0.9623
Percent surviving at age 5½	=	$(88.15) \times (0.9623)$	= 84.83

The totals of the exposures and retirements (columns 2 and 3) are shown for the purpose of checking with the respective totals in Schedules 1 and 3. The ratio of the total retirements to the total exposures, other than for each age interval, is meaningless. 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.



Schedule 4: Original Life Table - Calculated by the Retirement Rate Method

Experience Band 2008-2017			Placement Band 2003-2017		
Age at Beginning of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retirement Ratio	Survivor Ratio	% Surviving at Beginning of Age Interval
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	55.6
12.5	323	44	0.1362	0.8638	48.9
13.5	167	26	0.1557	0.8443	42.24
<b>Total</b>	<b>44,780</b>	<b>1,606</b>			<b>35.66</b>

- Exposure and Retirement Amounts are in Thousands of Dollars
- 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.



## 9.8 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 percent 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 percentages 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 a L1 Iowa Type Curve Original and Smooth Survivor Curves

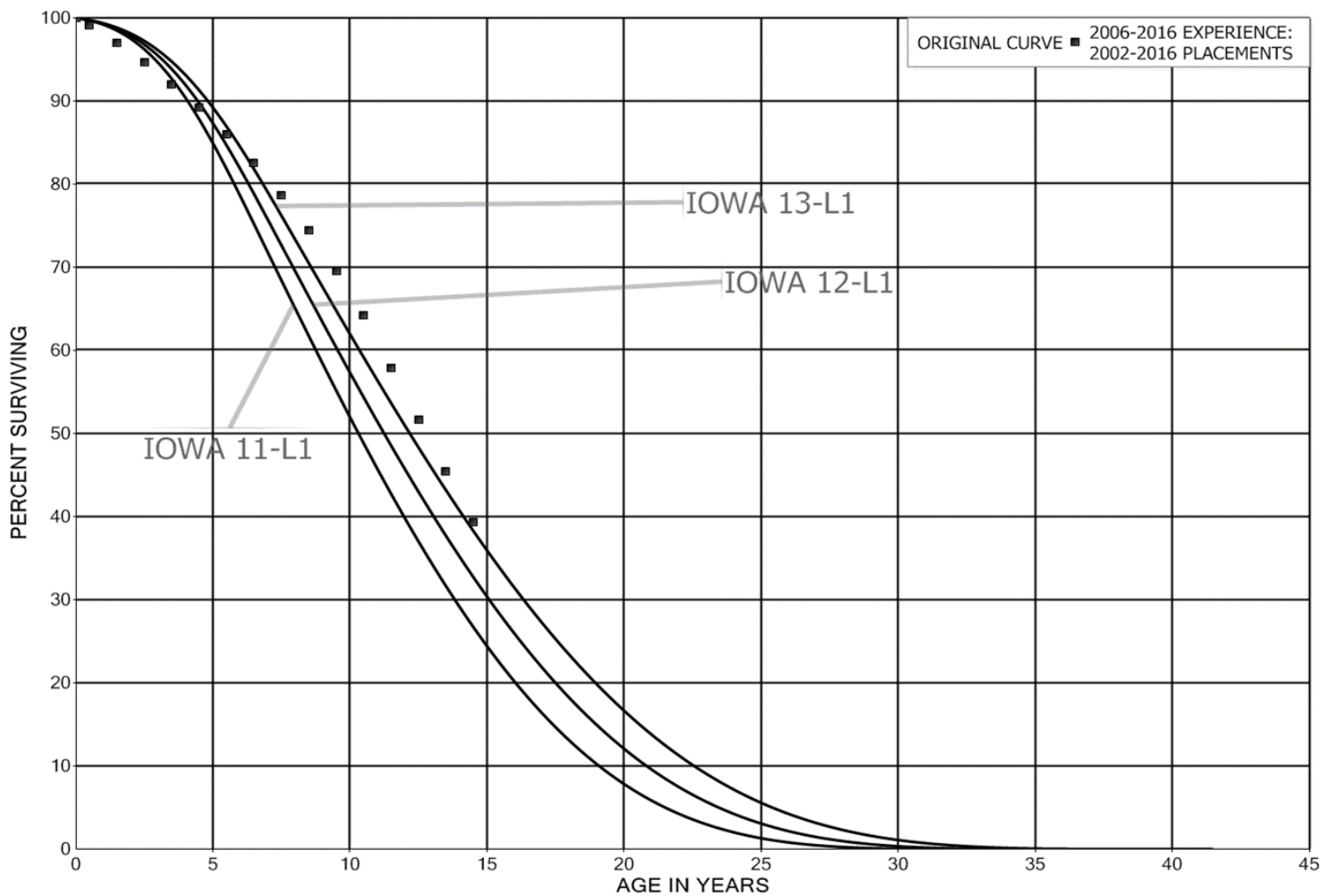






Figure 7: Illustration of the Matching of an Original Survivor Curve with a SO Iowa Type Curve Original and Smooth Survivor Curves

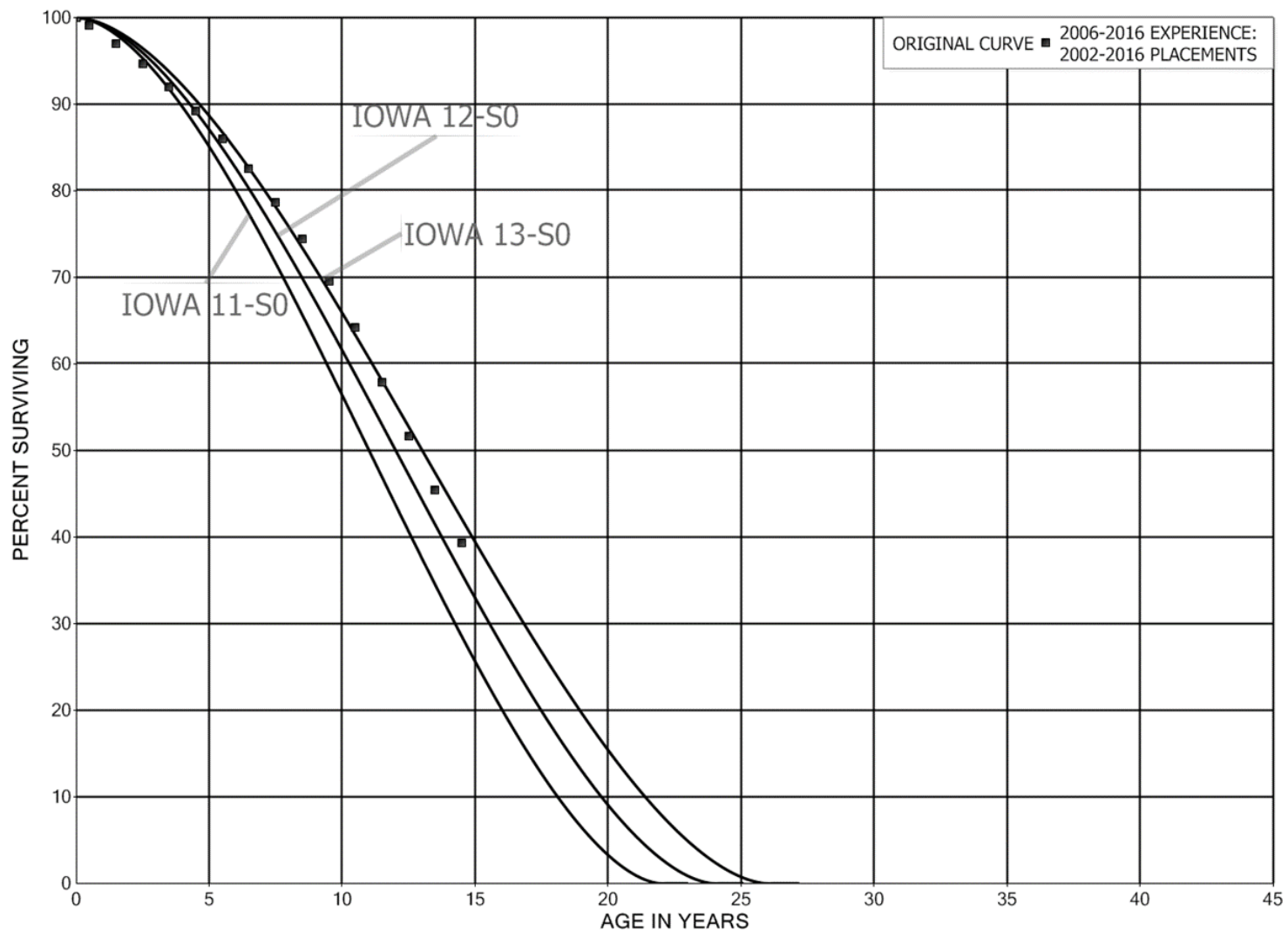




Figure 8: Illustration of the Matching of an Original Survivor Curve with a R1 Iowa Type Curve Original and Smooth Survivor Curves

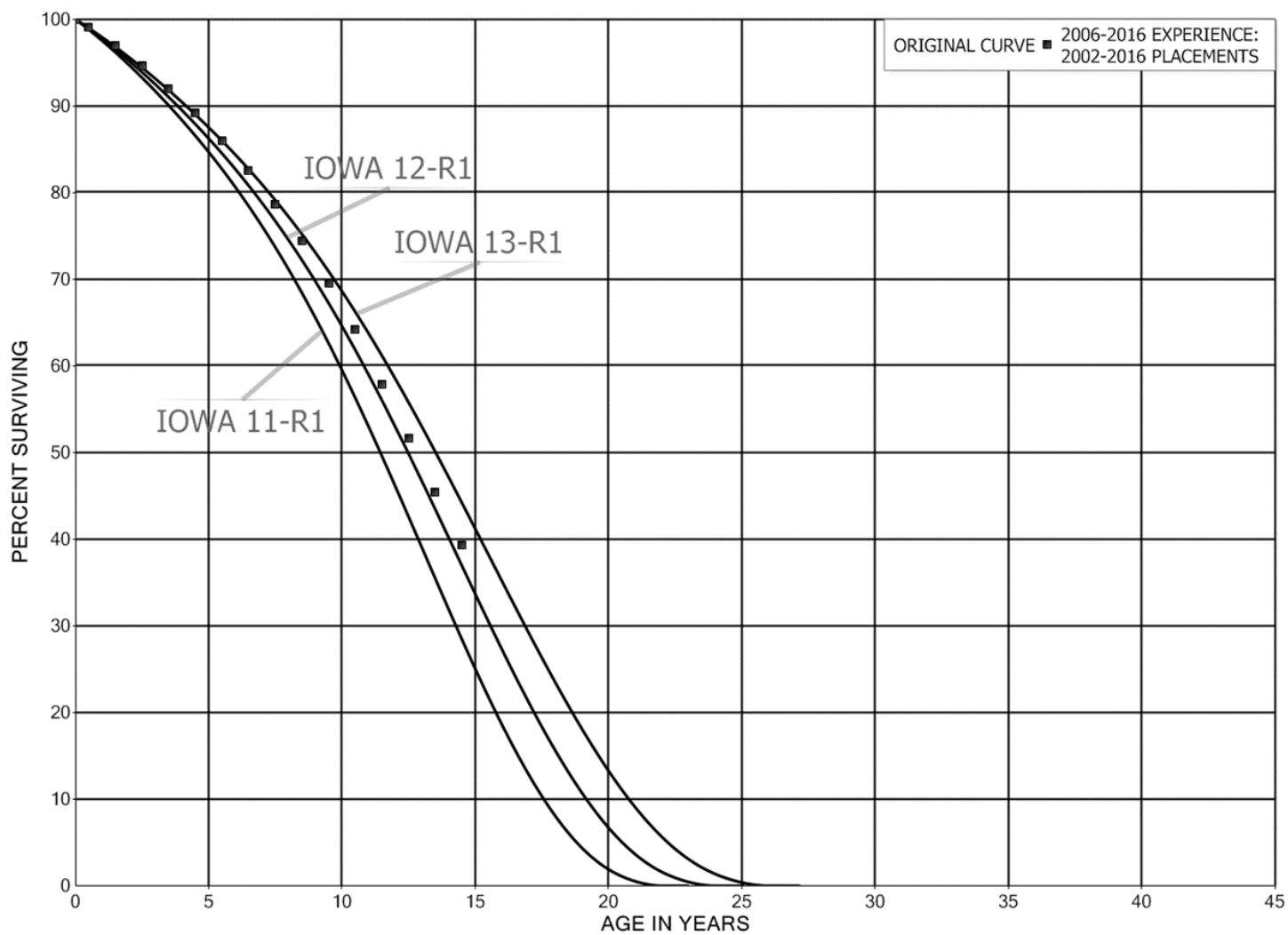
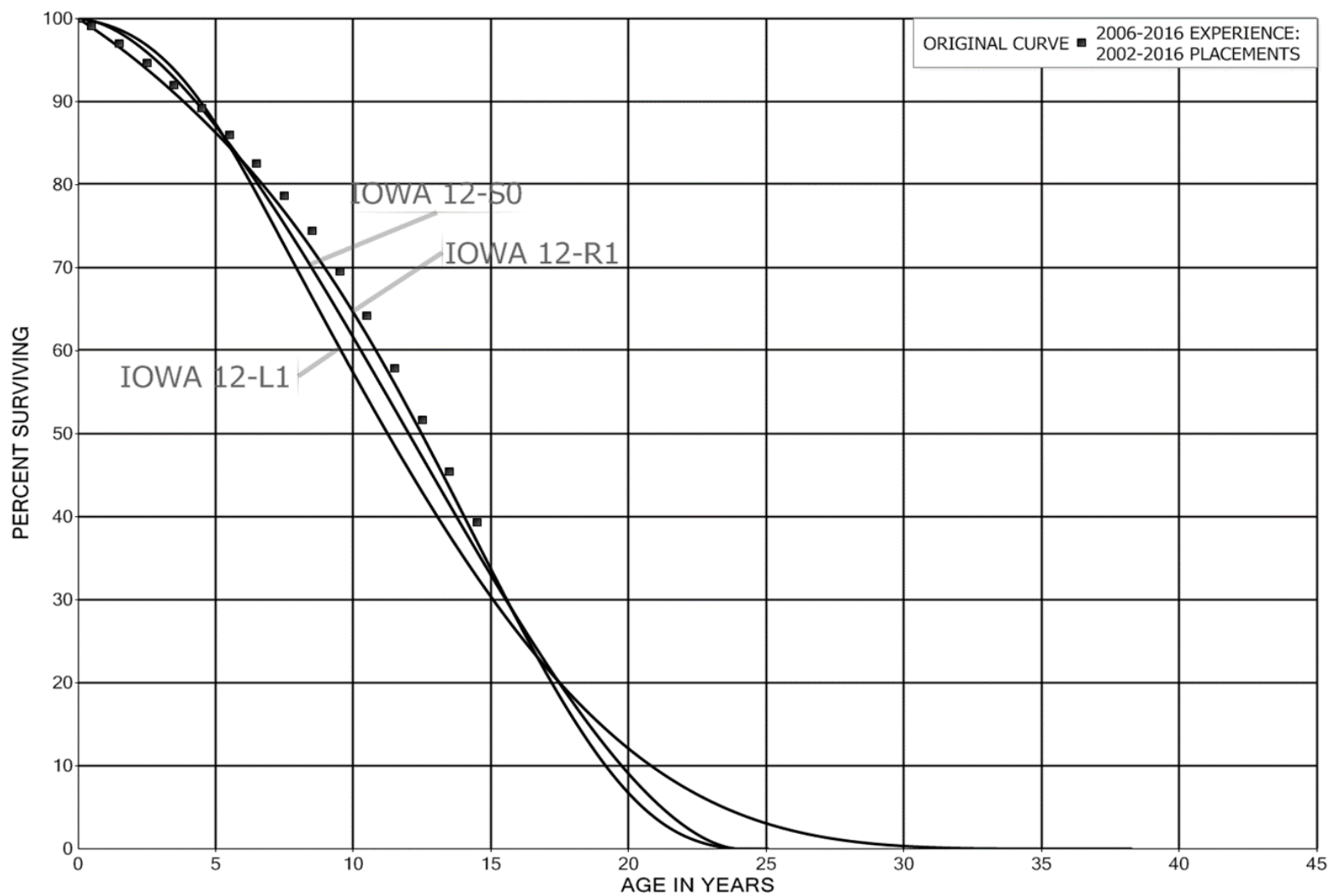




Figure 9: Illustration of the Matching of an Original Survivor Curve with a L1 Iowa Type Curve Original and Smooth Survivor Curves





## SECTION 10

### **10 ESTIMATION OF NET SALVAGE**

The estimates of net salvage were based primarily on the professional judgment of Concentric, based in part on historical data, and in part through a comparison to peer companies. The analysis of historic net salvage activity considered gross salvage and cost of removal as recorded to the depreciation reserve account Net salvages as a percentage of the cost of plant retired are calculated for each plant component on both annual and three-year moving average bases.

The net salvage percentages estimated is usually determined using the “Traditional Approach” for net salvage estimation. When a utility retires plant, the plant may be: (1) sold to a third party; (2) reused by the utility for additional service; (3) abandoned in place; or (4) physically removed. In the circumstances where the plant is sold or re-used, a salvage proceeds (or positive salvage amount) is normally recognized. In circumstances where the plant is abandoned in place or physically removed, a cost of removal expenditure (or negative salvage) is incurred. The net of these estimated gross salvage proceeds and the estimated costs of removal are expressed as a percentage of the account’s original cost to determine a net salvage percentage. In the circumstances where the salvage proceeds exceed the costs of retirement, a net positive salvage percentage exists. In the circumstances where the costs of removal exceed the salvage proceeds, a net negative salvage as a percentage of the original cost is the result.

The estimation of the net salvage as a percentage of original cost as developed using the traditional approach, includes the following five steps.

1. The annual retirement, gross salvage and cost of removal transactions for the period of analysis is extracted from the plant accounting systems.
2. A net salvage amount (gross salvage proceeds less cost of retirement) is calculated for each historic year. Additionally, a net salvage amount is also calculated for each historic three-year rolling band and the most recent five-year rolling band.
3. The net salvage amount determined above is compared to the original booked costs retired for each period in the manner described, which results in a net salvage percentage of original costs retired for each year, in addition to three-year rolling bands and the most recent five-year rolling band. The annual, the three-year rolling average, and the most recent five-year rolling average net salvage percentages are analyzed to determine a reasonable estimated net salvage percentage. At this point the net salvage percentage is based purely upon statistical analysis.
4. Each account is then compared to the net salvage percentage currently approved, compared to peer companies, and discussed with company engineering staff. Based on the statistical analysis, the review of current and peer company net salvage percentages, and with the professional judgment of Concentric, a net salvage percentage is determined for each account.
5. The net salvage percentage is then used in the depreciation rate calculations in the technical update or report.