

1 **DIRECT TESTIMONY AND EXHIBITS OF**
2 **DAVID J. GARRETT**
3 **ON BEHALF OF**
4 **THE SOUTH CAROLINA OFFICE OF REGULATORY STAFF**
5 **DOCKET NO. 2020-125-E**
6 **IN RE: APPLICATION OF DOMINION ENERGY SOUTH CAROLINA FOR**
7 **ADJUSTMENT OF RATES AND CHARGES**

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1 **I. INTRODUCTION**

2 **Q. STATE YOUR NAME AND OCCUPATION.**

3 **A.** My name is David J. Garrett. I am a consultant specializing in public utility regulation. I
4 am the managing member of Resolve Utility Consulting, PLLC. I focus my practice on
5 the primary capital recovery mechanisms for public utility companies: cost of capital and
6 depreciation.

7 **Q. SUMMARIZE YOUR EDUCATIONAL BACKGROUND AND PROFESSIONAL**
8 **EXPERIENCE.**

9 **A.** I received a B.B.A. degree with a major in Finance, an M.B.A. degree, and a Juris Doctor
10 degree from the University of Oklahoma. I worked in private legal practice for several
11 years before accepting a position as assistant general counsel at the Oklahoma Corporation
12 Commission in 2011, where I worked in the Office of General Counsel in regulatory
13 proceedings. In 2012, I began working for the Public Utility Division as a regulatory
14 analyst providing testimony in regulatory proceedings. In 2016, I formed Resolve Utility
15 Consulting, PLLC, where I have represented various consumer groups and state agencies
16 in utility regulatory proceedings, primarily in the areas of cost of capital and depreciation.
17 I am a Certified Depreciation Professional with the Society of Depreciation Professionals.
18 I am also a Certified Rate of Return Analyst with the Society of Utility and Regulatory
19 Financial Analysts. A more complete description of my qualifications and regulatory
20 experience is included in my curriculum vitae.¹

¹ Exhibit DJG-1.

1 **Q. ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS PROCEEDING?**

2 **A.** I am testifying on behalf of the South Carolina Office of Regulatory Staff (“ORS”).

3 **Q. DESCRIBE THE SCOPE AND ORGANIZATION OF YOUR TESTIMONY.**

4 **A.** My direct testimony addresses the depreciation study of Dominion Energy South Carolina,
5 Inc. (“DESC” or the “Company”). The Company’s proposed depreciation rates are
6 presented in the depreciation study, which is sponsored by Company witness John J.
7 Spanos and discussed in his direct testimony.

8 **II. EXECUTIVE SUMMARY**

9 **Q. SUMMARIZE THE KEY POINTS OF YOUR TESTIMONY.**

10 **A.** In the context of utility ratemaking, “depreciation” refers to a cost allocation system
11 designed to measure the rate by which a utility may recover its capital investments in a
12 systematic and rational manner. I employed a depreciation system using actuarial plant
13 analysis to statistically analyze the Company’s depreciable assets and develop reasonable
14 depreciation rates and annual accruals. In this case, Mr. Spanos conducted the depreciation
15 study on DESC’s plant assets as of December 31, 2018. The following table summarizes
16 the impact of ORS’s recommended depreciation rates on the annual depreciation accrual
17 as of the depreciation study date.²

² See also Exhibits DJG-2.

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Figure 1:
Summary Depreciation Accrual Impact

Plant Function	Plant Balance 12/31/2018	DESC Proposed Accrual	ORS Proposed Accrual	ORS Accrual Adjustment
Steam Production	\$ 1,998,579,163	\$ 69,425,001	\$ 59,619,090	\$ (9,805,911)
Nuclear Production	1,345,228,656	26,007,226	26,006,180	(1,046)
Hydraulic Production	626,949,096	5,351,761	5,156,283	(195,478)
Other Production	954,468,363	25,164,575	22,389,035	(2,775,540)
Transmission	1,649,657,193	46,145,995	41,734,983	(4,411,012)
Distribution	3,336,931,308	82,911,649	79,940,414	(2,971,235)
General	147,608,161	4,823,729	4,829,611	5,882
Common	198,650,987	5,570,341	5,571,289	948
Total Plant Studied	\$ 10,258,072,927	\$ 265,400,277	\$ 245,246,886	\$ (20,153,391)

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As shown in the table, the depreciation rates I propose would result in an adjustment reducing the Company's proposed depreciation accrual by approximately \$20.2 million when applied to plant balances as of December 31, 2018. ORS's proposed depreciation expense adjustment is presented in the direct testimony of ORS witness Lane Kollen.

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Q. SUMMARIZE THE PRIMARY FACTORS DRIVING THE ORS'S ADJUSTMENT TO DEPRECIATION.

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A. My proposed depreciation adjustments are driven by two primary factors: (1) adjusting the weighting of interim retirements and terminal net salvage rate for DESC's production plant accounts; and (2) adjusting the service lives for several of DESC's transmission and distribution accounts. The impact of these two issues to the depreciation accrual adjustment are summarized in the table below.

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Figure 2:
Summary Accrual Impact by Issue

Interim Retirement Weighting and Terminal Net Salvage Adjustments	\$12.8 million
Mass Property Service Life Adjustments	\$7.4 million
Total	\$20.2 million

In this case, Mr. Spanos applied interim net salvage rates to the entire amount of projected retirements for production plant assets, rather than weighting the retirements between interim and terminal requirements and applying separate net salvage rates to each category, which is a more accurate approach. By failing to divide interim and terminal retirements, Mr. Spanos effectively applies the interim net salvage rates to terminal retirement amounts. Moreover, DESC has not supported any terminal net salvage of its production plants with site-specific dismantlement studies. As a result, DESC's proposed production net salvage rates are unsupported. Regarding the Company's mass property accounts, a statistical analysis of DESC's historical retirement data shows that Mr. Spanos has underestimated the remaining service lives (thus overestimating the depreciation rates) of several of the Company's transmission and distribution accounts. The table below shows the depreciation parameter comparison for the adjusted mass property accounts.³

³ See also Exhibit DJG-3

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**Figure 3:
Mass Property Parameter Comparison**

Account No.	Description	DESC Proposal				ORS Proposal			
		Iowa Curve		Depr Rate	Annual Accrual	Iowa Curve		Depr Rate	Annual Accrual
		Type	AL			Type	AL		
TRANSMISSION PLANT									
355.00	POLES AND FIXTURES	S1 - 53		3.44%	16,085,952	L1.5 - 59		2.97%	13,877,190
355.50	POLES AND FIXTURES - NND	S1 - 53		3.33%	3,465,061	L1.5 - 59		2.98%	3,102,730
356.10	OH CONDUCTORS - OVERHEAD	R2.5 - 57		3.18%	8,726,343	S0.5 - 64		2.59%	7,114,744
356.20	OH CONDUCTORS - FIBER OPTIC	R2.5 - 57		3.14%	94,915	S0.5 - 64		2.61%	78,701
356.50	OH CONDUCTORS - NND	R2.5 - 57		2.84%	1,866,290	S0.5 - 64		2.53%	1,659,444
DISTRIBUTION PLANT									
365.00	OH CONDUCTORS	R1.5 - 60		1.62%	8,505,166	R1 - 64		1.50%	7,890,372
368.00	LINE TRANSFORMERS	R2.5 - 44		2.24%	11,072,626	R2 - 46		2.10%	10,377,279
369.00	SERVICES - OVERHEAD	R3 - 70		2.40%	2,639,545	R3 - 75		2.22%	2,441,937
369.10	SERVICES - UNDERGROUND	S3 - 70		1.69%	3,202,365	S3 - 80		1.44%	2,729,427
373.00	STREET LIGHTING	S0.5 - 39		2.93%	10,164,611	L1 - 42		2.63%	9,128,585

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The details supporting my proposed adjustments are discussed further in my testimony.

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Q. DESCRIBE WHY IT IS IMPORTANT NOT TO OVERESTIMATE DEPRECIATION RATES.

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A. Under the rate-base rate of return model, the utility is allowed to recover the original cost of its prudent investments required to provide service. Depreciation systems are designed to allocate those costs in a systematic and rational manner – specifically, over the service lives of the utility’s assets. If depreciation rates are overestimated (i.e., service lives are underestimated), it may unintentionally incent economic inefficiency. When an asset is fully depreciated and no longer in rate base, but still used by a utility, a utility may be incented to retire and replace the asset to increase rate base, even though the retired asset may not have reached the end of its economic useful life. If, on the other hand, an asset must be retired before it is fully depreciated, there are regulatory mechanisms that can

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1 ensure the utility fully recovers its prudent investment in the retired asset. Thus, in my
2 opinion, it is preferable for the Commission to ensure that assets are not depreciated before
3 the end of their economic useful lives.

4 **III. STANDARDS**

5 **Q. DISCUSS THE STANDARD BY WHICH REGULATED UTILITIES ARE** 6 **ALLOWED TO RECOVER DEPRECIATION EXPENSE.**

7 **A.** In *Lindheimer v. Illinois Bell Telephone Co.*, the U.S. Supreme Court stated that
8 “depreciation is the loss, not restored by current maintenance, which is due to all the factors
9 causing the ultimate retirement of the property. These factors embrace wear and tear,
10 decay, inadequacy, and obsolescence.”⁴ The *Lindheimer* Court also recognized that the
11 original cost of plant assets, rather than present value or some other measure, is the proper
12 basis for calculating depreciation expense. Moreover, the *Lindheimer* Court found:

13 [T]he company has the burden of making a convincing showing that the
14 amounts it has charged to operating expenses for depreciation have not been
15 excessive. That burden is not sustained by proof that its general accounting
16 system has been correct. The calculations are mathematical, but the
17 predictions underlying them are essentially matters of opinion.⁵

18 Thus, the Commission must ultimately determine if DESC has met its burden of proof by
19 making a convincing showing that its proposed depreciation rates are not excessive.

⁴ *Lindheimer v. Illinois Bell Tel. Co.*, 292 U.S. 151, 167 (1934).

⁵ *Id.* at 169.

1 **Q. SHOULD DEPRECIATION REPRESENT AN ALLOCATED COST OF CAPITAL**
2 **TO OPERATION, RATHER THAN A MECHANISM TO DETERMINE LOSS OF**
3 **VALUE?**

4 **A.** Yes. While the *Lindheimer* case and other early literature recognized depreciation as a
5 necessary expense, the language indicated that depreciation was primarily a mechanism to
6 determine loss of value.⁶ Adoption of this “value concept” requires annual appraisals of
7 extensive utility plant and is thus not practical in this context. Rather, the “cost allocation
8 concept” recognizes that depreciation is a cost of providing service, and that in addition to
9 receiving a “return on” invested capital through the allowed rate of return, a utility should
10 also receive a “return of” its invested capital in the form of recovered depreciation expense.
11 The cost allocation concept also satisfies several fundamental accounting principles,
12 including verifiability, neutrality, and the matching principle.⁷ The definition of
13 “depreciation accounting” published by the American Institute of Certified Public
14 Accountants (“AICPA”) properly reflects the cost allocation concept:

⁶ See Frank K. Wolf & W. Chester Fitch, *Depreciation Systems* 71 (Iowa State University Press 1994).

⁷ National Association of Regulatory Utility Commissioners, *Public Utility Depreciation Practices* 12 (NARUC 1996).

1 Depreciation accounting is a system of accounting that aims to distribute
2 cost or other basic value of tangible capital assets, less salvage (if any), over
3 the estimated useful life of the unit (which may be a group of assets) in a
4 systematic and rational manner. It is a process of allocation, not of
5 valuation.⁸

6 Thus, the concept of depreciation as “the allocation of cost has proven to be the most useful
7 and most widely used concept.”⁹

8 **IV. ANALYTIC METHODS**

9 **Q. DISCUSS YOUR APPROACH TO ANALYZING THE COMPANY’S**
10 **DEPRECIABLE ASSETS IN THIS CASE.**

11 **A.** I obtained and reviewed the same historical property data that was used to conduct DESC’s
12 depreciation study, including plant retirement and net salvage data. I analyzed the data and
13 calculated my proposed rates under a depreciation system designed to conform to the legal
14 and technical standards discussed above. I then applied my proposed service life and net
15 salvage parameters to a depreciation system in order to calculate DESC’s adjusted
16 depreciation rates. My adjustments to service life and net salvage are discussed further in
17 the sections below.

18 **Q. DISCUSS THE DEFINITION AND GENERAL PURPOSE OF A DEPRECIATION**
19 **SYSTEM, AS WELL AS THE SPECIFIC DEPRECIATION SYSTEM YOU**
20 **EMPLOYED FOR THIS PROJECT.**

21 **A.** The legal standards set forth above do not mandate a specific procedure for conducting
22 depreciation analysis. These standards, however, direct that analysts use a system for

⁸ American Institute of Accountants, *Accounting Terminology Bulletins Number 1: Review and Résumé 25* (American Institute of Accountants 1953).

⁹ Wolf *supra* n. 6, at 73.

1 estimating depreciation rates that will result in the “systematic and rational” allocation of
2 capital recovery for the utility. Over the years, analysts have developed “depreciation
3 systems” designed to analyze grouped property in accordance with this standard. A
4 depreciation system may be defined by several primary parameters: 1) a method of
5 allocation; 2) a procedure for applying the method of allocation; 3) a technique of applying
6 the depreciation rate; and 4) a model for analyzing the characteristics of vintage property
7 groups.¹⁰ In this case, I used the straight-line method, the average life procedure, the
8 remaining life technique, and the broad group model; this system would be denoted as an
9 “SL-AL-RL-BG” system. This depreciation system conforms to the legal standards set
10 forth above and is commonly used by depreciation analysts in regulatory proceedings. I
11 provide a more detailed discussion of depreciation system parameters, theories, and
12 equations in Appendix A.

13 **Q. DID MR. SPANOS AND YOU USE THE SAME DEPRECIATION SYSTEM?**

14 **A.** Yes. Mr. Spanos and I essentially used the same depreciation system. Thus, the difference
15 in our positions is driven by our differing opinions regarding the depreciation parameters
16 of service lives and net salvage for the accounts at issue.

17 **V. SERVICE LIFE ANALYSIS**

18 **Q. DESCRIBE THE METHODOLOGY USED TO ESTIMATE THE SERVICE LIVES**
19 **OF GROUPED DEPRECIABLE ASSETS.**

20 **A.** The process used to study the industrial property retirement is rooted in the actuarial
21 process used to study human mortality. Just as actuarial analysts study historical human

¹⁰ See Wolf *supra* n. 6, at 70, 140.

1 mortality data to predict how long a group of people will live, depreciation analysts study
2 historical plant data to estimate the average lives of property groups. The most common
3 actuarial method used by depreciation analysts is called the “retirement rate method.” In
4 the retirement rate method, original property data, including additions, retirements,
5 transfers, and other transactions, are organized by vintage and transaction year.¹¹ The
6 retirement rate method is ultimately used to develop an “observed life table,” (“OLT”)
7 which shows the percentage of property surviving at each age interval. This pattern of
8 property retirement is described as a “survivor curve.” The survivor curve derived from
9 the observed life table, however, must be fitted and smoothed with a complete curve in
10 order to determine the ultimate average life of the group.¹² The most widely used survivor
11 curves for this curve fitting process were developed at Iowa State University in the early
12 1900s and are commonly known as the “Iowa curves.”¹³ A more detailed explanation of
13 how the Iowa curves are used in the actuarial analysis of depreciable property is set forth
14 in Appendix C.

¹¹ The “vintage” year refers to the year that a group of property was placed in service (aka “placement” year). The “transaction” year refers to the accounting year in which a property transaction occurred, such as an addition, retirement, or transfer (aka “experience” year).

¹² See Appendix C for a more detailed discussion of the actuarial analysis used to determine the average lives of grouped industrial property.

¹³ See Appendix B for a more detailed discussion of the Iowa curves.

1 **Q. DESCRIBE HOW YOU STATISTICALLY ANALYZED DESC’S HISTORICAL**
2 **RETIREMENT DATA IN ORDER TO DETERMINE THE MOST REASONABLE**
3 **IOWA CURVE TO APPLY TO EACH ACCOUNT.**

4 **A.** I used the aged property data provided by the Company to create an OLT for each account.
5 The data points on the OLT can be plotted to form a curve (the “OLT curve”). The OLT
6 curve is not a theoretical curve, rather, it is actual observed data from the Company’s
7 records that indicate the rate of retirement for each property group. An OLT curve by
8 itself, however, is rarely a smooth curve, and is often not a “complete” curve (i.e., it does
9 not end at zero percent surviving). In order to calculate average life (the area under a
10 curve), a complete survivor curve is required. The Iowa curves are empirically derived
11 curves based on the extensive studies of the actual mortality patterns of many different
12 types of industrial property. The curve-fitting process involves selecting the best Iowa
13 curve to fit the OLT curve. This can be accomplished through a combination of visual and
14 mathematical curve-fitting techniques, as well as professional judgment. The first step of
15 my approach to curve-fitting involves visually inspecting the OLT curve for any
16 irregularities. For example, if the “tail” end of the curve is erratic and shows a sharp decline
17 over a short period of time, it may indicate that this portion of the data is less reliable, as
18 further discussed below. After inspecting the OLT curve, I use a mathematical curve-
19 fitting technique, which essentially involves measuring the distance between the OLT
20 curve and the selected Iowa curve to get an objective, mathematical assessment of how
21 well the curve fits.

1 **Q. DO YOU ALWAYS SELECT THE MATHEMATICALLY BEST-FITTING**
2 **CURVE?**

3 **A.** Not necessarily. Mathematical fitting is an important part of the curve-fitting process
4 because it promotes objective, unbiased results. While mathematical curve-fitting is
5 important, however, it may not always yield the optimum result. For example, if there is
6 insufficient historical data in a particular account and the OLT curve derived from that data
7 is relatively short and flat, the mathematically “best” curve may be one with a very long
8 average life. However, when there is sufficient data available, mathematical curve fitting
9 can be used as part of an objective service life analysis.

10 **Q. SHOULD EVERY PORTION OF THE OLT CURVE BE GIVEN EQUAL**
11 **WEIGHT?**

12 **A.** Not necessarily. Many analysts have observed that the points comprising the “tail end” of
13 the OLT curve may often have less analytical value than other portions of the curve. In
14 fact, “[p]oints at the end of the curve are often based on fewer exposures and may be given
15 less weight than points based on larger samples. The weight placed on those points will
16 depend on the size of the exposures.”¹⁴ In accordance with this standard, an analyst may
17 decide to truncate the tail end of the OLT curve at a certain percent of initial exposures,
18 such as one percent. Using this approach puts greater emphasis on the most valuable
19 portions of the curve. For my analysis in this case, I not only considered the entirety of the
20 OLT curve, but also conducted further analyses that involved fitting Iowa curves to the
21 most significant part of the OLT curve for certain accounts. In other words, to verify the

¹⁴ Wolf *supra* n. 6, at 46.

1 accuracy of my curve selection, I narrowed the focus of my additional calculation to
2 consider approximately the top 99% of the “exposures” (i.e., dollars exposed to retirement)
3 and to eliminate the tail end of the curve representing the bottom 1% of exposures for some
4 accounts, if necessary. I will illustrate an example of this approach in the discussion below.

5 **Q. GENERALLY, DESCRIBE THE DIFFERENCES BETWEEN THE COMPANY’S**
6 **SERVICE LIFE PROPOSALS AND YOUR SERVICE LIFE PROPOSALS.**

7 **A.** For each of the accounts to which I propose adjustments, the Company’s proposed average
8 service life, as estimated through an Iowa curve, is too short to provide the most reasonable
9 mortality characteristics of the account. Generally, for the accounts in which I propose a
10 longer service life, that proposal is based on the objective approach of choosing an Iowa
11 curve that provides a better mathematical fit to the observed historical retirement pattern
12 derived from the Company’s plant data.

13 **Q. DO YOU ALSO USE PROFESSIONAL JUDGMENT IN SELECTING THE BEST**
14 **IOWA CURVE AS PART OF YOUR SERVICE LIFE ANALYSIS?**

15 **A.** Yes. The amount of judgment I use relative to the empirical data depends primarily on the
16 sufficiency and quality of the statistical data provided by the Company. That is, to the
17 extent the historical data provided by the Company is sufficient to develop adequate OLT
18 curves upon which conventional Iowa curve fitting techniques may be employed, it is
19 preferable to focus primarily on the empirical analysis and evidence inherent in the curve
20 fitting process rather than on subjective elements such as judgment. Another factor that
21 should be considered when determining how much judgment should be used in the process
22 of curve fitting are the legal and ratemaking standards discussed above. It is important to
23 keep in mind that the Company bears the burden to make a convincing showing that its

1 proposed rates are not excessive. Thus, if the Company fails to provide adequate historical
2 data for a particular account such that it is not ideal for empirical Iowa curve fitting, it does
3 not mean that the Company's position should be accepted merely based on the subjective
4 elements of "judgment" used by its witnesses to justify its proposed depreciation rate for
5 that account. Judgment is a process; it does not take the place of objective facts and
6 evidence.

7 **Q. IN SUPPORT OF ITS SERVICE LIFE ESTIMATES, DID DESC PRESENT**
8 **SUBSTANTIAL EVIDENCE IN ADDITION TO THE HISTORICAL PLANT**
9 **DATA FOR EACH ACCOUNT?**

10 **A.** No. It appears that DESC is relying primarily on its historical retirement data in order to
11 make predictions about the remaining average life for the assets in each account.
12 Therefore, the Commission should focus primarily on this historical data and objective
13 Iowa curve fitting when assessing fair and reasonable depreciation rates for DESC. The
14 service lives I propose in this case are based on Iowa curves that provide better
15 mathematical fits to DESC's historical retirement data, and they result in more reasonable
16 service life estimates and depreciation rates for the accounts to which I propose
17 adjustments.¹⁵

¹⁵ See generally the Iowa curve fitting charts in Exhibit DJG-16.

1 **1. Account 355 – Poles and Fixtures**

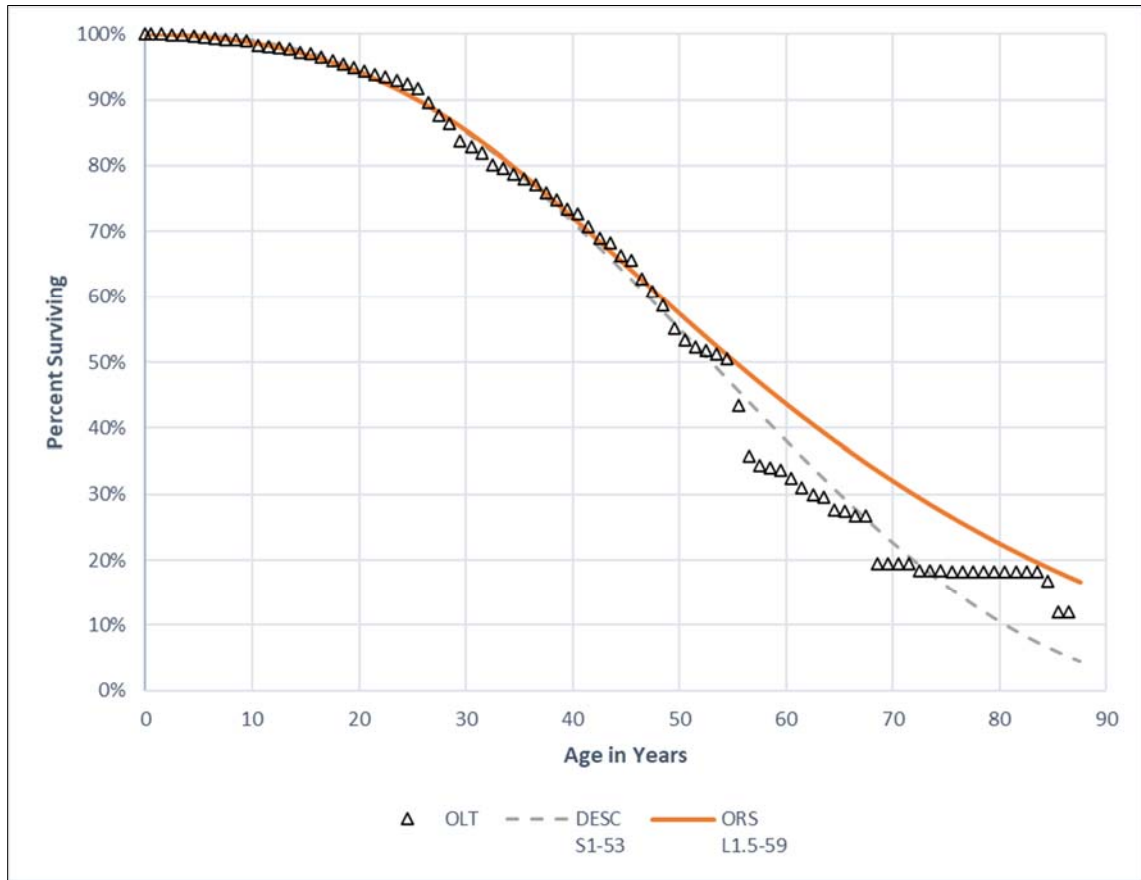
2 **Q. DESCRIBE YOUR SERVICE LIFE ESTIMATE FOR THIS ACCOUNT AND**
3 **COMPARE IT WITH THE COMPANY’S ESTIMATE.**

4 **A. The OLT curve derived from the Company’s data for this account is presented in the graph**
5 below. The graph also shows the Iowa curves Mr. Spanos and I selected to represent the
6 average remaining life of the assets in this account. For this account, Mr. Spanos selected
7 the S1-53 Iowa curve, and I selected the L1.5-59 Iowa curve. Both of these curves are
8 shown in the graph below along with the OLT curve.¹⁶

¹⁶ See also Exhibit DJG-8.

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Figure 4:
Account 355 – Poles and Fixtures

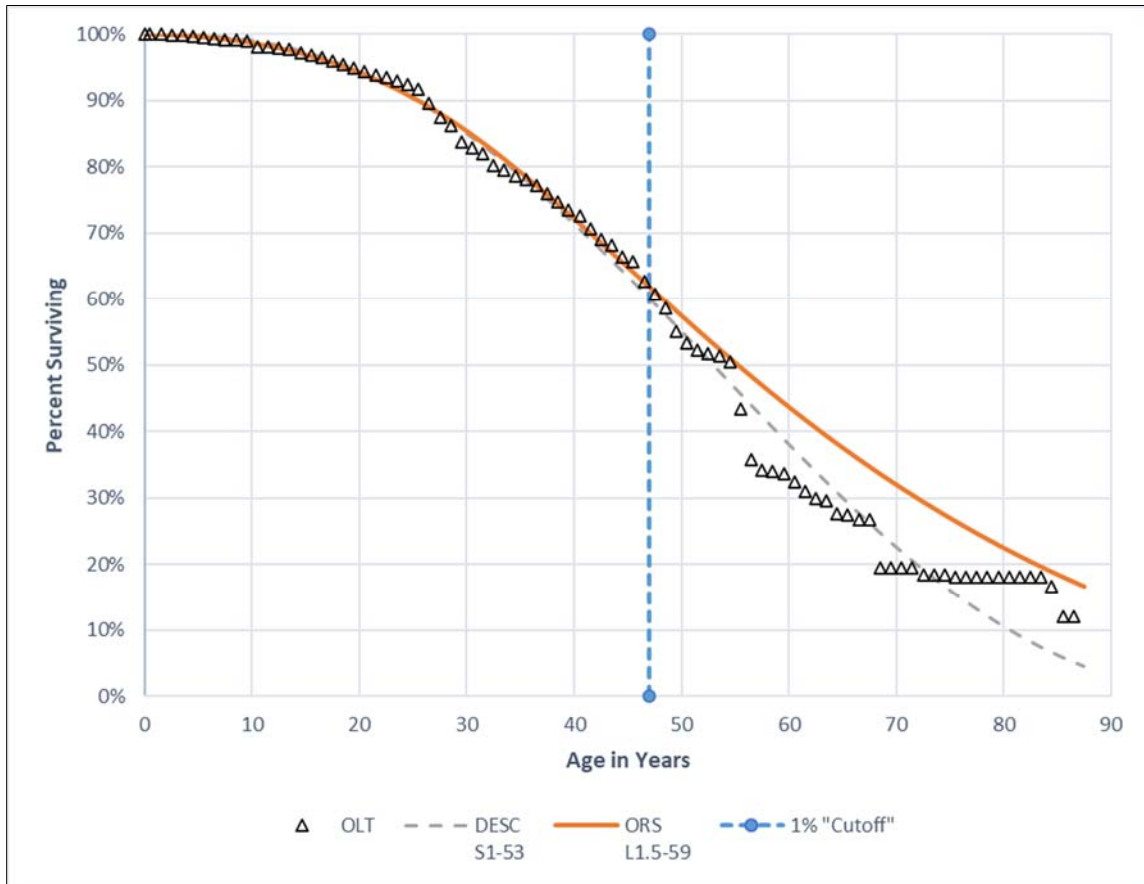


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As shown in the graph, both Iowa curves appear to provide relatively close fits to the majority of the OLT curve. Although it initially appears that the S1-53 curve might provide the closer fit to data points occurring after the 50-year age interval, a closer examination of the actual OLT curve data reveals that these data points are not statistically relevant under the 1% cutoff benchmark. The graph below illustrates this concept.

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Figure 5:
Account 355 – Poles and Fixtures – With 1% Cutoff



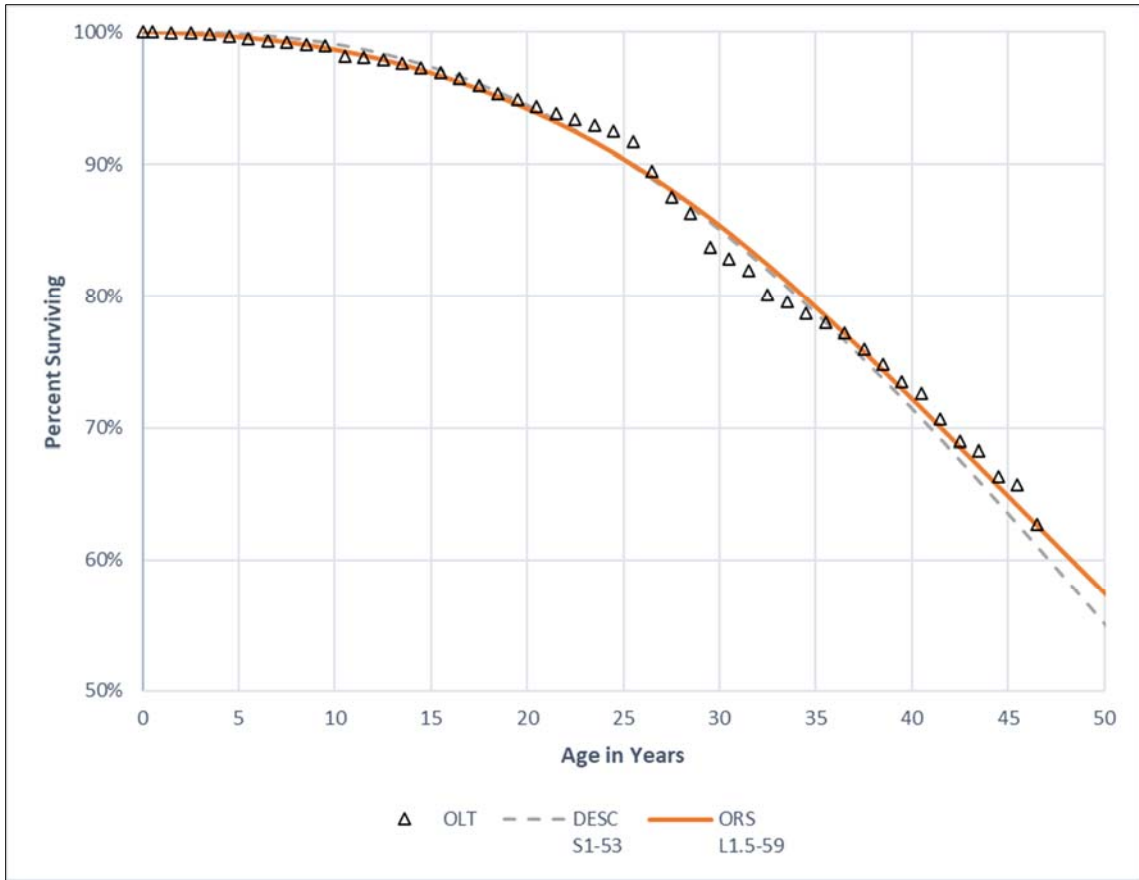
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In this graph, which shows the same curves as the preceding graph, all of the data points to the right of the vertical line are statistically insignificant. This is because the dollars associated with these data points are much less than the dollars associated with the data points in the upper and middle portions of the OLT curve. For example, the dollar amount exposed to retirement at age 10 is about \$200 million, whereas the dollar amount exposed to retirement at age 80 is only about \$20,000.¹⁷ The graph below shows the same

¹⁷ See Exhibit DJG-10.

1 information as presented above, but with only the statistically relevant data points in the
2 OLT curve (and with closer scaling to show more detail).

3 **Figure 6:**
4 **Account 355 – Relevant OLT Curve**



5
6 When only the statistically relevant portion of the OLT curve is considered, it appears that
7 both of the selected Iowa curves provide a relatively close and reasonable fit. We can use
8 mathematical curve fitting techniques to help select the better of the two Iowa curves.

1 **Q. DOES YOUR SELECTED IOWA CURVE PROVIDE A BETTER**
2 **MATHEMATICAL FIT TO THE RELEVANT PORTION OF THE OLT CURVE?**

3 **A.** Yes. Mathematical curve-fitting techniques can help us determine which Iowa curve
4 provides the best fit (especially in cases where it is not obvious from a visual standpoint
5 which curve provides the better fit). Mathematical curve-fitting essentially involves
6 measuring the “distance” between the OLT curve and the selected Iowa curve. The best
7 fitting curve from a mathematical standpoint is the one that minimizes the distance between
8 the OLT curve and the Iowa curve, thus providing the closest fit. The distance between
9 the curves is calculated using the “sum-of-squared differences” (“SSD”) technique. In this
10 account, the SSD, or distance between the Company’s curve and the relevant OLT curve
11 is 0.0057, while the SSD between the L1.5-59 curve and the relevant OLT curve is only
12 0.0038.¹⁸ Thus, the L1.5-59 curve I selected provides a better mathematical fit to the
13 historical data.

14 **2. Account 356 – Transmission Overhead Conductors and Devices**

15 **Q. DESCRIBE YOUR SERVICE LIFE ESTIMATE FOR THIS ACCOUNT AND**
16 **COMPARE IT WITH THE COMPANY’S ESTIMATE.**

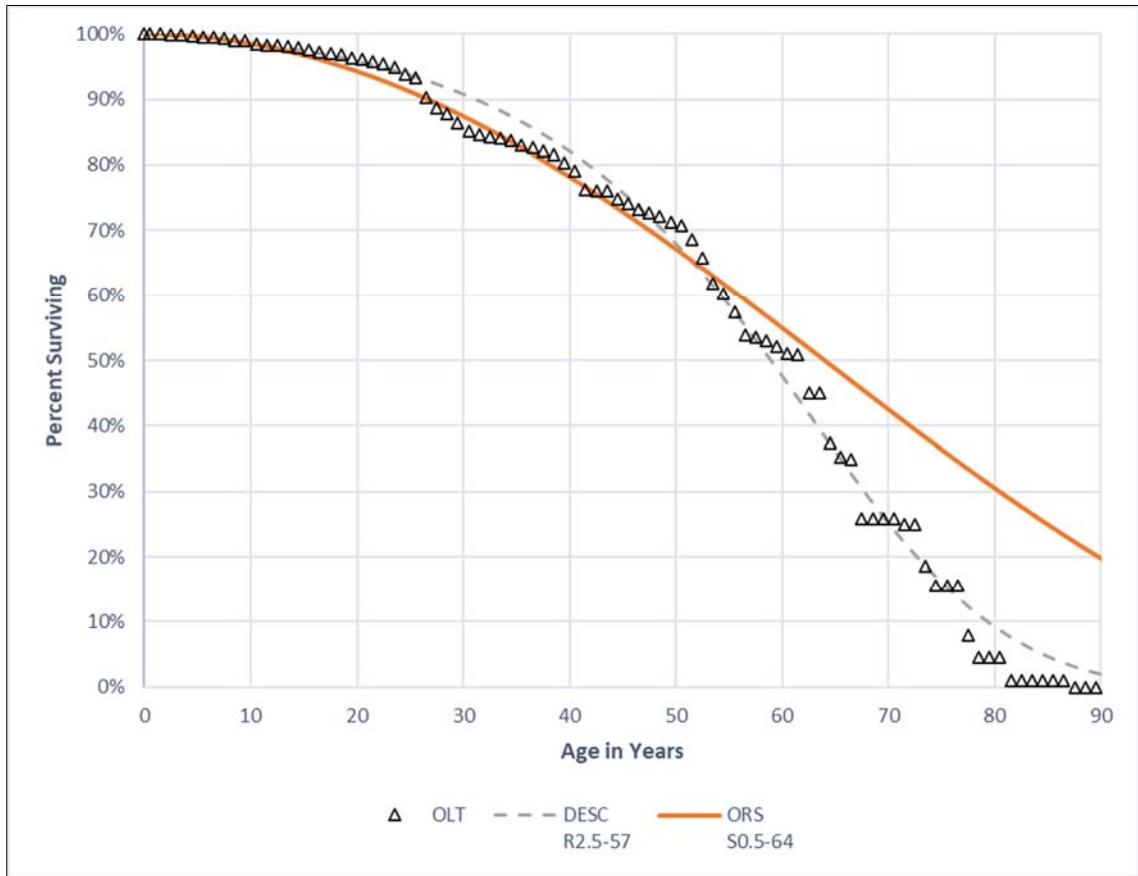
17 **A.** Mr. Spanos selected the R2.5-57 curve for this account, and I selected the S0.5-64 curve.
18 These two Iowa curves are illustrated in the graph below along with the OLT curve.¹⁹

¹⁸ Exhibit DJG-10.

¹⁹ See also Exhibit DJG-9.

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Figure 7:
Account 356 – Transmission Overhead Conductors and Devices

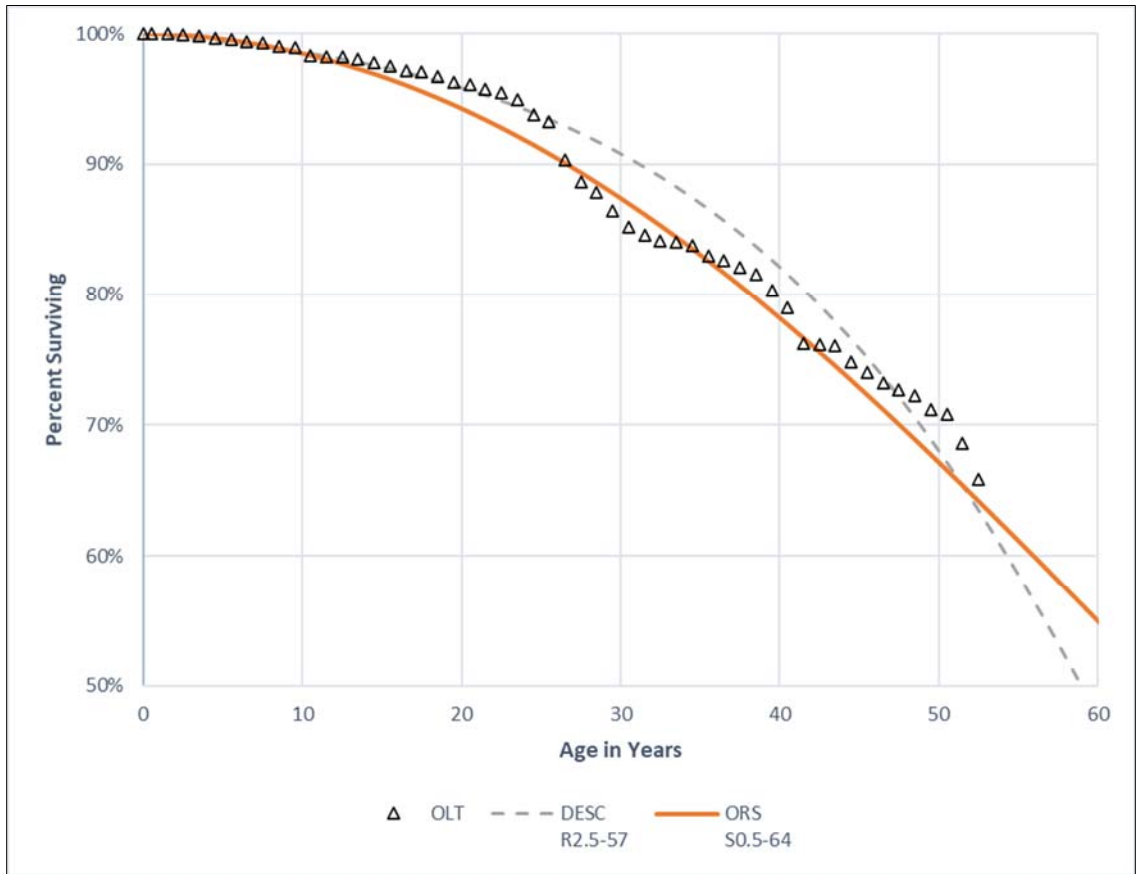


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As with Account 355 discussed above, the Iowa curve selected by Mr. Spanos appears to provide the closer fit to the OLT curve when the entirety of the OLT curve is considered; however, we should conduct the visual and mathematical Iowa curve fitting analysis on the relevant portion of the OLT curve, which is shown in the graph below.

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Figure 8:
Account 356 – Relevant OLT Curve



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When considering the relevant OLT curve (i.e., the top 99% of the curve based on dollars exposed to retirement) and applying a visual curve fitting analysis, the curve I selected provides the closer fit. We can use mathematical curve fitting to confirm the results.

1 **Q. DOES YOUR SELECTED IOWA CURVE PROVIDE A BETTER**
2 **MATHEMATICAL FIT TO THE RELEVANT PORTION OF THE OLT CURVE?**

3 **A.** Yes. When applied to the relevant OLT curve, the SSD for the Iowa curve selected by Mr.
4 Spanos is 0.0289, and the SSD for the S0.5-64 curve I selected is only 0.0144, which makes
5 it the better mathematical fit.²⁰

6 **3. Account 365 – Distribution Overhead Conductors and Devices**

7 **Q. DESCRIBE YOUR SERVICE LIFE ESTIMATE FOR THIS ACCOUNT AND**
8 **COMPARE IT WITH THE COMPANY’S ESTIMATE.**

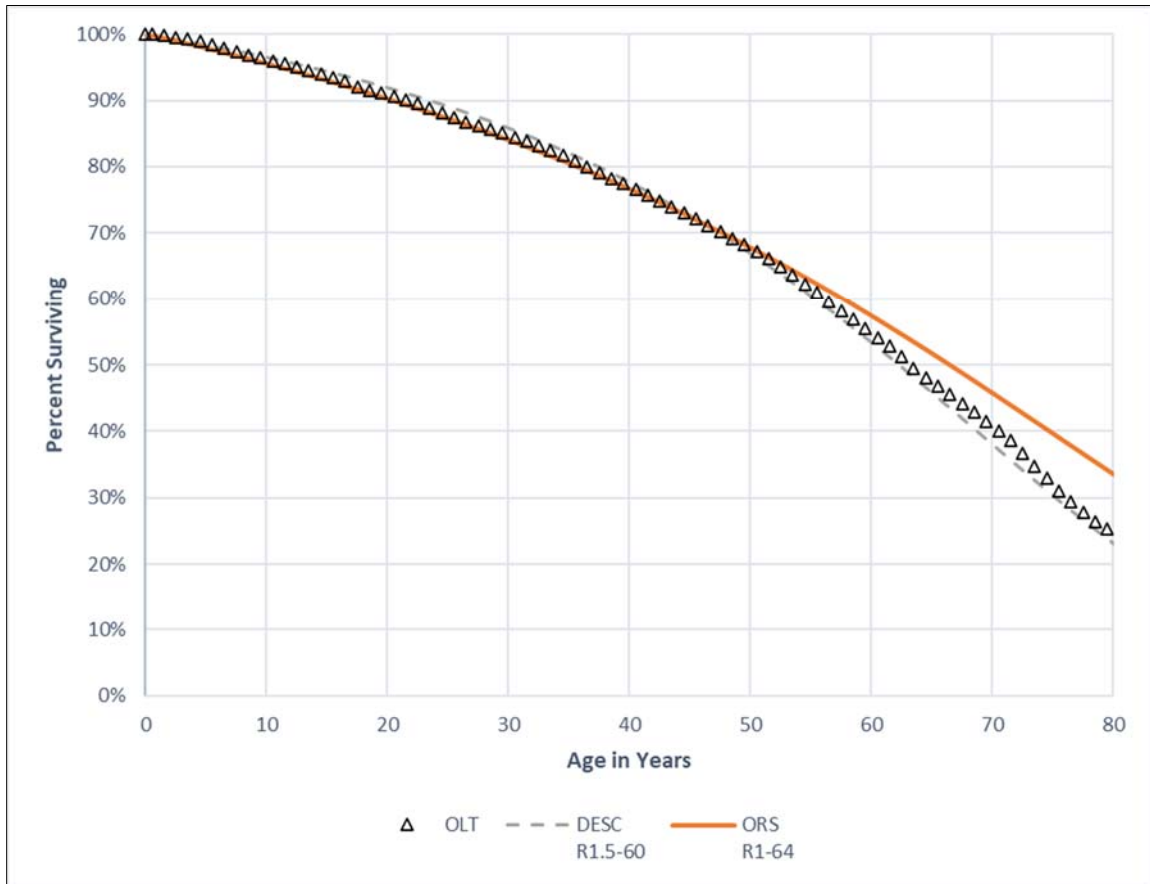
9 **A.** Mr. Spanos selected the R1.5-60 curve for this account, and I selected the R1-64 curve.
10 These two Iowa curves are illustrated in the graph below along with the OLT curve.²¹

²⁰ Exhibit DJG-11.

²¹ See also Exhibit DJG-9.

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Figure 9:
Account 365 – Distribution Overhead Conductors and Devices

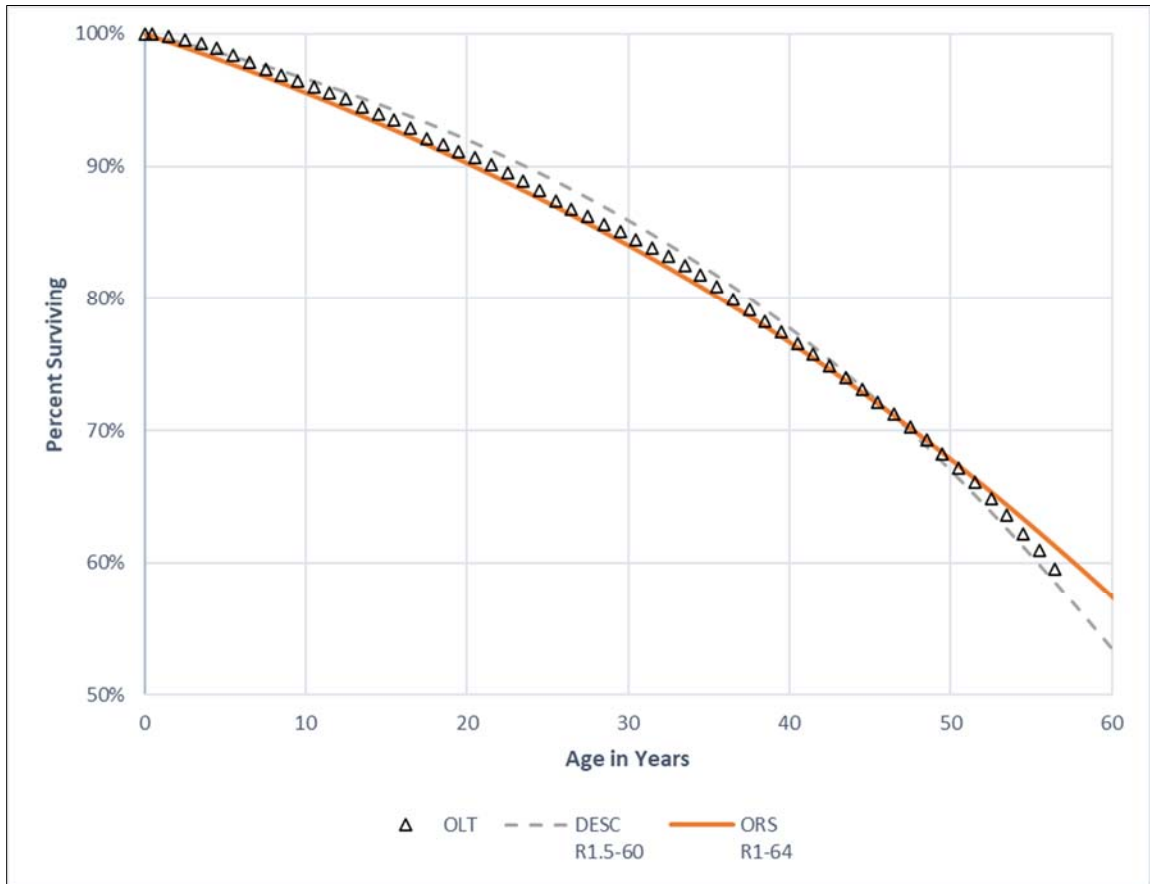


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As with the accounts discussed above, the Iowa curve selected by Mr. Spanos appears to provide the closer fit to the OLT curve when the entirety of the OLT curve is considered; however, we should conduct the visual and mathematical Iowa curve fitting analysis on the relevant portion of the OLT curve, which is shown in the graph below.

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Figure 10:
Account 365 – Relevant OLT Curve



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When considering the relevant OLT curve and applying a visual curve fitting analysis, the R1-64 Iowa curve I selected provides the closer fit. We can use mathematical curve fitting to confirm the results.

1 **Q. DOES YOUR SELECTED IOWA CURVE PROVIDE A BETTER**
2 **MATHEMATICAL FIT TO THE RELEVANT PORTION OF THE OLT CURVE?**

3 **A.** Yes. When applied to the relevant OLT curve, the SSD for the Iowa curve selected by Mr.
4 Spanos is 0.0040, and the SSD for the R1-64 curve I selected is only 0.0025, which makes
5 it the better mathematical fit.²²

6 **4. Account 368 – Line Transformers**

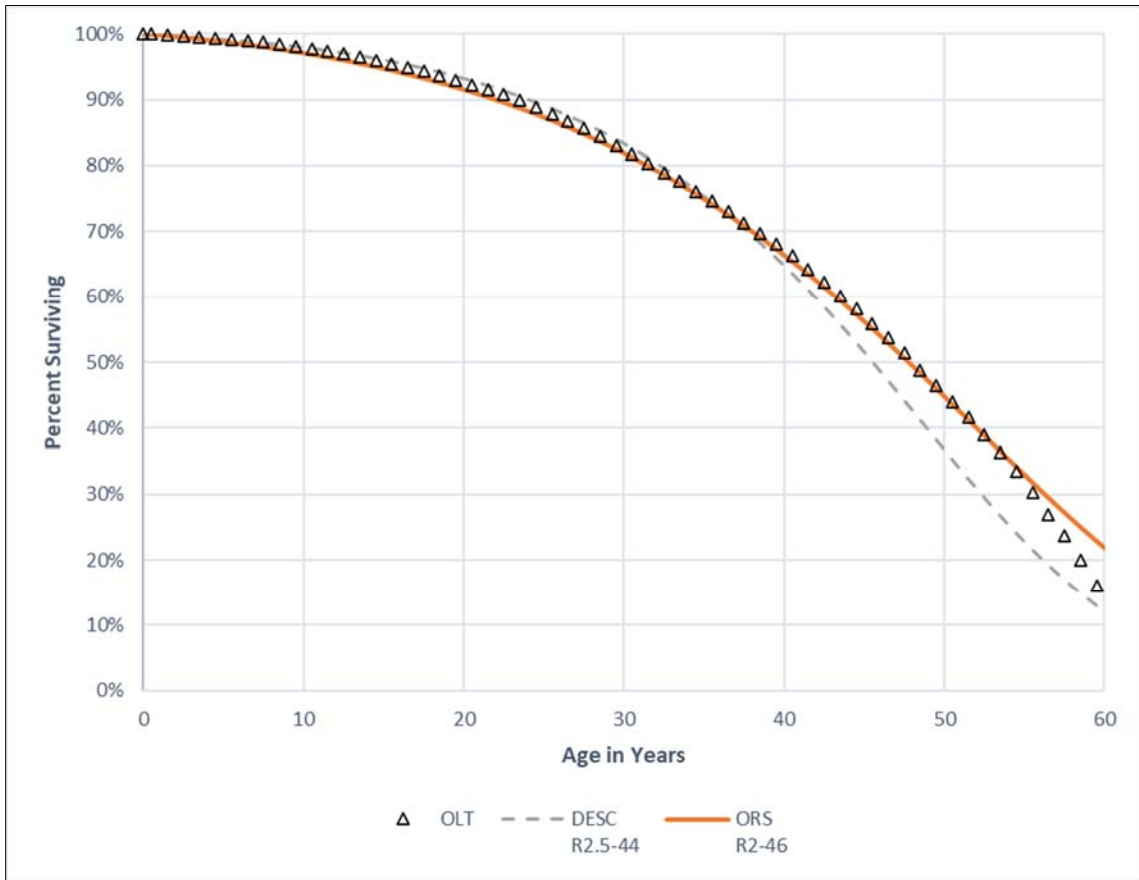
7 **Q. DESCRIBE YOUR SERVICE LIFE ESTIMATE FOR THIS ACCOUNT AND**
8 **COMPARE IT WITH THE COMPANY’S ESTIMATE.**

9 **A.** Mr. Spanos selected the R2.5-44 curve for this account, and I selected the R2-46 curve.
10 These two Iowa curves are illustrated in the graph below along with the OLT curve.

²² Exhibit DJG-12.

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Figure 11:
Account 368 – Line Transformers



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From a visual perspective, it appears that the R2.5-44 curve selected by Mr. Spanos declines too sharply relative to the OLT curve beginning around the 40-year age interval. The R2-46 Iowa curve I selected, on the other hand, provides a good fit through the entire OLT curve based on a visual curve fitting analysis.

1 **Q. DOES YOUR SELECTED IOWA CURVE PROVIDE A BETTER**
2 **MATHEMATICAL FIT TO THE RELEVANT PORTION OF THE OLT CURVE?**

3 **A.** Yes. Specifically, the SSD for the Iowa curve selected by Mr. Spanos is 0.0508, and the
4 SSD for the R2-46 curve I selected is only 0.0032, which makes it the better mathematical
5 fit.²³

6 **5. Account 369 – Services – Overhead**

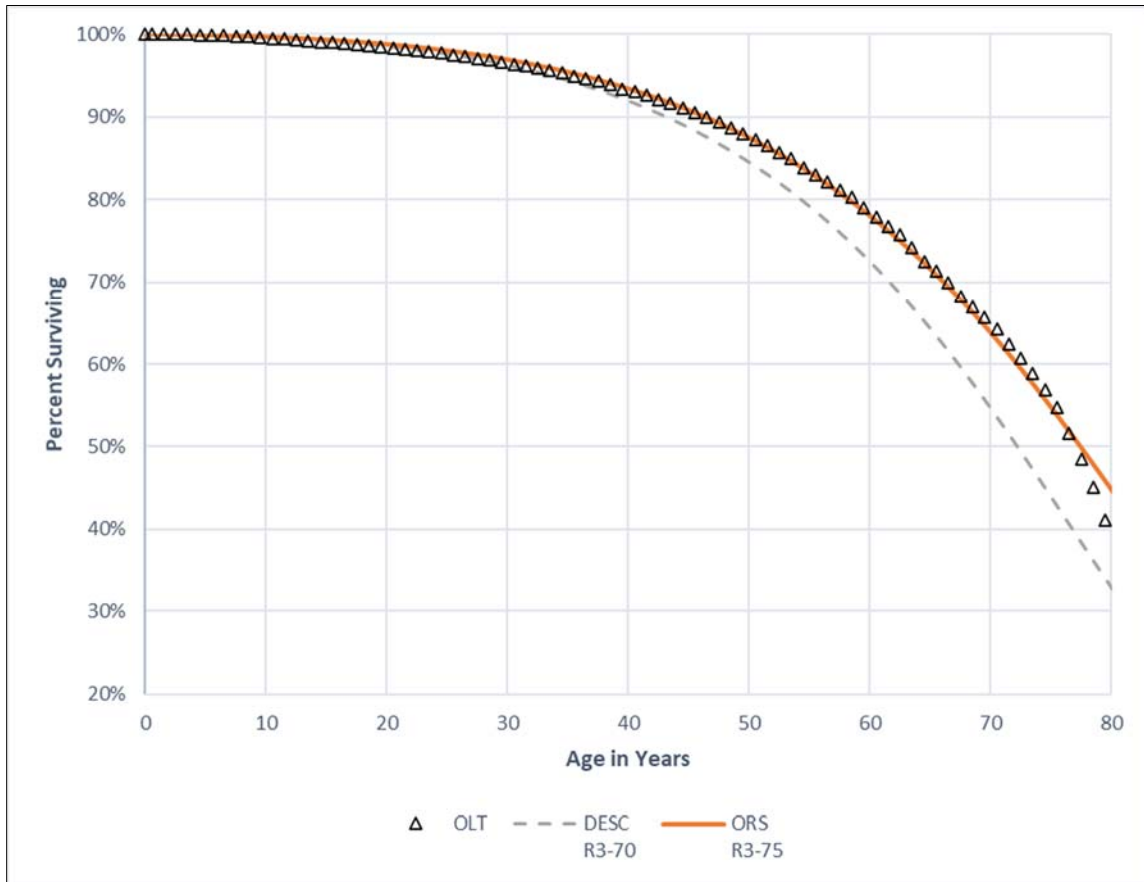
7 **Q. DESCRIBE YOUR SERVICE LIFE ESTIMATE FOR THIS ACCOUNT AND**
8 **COMPARE IT WITH THE COMPANY’S ESTIMATE.**

9 **A.** Mr. Spanos selected the R3-70 curve for this account, and I selected the R3-75 curve.
10 These two Iowa curves are illustrated in the graph below along with the OLT curve.

²³ Exhibit DJG-13.

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Figure 12:
Account 369 – Services – Overhead



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As shown in this graph, it is clear that the R3-75 curve I selected provides a near-perfect fit to the OLT curve. In contrast, the R3-70 curve selected by Mr. Spanos does not provide a good fit throughout significant portions of the OLT curve. The primary purpose of the Iowa curve fitting process is using past information to project the future. However, the Iowa curve selected by Mr. Spanos does not even accurately represent the historical information we already know.

1 **Q. DOES YOUR SELECTED IOWA CURVE PROVIDE A BETTER**
2 **MATHEMATICAL FIT TO THE RELEVANT PORTION OF THE OLT CURVE?**

3 **A.** Yes. Although it is clear from a visual perspective that the Iowa curve I selected provides
4 the better fit, we can confirm the results mathematically. The SSD for the Iowa curve
5 selected by Mr. Spanos is 0.0332, and the SSD for the R3-75 curve I selected is only
6 0.0004, which makes it the better mathematical fit.²⁴

7 **6. Account 369.1 – Services – Underground**

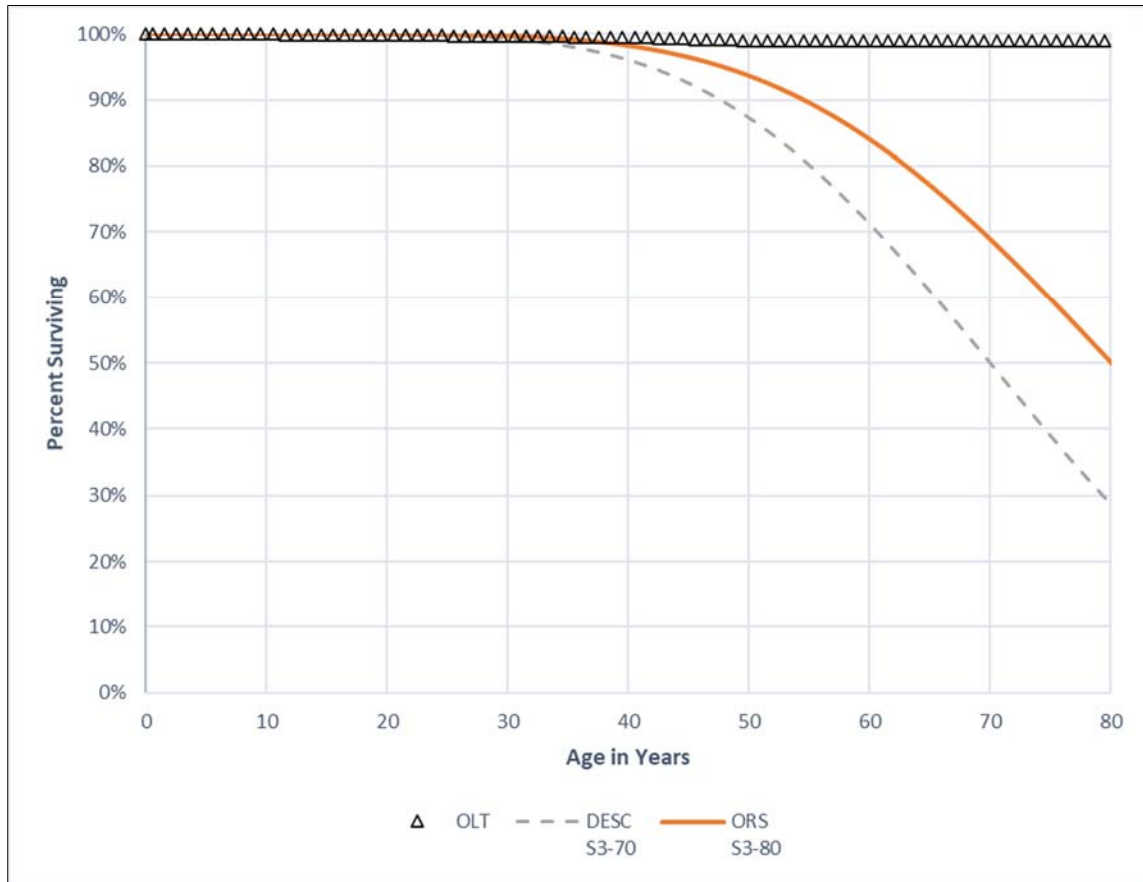
8 **Q. DESCRIBE YOUR SERVICE LIFE ESTIMATE FOR THIS ACCOUNT AND**
9 **COMPARE IT WITH THE COMPANY’S ESTIMATE.**

10 **A.** Mr. Spanos selected the S3-70 curve for this account, and I selected the S3-80 curve. These
11 two Iowa curves are illustrated in the graph below along with the OLT curve.

²⁴ Exhibit DJG-14.

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Figure 13:
Account 369.1 – Services – Underground



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Unlike the accounts discussed above, the OLT curve for this account is not well-suited for traditional Iowa curve fitting techniques. That is, if we were to simply choose the best Iowa curve from a mathematical standpoint, it would result in a remaining life estimate that is unreasonably long. However, the OLT curve still has some value in assisting with an average life estimate for this account. According to the observed life table for this account, the dollars exposed to retirement after 80 years are surviving by more than 99%. In order for Mr. Spanos’s projection of an average life of only 70 years to be accurate, this account would need to experience a very sudden and significant amount of retirements in

1 the near future; there is no evidence to suggest that will be the case. The same criticism
2 might also be valid regarding the 80-year average life I have proposed of only 80 years. In
3 that regard, my proposed service life is both conservative and reasonable. Regardless,
4 DESC has not met its burden to make a convincing showing that its proposed depreciation
5 rate for this account is not excessive.

6 **Q. DOES YOUR SELECTED IOWA CURVE PROVIDE A BETTER**
7 **MATHEMATICAL FIT TO THE RELEVANT PORTION OF THE OLT CURVE?**

8 **A.** Yes. As discussed above, mathematical curve fitting for this particular account has little
9 analytical value due to the relatively small amount of data representing historical
10 retirements. Nonetheless, the SSD for the Iowa curve selected by Mr. Spanos is 0.0205,
11 and the SSD for the S3-80 curve I selected is only 0.0033.²⁵

12 **7. Account 373 – Street Lighting and Signal Systems**

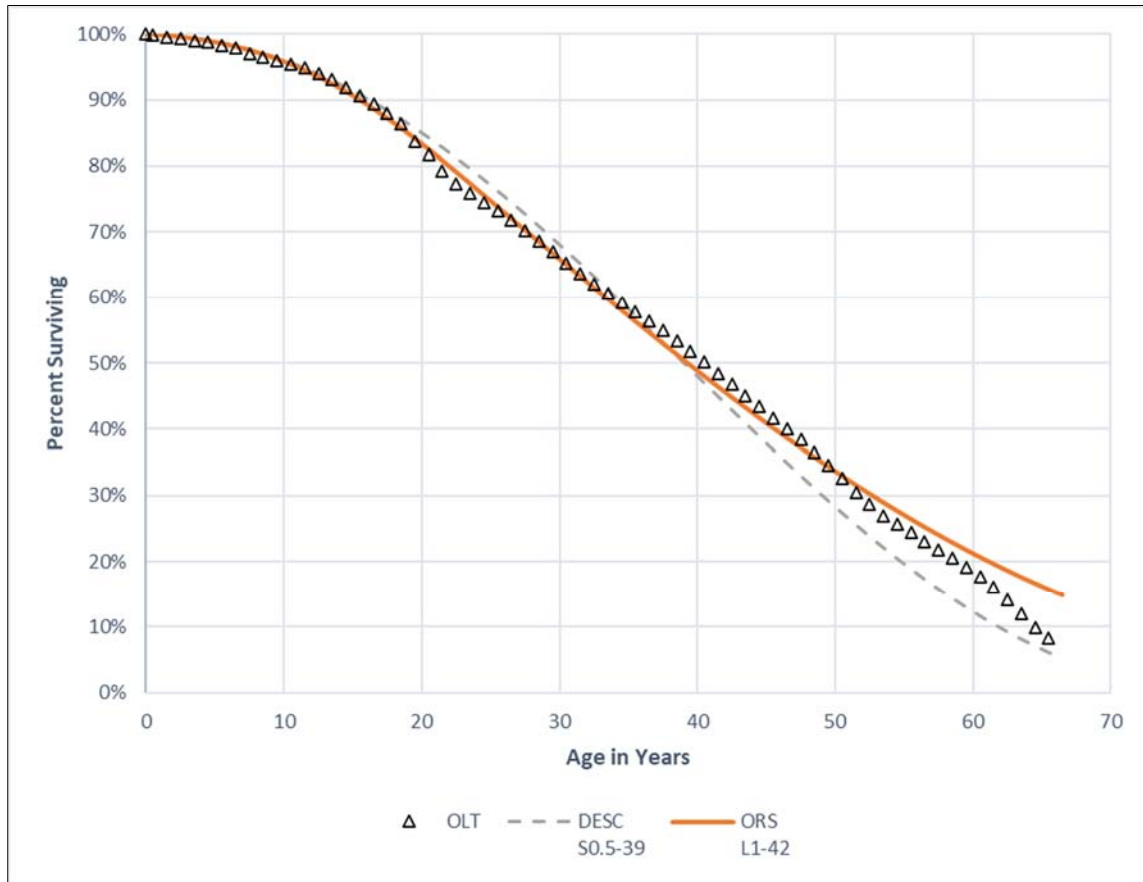
13 **Q. DESCRIBE YOUR SERVICE LIFE ESTIMATE FOR THIS ACCOUNT AND**
14 **COMPARE IT WITH THE COMPANY’S ESTIMATE.**

15 **A.** Mr. Spanos selected the S0.5-39 curve for this account, and I selected the L1-42 curve.
16 These two Iowa curves are illustrated in the graph below along with the OLT curve.

²⁵ Exhibit DJG-15.

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Figure 14:
Account 373 – Street Lighting and Signal Systems



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As shown in this graph, both of the selected Iowa curves appear to provide a relatively close fit to the OLT curve. Mathematical curve fitting techniques can reveal which curve provides the better fit.

Q. DOES YOUR SELECTED IOWA CURVE PROVIDE A BETTER MATHEMATICAL FIT TO THE RELEVANT PORTION OF THE OLT CURVE?

A. Yes. Whether the mathematical analysis is conducted on the entirety of the OLT curve or the most relevant portions of the OLT curve based on the 1% cutoff benchmark, the Iowa curve I selected results in the better fit. Specifically, the SSD applied to the relevant OLT

1 curve for the Iowa curve selected by Mr. Spanos is 0.0126, and the SSD for the L1-42
2 curve I selected is only 0.0034, which makes it the better mathematical fit.²⁶

3 **VI. NET SALVAGE ANALYSIS**

4 **Q. DESCRIBE THE CONCEPT OF NET SALVAGE.**

5 **A.** If an asset has any value left when it is retired from service, a utility might decide to sell
6 the asset. The proceeds from this transaction are called “gross salvage.” The
7 corresponding expense associated with the removal of the asset from service is called the
8 “cost of removal.” The term “net salvage” equates to gross salvage less the cost of removal.
9 Often, the net salvage for utility assets is a negative number (or percentage) because the
10 cost of removing the assets from service exceeds any proceeds received from selling the
11 assets. When a negative net salvage rate is applied to an account to calculate the
12 depreciation rate, it results in increasing the total depreciable base to be recovered over a
13 particular period of time and increases the depreciation rate. Therefore, a greater negative
14 net salvage rate equates to a higher depreciation rate and expense, all else held constant.

15 **Q. PLEASE DESCRIBE HOW PRODUCTION NET SALVAGE RATES FOR**
16 **ELECTRIC UTILITIES SHOULD BE ESTIMATED.**

17 **A.** Accurate net salvage estimates for electric production plant accounts should include a
18 weighting of the amount of interim and terminal retirements, with different net salvage
19 rates applied to each category.²⁷ Interim retirements include the assets comprising a
20 production plant that will be retired during the life of the plant, whereas terminal

²⁶ Exhibit DJG-14.

²⁷ Some jurisdictions excluded interim retirements in the calculation of production plant depreciation rates.

1 retirements refer to the assets that will all be retired concurrently at the plants final
2 retirement date. Interim net salvage rates are typically estimated through an analysis of the
3 historical net salvage rates observed for the interim retirements in each account. Terminal
4 net salvage rates, on the other hand, are ideally estimated by relying on site-specific
5 dismantlement studies, which estimate the cost to dismantle and decommission generating
6 units. The estimated interim net salvage rates are applied to the interim retirements, and
7 the estimated terminal net salvage rates are applied to the terminal retirements to ultimately
8 arrive at weighted net salvage rates for each production plant.

9 **Q. WERE DESC'S PROPOSED PRODUCTION NET SALVAGE RATES BASED ON**
10 **THE PROCESS YOU DESCRIBED?**

11 **A.** No. The depreciation study includes interim net salvage rates based on historical data. I
12 am not proposing adjustments to those interim net salvage rates. However, the Company
13 has not provided evidence to support any terminal net salvage, including any
14 dismantlement studies. Instead, the depreciation simply applies the amount of estimated
15 interim net salvage to the entire amount of projected retirements, thereby assuming that the
16 interim net salvage rates will be the same as the terminal net salvage rates.

17 **Q. DO YOU AGREE WITH THIS APPROACH?**

18 **A.** No. This approach is not appropriate for several reasons. First, DESC has not provided
19 any support for the net salvage rates that it has in essence applied to that portion of its
20 production plant assets that will inevitably be retired at the end of their useful life – or its
21 terminal retirements. I estimate that this issue effects the annual depreciation accrual by at

1 least \$16 million.²⁸ This issue is significant enough to cast serious doubt on the net salvage
2 values proposed by the Company and justify the need for much more substantial evidence
3 from the Company to support it, including site-specific dismantlement studies. By failing
4 to provide such evidence, DESC has failed to make a convincing showing (or any showing
5 at all) that its proposed depreciation rates are not excessive. Furthermore, terminal net
6 salvage rates are necessarily and fundamentally different than interim net salvage rates. I
7 cannot recall any instances in other cases where they happened to be the same, particularly
8 when the terminal net salvage rates were properly estimated through dismantlement
9 studies.

10 **Q. DO YOU BELIEVE THE COMMISSION SHOULD DISALLOW TERMINAL NET**
11 **SALVAGE RECOVERY IN THIS CASE?**

12 **A.** Since the Company has failed to provide any evidence to support its terminal net salvage,
13 one could argue that the Commission should disallow recovery for terminal net salvage.
14 However, it is not likely that DESC will experience terminal net salvage of zero (or a
15 positive amount). Rather, some amount of negative terminal net salvage is more likely.

16 **Q. PLEASE DESCRIBE HOW YOU CALCULATED YOUR PROPOSED**
17 **PRODUCTION NET SALVAGE RATES.**

18 **A.** First, I estimated the amount of interim retirements for each production unit by using the
19 interim Iowa curves and probable retirement dates proposed in the depreciation study.²⁹
20 After estimating the amount of interim retirements, I was able to determine the weighting

²⁸ See Exhibits DJG-4 through DJG-6. The difference between 0% terminal net salvage rates in Exhibit DJG-6 and DESC's proposed interim net salvage rates being applied to the estimated amount of terminal retirements in Exhibit DJG-6 affect the proposed annual depreciation accrual by about \$16 million.

²⁹ See Exhibit DJG-9.

1 of interim and terminal retirements for each production unit.³⁰ After calculating the interim
2 and terminal retirement weightings, I applied the interim net salvage rates proposed in the
3 Company's depreciation study to the amount of interim retirements (i.e., I did not adjust
4 interim net salvage).³¹ I then applied a -5% terminal net salvage rate to the estimated
5 terminal retirement weighting for each production unit.³² Again, the Company failed to
6 provide support for any amount of terminal net salvage. However, I believe it is fair and
7 reasonable to assume a -5% terminal net salvage rate at this time instead of a 0% terminal
8 net salvage rate. If DESC provides dismantlement studies in future rate cases, it may reveal
9 lower or higher terminal net salvage rates for each production unit. Finally, I considered
10 the interim and terminal retirement amounts and net salvages to calculated weighted net
11 salvage rates for each production unit. The table below shows a comparison of the
12 proposed production net salvage rates.

³⁰ See Exhibit DJG-7.

³¹ See Exhibit DJG-8 and Exhibit DJG-6.

³² See Exhibit DJG-6.

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**Figure 15:
 Production Net Salvage Rate Comparison**

Production Units	DESC Proposed	ORS Proposed
Steam Production Plant		
Central Lab	-16%	-9%
Cope	-27%	-17%
McMeekin	-27%	-16%
Urquhart 3	-24%	-13%
Wateree	-28%	-17%
Jasper	-25%	-13%
Columbia Energy Center	-26%	-15%
Hydraulic Production Plant		
Fairfield	-25%	-19%
Neal Shoals	-25%	-19%
Parr	-24%	-19%
Saluda	-3%	-4%
Stevens Creek	-24%	-18%
Other Production Plant		
Coit	-21%	-10%
Hagood Unit 4	-16%	-11%
Hardeeville	-21%	-10%
Parr	-18%	-10%
Urquhart Units 1, 2, 3 and Common	-21%	-9%
Urquhart Unit 4	-23%	-10%
Urquhart Units 5 and 6	-16%	-12%
Williams - Bushy Park	-15%	-11%
Jasper	-16%	-12%
Hagood Unit 5	-16%	-12%
Hagood Unit 6	-16%	-12%
Columbia Energy Center	-21%	-11%
Boeing Building Solar Project	-24%	-10%
Solar Farm	-9%	-6%

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1 My proposed production net salvage rate adjustments reduce the Company's proposed
2 annual depreciation accrual by about \$12.8 million.³³

3 **Q. WILL YOU UPDATE YOUR DIRECT TESTIMONY BASED ON INFORMATION**
4 **THAT BECOMES AVAILABLE?**

5 **A.** Yes. I fully reserve the right to revise my testimony via supplemental testimony should
6 new information not previously provided by the Company, or other sources, becomes
7 available.

8 **Q. DOES THIS CONCLUDE YOUR DEPRECIATION TESTIMONY?**

9 **A.** Yes.

³³ See Exhibit DJG-2.

APPENDIX A: THE DEPRECIATION SYSTEM

A depreciation accounting system may be thought of as a dynamic system in which estimates of life and salvage are inputs to the system, and the accumulated depreciation account is a measure of the state of the system at any given time.³⁴ The primary objective of the depreciation system is the timely recovery of capital. The process for calculating the annual accruals is determined by the factors required to define the system. A depreciation system should be defined by four primary factors: 1) a method of allocation; 2) a procedure for applying the method of allocation to a group of property; 3) a technique for applying the depreciation rate; and 4) a model for analyzing the characteristics of vintage groups comprising a continuous property group.³⁵ The figure below illustrates the basic concept of a depreciation system and includes some of the available parameters.³⁶

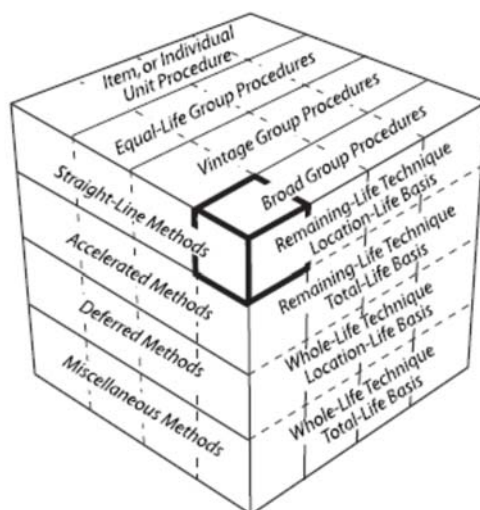
There are hundreds of potential combinations of methods, procedures, techniques, and models, but in practice, analysts use only a few combinations. Ultimately, the system selected must result in the systematic and rational allocation of capital recovery for the utility. Each of the four primary factors defining the parameters of a depreciation system is discussed further below.

³⁴ Wolf *supra* n. 6, at 69-70.

³⁵ *Id.* at 70, 139-40.

³⁶ Edison Electric Institute, *Introduction to Depreciation* (inside cover) (EEI April 2013). Some definitions of the terms shown in this diagram are not consistent among depreciation practitioners and literature due to the fact that depreciation analysis is a relatively small and fragmented field. This diagram simply illustrates some of the available parameters of a depreciation system.

**Figure 16:
The Depreciation System Cube**



1. Allocation Methods

The “method” refers to the pattern of depreciation in relation to the accounting periods. The method most commonly used in the regulatory context is the “straight-line method” – a type of age-life method in which the depreciable cost of plant is charged in equal amounts to each accounting period over the service life of plant.³⁷ Because group depreciation rates and plant balances often change, the amount of the annual accrual rarely remains the same, even when the straight-line method is employed.³⁸ The basic formula for the straight-line method is as follows:³⁹

³⁷ NARUC *supra* n. 7, at 56.

³⁸ *Id.*

³⁹ *Id.*

**Equation 1:
Straight-Line Accrual**

$$\text{Annual Accrual} = \frac{\text{Gross Plant} - \text{Net Salvage}}{\text{Service Life}}$$

Gross plant is a known amount from the utility's records, while both net salvage and service life must be estimated to calculate the annual accrual. The straight-line method differs from accelerated methods of recovery, such as the "sum-of-the-years-digits" method and the "declining balance" method. Accelerated methods are primarily used for tax purposes and are rarely used in the regulatory context for determining annual accruals.⁴⁰ In practice, the annual accrual is expressed as a rate which is applied to the original cost of plant to determine the annual accrual in dollars. The formula for determining the straight-line rate is as follows:⁴¹

**Equation 2:
Straight-Line Rate**

$$\text{Depreciation Rate \%} = \frac{100 - \text{Net Salvage \%}}{\text{Service Life}}$$

2. Grouping Procedures

The "procedure" refers to the way the allocation method is applied through subdividing the total property into groups.⁴² While single units may be analyzed for depreciation, a group plan of depreciation is particularly adaptable to utility property. Employing a grouping procedure allows for a composite application of depreciation rates to groups of similar property, rather than conducting calculations for each unit. Whereas an individual unit of property has a single life, a

⁴⁰ *Id.* at 57.

⁴¹ *Id.* at 56.

⁴² Wolf *supra* n. 6, at 74-75.

group of property displays a dispersion of lives and the life characteristics of the group must be described statistically.⁴³ When analyzing mass property categories, it is important that each group contains homogenous units of plant that are used in the same general manner throughout the plant and operated under the same general conditions.⁴⁴

The “average life” and “equal life” grouping procedures are the two most common. In the average life procedure, a constant annual accrual rate based on the average life of all property in the group is applied to the surviving property. While property having shorter lives than the group average will not be fully depreciated, and likewise, property having longer lives than the group average will be over-depreciated, the ultimate result is that the group will be fully depreciated by the time of the final retirement.⁴⁵ Thus, the average life procedure treats each unit as though its life is equal to the average life of the group. In contrast, the equal life procedure treats each unit in the group as though its life was known.⁴⁶ Under the equal life procedure the property is divided into subgroups that each has a common life.⁴⁷

3. Application Techniques

The third factor of a depreciation system is the “technique” for applying the depreciation rate. There are two commonly used techniques: “whole life” and “remaining life.” The whole life technique applies the depreciation rate on the estimated average service life of a group, while the remaining life technique seeks to recover undepreciated costs over the remaining life of the plant.⁴⁸

⁴³ *Id.* at 74.

⁴⁴ NARUC *supra* n. 7, at 61-62.

⁴⁵ *See* Wolf *supra* n. 6, at 74-75.

⁴⁶ *Id.* at 75.

⁴⁷ *Id.*

⁴⁸ NARUC *supra* n. 7, at 63-64.

In choosing the application technique, consideration should be given to the proper level of the accumulated depreciation account. Depreciation accrual rates are calculated using estimates of service life and salvage. Periodically these estimates must be revised due to changing conditions, which cause the accumulated depreciation account to be higher or lower than necessary. Unless some corrective action is taken, the annual accruals will not equal the original cost of the plant at the time of final retirement.⁴⁹ Analysts can calculate the level of imbalance in the accumulated depreciation account by determining the “calculated accumulated depreciation,” (a.k.a. “theoretical reserve” and referred to in these appendices as “CAD”). The CAD is the calculated balance that would be in the accumulated depreciation account at a point in time using current depreciation parameters.⁵⁰ An imbalance exists when the actual accumulated depreciation account does not equal the CAD. The choice of application technique will affect how the imbalance is dealt with.

Use of the whole life technique requires that an adjustment be made to accumulated depreciation after calculation of the CAD. The adjustment can be made in a lump sum or over a period of time. With use of the remaining life technique, however, adjustments to accumulated depreciation are amortized over the remaining life of the property and are automatically included in the annual accrual.⁵¹ This is one reason that the remaining life technique is popular among practitioners and regulators. The basic formula for the remaining life technique is as follows:⁵²

⁴⁹ Wolf *supra* n. 6, at 83.

⁵⁰ NARUC *supra* n. 7, at 325.

⁵¹ NARUC *supra* n. 7, at 65 (“The desirability of using the remaining life technique is that any necessary adjustments of [accumulated depreciation] . . . are accrued automatically over the remaining life of the property. Once commenced, adjustments to the depreciation reserve, outside of those inherent in the remaining life rate would require regulatory approval.”).

⁵² *Id.* at 64.

**Equation 3:
Remaining Life Accrual**

$$\text{Annual Accrual} = \frac{\text{Gross Plant} - \text{Accumulated Depreciation} - \text{Net Salvage}}{\text{Average Remaining Life}}$$

The remaining life accrual formula is similar to the basic straight-line accrual formula above with two notable exceptions. First, the numerator has an additional factor in the remaining life formula: the accumulated depreciation. Second, the denominator is “average remaining life” instead of “average life.” Essentially, the future accrual of plant (gross plant less accumulated depreciation) is allocated over the remaining life of plant. Thus, the adjustment to accumulated depreciation is “automatic” in the sense that it is built into the remaining life calculation.⁵³

4. Analysis Model

The fourth parameter of a depreciation system, the “model,” relates to the way of viewing the life and salvage characteristics of the vintage groups that have been combined to form a continuous property group for depreciation purposes.⁵⁴ A continuous property group is created when vintage groups are combined to form a common group. Over time, the characteristics of the property may change, but the continuous property group will continue. The two analysis models used among practitioners, the “broad group” and the “vintage group,” are two ways of viewing the life and salvage characteristics of the vintage groups that have been combined to form a continuous property group.

The broad group model views the continuous property group as a collection of vintage groups that each have the same life and salvage characteristics. Thus, a single survivor curve and

⁵³ Wolf *supra* n. 6, at 178.

⁵⁴ See Wolf *supra* n. 6, at 139 (I added the term “model” to distinguish this fourth depreciation system parameter from the other three parameters).

a single salvage schedule are chosen to describe all the vintages in the continuous property group. In contrast, the vintage group model views the continuous property group as a collection of vintage groups that may have different life and salvage characteristics. Typically, there is not a significant difference between vintage group and broad group results unless vintages within the applicable property group experienced dramatically different retirement levels than anticipated in the overall estimated life for the group. For this reason, many analysts utilize the broad group procedure because it is more efficient.

APPENDIX B:

IOWA CURVES

Early work in the analysis of the service life of industrial property was based on models that described the life characteristics of human populations.⁵⁵ This explains why the word “mortality” is often used in the context of depreciation analysis. In fact, a group of property installed during the same accounting period is analogous to a group of humans born during the same calendar year. Each period the group will incur a certain fraction of deaths / retirements until there are no survivors. Describing this pattern of mortality is part of actuarial analysis and is regularly used by insurance companies to determine life insurance premiums. The pattern of mortality may be described by several mathematical functions, particularly the survivor curve and frequency curve. Each curve may be derived from the other so that if one curve is known, the other may be obtained. A survivor curve is a graph of the percent of units remaining in service expressed as a function of age.⁵⁶ A frequency curve is a graph of the frequency of retirements as a function of age. Several types of survivor and frequency curves are illustrated in the figures below.

1. Development

The survivor curves used by analysts today were developed over several decades from extensive analysis of utility and industrial property. In 1931, Edwin Kurtz and Robley Winfrey used extensive data from a range of 65 industrial property groups to create survivor curves representing the life characteristics of each group of property.⁵⁷ They generalized the 65 curves

⁵⁵ Wolf *supra* n. 6, at 276.

⁵⁶ *Id.* at 23.

⁵⁷ *Id.* at 34.

into 13 survivor curve types and published their results in *Bulletin 103: Life Characteristics of Physical Property*. The 13 type curves were designed to be used as valuable aids in forecasting probable future service lives of industrial property. Over the next few years, Winfrey continued gathering additional data, particularly from public utility property, and expanded the examined property groups from 65 to 176.⁵⁸ This resulted in 5 additional survivor curve types for a total of 18 curves. In 1935, Winfrey published *Bulletin 125: Statistical Analysis of Industrial Property Retirements*. According to Winfrey, “[t]he 18 type curves are expected to represent quite well all survivor curves commonly encountered in utility and industrial practices.”⁵⁹ These curves are known as the “Iowa curves” and are used extensively in depreciation analysis in order to obtain the average service lives of property groups. (Use of Iowa curves in actuarial analysis is further discussed in Appendix C.)

In 1942, Winfrey published *Bulletin 155: Depreciation of Group Properties*. In Bulletin 155, Winfrey made some slight revisions to a few of the 18 curve types, and published the equations, tables of the percent surviving, and probable life of each curve at five-percent intervals.⁶⁰ Rather than using the original formulas, analysts typically rely on the published tables containing the percentages surviving. This is because absent knowledge of the integration technique applied to each age interval, it is not possible to recreate the exact original published table values. In the 1970s, John Russo collected data from over 2,000 property accounts reflecting observations during the period 1965 – 1975 as part of his Ph.D. dissertation at Iowa State. Russo

⁵⁸ *Id.*

⁵⁹ Robley Winfrey, *Bulletin 125: Statistical Analyses of Industrial Property Retirements* 85, Vol. XXXIV, No. 23 (Iowa State College of Agriculture and Mechanic Arts 1935).

⁶⁰ Robley Winfrey, *Bulletin 155: Depreciation of Group Properties* 121-28, Vol XLI, No. 1 (The Iowa State College Bulletin 1942); see also Wolf *supra* n. 6, at 305-38 (publishing the percent surviving for each Iowa curve, including “O” type curve, at one percent intervals).

essentially repeated Winfrey's data collection, testing, and analysis methods used to develop the original Iowa curves, except that Russo studied industrial property in service several decades after Winfrey published the original Iowa curves. Russo drew three major conclusions from his research:⁶¹

1. No evidence was found to conclude that the Iowa curve set, as it stands, is not a valid system of standard curves;
2. No evidence was found to conclude that new curve shapes could be produced at this time that would add to the validity of the Iowa curve set; and
3. No evidence was found to suggest that the number of curves within the Iowa curve set should be reduced.

Prior to Russo's study, some had criticized the Iowa curves as being potentially obsolete because their development was rooted in the study of industrial property in existence during the early 1900s. Russo's research, however, negated this criticism by confirming that the Iowa curves represent a sufficiently wide range of life patterns, and that though technology will change over time, the underlying patterns of retirements remain constant and can be adequately described by the Iowa curves.⁶²

Over the years, several more curve types have been added to Winfrey's 18 Iowa curves. In 1967, Harold Cowles added four origin-modal curves. In addition, a square curve is sometimes used to depict retirements which are all planned to occur at a given age. Finally, analysts commonly rely on several "half curves" derived from the original Iowa curves. Thus, the term "Iowa curves" could be said to describe up to 31 standardized survivor curves.

⁶¹ See Wolf *supra* n. 6, at 37.

⁶² *Id.*

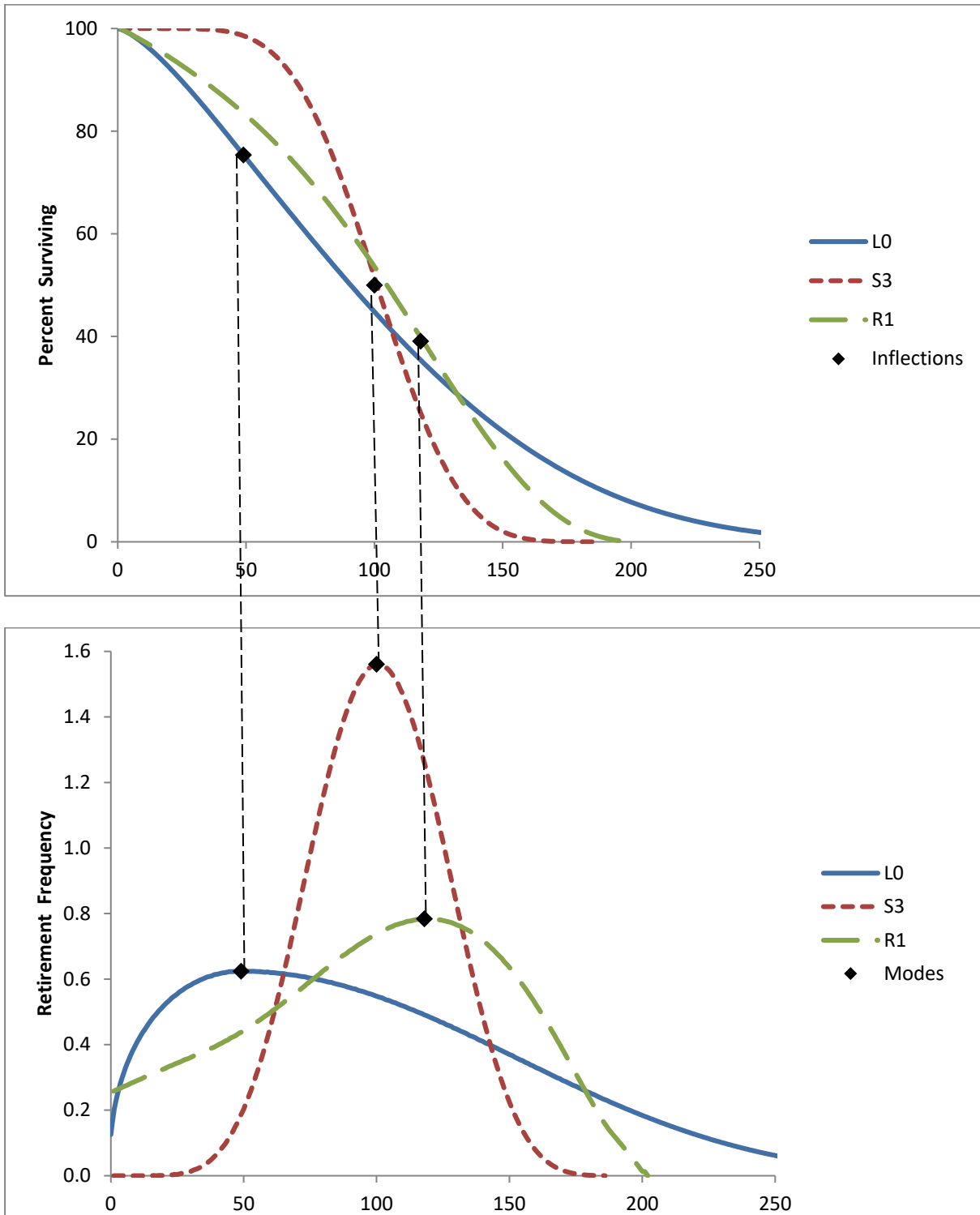
2. Classification

The Iowa curves are classified by three variables: modal location, average life, and variation of life. First, the mode is the percent life that results in the highest point of the frequency curve and the “inflection point” on the survivor curve. The modal age is the age at which the greatest rate of retirement occurs. As illustrated in the figure below, the modes appear at the steepest point of each survivor curve in the top graph, as well as the highest point of each corresponding frequency curve in the bottom graph.

The classification of the survivor curves was made according to whether the mode of the retirement frequency curves was to the left, to the right, or coincident with average service life. There are three modal “families” of curves: six left modal curves (L0, L1, L2, L3, L4, L5); five right modal curves (R1, R2, R3, R4, R5); and seven symmetrical curves (S0, S1, S2, S3, S4, S5, S6).⁶³ In the figure below, one curve from each family is shown: L0, S3 and R1, with average life at 100 on the x-axis. It is clear from the graphs that the modes for the L0 and R1 curves appear to the left and right of average life respectively, while the S3 mode is coincident with average life.

⁶³ In 1967, Harold A. Cowles added four origin-modal curves known as “O type” curves. There are also several “half” curves and a square curve, so the total amount of survivor curves commonly called “Iowa” curves is about 31 (see NARUC supra n. 7, at 68).

**Figure 17:
Modal Age Illustration**



The second Iowa curve classification variable is average life. The Iowa curves were designed using a single parameter of age expressed as a percent of average life instead of actual age. This was necessary for the curves to be of practical value. As Winfrey notes:

Since the location of a particular survivor on a graph is affected by both its span in years and the shape of the curve, it is difficult to classify a group of curves unless one of these variables can be controlled. This is easily done by expressing the age in percent of average life.”⁶⁴

Because age is expressed in terms of percent of average life, any particular Iowa curve type can be modified to forecast property groups with various average lives.

The third variable, variation of life, is represented by the numbers next to each letter. A lower number (e.g., L1) indicates a relatively low mode, large variation, and large maximum life; a higher number (e.g., L5) indicates a relatively high mode, small variation, and small maximum life. All three classification variables – modal location, average life, and variation of life – are used to describe each Iowa curve. For example, a 13-L1 Iowa curve describes a group of property with a 13-year average life, with the greatest number of retirements occurring before (or to the left of) the average life, and a relatively low mode. The graphs below show these 18 survivor curves, organized by modal family.

⁶⁴ Winfrey *supra* n. 75, at 60.

Figure 18:
Type L Survivor and Frequency Curves

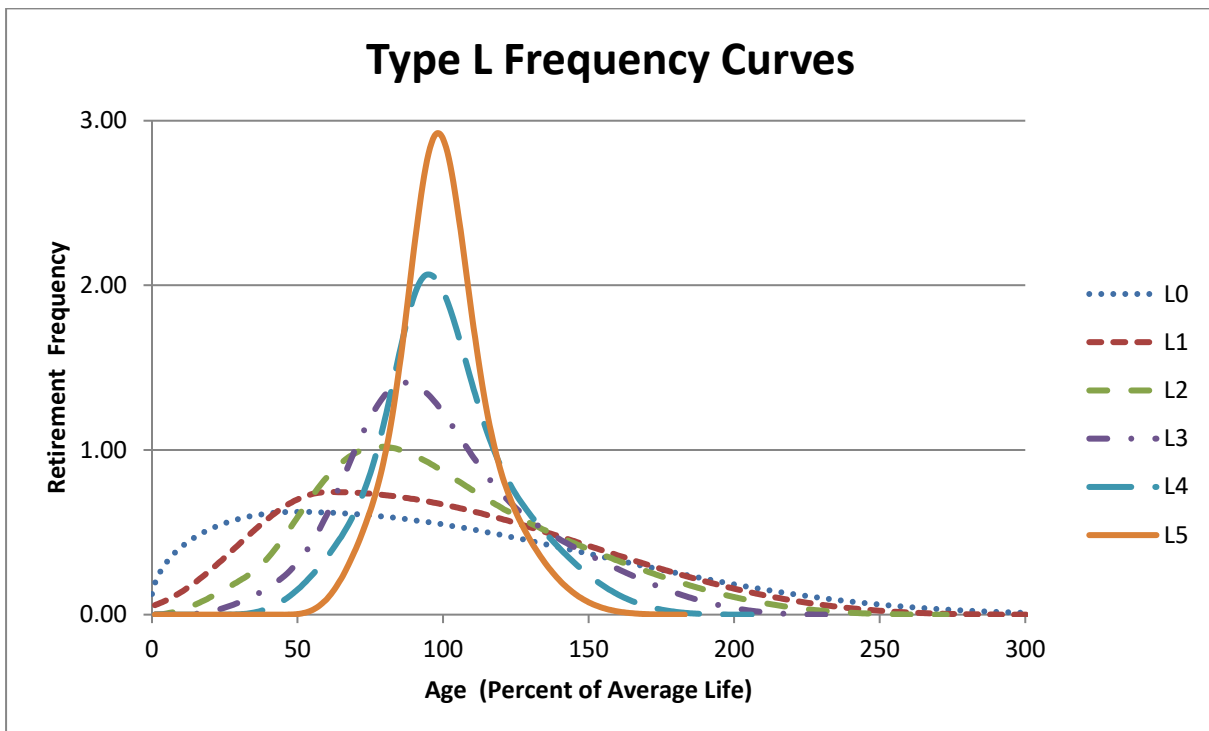
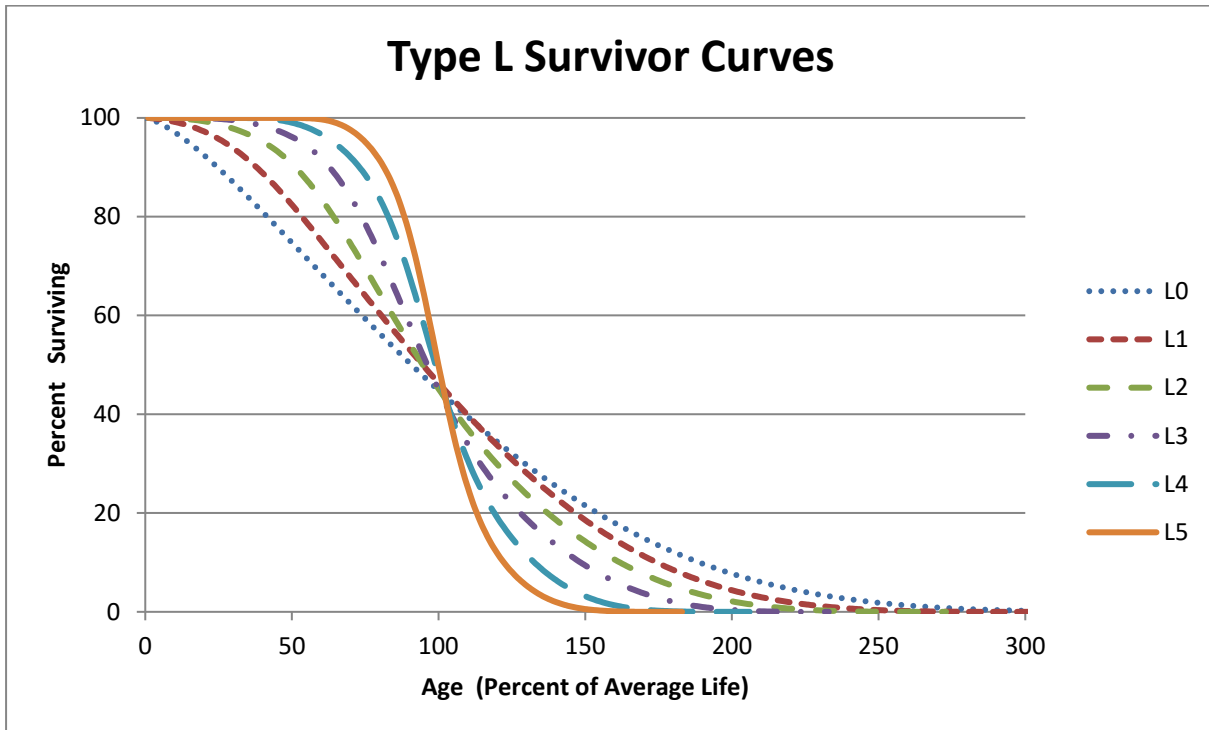


Figure 19:
Type S Survivor and Frequency Curves

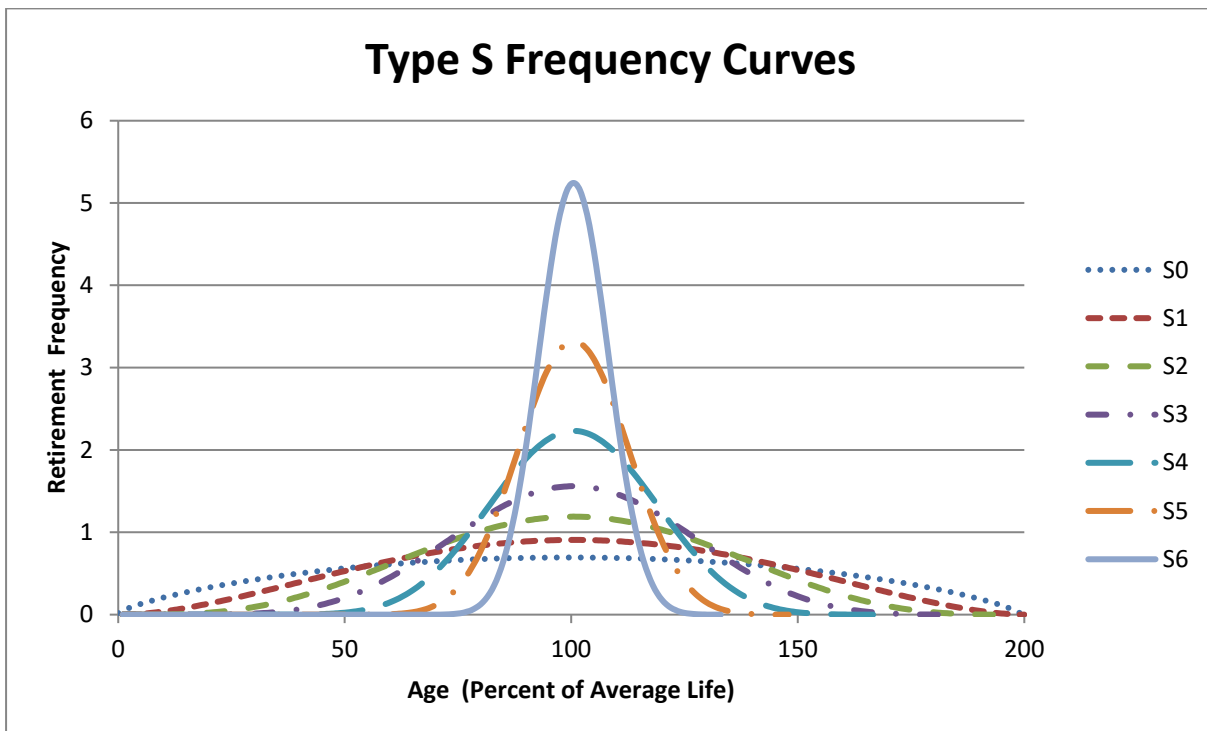
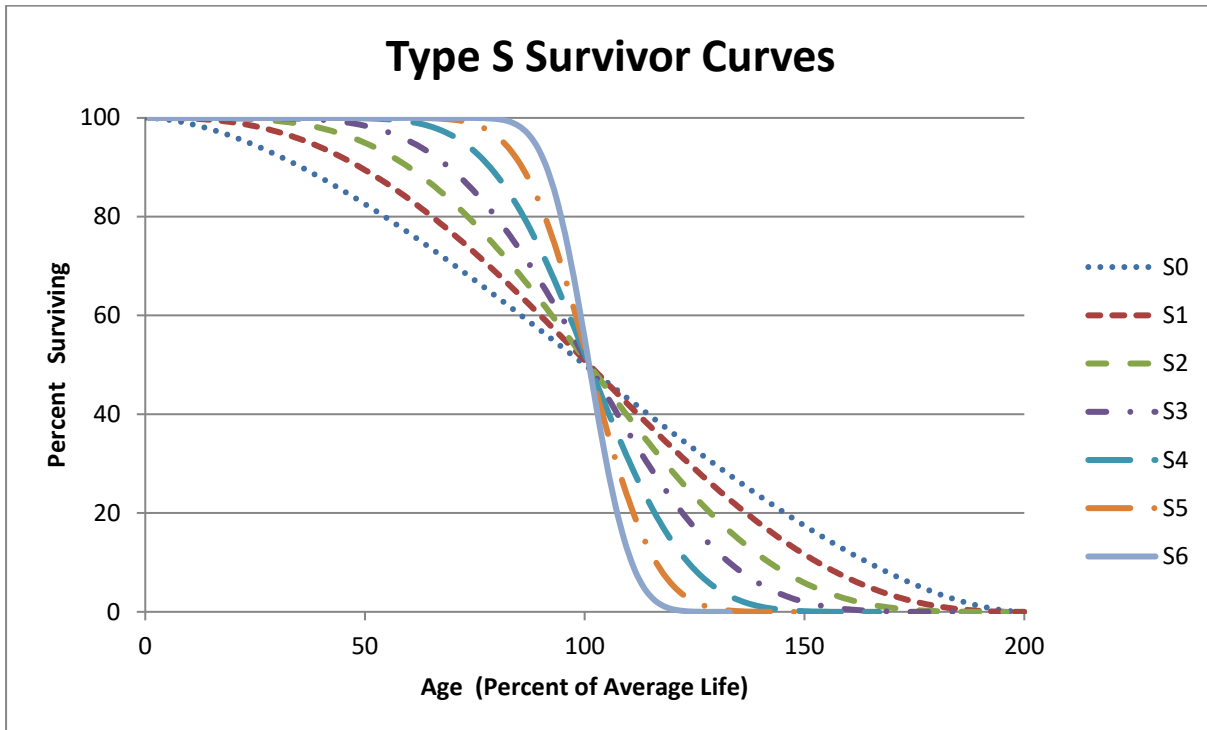
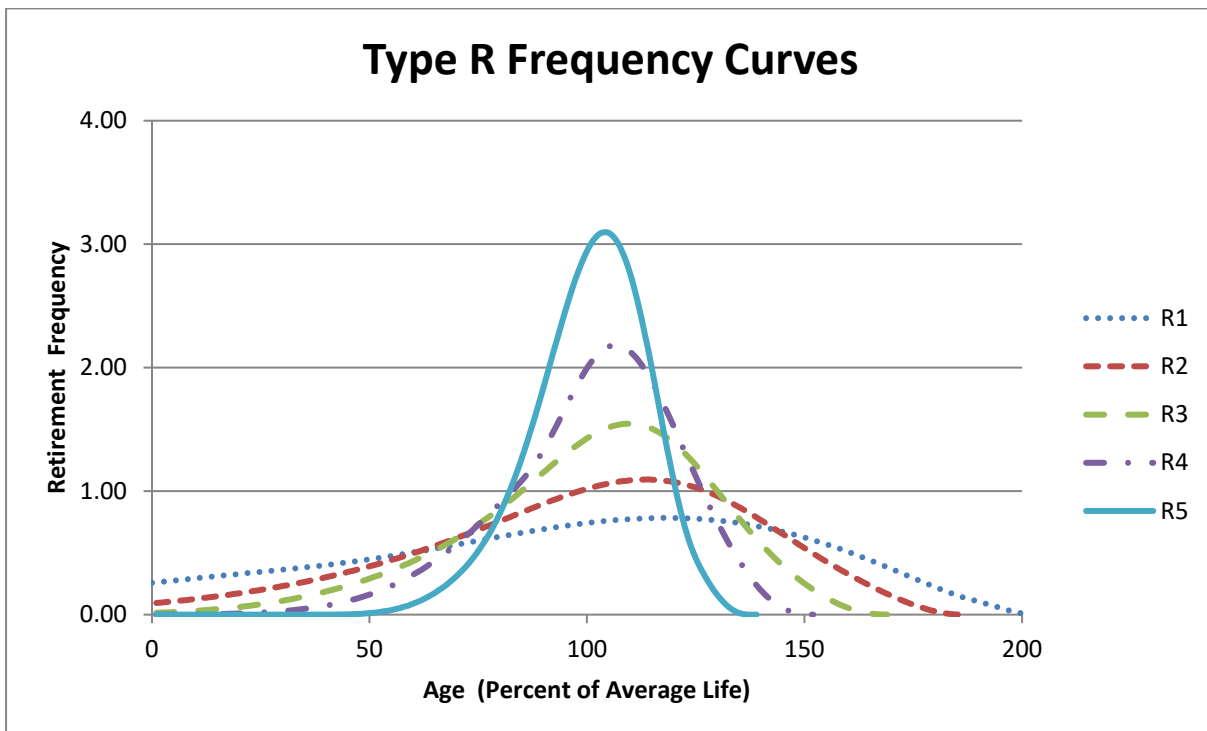
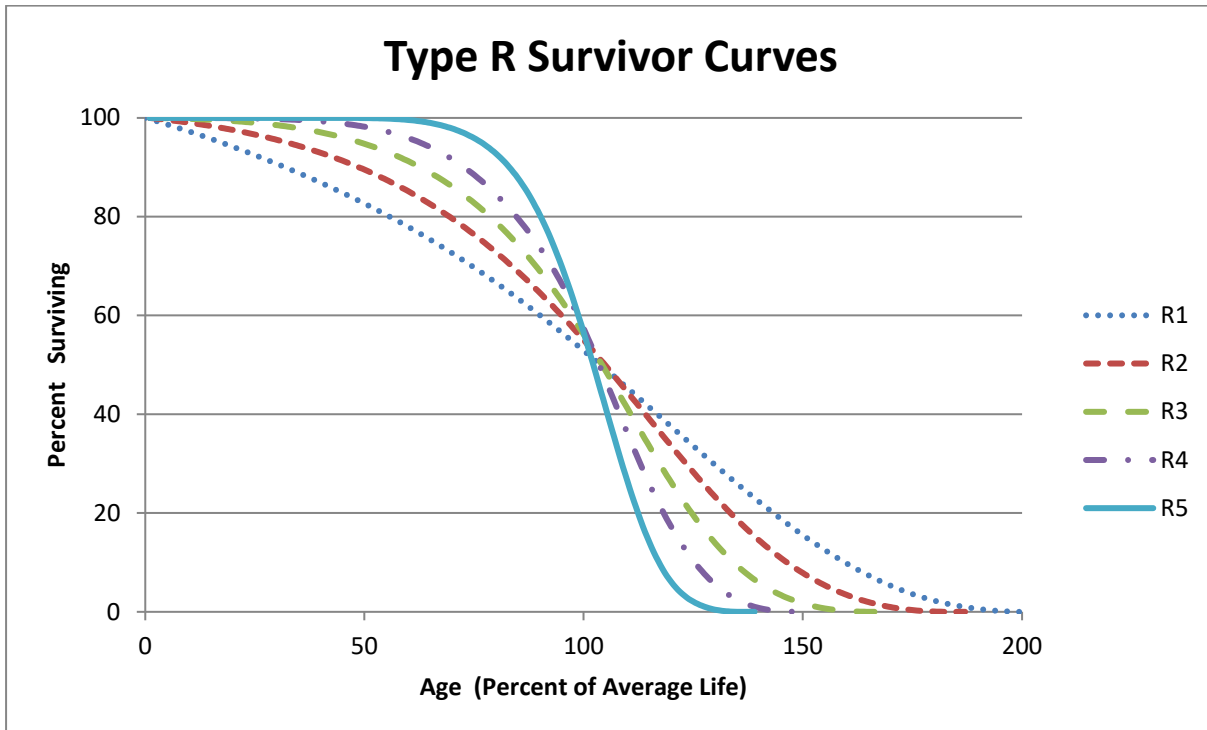


Figure 20:
Type R Survivor and Frequency Curves



As shown in the graphs above, the modes for the L family frequency curves occur to the left of average life (100% on the x-axis), while the S family modes occur at the average, and the R family modes occur after the average.

3. Types of Lives

Several other important statistical analyses and types of lives may be derived from an Iowa curve. These include: 1) average life; 2) realized life; 3) remaining life; and 4) probable life. The figure below illustrates these concepts. It shows the frequency curve, survivor curve, and probable life curve. Age M_x on the x-axis represents the modal age, while age AL_x represents the average age. Thus, this figure illustrates an “L type” Iowa curve since the mode occurs before the average.⁶⁵

First, average life is the area under the survivor curve from age zero to maximum life. Because the survivor curve is measured in percent, the area under the curve must be divided by 100% to convert it from percent-years to years. The formula for average life is as follows:⁶⁶

**Equation 4:
Average Life**

$$\text{Average Life} = \frac{\text{Area Under Survivor Curve from Age 0 to Max Life}}{100\%}$$

Thus, average life may not be determined without a complete survivor curve. Many property groups being analyzed will not have experienced full retirement. This results in a “stub” survivor curve. Iowa curves are used to extend stub curves to maximum life in order for the average life calculation to be made (see Appendix C).

⁶⁵ From age zero to age M_x on the survivor curve, it could be said that the percent surviving from this property group is decreasing at an increasing rate. Conversely, from point M_x to maximum on the survivor curve, the percent surviving is decreasing at a decreasing rate.

⁶⁶ See NARUC *supra* n. 7, at 71.

Realized life is similar to average life, except that realized life is the average years of service experienced to date from the vintage's original installations.⁶⁷ As shown in the figure below, realized life is the area under the survivor curve from zero to age RL_x . Likewise, unrealized life is the area under the survivor curve from age RL_x to maximum life. Thus, it could be said that average life equals realized life plus unrealized life.

Average remaining life represents the future years of service expected from the surviving property.⁶⁸ Remaining life is sometimes referred to as "average remaining life" and "life expectancy." To calculate average remaining life at age x , the area under the estimated future portion of the survivor curve is divided by the percent surviving at age x (denoted S_x). Thus, the average remaining life formula is:

**Equation 5:
Average Remaining Life**

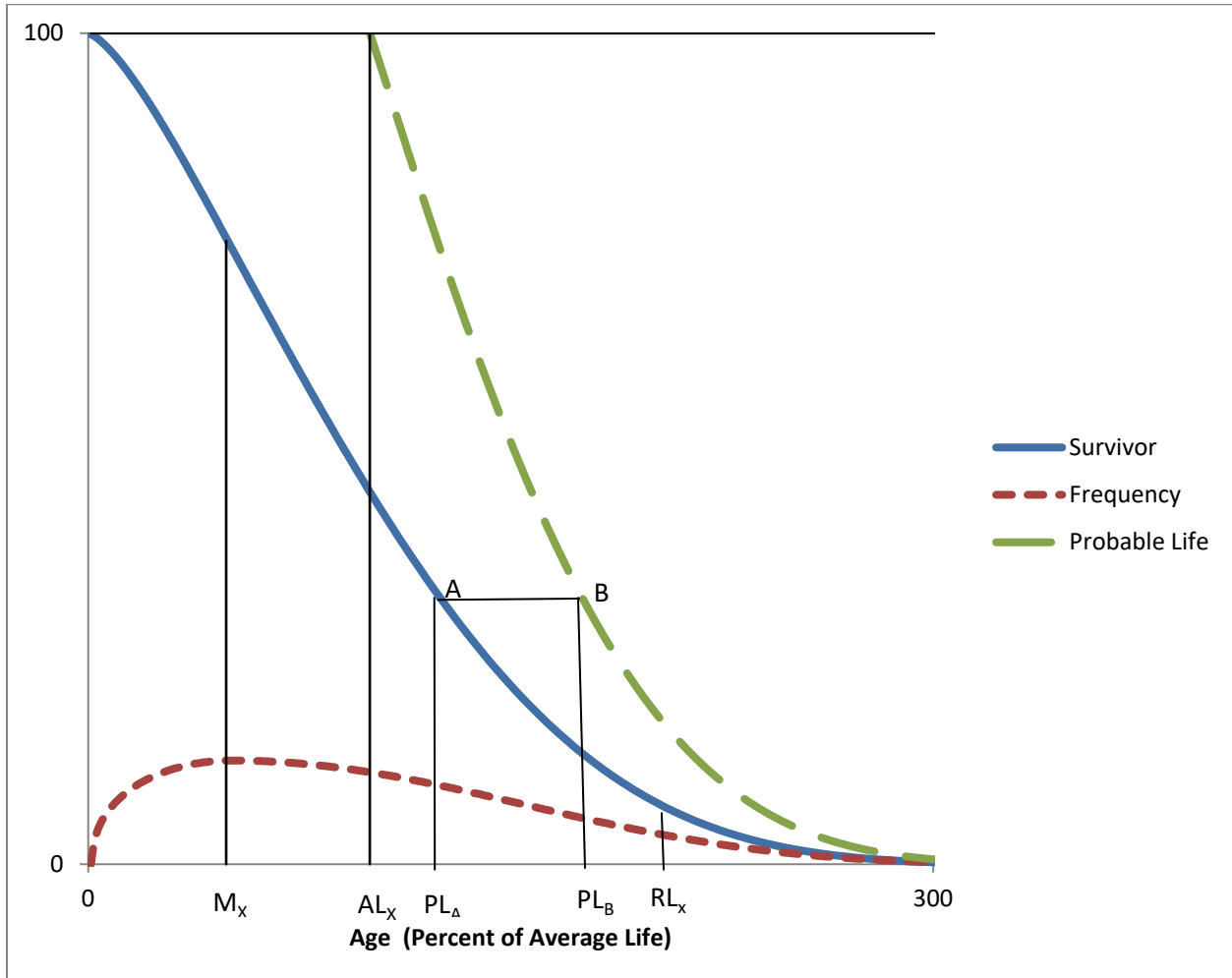
$$\text{Average Remaining Life} = \frac{\text{Area Under Survivor Curve from Age } x \text{ to Max Life}}{S_x}$$

It is necessary to determine average remaining life to calculate the annual accrual under the remaining life technique.

⁶⁷ *Id.* at 73.

⁶⁸ *Id.* at 74.

**Figure 21:
Iowa Curve Derivations**



Finally, the probable life may also be determined from the Iowa curve. The probable life of a property group is the total life expectancy of the property surviving at any age and is equal to the remaining life plus the current age.⁶⁹ The probable life is also illustrated in this figure. The probable life at age PL_A is the age at point PL_B . Thus, to read the probable life at age PL_A , see the corresponding point on the survivor curve above at point “A,” then horizontally to point “B” on

⁶⁹ Wolf *supra* n. 6, at 28.

the probable life curve, and back down to the age corresponding to point “B.” It is no coincidence that the vertical line from AL_X connects at the top of the probable life curve. This is because at age zero, probable life equals average life.

APPENDIX C:
ACTUARIAL ANALYSIS

Actuarial science is a discipline that applies various statistical methods to assess risk probabilities and other related functions. Actuaries often study human mortality. The results from historical mortality data are used to predict how long similar groups of people who are alive today will live. Insurance companies rely on actuarial analysis in determining premiums for life insurance policies.

The study of human mortality is analogous to estimating service lives of industrial property groups. While some humans die solely from chance, most deaths are related to age; that is, death rates generally increase as age increases. Similarly, physical plant is also subject to forces of retirement. These forces include physical, functional, and contingent factors, as shown in the table below.⁷⁰

Figure 22:
Forces of Retirement

<u>Physical Factors</u>	<u>Functional Factors</u>	<u>Contingent Factors</u>
Wear and tear Decay or deterioration Action of the elements	Inadequacy Obsolescence Changes in technology Regulations Managerial discretion	Casualties or disasters Extraordinary obsolescence

While actuaries study historical mortality data in order to predict how long a group of people will live, depreciation analysts must look at a utility’s historical data in order to estimate the average lives of property groups. A utility’s historical data is often contained in the Continuing Property Records (“CPR”). Generally, a CPR should contain 1) an inventory of property record

⁷⁰ NARUC *supra* n. 7, at 14-15.

units; 2) the association of costs with such units; and 3) the dates of installation and removal of plant. Since actuarial analysis includes the examination of historical data to forecast future retirements, the historical data used in the analysis should not contain events that are anomalous or unlikely to recur.⁷¹ Historical data is used in the retirement rate actuarial method, which is discussed further below.

The Retirement Rate Method

There are several systematic actuarial methods that use historical data to calculate observed survivor curves for property groups. Of these methods, the retirement rate method is superior, and is widely employed by depreciation analysts.⁷² The retirement rate method is ultimately used to develop an observed survivor curve, which can be fitted with an Iowa curve discussed in Appendix B to forecast average life. The observed survivor curve is calculated by using an observed life table (“OLT”). The figures below illustrate how the OLT is developed. First, historical property data are organized in a matrix format, with placement years on the left forming rows, and experience years on the top forming columns. The placement year (a.k.a. “vintage year” or “installation year”) is the year of placement into service of a group of property. The experience year (a.k.a. “activity year”) refers to the accounting data for a particular calendar year. The two matrices below use aged data – that is, data for which the dates of placements, retirements, transfers, and other transactions are known. Without aged data, the retirement rate actuarial method may not be employed. The first matrix is the exposure matrix, which shows the exposures

⁷¹ *Id.* at 112-13.

⁷² Anson Marston, Robley Winfrey & Jean C. Hempstead, *Engineering Valuation and Depreciation* 154 (2nd ed., McGraw-Hill Book Company, Inc. 1953).

at the beginning of each year.⁷³ An exposure is simply the depreciable property subject to retirement during a period. The second matrix is the retirement matrix, which shows the annual retirements during each year. Each matrix covers placement years 2003–2015, and experience years 2008-2015. In the exposure matrix, the number in the 2012 experience column and the 2003 placement row is \$192,000. This means at the beginning of 2012, there was \$192,000 still exposed to retirement from the vintage group placed in 2003. Likewise, in the retirement matrix, \$19,000 of the dollars invested in 2003 were retired during 2012.

**Figure 23:
Exposure Matrix**

Placement Years	Experience Years								Total at Start of Age Interval	Age Interval
	Exposures at January 1 of Each Year (Dollars in 000's)									
	2008	2009	2010	2011	2012	2013	2014	2015		
2003	261	245	228	211	192	173	152	131	131	11.5 - 12.5
2004	267	252	236	220	202	184	165	145	297	10.5 - 11.5
2005	304	291	277	263	248	232	216	198	536	9.5 - 10.5
2006	345	334	322	310	298	284	270	255	847	8.5 - 9.5
2007	367	357	347	335	324	312	299	286	1,201	7.5 - 8.5
2008	375	366	357	347	336	325	314	302	1,581	6.5 - 7.5
2009		377	366	356	346	336	327	319	1,986	5.5 - 6.5
2010			381	369	358	347	336	327	2,404	4.5 - 5.5
2011				386	372	359	346	334	2,559	3.5 - 4.5
2012					395	380	366	352	2,722	2.5 - 3.5
2013						401	385	370	2,866	1.5 - 2.5
2014							410	393	2,998	0.5 - 1.5
2015								416	3,141	0.0 - 0.5
Total	1919	2222	2514	2796	3070	3333	3586	3827	23,268	

⁷³ Technically, the last numbers in each column are “gross additions” rather than exposures. Gross additions do not include adjustments and transfers applicable to plant placed in a previous year. Once retirements, adjustments, and transfers are factored in, the balance at the beginning of the next accounting period is called an “exposure” rather than an addition.

**Figure 24:
Retirement Matrix**

Placement Years	Experience Years								Total During Age Interval	Age Interval
	Retirements During the Year (Dollars in 000's)									
	2008	2009	2010	2011	2012	2013	2014	2015		
2003	16	17	18	19	19	20	21	23	23	11.5 - 12.5
2004	15	16	17	17	18	19	20	21	43	10.5 - 11.5
2005	13	14	14	15	16	17	17	18	59	9.5 - 10.5
2006	11	12	12	13	13	14	15	15	71	8.5 - 9.5
2007	10	11	11	12	12	13	13	14	82	7.5 - 8.5
2008	9	9	10	10	11	11	12	13	91	6.5 - 7.5
2009		11	10	10	9	9	9	8	95	5.5 - 6.5
2010			12	11	11	10	10	9	100	4.5 - 5.5
2011				14	13	13	12	11	93	3.5 - 4.5
2012					15	14	14	13	91	2.5 - 3.5
2013						16	15	14	93	1.5 - 2.5
2014							17	16	100	0.5 - 1.5
2015								18	112	0.0 - 0.5
Total	74	89	104	121	139	157	175	194	1,052	

These matrices help visualize how exposure and retirement data are calculated for each age interval. An age interval is typically one year. A common convention is to assume that any unit installed during the year is installed in the middle of the calendar year (i.e., July 1st). This convention is called the “half-year convention” and effectively assumes that all units are installed uniformly during the year.⁷⁴ Adoption of the half-year convention leads to age intervals of 0-0.5 years, 0.5-1.5 years, etc., as shown in the matrices.

The purpose of the matrices is to calculate the totals for each age interval, which are shown in the second column from the right in each matrix. This column is calculated by adding each number from the corresponding age interval in the matrix. For example, in the exposure matrix, the total amount of exposures at the beginning of the 8.5-9.5 age interval is \$847,000. This number was calculated by adding the numbers shown on the “stairs” to the left (192+184+216+255=847). The same calculation is applied to each number in the column. The amounts retired during the year

⁷⁴ Wolf *supra* n. 6, at 22.

in the retirements matrix affect the exposures at the beginning of each year in the exposures matrix. For example, the amount exposed to retirement in 2008 from the 2003 vintage is \$261,000. The amount retired during 2008 from the 2003 vintage is \$16,000. Thus, the amount exposed to retirement at the beginning of 2009 from the 2003 vintage is \$245,000 (\$261,000 - \$16,000). The company's property records may contain other transactions which affect the property, including sales, transfers, and adjusting entries. Although these transactions are not shown in the matrices above, they would nonetheless affect the amount exposed to retirement at the beginning of each year.

The totaled amounts for each age interval in both matrices are used to form the exposure and retirement columns in the OLT, as shown in the chart below. This chart also shows the retirement ratio and the survivor ratio for each age interval. The retirement ratio for an age interval is the ratio of retirements during the interval to the property exposed to retirement at the beginning of the interval. The retirement ratio represents the probability that the property surviving at the beginning of an age interval will be retired during the interval. The survivor ratio is simply the complement to the retirement ratio ($1 - \text{retirement ratio}$). The survivor ratio represents the probability that the property surviving at the beginning of an age interval will survive to the next age interval.

**Figure 25:
Observed Life Table**

Age at Start of Interval	Exposures at Start of Age Interval	Retirements During Age Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Start of Age Interval
A	B	C	D = C / B	E = 1 - D	F
0.0	3,141	112	0.036	0.964	100.00
0.5	2,998	100	0.033	0.967	96.43
1.5	2,866	93	0.032	0.968	93.21
2.5	2,722	91	0.033	0.967	90.19
3.5	2,559	93	0.037	0.963	87.19
4.5	2,404	100	0.042	0.958	84.01
5.5	1,986	95	0.048	0.952	80.50
6.5	1,581	91	0.058	0.942	76.67
7.5	1,201	82	0.068	0.932	72.26
8.5	847	71	0.084	0.916	67.31
9.5	536	59	0.110	0.890	61.63
10.5	297	43	0.143	0.857	54.87
11.5	131	23	0.172	0.828	47.01
Total	23,268	1,052			38.91

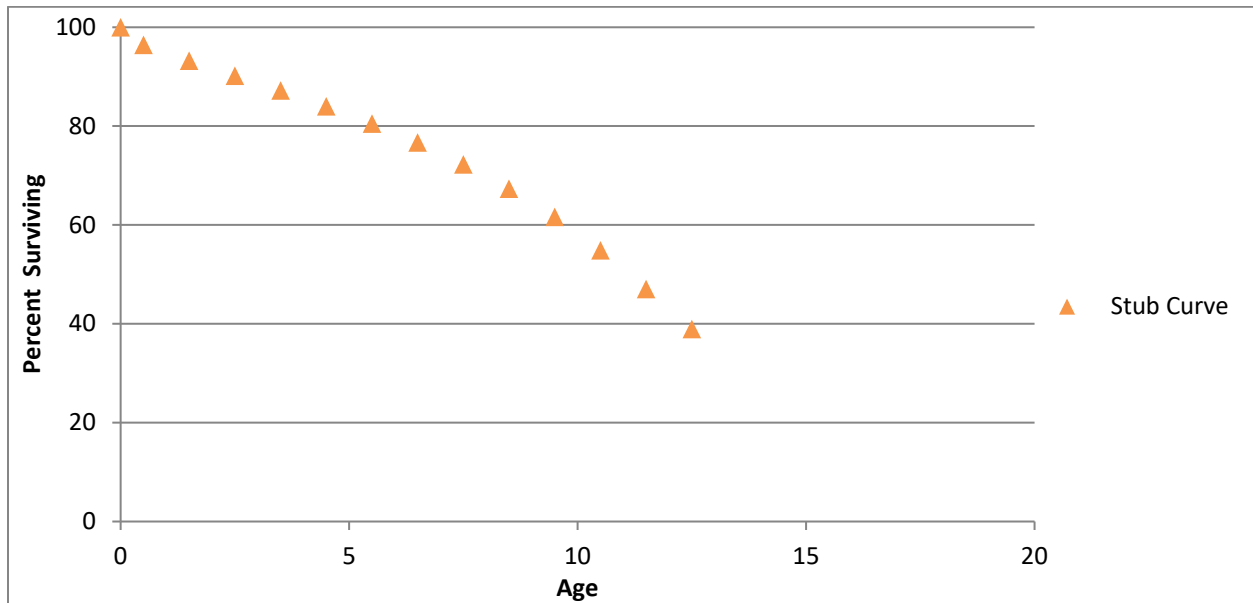
Column F on the right shows the percentages surviving at the beginning of each age interval. This column starts at 100% surviving. Each consecutive number below is calculated by multiplying the percent surviving from the previous age interval by the corresponding survivor ratio for that age interval. For example, the percent surviving at the start of age interval 1.5 is 93.21%, which was calculated by multiplying the percent surviving for age interval 0.5 (96.43%) by the survivor ratio for age interval 0.5 (0.967)⁷⁵.

The percentages surviving in Column F are the numbers that are used to form the original survivor curve. This particular curve starts at 100% surviving and ends at 38.91% surviving. An

⁷⁵ Multiplying 96.43 by 0.967 does not equal 93.21 exactly due to rounding.

observed survivor curve such as this that does not reach zero percent surviving is called a “stub” curve. The figure below illustrates the stub survivor curve derived from the OLT above.

**Figure 26:
Original “Stub” Survivor Curve**



The matrices used to develop the basic OLT and stub survivor curve provide a basic illustration of the retirement rate method in that only a few placement and experience years were used. In reality, analysts may have several decades of aged property data to analyze. In that case, it may be useful to use a technique called “banding” in order to identify trends in the data.

Banding

The forces of retirement and characteristics of industrial property are constantly changing. A depreciation analyst may examine the magnitude of these changes. Analysts often use a technique called “banding” to assist with this process. Banding refers to the merging of several years of data into a single data set for further analysis, and it is a common technique associated

with the retirement rate method.⁷⁶ There are three primary benefits of using bands in depreciation analysis:

- 1 1. Increasing the sample size. In statistical analyses, the larger the sample size
2 in relation to the body of total data, the greater the reliability of the result;
- 3 2. Smooth the observed data. Generally, the data obtained from a single
4 activity or vintage year will not produce an observed life table that can be
5 easily fit; and
- 6 3. Identify trends. By looking at successive bands, the analyst may identify
7 broad trends in the data that may be useful in projecting the future life
8 characteristics of the property.⁷⁷

Two common types of banding methods are the “placement band” method and the “experience band” method.” A placement band, as the name implies, isolates selected placement years for analysis. The figure below illustrates the same exposure matrix shown above, except that only the placement years 2005-2008 are considered in calculating the total exposures at the beginning of each age interval.

⁷⁶ NARUC *supra* n. 7, at 113.

⁷⁷ *Id.*

**Figure 27:
Placement Bands**

Placement Years	Experience Years								Total at Start of Age Interval	Age Interval
	Exposures at January 1 of Each Year (Dollars in 000's)									
	2008	2009	2010	2011	2012	2013	2014	2015		
2003	261	245	228	211	192	173	152	131		11.5 - 12.5
2004	267	252	236	220	202	184	165	145		10.5 - 11.5
2005	304	291	277	263	248	232	216	198	198	9.5 - 10.5
2006	345	334	322	310	298	284	270	255	471	8.5 - 9.5
2007	367	357	347	335	324	312	299	286	788	7.5 - 8.5
2008	375	366	357	347	336	325	314	302	1,133	6.5 - 7.5
2009		377	366	356	346	336	327	319	1,186	5.5 - 6.5
2010			381	369	358	347	336	327	1,237	4.5 - 5.5
2011				386	372	359	346	334	1,285	3.5 - 4.5
2012					395	380	366	352	1,331	2.5 - 3.5
2013						401	385	370	1,059	1.5 - 2.5
2014							410	393	733	0.5 - 1.5
2015								416	375	0.0 - 0.5
Total	1919	2222	2514	2796	3070	3333	3586	3827	9,796	

The shaded cells within the placement band equal the total exposures at the beginning of age interval 4.5–5.5 (\$1,237). The same placement band would be used for the retirement matrix covering the same placement years of 2005 – 2008. This of course would result in a different OLT and original stub survivor curve than those that were calculated above without the restriction of a placement band.

Analysts often use placement bands for comparing the survivor characteristics of properties with different physical characteristics.⁷⁸ Placement bands allow analysts to isolate the effects of changes in technology and materials that occur in successive generations of plant. For example, if in 2005 an electric utility began placing transmission poles into service with a special chemical treatment that extended the service lives of those poles, an analyst could use placement bands to isolate and analyze the effect of that change in the property group’s physical characteristics. While placement bands are very useful in depreciation analysis, they also possess an intrinsic dilemma.

⁷⁸ Wolf *supra* n. 6, at 182.

A fundamental characteristic of placement bands is that they yield fairly complete survivor curves for older vintages. However, with newer vintages, which are arguably more valuable for forecasting, placement bands yield shorter survivor curves. Longer “stub” curves are considered more valuable for forecasting average life. Thus, an analyst must select a band width broad enough to provide confidence in the reliability of the resulting curve fit yet narrow enough so that an emerging trend may be observed.⁷⁹

Analysts also use “experience bands.” Experience bands show the composite retirement history for all vintages during a select set of activity years. The figure below shows the same data presented in the previous exposure matrices, except that the experience band from 2011 – 2013 is isolated, resulting in different interval totals.

**Figure 28:
Experience Bands**

Placement Years	Experience Years								Total at Start of Age Interval	Age Interval
	Exposures at January 1 of Each Year (Dollars in 000's)									
	2008	2009	2010	2011	2012	2013	2014	2015		
2003	261	245	228	211	192	173	152	131		11.5 - 12.5
2004	267	252	236	220	202	184	165	145		10.5 - 11.5
2005	304	291	277	263	248	232	216	198	173	9.5 - 10.5
2006	345	334	322	310	298	284	270	255	376	8.5 - 9.5
2007	367	357	347	335	324	312	299	286	645	7.5 - 8.5
2008	375	366	357	347	336	325	314	302	752	6.5 - 7.5
2009		377	366	356	346	336	327	319	872	5.5 - 6.5
2010			381	369	358	347	336	327	959	4.5 - 5.5
2011				386	372	359	346	334	1,008	3.5 - 4.5
2012					395	380	366	352	1,039	2.5 - 3.5
2013						401	385	370	1,072	1.5 - 2.5
2014							410	393	1,121	0.5 - 1.5
2015								416	1,182	0.0 - 0.5
Total	1919	2222	2514	2796	3070	3333	3586	3827	9,199	

The shaded cells within the experience band equal the total exposures at the beginning of age interval 4.5–5.5 (\$1,237). The same experience band would be used for the retirement matrix

⁷⁹ NARUC *supra* n. 7, at 114.

covering the same experience years of 2011 – 2013. This of course would result in a different OLT and original stub survivor than if the band had not been used. Analysts often use experience bands to isolate and analyze the effects of an operating environment over time.⁸⁰ Likewise, the use of experience bands allows analysis of the effects of an unusual environmental event. For example, if an unusually severe ice storm occurred in 2013, destruction from that storm would affect an electric utility's line transformers of all ages. That is, each of the line transformers from each placement year would be affected, including those recently installed in 2012, as well as those installed in 2003. Using experience bands, an analyst could isolate or even eliminate the 2013 experience year from the analysis. In contrast, a placement band would not effectively isolate the ice storm's effect on life characteristics. Rather, the placement band would show an unusually large rate of retirement during 2013, making it more difficult to accurately fit the data with a smooth Iowa curve. Experience bands tend to yield the most complete stub curves for recent bands because they have the greatest number of vintages included. Longer stub curves are better for forecasting. The experience bands, however, may also result in more erratic retirement dispersion making the curve fitting process more difficult.

Depreciation analysts must use professional judgment in determining the types of bands to use and the band widths. In practice, analysts may use various combinations of placement and experience bands in order to increase the data sample size, identify trends and changes in life characteristics, and isolate unusual events. Regardless of which bands are used, observed survivor curves in depreciation analysis rarely reach zero percent. This is because, as seen in the OLT above, relatively newer vintage groups have not yet been fully retired at the time the property is

⁸⁰ *Id.*

studied. An analyst could confine the analysis to older, fully retired vintage groups to get complete survivor curves, but such analysis would ignore some of the property currently in service and would arguably not provide an accurate description of life characteristics for current plant in service. Because a complete curve is necessary to calculate the average life of the property group, however, curve fitting techniques using Iowa curves or other standardized curves may be employed in order to complete the stub curve.

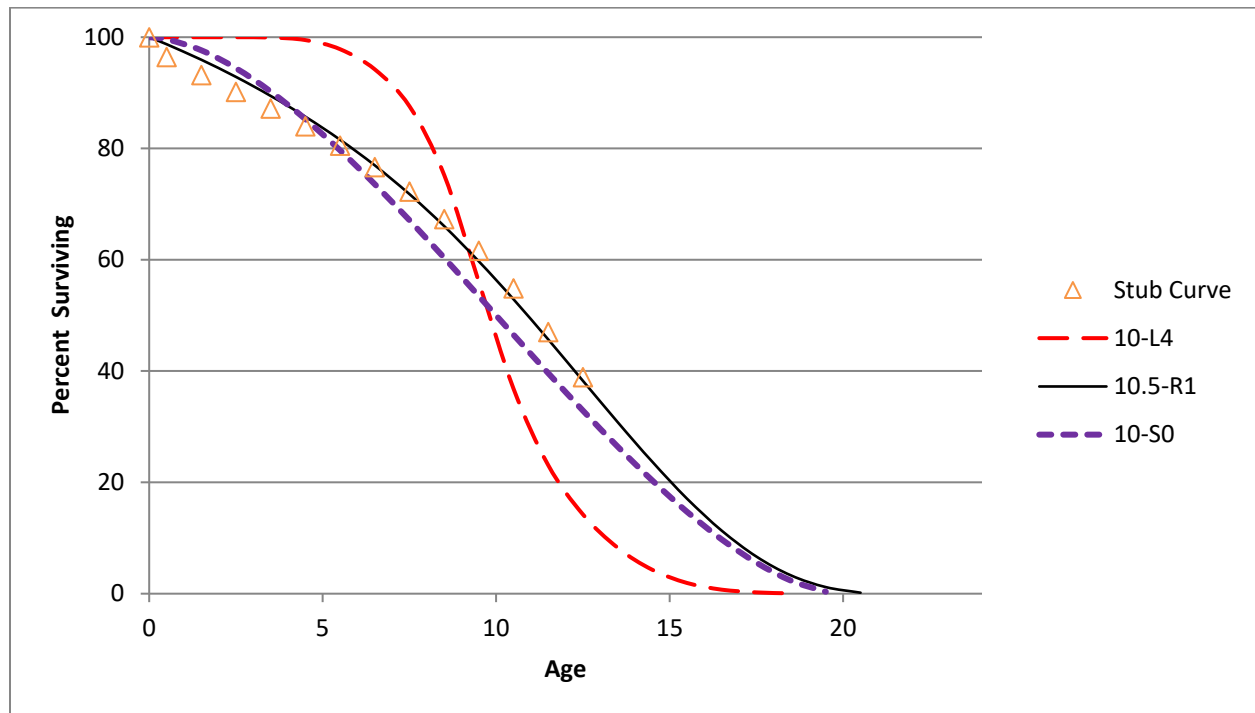
Curve Fitting

Depreciation analysts typically use the survivor curve rather than the frequency curve to fit the observed stub curves. The most commonly used generalized survivor curves in the curve fitting process are the Iowa curves discussed above. As Wolf notes, if “the Iowa curves are adopted as a model, an underlying assumption is that the process describing the retirement pattern is one of the 22 [or more] processes described by the Iowa curves.”⁸¹

Curve fitting may be done through visual matching or mathematical matching. In visual curve fitting, the analyst visually examines the plotted data to make an initial judgment about the Iowa curves that may be a good fit. The figure below illustrates the stub survivor curve shown above. It also shows three different Iowa curves: the 10-L4, the 10.5-R1, and the 10-S0. Visually, it is clear that the 10.5-R1 curve is a better fit than the other two curves.

⁸¹ Wolf *supra* n. 6, at 46 (22 curves includes Winfrey’s 18 original curves plus Cowles’s four “O” type curves).

**Figure 29:
Visual Curve Fitting**



In mathematical fitting, the least squares method is used to calculate the best fit. This mathematical method would be excessively time consuming if done by hand. With the use of modern computer software however, mathematical fitting is an efficient and useful process. The typical logic for a computer program, as well as the software employed for the analysis in this testimony is as follows:

First (an Iowa curve) curve is arbitrarily selected. . . . If the observed curve is a stub curve, . . . calculate the area under the curve and up to the age at final data point. Call this area the realized life. Then systematically vary the average life of the theoretical survivor curve and calculate its realized life at the age corresponding to the study date. This trial and error procedure ends when you find an average life such that the realized life of the theoretical curve equals the realized life of the observed curve. Call this the average life.

Once the average life is found, calculate the difference between each percent surviving point on the observed survivor curve and the corresponding point on the Iowa curve. Square each difference and sum them. The sum of squares is used as a measure of goodness of fit for that particular Iowa type curve. This procedure is

repeated for the remaining 21 Iowa type curves. The “best fit” is declared to be the type of curve that minimizes the sum of differences squared.⁸²

Mathematical fitting requires less judgment from the analyst and is thus less subjective. Blind reliance on mathematical fitting, however, may lead to poor estimates. Thus, analysts should employ both mathematical and visual curve fitting in reaching their final estimates. This way, analysts may utilize the objective nature of mathematical fitting while still employing professional judgment. As Wolf notes: “The results of mathematical curve fitting serve as a guide for the analyst and speed the visual fitting process. But the results of the mathematical fitting should be checked visually, and the final determination of the best fit be made by the analyst.”⁸³

In the graph above, visual fitting was sufficient to determine that the 10.5-R1 Iowa curve was a better fit than the 10-L4 and the 10-S0 curves. Using the sum of least squares method, mathematical fitting confirms the same result. In the chart below, the percentages surviving from the OLT that formed the original stub curve are shown in the left column, while the corresponding percentages surviving for each age interval are shown for the three Iowa curves. The right portion of the chart shows the differences between the points on each Iowa curve and the stub curve. These differences are summed at the bottom. Curve 10.5-R1 is the best fit because the sum of the squared differences for this curve is less than the same sum for the other two curves. Curve 10-L4 is the worst fit, which was also confirmed visually.

⁸² Wolf *supra* n. 6, at 47.

⁸³ *Id.* at 48.

**Figure 30:
Mathematical Fitting**

Age Interval	Stub Curve	Iowa Curves			Squared Differences		
		10-L4	10-S0	10.5-R1	10-L4	10-S0	10.5-R1
0.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0
0.5	96.4	100.0	99.7	98.7	12.7	10.3	5.3
1.5	93.2	100.0	97.7	96.0	46.1	19.8	7.6
2.5	90.2	100.0	94.4	92.9	96.2	18.0	7.2
3.5	87.2	100.0	90.2	89.5	162.9	9.3	5.2
4.5	84.0	99.5	85.3	85.7	239.9	1.6	2.9
5.5	80.5	97.9	79.7	81.6	301.1	0.7	1.2
6.5	76.7	94.2	73.6	77.0	308.5	9.5	0.1
7.5	72.3	87.6	67.1	71.8	235.2	26.5	0.2
8.5	67.3	75.2	60.4	66.1	62.7	48.2	1.6
9.5	61.6	56.0	53.5	59.7	31.4	66.6	3.6
10.5	54.9	36.8	46.5	52.9	325.4	69.6	3.9
11.5	47.0	23.1	39.6	45.7	572.6	54.4	1.8
12.5	38.9	14.2	32.9	38.2	609.6	36.2	0.4
SUM					3004.2	371.0	41.0

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DAVID J. GARRETT

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EDUCATION

University of Oklahoma Master of Business Administration Areas of Concentration: Finance, Energy	Norman, OK 2014
University of Oklahoma College of Law Juris Doctor Member, American Indian Law Review	Norman, OK 2007
University of Oklahoma Bachelor of Business Administration Major: Finance	Norman, OK 2003

PROFESSIONAL DESIGNATIONS

Society of Depreciation Professionals
Certified Depreciation Professional (CDP)

Society of Utility and Regulatory Financial Analysts
Certified Rate of Return Analyst (CRRA)

The Mediation Institute
Certified Civil / Commercial & Employment Mediator

WORK EXPERIENCE

Resolve Utility Consulting PLLC <u>Managing Member</u> Provide expert analysis and testimony specializing in depreciation and cost of capital issues for clients in utility regulatory proceedings.	Oklahoma City, OK 2016 – Present
Oklahoma Corporation Commission <u>Public Utility Regulatory Analyst</u> <u>Assistant General Counsel</u> Represented commission staff in utility regulatory proceedings and provided legal opinions to commissioners. Provided expert analysis and testimony in depreciation, cost of capital, incentive compensation, payroll and other issues.	Oklahoma City, OK 2012 – 2016 2011 – 2012

Perebus Counsel, PLLC

Managing Member

Represented clients in the areas of family law, estate planning, debt negotiations, business organization, and utility regulation.

Oklahoma City, OK
2009 – 2011

Moricoli & Schovanec, P.C.

Associate Attorney

Represented clients in the areas of contracts, oil and gas, business structures and estate administration.

Oklahoma City, OK
2007 – 2009

TEACHING EXPERIENCE

University of Oklahoma

Adjunct Instructor – “Conflict Resolution”

Adjunct Instructor – “Ethics in Leadership”

Norman, OK
2014 – Present

Rose State College

Adjunct Instructor – “Legal Research”

Adjunct Instructor – “Oil & Gas Law”

Midwest City, OK
2013 – 2015

PUBLICATIONS

American Indian Law Review

“Vine of the Dead: Reviving Equal Protection Rites for Religious Drug Use”
(31 Am. Indian L. Rev. 143)

Norman, OK
2006

VOLUNTEER EXPERIENCE

Calm Waters

Board Member

Participate in management of operations, attend meetings, review performance, compensation, and financial records. Assist in fundraising events.

Oklahoma City, OK
2015 – 2018

Group Facilitator & Fundraiser

Facilitate group meetings designed to help children and families cope with divorce and tragic events. Assist in fundraising events.

2014 – 2018

St. Jude Children’s Research Hospital

Oklahoma Fundraising Committee

Raised money for charity by organizing local fundraising events.

Oklahoma City, OK
2008 – 2010

PROFESSIONAL ASSOCIATIONS

Oklahoma Bar Association	2007 – Present
Society of Depreciation Professionals <u>Board Member – President</u> Participate in management of operations, attend meetings, review performance, organize presentation agenda.	2014 – Present 2017
Society of Utility Regulatory Financial Analysts	2014 – Present

SELECTED CONTINUING PROFESSIONAL EDUCATION

Society of Depreciation Professionals “Life and Net Salvage Analysis” Extensive instruction on utility depreciation, including actuarial and simulation life analysis modes, gross salvage, cost of removal, life cycle analysis, and technology forecasting.	Austin, TX 2015
Society of Depreciation Professionals “Introduction to Depreciation” and “Extended Training” Extensive instruction on utility depreciation, including average lives and net salvage.	New Orleans, LA 2014
Society of Utility and Regulatory Financial Analysts 46th Financial Forum. “The Regulatory Compact: Is it Still Relevant?” Forum discussions on current issues.	Indianapolis, IN 2014
New Mexico State University, Center for Public Utilities Current Issues 2012, “The Santa Fe Conference” Forum discussions on various current issues in utility regulation.	Santa Fe, NM 2012
Michigan State University, Institute of Public Utilities “39th Eastern NARUC Utility Rate School” One-week, hands-on training emphasizing the fundamentals of the utility ratemaking process.	Clearwater, FL 2011
New Mexico State University, Center for Public Utilities “The Basics: Practical Regulatory Training for the Changing Electric Industries” One-week, hands-on training designed to provide a solid foundation in core areas of utility ratemaking.	Albuquerque, NM 2010
The Mediation Institute “Civil / Commercial & Employment Mediation Training” Extensive instruction and mock mediations designed to build foundations in conducting mediations in civil matters.	Oklahoma City, OK 2009

Utility Regulatory Proceedings

Regulatory Agency	Utility Applicant	Docket Number	Issues Addressed	Parties Represented
Railroad Commission of Texas	Texas Gas Services Company	GUD 10928	Depreciation rates, service lives, net salvage	Gulf Coast Service Area Steering Committee
Public Utilities Commission of the State of California	Southern California Edison	A.19-08-013	Depreciation rates, service lives, net salvage	The Utility Reform Network
Massachusetts Department of Public Utilities	NSTAR Gas Company	D.P.U. 19-120	Depreciation rates, service lives, net salvage	Massachusetts Office of the Attorney General, Office of Ratepayer Advocacy
Georgia Public Service Commission	Liberty Utilities (Peach State Natural Gas)	42959	Depreciation rates, service lives, net salvage	Public Interest Advocacy Staff
Florida Public Service Commission	Florida Public Utilities Company	20190155-El 20190156-El 20190174-El	Depreciation rates, service lives, net salvage	Florida Office of Public Counsel
Illinois Commerce Commission	Commonwealth Edison Company	20-0393	Depreciation rates, service lives, net salvage	The Office of the Illinois Attorney General
Public Utility Commission of Texas	Southwestern Public Service Company	PUC 49831	Depreciation rates, service lives, net salvage	Alliance of Xcel Municipalities
South Carolina Public Service Commission	Blue Granite Water Company	2019-290-WS	Depreciation rates, service lives, net salvage	South Carolina Office of Regulatory Staff
Railroad Commission of Texas	CenterPoint Energy Resources	GUD 10920	Depreciation rates and grouping procedure	Alliance of CenterPoint Municipalities
Pennsylvania Public Utility Commission	Aqua Pennsylvania Wastewater	A-2019-3009052	Fair market value estimates for wastewater assets	Pennsylvania Office of Consumer Advocate
New Mexico Public Regulation Commission	Southwestern Public Service Company	19-00170-UT	Cost of capital and authorized rate of return	The New Mexico Large Customer Group; Occidental Permian
Indiana Utility Regulatory Commission	Duke Energy Indiana	45253	Cost of capital, depreciation rates, net salvage	Indiana Office of Utility Consumer Counselor
Maryland Public Service Commission	Columbia Gas of Maryland	9609	Depreciation rates, service lives, net salvage	Maryland Office of People's Counsel
Washington Utilities & Transportation Commission	Avista Corporation	UE-190334	Cost of capital, awarded rate of return, capital structure	Washington Office of Attorney General

Utility Regulatory Proceedings

Regulatory Agency	Utility Applicant	Docket Number	Issues Addressed	Parties Represented
Indiana Utility Regulatory Commission	Indiana Michigan Power Company	45235	Cost of capital, depreciation rates, net salvage	Indiana Office of Utility Consumer Counselor
Public Utilities Commission of the State of California	Pacific Gas & Electric Company	18-12-009	Depreciation rates, service lives, net salvage	The Utility Reform Network
Oklahoma Corporation Commission	The Empire District Electric Company	PUD 201800133	Cost of capital, authorized ROE, depreciation rates	Oklahoma Industrial Energy Consumers and Oklahoma Energy Results
Arkansas Public Service Commission	Southwestern Electric Power Company	19-008-U	Cost of capital, depreciation rates, net salvage	Western Arkansas Large Energy Consumers
Public Utility Commission of Texas	CenterPoint Energy Houston Electric	PUC 49421	Depreciation rates, service lives, net salvage	Texas Coast Utilities Coalition
Massachusetts Department of Public Utilities	Massachusetts Electric Company and Nantucket Electric Company	D.P.U. 18-150	Depreciation rates, service lives, net salvage	Massachusetts Office of the Attorney General, Office of Ratepayer Advocacy
Oklahoma Corporation Commission	Oklahoma Gas & Electric Company	PUD 201800140	Cost of capital, authorized ROE, depreciation rates	Oklahoma Industrial Energy Consumers and Oklahoma Energy Results
Public Service Commission of the State of Montana	Montana-Dakota Utilities Company	D2018.9.60	Depreciation rates, service lives, net salvage	Montana Consumer Counsel and Denbury Onshore
Indiana Utility Regulatory Commission	Northern Indiana Public Service Company	45159	Depreciation rates, grouping procedure, demolition costs	Indiana Office of Utility Consumer Counselor
Public Service Commission of the State of Montana	NorthWestern Energy	D2018.2.12	Depreciation rates, service lives, net salvage	Montana Consumer Counsel
Oklahoma Corporation Commission	Public Service Company of Oklahoma	PUD 201800097	Depreciation rates, service lives, net salvage	Oklahoma Industrial Energy Consumers and Wal-Mart
Nevada Public Utilities Commission	Southwest Gas Corporation	18-05031	Depreciation rates, service lives, net salvage	Nevada Bureau of Consumer Protection
Public Utility Commission of Texas	Texas-New Mexico Power Company	PUC 48401	Depreciation rates, service lives, net salvage	Alliance of Texas-New Mexico Power Municipalities
Oklahoma Corporation Commission	Oklahoma Gas & Electric Company	PUD 201700496	Depreciation rates, service lives, net salvage	Oklahoma Industrial Energy Consumers and Oklahoma Energy Results

Utility Regulatory Proceedings

Regulatory Agency	Utility Applicant	Docket Number	Issues Addressed	Parties Represented
Maryland Public Service Commission	Washington Gas Light Company	9481	Depreciation rates, service lives, net salvage	Maryland Office of People's Counsel
Indiana Utility Regulatory Commission	Citizens Energy Group	45039	Depreciation rates, service lives, net salvage	Indiana Office of Utility Consumer Counselor
Public Utility Commission of Texas	Entergy Texas, Inc.	PUC 48371	Depreciation rates, decommissioning costs	Texas Municipal Group
Washington Utilities & Transportation Commission	Avista Corporation	UE-180167	Depreciation rates, service lives, net salvage	Washington Office of Attorney General
New Mexico Public Regulation Commission	Southwestern Public Service Company	17-00255-UT	Cost of capital and authorized rate of return	HollyFrontier Navajo Refining; Occidental Permian
Public Utility Commission of Texas	Southwestern Public Service Company	PUC 47527	Depreciation rates, plant service lives	Alliance of Xcel Municipalities
Public Service Commission of the State of Montana	Montana-Dakota Utilities Company	D2017.9.79	Depreciation rates, service lives, net salvage	Montana Consumer Counsel
Florida Public Service Commission	Florida City Gas	20170179-GU	Cost of capital, depreciation rates	Florida Office of Public Counsel
Washington Utilities & Transportation Commission	Avista Corporation	UE-170485	Cost of capital and authorized rate of return	Washington Office of Attorney General
Wyoming Public Service Commission	Powder River Energy Corporation	10014-182-CA-17	Credit analysis, cost of capital	Private customer
Oklahoma Corporation Commission	Public Service Co. of Oklahoma	PUD 201700151	Depreciation, terminal salvage, risk analysis	Oklahoma Industrial Energy Consumers
Public Utility Commission of Texas	Oncor Electric Delivery Company	PUC 46957	Depreciation rates, simulated analysis	Alliance of Oncor Cities
Nevada Public Utilities Commission	Nevada Power Company	17-06004	Depreciation rates, service lives, net salvage	Nevada Bureau of Consumer Protection
Public Utility Commission of Texas	El Paso Electric Company	PUC 46831	Depreciation rates, interim retirements	City of El Paso

Utility Regulatory Proceedings

Regulatory Agency	Utility Applicant	Docket Number	Issues Addressed	Parties Represented
Idaho Public Utilities Commission	Idaho Power Company	IPC-E-16-24	Accelerated depreciation of North Valmy plant	Micron Technology, Inc.
Idaho Public Utilities Commission	Idaho Power Company	IPC-E-16-23	Depreciation rates, service lives, net salvage	Micron Technology, Inc.
Public Utility Commission of Texas	Southwestern Electric Power Company	PUC 46449	Depreciation rates, decommissioning costs	Cities Advocating Reasonable Deregulation
Massachusetts Department of Public Utilities	Eversource Energy	D.P.U. 17-05	Cost of capital, capital structure, and rate of return	Sunrun Inc.; Energy Freedom Coalition of America
Railroad Commission of Texas	Atmos Pipeline - Texas	GUD 10580	Depreciation rates, grouping procedure	City of Dallas
Public Utility Commission of Texas	Sharyland Utility Company	PUC 45414	Depreciation rates, simulated analysis	City of Mission
Oklahoma Corporation Commission	Empire District Electric Company	PUD 201600468	Cost of capital, depreciation rates	Oklahoma Industrial Energy Consumers
Railroad Commission of Texas	CenterPoint Energy Texas Gas	GUD 10567	Depreciation rates, simulated plant analysis	Texas Coast Utilities Coalition
Arkansas Public Service Commission	Oklahoma Gas & Electric Company	160-159-GU	Cost of capital, depreciation rates, terminal salvage	Arkansas River Valley Energy Consumers; Wal-Mart
Florida Public Service Commission	Peoples Gas	160-159-GU	Depreciation rates, service lives, net salvage	Florida Office of Public Counsel
Arizona Corporation Commission	Arizona Public Service Company	E-01345A-16-0036	Cost of capital, depreciation rates, terminal salvage	Energy Freedom Coalition of America
Nevada Public Utilities Commission	Sierra Pacific Power Company	16-06008	Depreciation rates, net salvage, theoretical reserve	Northern Nevada Utility Customers
Oklahoma Corporation Commission	Oklahoma Gas & Electric Co.	PUD 201500273	Cost of capital, depreciation rates, terminal salvage	Public Utility Division
Oklahoma Corporation Commission	Public Service Co. of Oklahoma	PUD 201500208	Cost of capital, depreciation rates, terminal salvage	Public Utility Division

Utility Regulatory Proceedings

Regulatory Agency	Utility Applicant	Docket Number	Issues Addressed	Parties Represented
Oklahoma Corporation Commission	Oklahoma Natural Gas Company	PUD 201500213	Cost of capital, depreciation rates, net salvage	Public Utility Division

Summary Accrual Adjustment

Exhibit DJG-2

	[1]	[2]	[3]	[4]
Plant Function	Plant Balance 12/31/2018	DESC Proposed Accrual	ORS Proposed Accrual	ORS Accrual Adjustment
Steam Production	\$ 1,998,579,163	\$ 69,425,001	\$ 59,619,090	\$ (9,805,911)
Nuclear Production	1,345,228,656	26,007,226	26,006,180	(1,046)
Hydraulic Production	626,949,096	5,351,761	5,156,283	(195,478)
Other Production	954,468,363	25,164,575	22,389,035	(2,775,540)
Transmission	1,649,657,193	46,145,995	41,734,983	(4,411,012)
Distribution	3,336,931,308	82,911,649	79,940,414	(2,971,235)
General	147,608,161	4,823,729	4,829,611	5,882
Common	198,650,987	5,570,341	5,571,289	948
Total Plant Studied	\$ 10,258,072,927	\$ 265,400,277	\$ 245,246,886	\$ (20,153,391)

[1], [2] From depreciation study

[3] From Exhibit DJG-4

[4] = [3] - [2]

Mass Property Parameter Comparison

Account No.	Description	DESC Proposal				ORS Proposal			
		Iowa Curve		Depr	Annual	Iowa Curve		Depr	Annual
		Type	AL	Rate	Accrual	Type	AL	Rate	Accrual
	<u>TRANSMISSION PLANT</u>								
355.00	POLES AND FIXTURES	S1 - 53		3.44%	16,085,952	L1.5 - 59		2.97%	13,877,190
355.50	POLES AND FIXTURES - NND	S1 - 53		3.33%	3,465,061	L1.5 - 59		2.98%	3,102,730
356.10	OH CONDUCTORS - OVERHEAD	R2.5 - 57		3.18%	8,726,343	S0.5 - 64		2.59%	7,114,744
356.20	OH CONDUCTORS - FIBER OPTIC	R2.5 - 57		3.14%	94,915	S0.5 - 64		2.61%	78,701
356.50	OH CONDUCTORS - NND	R2.5 - 57		2.84%	1,866,290	S0.5 - 64		2.53%	1,659,444
	<u>DISTRIBUTION PLANT</u>								
365.00	OH CONDUCTORS	R1.5 - 60		1.62%	8,505,166	R1 - 64		1.50%	7,890,372
368.00	LINE TRANSFORMERS	R2.5 - 44		2.24%	11,072,626	R2 - 46		2.10%	10,377,279
369.00	SERVICES - OVERHEAD	R3 - 70		2.40%	2,639,545	R3 - 75		2.22%	2,441,937
369.10	SERVICES - UNDERGROUND	S3 - 70		1.69%	3,202,365	S3 - 80		1.44%	2,729,427
373.00	STREET LIGHTING	S0.5 - 39		2.93%	10,164,611	L1 - 42		2.63%	9,128,585

Detailed Rate Comparison

Account No.	Description	[1]	[2]		[3]		[4]	
		Plant 12/31/2018	DESC Proposal		ORS Proposal		Difference	
			Rate	Annual Accrual	Rate	Annual Accrual	Rate	Annual Accrual
STEAM PRODUCTION PLANT								
<u>Central Lab</u>								
311.00	STRUCTURES AND IMPROVEMENTS	3,511,818	2.45%	85,893	1.59%	55,921	-0.86%	-29,972
315.00	ACCESSORY ELECTRIC EQUIPMENT	58,757	1.51%	890	0.89%	524	-0.62%	-366
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	2,778,701	3.77%	104,862	4.01%	111,330	0.24%	6,468
	Total Central Lab	6,349,276	3.02%	191,645	2.64%	167,775	-0.38%	-23,870
<u>Cope</u>								
311.00	STRUCTURES AND IMPROVEMENTS	81,673,528	1.73%	1,413,668	1.55%	1,264,644	-0.18%	-149,024
312.00	BOILER PLANT EQUIPMENT	346,125,882	2.82%	9,767,309	2.34%	8,114,691	-0.48%	-1,652,618
314.00	TURBOGENERATOR UNITS	86,916,388	1.87%	1,623,727	1.62%	1,406,966	-0.25%	-216,761
315.00	ACCESSORY ELECTRIC EQUIPMENT	23,796,036	1.58%	376,093	1.49%	355,748	-0.09%	-20,345
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	11,904,437	2.22%	264,145	2.59%	308,317	0.37%	44,172
	Total Cope	550,416,271	2.44%	13,444,942	2.08%	11,450,365	-0.36%	-1,994,577
<u>McMeekin</u>								
311.00	STRUCTURES AND IMPROVEMENTS	19,020,282	3.06%	582,796	2.61%	496,690	-0.45%	-86,106
312.00	BOILER PLANT EQUIPMENT	113,209,656	4.60%	5,207,507	3.77%	4,265,954	-0.83%	-941,553
314.00	TURBOGENERATOR UNITS	40,614,429	3.67%	1,490,704	3.19%	1,295,574	-0.48%	-195,130
315.00	ACCESSORY ELECTRIC EQUIPMENT	11,308,283	3.07%	347,476	2.88%	325,872	-0.19%	-21,604
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	4,629,348	3.30%	152,690	3.99%	184,911	0.69%	32,221
	Total McMeekin	188,781,998	4.12%	7,781,173	3.48%	6,569,002	-0.64%	-1,212,171
<u>Urquhart</u>								
311.00	STRUCTURES AND IMPROVEMENTS	17,187,922	2.76%	474,353	1.99%	341,187	-0.77%	-133,166
312.00	BOILER PLANT EQUIPMENT	24,785,427	6.86%	1,699,284	5.59%	1,385,999	-1.27%	-313,285
314.00	TURBOGENERATOR UNITS	62,075,363	4.83%	3,000,036	4.03%	2,502,961	-0.80%	-497,075
315.00	ACCESSORY ELECTRIC EQUIPMENT	17,015,473	5.75%	978,875	5.29%	899,680	-0.46%	-79,195
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	5,487,072	4.47%	245,446	4.99%	274,024	0.52%	28,578
	Total Urquhart	126,551,258	5.06%	6,397,994	4.27%	5,403,851	-0.79%	-994,143
<u>Wateree</u>								
311.00	STRUCTURES AND IMPROVEMENTS	141,131,238	3.58%	5,055,770	3.26%	4,595,850	-0.32%	-459,920

Detailed Rate Comparison

Account No.	Description	[1]	[2]		[3]		[4]	
		Plant	DESC Proposal		ORS Proposal		Difference	
		12/31/2018	Rate	Annual Accrual	Rate	Annual Accrual	Rate	Annual Accrual
312.00	BOILER PLANT EQUIPMENT	595,296,475	4.20%	25,024,492	3.59%	21,345,191	-0.61%	-3,679,301
314.00	TURBOGENERATOR UNITS	138,823,189	3.23%	4,490,157	2.87%	3,977,989	-0.36%	-512,168
315.00	ACCESSORY ELECTRIC EQUIPMENT	34,975,774	3.40%	1,190,823	3.27%	1,144,254	-0.13%	-46,569
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	8,176,082	3.61%	294,891	4.16%	340,210	0.55%	45,319
	Total Wateree	918,402,757	3.93%	36,056,133	3.42%	31,403,493	-0.51%	-4,652,640
	<u>Jasper</u>							
311.00	STRUCTURES AND IMPROVEMENTS	25,965	5.01%	1,301	4.53%	1,177	-0.48%	-124
312.00	BOILER PLANT EQUIPMENT	472,406	5.45%	25,748	4.68%	22,109	-0.77%	-3,639
314.00	TURBOGENERATOR UNITS	100,137,640	4.42%	4,421,150	3.87%	3,876,169	-0.55%	-544,981
315.00	ACCESSORY ELECTRIC EQUIPMENT	6,631,970	3.92%	260,080	3.63%	240,781	-0.29%	-19,299
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	496,560	4.12%	20,464	4.48%	22,246	0.36%	1,782
	Total Jasper	107,764,541	4.39%	4,728,743	3.86%	4,162,482	-0.53%	-566,261
	<u>Columbia Energy Center</u>							
311.00	STRUCTURES AND IMPROVEMENTS	4,625,000	1.10%	50,903	0.80%	36,972	-0.30%	-13,931
312.00	BOILER PLANT EQUIPMENT	24,512,500	0.71%	173,600	0.19%	47,155	-0.52%	-126,445
314.00	TURBOGENERATOR UNITS	69,415,284	0.83%	577,829	0.50%	350,223	-0.33%	-227,606
315.00	ACCESSORY ELECTRIC EQUIPMENT	2,778	1.04%	29	0.88%	25	-0.16%	-4
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	1,757,500	1.25%	22,010	1.58%	27,747	0.33%	5,737
	Total Columbia Energy Center	100,313,062	0.82%	824,371	0.46%	462,122	-0.36%	-362,249
	Total Steam Production Plant	1,998,579,163	3.47%	69,425,001	2.98%	59,619,090	-0.49%	-9,805,911
	NUCLEAR PRODUCTION PLANT							
321.00	STRUCTURES AND IMPROVEMENTS	336,884,725	1.32%	4,451,901	1.32%	4,450,767	0.00%	-1,134
322.00	REACTOR PLANT EQUIPMENT	606,850,056	1.72%	10,417,169	1.71%	10,406,567	-0.01%	-10,602
323.00	TURBOGENERATOR UNITS	106,865,604	2.74%	2,925,434	2.74%	2,930,624	0.00%	5,190
324.00	ACCESSORY ELECTRIC EQUIPMENT	115,146,991	1.31%	1,507,014	1.31%	1,508,722	0.00%	1,708
325.00	MISCELLANEOUS POWER PLANT EQUIPMENT	160,794,365	3.76%	6,051,594	3.77%	6,056,302	0.01%	4,708
325.10	MISCELLANEOUS POWER PLANT EQUIPMENT - CYBER	18,686,915	3.50%	654,114	3.50%	653,199	0.00%	-915
	Total Nuclear Production Plant	1,345,228,656	1.93%	26,007,226	1.93%	26,006,180	0.00%	-1,046
	HYDRAULIC PRODUCTION PLANT							

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<u>Fairfield</u>								
331.00	STRUCTURES AND IMPROVEMENTS	36,801,419	0.96%	352,183	0.94%	347,366	-0.02%	-4,817
332.00	RESERVOIRS, DAMS AND WATERWAYS	74,792,871	0.99%	742,399	0.86%	642,676	-0.13%	-99,723
333.00	WATER WHEELS, TURBINES AND GENERATORS	67,528,739	1.42%	957,227	1.33%	895,386	-0.09%	-61,841
334.00	ACCESSORY ELECTRIC EQUIPMENT	22,652,370	2.55%	577,989	2.53%	573,409	-0.02%	-4,580
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	6,545,445	2.30%	150,589	2.62%	171,686	0.32%	21,097
336.00	ROADS, RAILROADS AND BRIDGES	1,328,336	1.07%	14,174	1.60%	21,222	0.53%	7,048
Total Fairfield		209,649,181	1.33%	2,794,561	1.26%	2,651,745	-0.07%	-142,816
<u>Neal Shoals</u>								
331.00	STRUCTURES AND IMPROVEMENTS	827,541	1.63%	13,515	1.61%	13,357	-0.02%	-158
332.00	RESERVOIRS, DAMS AND WATERWAYS	3,660,825	2.95%	107,965	2.64%	96,769	-0.31%	-11,196
333.00	WATER WHEELS, TURBINES AND GENERATORS	3,707,773	2.52%	93,438	2.35%	87,230	-0.17%	-6,208
334.00	ACCESSORY ELECTRIC EQUIPMENT	495,223	2.50%	12,400	2.49%	12,310	-0.01%	-90
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	374,307	2.11%	7,888	2.55%	9,544	0.44%	1,656
336.00	ROADS, RAILROADS AND BRIDGES	2,645	0.60%	16	1.18%	31	0.58%	15
Total Neal Shoals		9,068,315	2.59%	235,222	2.42%	219,242	-0.18%	-15,980
<u>Parr</u>								
331.00	STRUCTURES AND IMPROVEMENTS	1,905,617	2.35%	44,863	2.33%	44,383	-0.02%	-480
332.00	RESERVOIRS, DAMS AND WATERWAYS	4,805,841	2.19%	105,060	1.92%	92,460	-0.27%	-12,600
333.00	WATER WHEELS, TURBINES AND GENERATORS	2,833,821	2.49%	70,430	2.33%	66,159	-0.16%	-4,271
334.00	ACCESSORY ELECTRIC EQUIPMENT	2,033,550	2.28%	46,427	2.25%	45,770	-0.03%	-657
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	512,589	1.85%	9,481	2.21%	11,305	0.36%	1,824
336.00	ROADS, RAILROADS AND BRIDGES	124,198	0.77%	957	1.21%	1,498	0.44%	541
Total Parr		12,215,615	2.27%	277,218	2.14%	261,575	-0.13%	-15,643
<u>Saluda</u>								
331.00	STRUCTURES AND IMPROVEMENTS	7,324,983	1.48%	108,425	1.19%	87,103	-0.29%	-21,322
332.00	RESERVOIRS, DAMS AND WATERWAYS	21,829,603	1.16%	253,798	0.66%	144,426	-0.50%	-109,372
332.50	RESERVOIRS, DAMS AND WATERWAYS - SALUDA BACKUP DAM	332,839,644	0.34%	1,115,224	0.39%	1,310,213	0.05%	194,989
333.00	WATER WHEELS, TURBINES AND GENERATORS	10,098,848	1.52%	153,139	1.07%	108,057	-0.45%	-45,082
334.00	ACCESSORY ELECTRIC EQUIPMENT	6,002,083	2.85%	170,946	2.43%	146,017	-0.42%	-24,929
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	2,209,592	1.77%	39,037	1.74%	38,365	-0.03%	-672
336.00	ROADS, RAILROADS AND BRIDGES	233,527	0.80%	1,870	0.88%	2,056	0.08%	186

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	Total Saluda	380,538,279	0.48%	1,842,439	0.48%	1,836,236	0.00%	-6,203
	<u>Stevens Creek</u>							
331.00	STRUCTURES AND IMPROVEMENTS	3,150,963	1.16%	36,569	1.13%	35,514	-0.03%	-1,055
332.00	RESERVOIRS, DAMS AND WATERWAYS	6,430,203	1.12%	72,292	0.92%	59,055	-0.20%	-13,237
333.00	WATER WHEELS, TURBINES AND GENERATORS	3,212,692	1.56%	50,248	1.43%	45,914	-0.13%	-4,334
334.00	ACCESSORY ELECTRIC EQUIPMENT	1,112,316	1.94%	21,616	1.89%	21,025	-0.05%	-591
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	1,442,721	1.41%	20,314	1.68%	24,267	0.27%	3,953
336.00	ROADS, RAILROADS AND BRIDGES	128,812	1.00%	1,282	1.33%	1,710	0.33%	428
	Total Stevens Creek	15,477,707	1.31%	202,321	1.21%	187,485	-0.10%	-14,836
	<u>Total Hydraulic Production Plant</u>	<u>626,949,096</u>	<u>0.85%</u>	<u>5,351,761</u>	<u>0.82%</u>	<u>5,156,283</u>	<u>-0.03%</u>	<u>-195,478</u>
	OTHER PRODUCTION PLANT							
	<u>Coit</u>							
341.00	STRUCTURES AND IMPROVEMENTS	181,877	2.25%	4,089	2.27%	4,132	0.02%	43
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	596,416	3.06%	18,251	2.10%	12,542	-0.96%	-5,709
343.00	PRIME MOVERS	1,356,532	4.11%	55,686	3.62%	49,049	-0.49%	-6,637
344.00	GENERATORS	3,490,096	2.15%	75,028	0.61%	21,284	-1.54%	-53,744
345.00	ACCESSORY ELECTRIC EQUIPMENT	618,018	4.89%	30,230	3.92%	24,235	-0.97%	-5,995
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	154,038	1.76%	2,711	2.80%	4,320	1.04%	1,609
	Total Coit	6,396,976	2.91%	185,995	1.81%	115,562	-1.10%	-70,433
	<u>Hagood Unit 4</u>							
341.00	STRUCTURES AND IMPROVEMENTS	3,525,303	1.85%	65,307	1.91%	67,458	0.06%	2,151
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	912,784	1.87%	17,101	1.44%	13,148	-0.43%	-3,953
343.00	PRIME MOVERS	24,382,980	1.48%	361,838	1.22%	298,452	-0.26%	-63,386
344.00	GENERATORS	6,077,154	2.13%	129,703	1.45%	87,949	-0.68%	-41,754
345.00	ACCESSORY ELECTRIC EQUIPMENT	2,775,657	2.77%	76,963	2.25%	62,503	-0.52%	-14,460
345.50	ACCESSORY ELECTRIC EQUIPMENT - CIPv5	12,906	5.44%	702	5.03%	649	-0.41%	-53
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	404,725	3.73%	15,087	4.30%	17,411	0.57%	2,324
	Total Hagood Unit 4	38,091,508	1.75%	666,701	1.44%	547,570	-0.31%	-119,131
	<u>Hardeeville</u>							

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341.00	STRUCTURES AND IMPROVEMENTS	57,556	0.43%	249	0.75%	435	0.32%	186
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	534,350	0.34%	1,824	-9.34%	-49,886	-9.68%	-51,710
343.00	PRIME MOVERS	798,792	0.03%	207	-4.65%	-37,154	-4.68%	-37,361
344.00	GENERATORS	1,862,867	5.07%	94,443	-9.61%	-178,973	-14.68%	-273,416
345.00	ACCESSORY ELECTRIC EQUIPMENT	282,978	0.91%	2,563	-8.77%	-24,821	-9.68%	-27,384
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	74,225	1.08%	803	11.40%	8,465	10.32%	7,662
	Total Hardeeville	3,610,768	2.77%	100,089	-7.81%	-281,936	-10.58%	-382,025
	<u>Parr</u>							
341.00	STRUCTURES AND IMPROVEMENTS	881,828	2.04%	17,988	2.05%	18,081	0.01%	93
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	565,061	1.70%	9,589	1.14%	6,467	-0.56%	-3,122
343.00	PRIME MOVERS	4,483,552	4.06%	182,114	3.82%	171,152	-0.24%	-10,962
344.00	GENERATORS	3,374,759	3.08%	103,870	2.29%	77,307	-0.79%	-26,563
345.00	ACCESSORY ELECTRIC EQUIPMENT	1,091,579	2.62%	28,564	2.11%	23,012	-0.51%	-5,552
345.50	ACCESSORY ELECTRIC EQUIPMENT - CIPv5	1,832,658	5.25%	96,291	4.78%	87,672	-0.47%	-8,619
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	224,826	2.29%	5,158	2.83%	6,369	0.54%	1,211
	Total Parr	12,454,262	3.56%	443,574	3.13%	390,060	-0.43%	-53,514
	<u>Urquhart Units 1, 2, 3 and Common</u>							
341.00	STRUCTURES AND IMPROVEMENTS	1,625,635	7.49%	121,756	7.37%	119,753	-0.12%	-2,003
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	246,037	7.30%	17,953	6.22%	15,306	-1.08%	-2,647
343.00	PRIME MOVERS	1,040,484	8.00%	83,219	7.37%	76,716	-0.63%	-6,503
344.00	GENERATORS	6,446,775	7.85%	506,112	6.24%	402,532	-1.61%	-103,580
345.00	ACCESSORY ELECTRIC EQUIPMENT	272,174	9.54%	25,963	8.42%	22,927	-1.12%	-3,036
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	107,889	9.49%	10,236	10.38%	11,195	0.89%	959
	Total Urquhart Units 1, 2, 3 and Common	9,738,993	7.86%	765,239	6.66%	648,430	-1.20%	-116,809
	<u>Urquhart Unit 4</u>							
341.00	STRUCTURES AND IMPROVEMENTS	316,053	1.02%	3,210	1.01%	3,205	-0.01%	-5
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	211,142	2.10%	4,437	1.73%	3,657	-0.37%	-780
343.00	PRIME MOVERS	3,618,805	3.72%	134,454	3.52%	127,443	-0.20%	-7,011
344.00	GENERATORS	19,508,023	2.40%	469,035	1.85%	361,148	-0.55%	-107,887
345.00	ACCESSORY ELECTRIC EQUIPMENT	897,653	3.96%	35,541	3.59%	32,243	-0.37%	-3,298
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	80,448	3.74%	3,005	4.12%	3,315	0.38%	310
	Total Urquhart Unit 4	24,632,125	2.64%	649,682	2.16%	531,010	-0.48%	-118,672

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<u>Urquhart Units 5 and 6</u>								
341.00	STRUCTURES AND IMPROVEMENTS	5,247,987	2.15%	113,017	2.22%	116,320	0.07%	3,303
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	3,609,181	1.95%	70,264	1.67%	60,155	-0.28%	-10,109
343.00	PRIME MOVERS	224,455,558	2.63%	5,899,117	2.48%	5,576,203	-0.15%	-322,914
344.00	GENERATORS	13,383,304	2.97%	397,704	2.53%	338,661	-0.44%	-59,043
345.00	ACCESSORY ELECTRIC EQUIPMENT	17,164,380	3.10%	532,436	2.78%	477,703	-0.32%	-54,733
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	186,891	3.14%	5,865	3.57%	6,677	0.43%	812
Total Urquhart Units 5 and 6		264,047,301	2.66%	7,018,403	2.49%	6,575,719	-0.17%	-442,684
<u>Williams - Bushy Park</u>								
341.00	STRUCTURES AND IMPROVEMENTS	613,694	11.09%	68,032	11.33%	69,542	0.24%	1,510
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	159,083	5.10%	8,116	3.70%	5,891	-1.40%	-2,225
343.00	PRIME MOVERS	6,465,048	5.38%	348,052	4.72%	305,458	-0.66%	-42,594
344.00	GENERATORS	76,279	6.68%	5,092	4.52%	3,444	-2.16%	-1,648
345.00	ACCESSORY ELECTRIC EQUIPMENT	418,086	13.21%	55,220	11.86%	49,579	-1.35%	-5,641
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	120,893	6.68%	8,077	8.45%	10,215	1.77%	2,138
Total Williams - Bushy Park		7,853,083	6.27%	492,589	5.66%	444,129	-0.62%	-48,460
<u>Jasper</u>								
341.00	STRUCTURES AND IMPROVEMENTS	28,259,738	3.10%	876,345	3.16%	892,900	0.06%	16,555
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	30,617	4.80%	1,470	4.45%	1,362	-0.35%	-108
343.00	PRIME MOVERS	306,164,116	3.04%	9,297,620	2.86%	8,761,737	-0.18%	-535,883
344.00	GENERATORS	32,735,532	3.76%	1,230,723	3.19%	1,044,439	-0.57%	-186,284
345.00	ACCESSORY ELECTRIC EQUIPMENT	31,258,421	3.75%	1,172,247	3.36%	1,051,132	-0.39%	-121,115
345.50	ACCESSORY ELECTRIC EQUIPMENT - CIPv5	131,998	4.85%	6,408	4.52%	5,960	-0.33%	-448
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	893,302	4.10%	36,659	4.62%	41,283	0.52%	4,624
Total Jasper		399,473,723	3.16%	12,621,472	2.95%	11,798,813	-0.21%	-822,659
<u>Hagood Unit 5</u>								
341.00	STRUCTURES AND IMPROVEMENTS	335,181	2.56%	8,570	2.61%	8,738	0.05%	168
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	336,638	2.66%	8,960	2.44%	8,205	-0.22%	-755
343.00	PRIME MOVERS	5,081,432	1.96%	99,488	1.84%	93,663	-0.12%	-5,825
345.00	ACCESSORY ELECTRIC EQUIPMENT	2,142,451	3.26%	69,874	2.99%	64,109	-0.27%	-5,765
Total Hagood Unit 5		7,895,700	2.37%	186,892	2.21%	174,715	-0.15%	-12,177

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<u>Hagood Unit 6</u>								
341.00	STRUCTURES AND IMPROVEMENTS	665,740	2.50%	16,676	2.55%	16,959	0.05%	283
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	418,639	2.66%	11,143	2.43%	10,177	-0.23%	-966
343.00	PRIME MOVERS	5,836,691	2.50%	145,789	2.38%	138,944	-0.12%	-6,845
344.00	GENERATORS	3,645	2.19%	80	1.84%	67	-0.35%	-13
345.00	ACCESSORY ELECTRIC EQUIPMENT	3,273,297	3.22%	105,242	2.94%	96,075	-0.28%	-9,167
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	63,061	2.73%	1,724	3.10%	1,954	0.37%	230
	Total Hagood Unit 6	10,261,073	2.74%	280,654	2.57%	264,177	-0.16%	-16,477
<u>Columbia Energy Center</u>								
341.00	STRUCTURES AND IMPROVEMENTS	4,168,036	0.69%	28,610	0.71%	29,657	0.02%	1,047
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	5,735,000	0.83%	47,493	0.56%	31,869	-0.27%	-15,624
343.00	PRIME MOVERS	56,636,856	0.62%	350,753	0.48%	273,107	-0.14%	-77,646
344.00	GENERATORS	90,650,000	0.74%	671,882	0.33%	300,086	-0.41%	-371,796
345.00	ACCESSORY ELECTRIC EQUIPMENT	2,952,427	0.58%	17,119	0.30%	8,834	-0.28%	-8,285
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	475,461	0.91%	4,311	1.26%	6,014	0.35%	1,703
	Total Columbia Energy Center	160,617,780	0.70%	1,120,168	0.40%	649,567	-0.29%	-470,601
<u>Boeing Building Solar Project</u>								
341.00	STRUCTURES AND IMPROVEMENTS	117,179	5.74%	6,728	5.71%	6,694	-0.03%	-34
344.00	GENERATORS	7,030,745	6.84%	481,211	5.64%	396,741	-1.20%	-84,470
345.00	ACCESSORY ELECTRIC EQUIPMENT	2,197,108	6.48%	142,326	5.68%	124,848	-0.80%	-17,478
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	17,609	5.05%	890	5.89%	1,036	0.84%	146
	Total Boeing Building Solar Project	9,362,642	6.74%	631,155	5.65%	529,319	-1.09%	-101,836
<u>Solar Farm</u>								
341.00	STRUCTURES AND IMPROVEMENTS	30,432	6.07%	1,848	5.84%	1,778	-0.23%	-70
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	1,996	5.71%	114	6.06%	121	0.35%	7
	Total Solar Farm	32,428	6.05%	1,962	5.86%	1,899	-0.19%	-63
	Total Other Production Plant	954,468,363	2.64%	25,164,575	2.35%	22,389,035	-0.29%	-2,775,540
TRANSMISSION PLANT								

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352.00	STRUCTURES AND IMPROVEMENTS							
	V.C. SUMMER - NUCLEAR	3,967,509	2.78%	110,459	2.78%	110,413	0.00%	-46
	OTHER LOCATIONS	910,638	0.16%	1,477	0.16%	1,476	0.00%	-1
	Total Structures and Improvements	4,878,147	2.29%	111,936	2.29%	111,889	0.00%	-47
352.50	STRUCTURES AND IMPROVEMENTS - CIPv5							
	V.C. SUMMER - NUCLEAR	1,306,897	2.70%	35,222	2.69%	35,188	-0.01%	-34
	OTHER LOCATIONS	404,182	1.48%	5,963	1.47%	5,959	-0.01%	-4
	Total Structures and Improvements - CIPv5	1,711,079	2.41%	41,185	2.40%	41,146	0.00%	-39
353.00	STATION EQUIPMENT							
	V.C. SUMMER - NUCLEAR	17,852,076	2.69%	479,343	2.69%	479,329	0.00%	-14
	PARR - HYDRO	375,936	1.32%	4,977	1.32%	4,971	0.00%	-6
	FAIRFIELD - HYDRO	1,419,262	1.13%	16,096	1.13%	16,102	0.00%	6
	SALUDA - HYDRO	10,693,127	1.86%	199,166	1.86%	199,108	0.00%	-58
	STEVENS CREEK - HYDRO	4,615,433	1.76%	81,348	1.76%	81,331	0.00%	-17
	NEAL SHOALS - HYDRO	137,436	2.51%	3,454	2.51%	3,454	0.00%	0
	COLUMBIA ENERGY CENTER	2,118,215	2.64%	55,948	2.64%	55,937	0.00%	-11
	OTHER LOCATIONS	399,759,728	1.95%	7,783,155	1.95%	7,780,924	0.00%	-2,231
	Total Station Equipment	436,971,212	1.97%	8,623,487	1.97%	8,621,157	0.00%	-2,330
353.10	STATION EQUIPMENT - STEP UP TRANSFORMERS							
	V.C. SUMMER - NUCLEAR	13,925,389	2.38%	330,744	2.38%	330,938	0.00%	194
	PARR - HYDRO	397,440	2.27%	9,019	2.27%	9,015	0.00%	-4
	FAIRFIELD - HYDRO	7,698,520	1.94%	149,486	1.94%	149,323	0.00%	-163
	SALUDA - HYDRO	2,170,724	3.09%	67,003	3.08%	66,960	-0.01%	-43
	WATEREE - STEAM	5,570,895	3.60%	200,280	3.59%	200,003	-0.01%	-277
	MCMEEKIN - STEAM	818,997	1.68%	13,775	1.68%	13,749	0.00%	-26
	URQUHART - STEAM	4,328,834	6.56%	283,968	6.56%	283,826	0.00%	-142
	COPE - STEAM	6,020,025	2.18%	131,208	2.18%	131,249	0.00%	41
	WILLIAMS-BUSHY PARK GT	150,417	2.58%	3,875	2.55%	3,842	-0.03%	-33
	HARDEEVILLE GT	118,166	3.82%	4,517	3.82%	4,517	0.00%	0
	COIT GT	118,154	2.42%	2,854	2.40%	2,840	-0.02%	-14
	URQUHART GT	1,214,326	2.44%	29,690	2.44%	29,652	0.00%	-38
	HAGOOD GT	2,846,150	2.00%	57,002	2.00%	57,058	0.00%	56
	STEVENS CREEK - HYDRO	438,276	1.81%	7,924	1.81%	7,916	0.00%	-8
	JASPER	19,100,580	3.48%	664,369	3.48%	665,179	0.00%	810
	COLUMBIA ENERGY CENTER	24,173,334	0.65%	157,709	0.65%	157,797	0.00%	88
	SPARE SUBSTATION	14,080,159	2.12%	298,180	2.12%	297,851	0.00%	-329

Detailed Rate Comparison

Account No.	Description	[1]	[2]		[3]		[4]		
		Plant 12/31/2018	DESC Proposal		ORS Proposal		Difference		
			Rate	Annual Accrual	Rate	Annual Accrual	Rate	Annual Accrual	
	Total Station Equipment - Step up Transformers	103,170,387	2.34%	2,411,603	2.34%	2,411,715	0.00%	112	
353.50	STATION EQUIPMENT - CIPv5								
	V.C SUMMER - NUCLEAR	1,605,918	2.98%	47,790	2.97%	47,770	-0.01%	-20	
	FAIRFIELD - HYDRO	369,558	2.01%	7,442	2.01%	7,442	0.00%	0	
	SALUDA - HYDRO	172,681	2.32%	4,012	2.33%	4,016	0.01%	4	
	STEVENS CREEK - HYDRO	68,772	2.38%	1,640	2.39%	1,641	0.01%	1	
	COLUMBIA ENERGY CENTER	38,775	3.41%	1,324	3.42%	1,325	0.01%	1	
	OTHER LOCATIONS	13,532,520	2.01%	272,612	2.01%	272,617	0.00%	5	
	Total Station Equipment - CIPv5	15,788,224	2.12%	334,820	2.12%	334,810	0.00%	-10	
353.60	STATION EQUIPMENT - NND								
	V.C SUMMER - NUCLEAR	60,163,228	3.06%	1,843,471	3.06%	1,841,570	0.00%	-1,901	
	SALUDA - HYDRO	13,488,236	2.34%	315,124	2.34%	315,191	0.00%	67	
	OTHER LOCATIONS	11,363,692	2.01%	227,892	2.00%	227,783	-0.01%	-109	
	Total Station Equipment - NND	85,015,156	2.81%	2,386,487	2.80%	2,384,545	0.00%	-1,942	
353.80	STATION EQUIPMENT - LEASEHOLD	1,503,882	5.00%	75,241	5.01%	75,293	0.01%	52	
354.00	TOWERS AND FIXTURES	4,052,363	1.34%	54,389	1.34%	54,352	0.00%	-37	
355.00	POLES AND FIXTURES	467,885,696	3.44%	16,085,952	2.97%	13,877,190	-0.47%	-2,208,762	
355.50	POLES AND FIXTURES - NND	104,046,746	3.33%	3,465,061	2.98%	3,102,730	-0.35%	-362,331	
355.80	POLES AND FIXTURES - LEASEHOLD	2,053,267	5.15%	105,757	5.13%	105,374	-0.02%	-383	
356.10	OVERHEAD CONDUCTORS AND DEVICES - OVERHEAD	274,517,382	3.18%	8,726,343	2.59%	7,114,744	-0.59%	-1,611,599	
356.20	OVERHEAD CONDUCTORS AND DEVICES - FIBER OPTIC	3,018,196	3.14%	94,915	2.61%	78,701	-0.53%	-16,214	
356.50	OVERHEAD CONDUCTORS AND DEVICES - NND	65,708,670	2.84%	1,866,290	2.53%	1,659,444	-0.31%	-206,846	
356.80	OVERHEAD CONDUCTORS AND DEVICES - LEASEHOLD	2,014,269	9.47%	190,751	9.48%	190,964	0.01%	213	
357.00	UNDERGROUND CONDUIT	19,549,114	1.88%	367,097	1.88%	367,352	0.00%	255	
358.00	UNDERGROUND CONDUCTORS AND DEVICES	57,699,637	2.09%	1,203,733	2.08%	1,202,628	-0.01%	-1,105	
359.00	ROADS AND TRAILS	73,766	1.29%	948	1.29%	948	0.00%	0	
	Total Transmission Plant	1,649,657,193	2.80%	46,145,995	2.53%	41,734,983	-0.27%	-4,411,012	
	DISTRIBUTION PLANT								
361.00	STRUCTURES AND IMPROVEMENTS	4,832,610	1.52%	73,309	1.52%	73,298	0.00%	-11	
361.80	STRUCTURES AND IMPROVEMENTS - LEASEHOLD	66,542	5.70%	3,795	5.70%	3,795	0.00%	0	
362.00	STATION EQUIPMENT	406,556,497	1.91%	7,745,006	1.90%	7,737,103	-0.01%	-7,903	
362.50	STATION EQUIPMENT - CIPv5	752,224	1.83%	13,756	1.83%	13,745	0.00%	-11	
362.80	STATION EQUIPMENT - LEASEHOLD	4,961,241	6.19%	307,139	6.21%	308,111	0.02%	972	

Detailed Rate Comparison

Account No.	Description	[1]	[2]		[3]		[4]	
		Plant 12/31/2018	DESC Proposal		ORS Proposal		Difference	
			Rate	Annual Accrual	Rate	Annual Accrual	Rate	Annual Accrual
364.00	POLES, TOWERS AND FIXTURES	482,823,379	3.68%	17,779,190	3.69%	17,804,943	0.01%	25,753
365.00	OVERHEAD CONDUCTORS AND DEVICES	526,473,710	1.62%	8,505,166	1.50%	7,890,372	-0.12%	-614,794
366.00	UNDERGROUND CONDUIT	162,211,058	1.37%	2,217,830	1.37%	2,217,970	0.00%	140
367.00	UNDERGROUND CONDUCTORS AND DEVICES	481,014,754	1.91%	9,199,137	1.91%	9,192,105	0.00%	-7,032
368.00	LINE TRANSFORMERS	493,681,882	2.24%	11,072,626	2.10%	10,377,279	-0.14%	-695,347
369.00	SERVICES - OVERHEAD	110,188,287	2.40%	2,639,545	2.22%	2,441,937	-0.18%	-197,608
369.10	SERVICES - UNDERGROUND	189,844,731	1.69%	3,202,365	1.44%	2,729,427	-0.25%	-472,938
370.00	METERS	23,288,843	2.65%	616,120	2.64%	615,604	-0.01%	-516
370.30	METERS - AMR	77,121,964	8.34%	6,429,689	8.39%	6,469,851	0.05%	40,162
370.40	METERS - AMI	19,449,650	11.51%	2,238,525	11.47%	2,231,293	-0.04%	-7,232
370.50	METERS - DER	6,230,880	10.98%	684,193	11.00%	685,358	0.02%	1,165
373.00	STREET LIGHTING AND SIGNAL SYSTEMS	346,934,033	2.93%	10,164,611	2.63%	9,128,585	-0.30%	-1,036,026
373.10	STREET LIGHTING AND SIGNAL SYSTEMS - LED	499,023	3.94%	19,647	3.94%	19,638	0.00%	-9
Total Distribution Plant		3,336,931,308	2.48%	82,911,649	2.40%	79,940,414	-0.09%	-2,971,235
GENERAL PLANT								
390.10	STRUCTURES AND IMPROVEMENTS - OFFICE	98,260,720	2.16%	2,126,050	2.16%	2,123,502	0.00%	-2,548
390.20	STRUCTURES AND IMPROVEMENTS - WAREHOUSE	10,251,489	2.35%	240,775	2.35%	240,776	0.00%	1
390.80	STRUCTURES AND IMPROVEMENTS - OFFICE LEASE	145,185	1.79%	2,594	1.79%	2,592	0.00%	-2
390.90	STRUCTURES AND IMPROVEMENTS - WAREHOUSE LEASE	111,031	3.68%	4,085	3.68%	4,088	0.00%	3
391.10	OFFICE FURNITURE AND EQUIPMENT	8,048,292	4.33%	348,709	4.33%	348,304	0.00%	-405
391.20	OFFICE FURNITURE AND EQUIPMENT - EDP	5,023,590	15.09%	758,077	15.37%	771,988	0.28%	13,911
391.30	OFFICE FURNITURE AND EQUIPMENT - DATA HANDLING	296,470	21.78%	64,585	21.40%	63,438	-0.38%	-1,147
393.00	STORES EQUIPMENT	96,439	3.71%	3,576	3.69%	3,560	-0.02%	-16
394.10	TOOL, SHOP AND GARAGE EQUIPMENT - HAND TOOLS	526,918	4.74%	24,999	4.76%	25,061	0.02%	62
394.20	TOOL, SHOP AND GARAGE EQUIPMENT - LINE	2,787,006	3.99%	111,137	3.99%	111,227	0.00%	90
394.30	TOOL, SHOP AND GARAGE EQUIPMENT - SHOP	228,243	4.37%	9,963	4.39%	10,025	0.02%	62
394.40	TOOL, SHOP AND GARAGE EQUIPMENT - GARAGE	263,168	6.07%	15,987	6.04%	15,901	-0.03%	-86
395.10	LABORATORY EQUIPMENT - METER TEST	1,566,545	3.20%	50,112	3.19%	49,915	-0.01%	-197
395.20	LABORATORY EQUIPMENT - OTHER TEST	492,295	4.54%	22,334	4.52%	22,245	-0.02%	-89
395.30	LABORATORY EQUIPMENT - FIELD TEST	4,175,137	3.62%	151,196	3.62%	151,293	0.00%	97
397.00	COMMUNICATION EQUIPMENT	8,704,607	7.48%	651,453	7.45%	648,405	-0.03%	-3,048
397.50	COMMUNICATION EQUIPMENT - CIPv5	265,650	11.93%	31,694	11.93%	31,694	0.00%	0
398.00	MISCELLANEOUS EQUIPMENT	6,365,376	3.24%	206,403	3.23%	205,597	-0.01%	-806
Total General Plant		147,608,161	3.27%	4,823,729	3.27%	4,829,611	0.00%	5,882
COMMON PLANT								
690.10	STRUCTURES AND IMPROVEMENTS - OFFICE	137,882,055	2.35%	3,242,075	2.35%	3,243,129	0.00%	1,054

Detailed Rate Comparison

Account No.	Description	[1]	[2]		[3]		[4]	
		Plant 12/31/2018	DESC Proposal		ORS Proposal		Difference	
			Rate	Annual Accrual	Rate	Annual Accrual	Rate	Annual Accrual
690.20	STRUCTURES AND IMPROVEMENTS - WAREHOUSE	22,551,576	2.29%	515,450	2.28%	515,188	-0.01%	-262
690.80	STRUCTURES AND IMPROVEMENTS - OFFICE LEASE	15,001,161	2.16%	324,584	2.16%	324,752	0.00%	168
690.90	STRUCTURES AND IMPROVEMENTS - WAREHOUSE LEASE	293,437	2.14%	6,288	2.14%	6,288	0.00%	0
691.10	OFFICE FURNITURE AND EQUIPMENT	8,056,201	5.72%	460,647	5.71%	460,130	-0.01%	-517
691.20	OFFICE FURNITURE AND EQUIPMENT - EDP	795,863	20.35%	161,979	20.95%	166,753	0.60%	4,774
691.30	OFFICE FURNITURE AND EQUIPMENT - DATA HANDLING	1,107,658	1.63%	18,012	1.62%	17,898	-0.01%	-114
694.10	TOOL, SHOP AND GARAGE EQUIPMENT - POWER TOOLS	3,134	6.29%	197	6.08%	191	-0.21%	-6
694.30	TOOL, SHOP AND GARAGE EQUIPMENT - SHOP TOOLS	116,627	4.73%	5,517	4.71%	5,490	-0.02%	-27
694.40	TOOL, SHOP AND GARAGE EQUIPMENT - GARAGE	1,604,970	4.83%	77,597	4.85%	77,917	0.02%	320
695.20	LABORATORY EQUIPMENT - OTHER TEST	65,056	4.78%	3,111	4.78%	3,112	0.00%	1
695.30	LABORATORY EQUIPMENT - FIELD TEST	42,899	3.08%	1,322	3.08%	1,321	0.00%	-1
697.00	COMMUNICATION EQUIPMENT	4,993,942	9.58%	478,558	9.51%	474,970	-0.07%	-3,588
697.80	COMMUNICATION EQUIPMENT - LEASEHOLD	17,082	9.40%	1,605	9.41%	1,607	0.01%	2
698.00	MISCELLANEOUS EQUIPMENT	6,119,326	4.47%	273,399	4.45%	272,546	-0.02%	-853
Total Common Plant		198,650,987	2.80%	5,570,341	2.80%	5,571,289	0.00%	948
TOTAL DEPRECIABLE PLANT		\$ 10,258,072,927	2.59%	\$ 265,400,277	2.39%	\$ 245,246,886	-0.20%	\$ (20,153,391)

[1], [2] From depreciation study

[3] From Exhibit DJG-5

[4] = [3] - [2]

Depreciation Rate Development

Account No.	Description	[1]	[2]		[3]	[4]	[5]	[6]	[7]	[8]		[9]	[10]		[11]	[12]		[13]	
		Plant 12/31/2018	Type	AL	Net Salvage	Depreciable Base	Book Reserve	Future Accruals	Remaining Life	Accrual	Rate	Accrual	Rate	Accrual	Rate	Accrual	Rate	Accrual	Rate
STEAM PRODUCTION PLANT																			
<u>Central Lab</u>																			
311.00	STRUCTURES AND IMPROVEMENTS	3,511,818	R2	-	80	-9%	3,822,840	2,771,530	1,051,310	18.80	39,377	1.12%	16,544	0.47%			55,921	1.59%	
315.00	ACCESSORY ELECTRIC EQUIPMENT	58,757	R2	-	65	-9%	63,961	54,638	9,323	17.80	231	0.39%	292	0.50%			524	0.89%	
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	2,778,701	R0.5	-	41	-9%	3,024,795	1,121,045	1,903,750	17.10	96,939	3.49%	14,391	0.52%			111,330	4.01%	
Total Central Lab		6,349,276				-9%	6,911,596	3,947,213	2,964,383	17.67	136,547	2.15%	31,228	0.49%			167,775	2.64%	
<u>Cope</u>																			
311.00	STRUCTURES AND IMPROVEMENTS	81,673,528	R2	-	80	-17%	95,194,771	36,894,674	58,300,097	46.10	971,342	1.19%	293,302	0.36%			1,264,644	1.55%	
312.00	BOILER PLANT EQUIPMENT	346,125,882	S0	-	41	-17%	403,427,831	175,405,012	228,022,819	28.10	6,075,476	1.76%	2,039,215	0.59%			8,114,691	2.34%	
314.00	TURBOGENERATOR UNITS	86,916,388	S0	-	52	-17%	101,305,599	54,031,544	47,274,055	33.60	978,716	1.13%	428,250	0.49%			1,406,966	1.62%	
315.00	ACCESSORY ELECTRIC EQUIPMENT	23,796,036	R2	-	65	-17%	27,735,526	13,185,452	14,550,074	40.90	259,427	1.09%	96,320	0.40%			355,748	1.49%	
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	11,904,437	R0.5	-	41	-17%	13,875,244	4,224,935	9,650,309	31.30	245,352	2.06%	62,965	0.53%			308,317	2.59%	
Total Cope		550,416,271				-17%	641,538,971	283,741,617	357,797,354	31.25	8,530,312	1.55%	2,920,053	0.53%			11,450,365	2.08%	
<u>McMeekin</u>																			
311.00	STRUCTURES AND IMPROVEMENTS	19,020,282	R2	-	80	-16%	22,149,571	12,861,469	9,288,102	18.70	329,348	1.73%	167,342	0.88%			496,690	2.61%	
312.00	BOILER PLANT EQUIPMENT	113,209,656	S0	-	41	-16%	131,835,338	62,300,287	69,535,051	16.30	3,123,274	2.76%	1,142,680	1.01%			4,265,954	3.77%	
314.00	TURBOGENERATOR UNITS	40,614,429	S0	-	52	-16%	47,296,470	24,494,362	22,802,108	17.60	915,913	2.26%	379,661	0.93%			1,295,574	3.19%	
315.00	ACCESSORY ELECTRIC EQUIPMENT	11,308,283	R2	-	65	-16%	13,168,765	7,009,779	6,158,986	18.90	227,434	2.01%	98,438	0.87%			325,872	2.88%	
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	4,629,348	R0.5	-	41	-16%	5,390,986	2,321,462	3,069,524	16.60	139,029	3.00%	45,882	0.99%			184,911	3.99%	
Total McMeekin		188,781,998				-16%	219,841,129	108,987,359	110,853,770	16.88	4,734,999	2.51%	1,834,003	0.97%			6,569,002	3.48%	
<u>Urquhart 3</u>																			
311.00	STRUCTURES AND IMPROVEMENTS	17,187,922	R2	-	80	-13%	19,400,256	14,009,508	5,390,748	15.80	201,165	1.17%	140,021	0.81%			341,187	1.99%	
312.00	BOILER PLANT EQUIPMENT	24,785,427	S0	-	41	-13%	27,975,669	9,403,281	18,572,388	13.40	1,147,921	4.63%	238,078	0.96%			1,385,999	5.59%	
314.00	TURBOGENERATOR UNITS	62,075,363	S0	-	52	-13%	70,065,538	31,519,766	38,545,592	15.40	1,984,130	3.20%	518,831	0.84%			2,502,961	4.03%	
315.00	ACCESSORY ELECTRIC EQUIPMENT	17,015,473	R2	-	65	-13%	19,205,610	4,900,691	14,304,919	15.90	761,936	4.48%	137,744	0.81%			899,680	5.29%	
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	5,487,072	R0.5	-	41	-13%	6,193,338	2,110,375	4,082,963	14.90	226,624	4.13%	47,400	0.86%			274,024	4.99%	
Total Urquhart 3		126,551,258				-13%	142,840,231	61,943,621	80,896,610	14.97	4,321,776	3.42%	1,082,075	0.86%			5,403,851	4.27%	
<u>Wateree</u>																			
311.00	STRUCTURES AND IMPROVEMENTS	141,131,238	R2	-	80	-17%	164,838,984	47,644,816	117,194,168	25.50	3,666,134	2.60%	929,716	0.66%			4,595,850	3.26%	
312.00	BOILER PLANT EQUIPMENT	595,296,475	S0	-	41	-17%	695,296,577	238,509,483	456,787,094	21.40	16,672,289	2.80%	4,672,902	0.78%			21,345,191	3.59%	
314.00	TURBOGENERATOR UNITS	138,823,189	S0	-	52	-17%	162,143,221	72,240,673	89,902,548	22.60	2,946,129	2.12%	1,031,860	0.74%			3,977,989	2.87%	
315.00	ACCESSORY ELECTRIC EQUIPMENT	34,975,774	R2	-	65	-17%	40,851,134	12,588,068	28,263,066	24.70	906,385	2.59%	237,869	0.68%			1,144,254	3.27%	
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	8,176,082	R0.5	-	41	-17%	9,549,530	2,201,001	7,348,529	21.60	276,624	3.38%	63,586	0.78%			340,210	4.16%	
Total Wateree		918,402,757				-17%	1,072,679,447	373,184,041	699,495,406	22.27	24,467,561	2.66%	6,935,932	0.76%			31,403,493	3.42%	
<u>Jasper</u>																			
311.00	STRUCTURES AND IMPROVEMENTS	25,965	R2	-	80	-13%	29,305	0	29,305	24.90	1,043	4.02%	134	0.52%			1,177	4.53%	
312.00	BOILER PLANT EQUIPMENT	472,406	S0	-	41	-13%	533,162	33,500	499,662	22.60	19,421	4.11%	2,688	0.57%			22,109	4.68%	
314.00	TURBOGENERATOR UNITS	100,137,640	S0	-	52	-13%	113,016,135	26,965,187	86,050,948	22.20	3,296,056	3.29%	580,112	0.59%			3,876,169	3.87%	
315.00	ACCESSORY ELECTRIC EQUIPMENT	6,631,970	R2	-	65	-13%	7,484,894	1,633,913	5,850,981	24.30	205,681	3.10%	35,100	0.53%			240,781	3.63%	
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	496,560	R0.5	-	41	-13%	560,422	75,452	484,970	21.80	19,317	3.89%	2,929	0.59%			22,246	4.48%	
Total Jasper		107,764,541				-13%	121,623,917	28,708,052	92,915,865	22.32	3,541,518	3.29%	620,964	0.58%			4,162,482	3.86%	
<u>Columbia Energy Center</u>																			
311.00	STRUCTURES AND IMPROVEMENTS	4,625,000	R2	-	80	-15%	5,297,850	4,014,906	1,282,944	34.70	17,582	0.38%	19,390	0.42%			36,972	0.80%	
312.00	BOILER PLANT EQUIPMENT	24,512,500	S0	-	41	-15%	28,078,605	26,668,678	1,409,927	29.90	-72,113	-0.29%	119,268	0.49%			47,155	0.19%	
314.00	TURBOGENERATOR UNITS	69,415,284	S0	-	52	-15%	79,513,893	68,376,799	11,137,094	31.80	32,657	0.05%	317,566	0.46%			350,223	0.50%	
315.00	ACCESSORY ELECTRIC EQUIPMENT	2,778	R2	-	65	-15%	3,182	2,339	843	34.30	13	0.46%	12	0.42%			25	0.88%	
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	1,757,500	R0.5	-	41	-15%	2,013,183	1,205,751	807,432	29.10	18,960	1.08%	8,786	0.50%			27,747	1.58%	
Total Columbia Energy Center		100,313,062				-15%	114,906,713	100,268,473	14,638,240	31.68	-2,901	0.00%	465,023	0.46%			462,122	0.46%	
Total Steam Production Plant		1,998,579,163				-16%	2,320,342,004	960,780,376	1,359,561,628	22.80	45,729,813	2.29%	13,889,277	0.69%			59,619,090	2.98%	

Depreciation Rate Development

Account No.	Description	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]		[9]		[10]	[11]	[12]	[13]
		Plant 12/31/2018	lowa Curve Type AL	Net Salvage	Depreciable Base	Book Reserve	Future Accruals	Remaining Life	Service Life		Net Salvage		Total			
									Accrual	Rate	Accrual	Rate	Accrual	Rate		
NUCLEAR PRODUCTION PLANT																
321.00	STRUCTURES AND IMPROVEMENTS	336,884,725	R2.5 - 80	-3%	346,991,267	172,076,132	174,915,135	39.30	4,193,603	1.24%	257,164	0.08%	4,450,767	1.32%		
322.00	REACTOR PLANT EQUIPMENT	606,850,056	R2.5 - 60	-5%	637,192,559	269,840,730	367,351,829	35.30	9,547,006	1.57%	859,561	0.14%	10,406,567	1.71%		
323.00	TURBOGENERATOR UNITS	106,865,604	S1 - 45	-5%	112,208,884	32,788,978	79,419,906	27.10	2,733,455	2.56%	197,169	0.18%	2,930,624	2.74%		
324.00	ACCESSORY ELECTRIC EQUIPMENT	115,146,991	R3 - 55	-1%	116,298,461	72,243,783	44,054,678	29.20	1,469,288	1.28%	39,434	0.03%	1,508,722	1.31%		
325.00	MISCELLANEOUS POWER PLANT EQUIPMENT	160,794,365	R2.5 - 30	-3%	165,618,196	49,337,206	116,280,990	19.20	5,805,060	3.61%	251,241	0.16%	6,056,302	3.77%		
325.10	MISCELLANEOUS POWER PLANT EQUIPMENT - CYBER	18,686,915	R2.5 - 30	0%	18,686,915	266,703	18,420,212	28.20	653,199	3.50%	0	0.00%	653,199	3.50%		
Total Nuclear Production Plant		1,345,228,656		-4%	1,396,996,281	596,553,532	800,442,749	30.78	24,401,611	1.81%	1,604,569	0.12%	26,006,180	1.93%		
HYDRAULIC PRODUCTION PLANT																
Fairfield																
331.00	STRUCTURES AND IMPROVEMENTS	36,801,419	R2 - 110	-19%	43,801,059	18,095,960	25,705,099	74.00	252,776	0.69%	94,590	0.26%	347,366	0.94%		
332.00	RESERVOIRS, DAMS AND WATERWAYS	74,792,871	R2.5 - 125	-19%	89,018,494	35,997,762	53,020,732	82.50	470,244	0.63%	172,432	0.23%	642,676	0.86%		
333.00	WATER WHEELS, TURBINES AND GENERATORS	67,528,739	S0 - 90	-19%	80,372,722	22,441,267	57,931,455	64.70	696,870	1.03%	198,516	0.29%	895,386	1.33%		
334.00	ACCESSORY ELECTRIC EQUIPMENT	22,652,370	O1 - 50	-19%	26,960,856	641,385	26,319,471	45.90	479,542	2.12%	93,867	0.41%	573,409	2.53%		
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	6,545,445	R1.5 - 65	-19%	7,790,390	304,889	7,485,501	43.60	143,132	2.19%	171,686	0.44%	171,686	2.62%		
336.00	ROADS, RAILROADS AND BRIDGES	1,328,336	R4 - 75	-19%	1,580,986	821,221	759,765	35.80	14,165	1.07%	7,057	0.53%	21,222	1.60%		
Total Fairfield		209,649,181		-19%	249,524,507	78,302,484	171,222,023	64.57	2,056,729	0.98%	595,015	0.28%	2,651,745	1.26%		
Neal Shoals																
331.00	STRUCTURES AND IMPROVEMENTS	827,541	R2 - 110	-19%	988,195	519,348	468,847	35.10	8,780	1.06%	4,577	0.55%	13,357	1.61%		
332.00	RESERVOIRS, DAMS AND WATERWAYS	3,660,825	R2.5 - 125	-19%	4,371,513	1,023,315	3,348,198	34.60	76,229	2.08%	20,540	0.56%	96,769	2.64%		
333.00	WATER WHEELS, TURBINES AND GENERATORS	3,707,773	S0 - 90	-19%	4,427,574	1,514,095	2,913,479	33.40	65,679	1.77%	21,551	0.58%	87,230	2.35%		
334.00	ACCESSORY ELECTRIC EQUIPMENT	495,223	O1 - 50	-19%	591,362	235,590	355,772	28.90	8,984	1.81%	3,327	0.67%	12,310	2.49%		
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	374,307	R1.5 - 65	-19%	446,972	133,916	313,056	32.80	7,329	1.96%	2,215	0.59%	9,544	2.55%		
336.00	ROADS, RAILROADS AND BRIDGES	2,645	R4 - 75	-19%	3,159	2,109	1,050	33.50	16	0.60%	15	0.58%	31	1.18%		
Total Neal Shoals		9,068,315		-19%	10,828,774	3,428,373	7,400,401	33.75	167,017	1.84%	52,225	0.58%	219,242	2.42%		
Parr																
331.00	STRUCTURES AND IMPROVEMENTS	1,905,617	R2 - 110	-19%	2,267,494	367,914	1,899,580	42.80	35,928	1.89%	8,455	0.44%	44,383	2.33%		
332.00	RESERVOIRS, DAMS AND WATERWAYS	4,805,841	R2.5 - 125	-19%	5,718,472	1,825,889	3,892,583	42.10	70,783	1.47%	21,678	0.45%	92,460	1.92%		
333.00	WATER WHEELS, TURBINES AND GENERATORS	2,833,821	S0 - 90	-19%	3,371,964	692,509	2,679,455	40.50	52,872	1.87%	13,287	0.47%	66,159	2.33%		
334.00	ACCESSORY ELECTRIC EQUIPMENT	2,033,550	O1 - 50	-19%	2,419,721	895,591	1,524,130	33.30	34,173	1.68%	11,597	0.57%	45,770	2.25%		
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	512,589	R1.5 - 65	-19%	609,930	163,374	446,556	39.50	8,841	1.72%	2,464	0.48%	11,305	2.21%		
336.00	ROADS, RAILROADS AND BRIDGES	124,198	R4 - 75	-19%	147,783	82,477	65,306	43.60	957	0.77%	541	0.44%	1,498	1.21%		
Total Parr		12,215,615		-19%	14,535,365	4,027,754	10,507,611	40.17	203,553	1.67%	58,022	0.47%	261,575	2.14%		
Saluda																
331.00	STRUCTURES AND IMPROVEMENTS	7,324,983	R2 - 110	-4%	7,585,764	2,673,145	4,912,619	56.40	82,479	1.13%	4,624	0.06%	87,103	1.19%		
332.00	RESERVOIRS, DAMS AND WATERWAYS	21,829,603	R2.5 - 125	-4%	22,606,772	14,981,096	7,625,676	52.80	129,707	0.59%	14,719	0.07%	144,426	0.66%		
332.50	RESERVOIRS, DAMS AND WATERWAYS - SALUDA BACKUP DAM	332,839,644	R2.5 - 125	-4%	344,689,275	265,290,380	79,398,895	60.60	1,114,674	0.33%	195,538	0.06%	1,310,213	0.39%		
333.00	WATER WHEELS, TURBINES AND GENERATORS	10,098,848	S0 - 90	-4%	10,458,383	5,271,625	5,186,758	48.00	100,567	1.00%	7,490	0.07%	108,057	1.07%		
334.00	ACCESSORY ELECTRIC EQUIPMENT	6,002,083	O1 - 50	-4%	6,215,767	418,892	5,796,875	39.70	140,635	2.34%	5,382	0.09%	146,017	2.43%		
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	2,209,592	R1.5 - 65	-4%	2,288,257	427,570	1,860,687	48.50	36,743	1.66%	1,622	0.07%	38,365	1.74%		
336.00	ROADS, RAILROADS AND BRIDGES	233,527	R4 - 75	-4%	241,840	150,164	91,676	44.60	1,869	0.80%	186	0.08%	2,056	0.88%		
Total Saluda		380,538,279		-4%	394,086,059	289,212,872	104,873,187	57.11	1,606,674	0.42%	229,563	0.06%	1,836,236	0.48%		
Stevens Creek																
331.00	STRUCTURES AND IMPROVEMENTS	3,150,963	R2 - 110	-18%	3,721,992	1,750,982	1,971,010	55.50	25,225	0.80%	10,289	0.33%	35,514	1.13%		
332.00	RESERVOIRS, DAMS AND WATERWAYS	6,430,203	R2.5 - 125	-18%	7,595,507	4,176,202	3,419,305	57.90	38,929	0.61%	20,126	0.31%	59,055	0.92%		
333.00	WATER WHEELS, TURBINES AND GENERATORS	3,212,692	S0 - 90	-18%	3,794,908	1,448,698	2,346,210	51.10	34,520	1.07%	11,394	0.35%	45,914	1.43%		
334.00	ACCESSORY ELECTRIC EQUIPMENT	1,112,316	O1 - 50	-18%	1,313,893	546,492	767,401	36.50	15,502	1.39%	5,523	0.50%	21,025	1.89%		
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	1,442,712	R1.5 - 65	-18%	1,704,177	539,349	1,164,828	48.00	18,820	1.30%	5,447	0.38%	24,267	1.68%		
336.00	ROADS, RAILROADS AND BRIDGES	128,812	R4 - 75	-18%	152,156	58,981	93,175	54.50	1,281	0.99%	428	0.33%	1,710	1.33%		
Total Stevens Creek		15,477,707		-18%	18,282,632	8,520,704	9,761,928	52.07	134,278	0.87%	53,207	0.34%	187,485	1.21%		
Total Hydraulic Production Plant		626,949,096		-10%	687,257,338	383,492,187	303,765,151	58.91	4,168,251	0.66%	988,032	0.16%	5,156,283	0.82%		

Depreciation Rate Development

Account No.	Description	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]		[9]	[10]		[11]	[12]		[13]	
		Plant 12/31/2018	Iowa Curve		Net Salvage	Depreciable Base	Book Reserve	Future Accruals	Remaining Life	Service Life		Net Salvage	Total					
			Type	AL						Accrual	Rate		Accrual	Rate				
OTHER PRODUCTION PLANT																		
<u>Coit</u>																		
341.00	STRUCTURES AND IMPROVEMENTS	181,877	R2.5	- 55	-10%	200,613	158,050	42,563	10.30	2,313	1.27%	1,819	1.00%	4,132	2.27%			
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	596,416	R2	- 55	-10%	657,857	529,931	127,926	10.20	6,518	1.09%	6,024	1.01%	12,542	2.10%			
343.00	PRIME MOVERS	1,356,532	R2	- 35	-10%	1,496,276	1,010,689	485,587	9.90	34,934	2.58%	14,116	1.04%	49,049	3.62%			
344.00	GENERATORS	3,490,096	S1	- 65	-10%	3,849,632	3,647,433	202,199	9.50	-16,562	-0.47%	37,846	1.08%	21,284	0.61%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	618,018	S2	- 40	-10%	681,684	434,487	247,197	10.20	17,993	2.91%	6,242	1.01%	24,235	3.92%			
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	154,038	R1	- 42	-10%	169,906	127,140	42,766	9.90	2,717	1.76%	1,603	1.04%	4,320	2.80%			
Total Coit		6,396,976			-10%	7,055,968	5,907,730	1,148,238	9.94	47,913	0.75%	67,649	1.06%	115,562	1.81%			
<u>Hagood Unit 4</u>																		
341.00	STRUCTURES AND IMPROVEMENTS	3,525,303	R2.5	- 55	-11%	3,919,597	2,556,938	1,362,659	20.20	47,939	1.36%	19,520	0.55%	67,458	1.91%			
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	912,784	R2	- 55	-11%	1,014,876	747,978	266,898	20.30	8,119	0.89%	5,029	0.55%	13,148	1.44%			
343.00	PRIME MOVERS	24,382,980	R2	- 35	-11%	27,110,141	22,812,428	4,297,713	14.40	109,066	0.45%	189,386	0.78%	298,452	1.22%			
344.00	GENERATORS	6,077,154	S1	- 65	-11%	6,756,865	4,989,098	1,767,767	20.10	54,132	0.89%	33,816	0.56%	87,949	1.45%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	2,775,657	S2	- 40	-11%	3,086,105	2,017,311	1,068,794	17.10	44,348	1.60%	18,155	0.65%	62,503	2.25%			
345.50	ACCESSORY ELECTRIC EQUIPMENT - CIPv5	12,906	S2	- 40	-11%	14,349	0	14,349	22.10	584	4.52%	65	0.51%	649	5.03%			
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	404,725	R1	- 42	-11%	449,992	105,256	344,736	19.80	15,125	3.74%	2,286	0.56%	17,411	4.30%			
Total Hagood Unit 4		38,091,508			-11%	42,351,926	33,229,009	9,122,917	16.66	279,312	0.73%	268,258	0.70%	547,570	1.44%			
<u>Hardeeville</u>																		
341.00	STRUCTURES AND IMPROVEMENTS	57,556	R2.5	- 55	-10%	63,498	63,063	435	1.00	-5,507	-9.57%	5,941	10.32%	435	0.75%			
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	534,350	R2	- 55	-10%	589,510	639,396	-49,886	1.00	-105,046	-19.66%	55,160	10.32%	-49,886	-9.34%			
343.00	PRIME MOVERS	798,792	R2	- 35	-10%	881,250	918,404	-37,154	1.00	-119,612	-14.97%	82,458	10.32%	-37,154	-4.65%			
344.00	GENERATORS	1,862,867	S1	- 65	-10%	2,055,168	2,234,141	-178,973	1.00	-371,274	-19.93%	192,300	10.32%	-178,973	-9.61%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	282,978	S2	- 40	-10%	312,190	337,011	-24,821	1.00	-54,033	-19.09%	29,211	10.32%	-24,821	-8.77%			
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	74,225	R1	- 42	-10%	81,887	73,422	8,465	1.00	803	1.08%	7,662	10.32%	8,465	11.40%			
Total Hardeeville		3,610,768			-10%	3,983,501	4,265,437	-281,936	1.00	-654,669	-18.13%	372,733	10.32%	-281,936	-7.81%			
<u>Parr</u>																		
341.00	STRUCTURES AND IMPROVEMENTS	881,828	R2.5	- 55	-10%	972,496	605,452	367,044	20.30	13,615	1.54%	4,466	0.51%	18,081	2.05%			
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	565,061	R2	- 55	-10%	623,160	508,691	114,469	17.70	3,185	0.56%	3,282	0.58%	6,467	1.14%			
343.00	PRIME MOVERS	4,483,552	R2	- 35	-10%	4,944,546	1,726,887	3,217,659	18.80	146,631	3.27%	24,521	0.55%	171,152	3.82%			
344.00	GENERATORS	3,374,759	S1	- 65	-10%	3,721,748	2,276,100	1,445,648	18.70	58,752	1.74%	18,556	0.55%	77,307	2.29%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	1,091,579	S2	- 40	-10%	1,203,814	768,892	434,922	18.90	17,073	1.56%	5,938	0.54%	23,012	2.11%			
345.50	ACCESSORY ELECTRIC EQUIPMENT - CIPv5	1,832,658	S2	- 40	-10%	2,021,090	179,968	1,841,122	21.00	78,700	4.29%	8,973	0.49%	87,672	4.78%			
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	224,826	R1	- 42	-10%	247,942	126,940	121,002	19.00	5,152	2.29%	1,217	0.54%	6,369	2.83%			
Total Parr		12,454,262			-10%	13,734,797	6,192,930	7,541,867	19.34	323,107	2.59%	66,953	0.54%	390,060	3.13%			
<u>Urquhart Units 1, 2, 3 and Common</u>																		
341.00	STRUCTURES AND IMPROVEMENTS	1,625,635	R2.5	- 55	-9%	1,772,283	526,847	1,245,436	10.40	105,653	6.50%	14,101	0.87%	119,753	7.37%			
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	246,037	R2	- 55	-9%	268,232	112,107	156,125	10.20	13,130	5.34%	2,176	0.88%	15,306	6.22%			
343.00	PRIME MOVERS	1,040,484	R2	- 35	-9%	1,134,345	359,512	774,833	10.10	67,423	6.48%	9,293	0.89%	76,716	7.37%			
344.00	GENERATORS	6,446,775	S1	- 65	-9%	7,028,336	3,003,015	4,025,321	10.00	344,376	5.34%	58,156	0.90%	402,532	6.24%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	272,174	S2	- 40	-9%	296,726	62,874	233,852	10.20	20,520	7.54%	2,407	0.88%	22,927	8.42%			
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	107,889	R1	- 42	-9%	117,621	5,671	111,950	10.00	10,222	9.47%	9,073	0.90%	11,195	10.38%			
Total Urquhart Units 1, 2, 3 and Common		9,738,993			-9%	10,617,543	4,070,026	6,547,517	10.10	561,323	5.76%	87,106	0.89%	648,430	6.66%			
<u>Urquhart Unit 4</u>																		
341.00	STRUCTURES AND IMPROVEMENTS	316,053	R2.5	- 55	-10%	347,383	260,857	86,526	27.00	2,044	0.65%	1,160	0.37%	3,205	1.01%			
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	211,142	R2	- 55	-10%	232,072	132,242	99,830	27.30	2,890	1.37%	767	0.36%	3,657	1.73%			
343.00	PRIME MOVERS	3,618,805	R2	- 35	-10%	3,977,523	727,714	3,249,809	25.50	113,376	3.13%	14,067	0.39%	127,443	3.52%			
344.00	GENERATORS	19,508,023	S1	- 65	-10%	21,441,776	11,654,677	9,787,099	27.10	289,791	1.49%	71,556	0.37%	361,148	1.85%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	897,653	S2	- 40	-10%	986,633	112,841	873,792	27.10	28,960	3.23%	3,283	0.37%	32,243	3.59%			
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	80,448	R1	- 42	-10%	88,423	2,903	85,520	25.80	3,006	3.74%	309	0.38%	3,315	4.12%			
Total Urquhart Unit 4		24,632,125			-10%	27,073,810	12,891,234	14,182,576	26.71	440,067	1.79%	90,943	0.37%	531,010	2.16%			

Depreciation Rate Development

Account No.	Description	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]		[9]	[10]		[11]	[12]		[13]	
		Plant 12/31/2018	Iowa Curve		Net Salvage	Depreciable Base	Book Reserve	Future Accruals	Remaining Life	Service Life		Net Salvage	Total					
			Type	AL						Accrual	Rate		Accrual	Rate				
Urquhart Units 5 and 6																		
341.00	STRUCTURES AND IMPROVEMENTS	5,247,987	R2.5	-55	-12%	5,873,817	2,384,221	3,489,596	30.00	95,459	1.82%	20,861	0.40%	116,320	2.22%			
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	3,609,181	R2	-55	-12%	4,039,581	2,289,061	1,750,520	29.10	45,365	1.26%	14,790	0.41%	60,155	1.67%			
343.00	PRIME MOVERS	224,455,558	R2	-35	-12%	251,222,216	133,006,705	118,215,511	21.20	4,313,625	1.92%	1,262,578	0.56%	5,576,203	2.48%			
344.00	GENERATORS	13,383,304	S1	-65	-12%	14,979,283	4,921,065	10,058,218	29.70	284,924	2.13%	53,737	0.40%	338,661	2.53%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	17,164,380	S2	-40	-12%	19,211,258	7,268,678	11,942,580	25.00	395,828	2.31%	81,875	0.48%	477,703	2.78%			
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	186,891	R1	-42	-12%	209,178	25,561	183,617	27.50	5,867	3.14%	810	0.43%	6,677	3.57%			
	Total Urquhart Units 5 and 6	264,047,301			-12%	295,535,333	149,895,291	145,640,042	22.15	5,141,067	1.95%	1,434,652	0.54%	6,575,719	2.49%			
Williams - Bushy Park																		
341.00	STRUCTURES AND IMPROVEMENTS	613,694	R2.5	-55	-11%	682,270	237,201	445,069	6.40	58,827	9.59%	10,715	1.75%	69,542	11.33%			
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	159,083	R2	-55	-11%	176,859	139,155	37,704	6.40	3,114	1.96%	2,778	1.75%	5,891	3.70%			
343.00	PRIME MOVERS	6,465,048	R2	-35	-11%	7,187,470	5,293,632	1,893,838	6.20	188,938	2.92%	116,520	1.80%	305,458	4.72%			
344.00	GENERATORS	76,279	S1	-65	-11%	84,802	63,103	21,699	6.30	2,091	2.74%	1,353	1.77%	3,444	4.52%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	418,086	S2	-40	-11%	464,804	147,499	317,305	6.40	42,279	10.11%	7,300	1.75%	49,579	11.86%			
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	120,893	R1	-42	-11%	134,401	70,048	64,353	6.30	8,071	6.68%	2,144	1.77%	10,215	8.45%			
	Total Williams - Bushy Park	7,853,083			-11%	8,730,608	5,950,638	2,779,970	6.26	303,320	3.86%	140,809	1.79%	444,129	5.66%			
Jasper																		
341.00	STRUCTURES AND IMPROVEMENTS	28,259,738	R2.5	-55	-12%	31,518,543	10,178,241	21,340,302	23.90	756,548	2.68%	136,352	0.48%	892,900	3.16%			
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	30,617	R2	-55	-12%	34,148	907	33,241	24.40	1,218	3.98%	145	0.47%	1,362	4.45%			
343.00	PRIME MOVERS	306,164,116	R2	-35	-12%	341,469,798	167,987,412	173,482,386	19.80	6,978,621	2.28%	1,783,115	0.58%	8,761,737	2.86%			
344.00	GENERATORS	32,735,532	S1	-65	-12%	36,510,469	11,652,831	24,857,638	23.80	885,828	2.71%	158,611	0.48%	1,044,439	3.19%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	31,258,421	S2	-40	-12%	34,863,023	12,368,803	22,494,220	21.40	882,692	2.82%	168,439	0.54%	1,051,132	3.36%			
345.50	ACCESSORY ELECTRIC EQUIPMENT - CIPv5	131,998	S2	-40	-12%	147,219	0	147,219	24.70	5,344	4.05%	616	0.47%	5,960	4.52%			
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	893,302	R1	-42	-12%	996,314	75,698	920,616	22.30	36,664	4.10%	4,619	0.52%	41,283	4.62%			
	Total Jasper	399,473,723			-12%	445,539,515	202,263,892	243,275,623	20.62	9,546,915	2.39%	2,251,897	0.56%	11,798,813	2.95%			
Hagood Unit 5																		
341.00	STRUCTURES AND IMPROVEMENTS	335,181	R2.5	-55	-12%	374,995	52,579	322,416	36.90	7,659	2.28%	1,079	0.32%	8,738	2.61%			
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	336,638	R2	-55	-12%	376,624	80,419	296,205	36.10	7,097	2.11%	1,108	0.33%	8,205	2.44%			
343.00	PRIME MOVERS	5,081,432	R2	-35	-12%	5,685,021	3,090,568	2,594,453	27.70	71,872	1.41%	21,790	0.43%	93,663	1.84%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	2,142,451	S2	-40	-12%	2,396,938	467,243	1,929,695	30.10	55,655	2.60%	8,455	0.39%	64,109	2.99%			
	Total Hagood Unit 5	7,895,700			-12%	8,833,578	3,690,809	5,142,769	29.44	142,283	1.80%	32,432	0.41%	174,715	2.21%			
Hagood Unit 6																		
341.00	STRUCTURES AND IMPROVEMENTS	665,740	R2.5	-55	-12%	743,291	117,506	625,785	36.90	14,857	2.23%	2,102	0.32%	16,959	2.55%			
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	418,639	R2	-55	-12%	467,406	100,007	367,399	36.10	8,826	2.11%	1,351	0.32%	10,177	2.43%			
343.00	PRIME MOVERS	5,836,691	R2	-35	-12%	6,516,597	2,612,275	3,904,322	28.10	114,748	1.97%	24,196	0.41%	138,944	2.38%			
344.00	GENERATORS	3,645	S1	-65	-12%	4,069	1,495	2,574	38.30	56	1.54%	11	0.30%	67	1.84%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	3,273,297	S2	-40	-12%	3,654,598	762,730	2,891,868	30.10	83,408	2.55%	12,668	0.39%	96,075	2.94%			
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	63,061	R1	-42	-12%	70,407	7,675	62,732	32.10	1,725	2.74%	229	0.36%	1,954	3.10%			
	Total Hagood Unit 6	10,261,073			-12%	11,456,368	3,601,688	7,854,680	29.73	223,621	2.18%	40,556	0.40%	264,177	2.57%			
Columbia Energy Center																		
341.00	STRUCTURES AND IMPROVEMENTS	4,168,036	R2.5	-55	-11%	4,621,505	3,607,226	1,014,279	34.20	16,398	0.39%	13,259	0.32%	29,657	0.71%			
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	5,735,000	R2	-55	-11%	6,358,949	5,288,150	1,070,799	33.60	13,299	0.23%	18,570	0.32%	31,869	0.56%			
343.00	PRIME MOVERS	56,636,856	R2	-35	-11%	62,798,760	54,578,229	8,220,531	30.10	68,393	0.12%	204,714	0.36%	273,107	0.48%			
344.00	GENERATORS	90,650,000	S1	-65	-11%	100,512,422	90,159,456	10,352,966	34.50	14,219	0.02%	285,867	0.33%	300,086	0.33%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	2,952,427	S2	-40	-11%	3,273,641	2,986,548	287,093	32.50	-1,050	-0.04%	9,884	0.33%	8,834	0.30%			
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	475,461	R1	-42	-11%	527,189	344,976	182,213	30.30	4,306	0.91%	1,707	0.36%	6,014	1.26%			
	Total Columbia Energy Center	160,617,780			-11%	178,092,467	156,964,585	21,127,882	32.53	115,565	0.07%	534,002	0.33%	649,567	0.40%			
Boeing Building Solar Project																		
341.00	STRUCTURES AND IMPROVEMENTS	117,179	R2.5	-55	-10%	128,735	44,396	84,339	12.60	5,776	4.93%	917	0.78%	6,694	5.71%			
344.00	GENERATORS	7,030,745	S1	-65	-10%	7,724,112	2,725,170	4,998,942	12.60	341,712	4.86%	55,029	0.78%	396,741	5.64%			
345.00	ACCESSORY ELECTRIC EQUIPMENT	2,197,108	S2	-40	-10%	2,413,786	853,191	1,560,595	12.50	107,513	4.89%	17,334	0.79%	124,848	5.68%			
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	17,609	R1	-42	-10%	19,346	6,908	12,438	12.00	892	5.06%	145	0.82%	1,036	5.89%			

Depreciation Rate Development

Account No.	Description	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Plant	lowa Curve	Net	Depreciable	Book	Future	Remaining	Service Life		Net Salvage		Total	
		12/31/2018	Type AL	Salvage	Base	Reserve	Accruals	Life	Accrual	Rate	Accrual	Rate	Accrual	Rate
	Total Boeing Building Solar Project	9,362,642		-10%	10,285,979	3,629,665	6,656,314	12.58	455,894	4.87%	73,425	0.78%	529,319	5.65%
	<u>Solar Farm</u>													
341.00	STRUCTURES AND IMPROVEMENTS	30,432	R2.5 - 55	-6%	32,226	1,640	30,586	17.20	1,674	5.50%	104	0.34%	1,778	5.84%
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	1,996	R1 - 42	-6%	2,114	141	1,973	16.30	114	5.70%	7	0.36%	121	6.06%
	Total Solar Farm	32,428		-6%	34,340	1,781	32,559	17.14	1,788	5.51%	112	0.34%	1,899	5.86%
	Total Other Production Plant	954,468,363		-11%	1,063,325,733	592,554,715	470,771,018	21.03	16,927,508	1.77%	5,461,527	0.57%	22,389,035	2.35%
	TRANSMISSION PLANT													
352.00	STRUCTURES AND IMPROVEMENTS													
	V.C. SUMMER - NUCLEAR	3,967,509	R2 - 70	-10%	4,364,260	256,903	4,107,357	37.20	99,747	2.51%	10,665	0.27%	110,413	2.78%
	OTHER LOCATIONS	910,638	R2 - 70	-10%	1,001,702	898,970	102,732	69.60	168	0.02%	1,308	0.14%	1,476	0.16%
	Total Structures and Improvements	4,878,147		-10%	5,365,962	1,155,873	4,210,089	37.63	99,915	2.05%	11,974	0.25%	111,889	2.29%
352.50	STRUCTURES AND IMPROVEMENTS - CIPv5													
	V.C. SUMMER - NUCLEAR	1,306,897	R2 - 70	-10%	1,437,587	8,967	1,428,620	40.60	31,969	2.45%	3,219	0.25%	35,188	2.69%
	OTHER LOCATIONS	404,182	R2 - 70	-10%	444,600	45,965	398,635	66.90	5,355	1.32%	604	0.15%	5,959	1.47%
	Total Structures and Improvements - CIPv5	1,711,079		-10%	1,882,187	54,932	1,827,255	44.41	37,323	2.18%	3,823	0.22%	41,146	2.40%
353.00	STATION EQUIPMENT													
	V.C. SUMMER - NUCLEAR	17,852,076	S0.5 - 60	-20%	21,422,491	4,789,759	16,632,732	34.70	376,436	2.11%	102,894	0.58%	479,329	2.69%
	PARR - HYDRO	375,936	S0.5 - 60	-20%	451,123	281,602	169,521	34.10	2,766	0.74%	2,205	0.59%	4,971	1.32%
	FAIRFIELD - HYDRO	1,419,262	S0.5 - 60	-20%	1,703,114	891,559	811,555	50.40	10,470	0.74%	5,632	0.40%	16,102	1.13%
	SALUDA - HYDRO	10,693,127	S0.5 - 60	-20%	12,831,752	4,290,033	8,541,719	42.90	149,256	1.40%	49,851	0.47%	199,108	1.86%
	STEVENS CREEK - HYDRO	4,615,433	S0.5 - 60	-20%	5,538,519	2,163,264	3,375,255	41.50	59,088	1.28%	22,243	0.48%	81,331	1.76%
	NEAL SHOALS - HYDRO	137,436	S0.5 - 60	-20%	164,924	48,872	116,052	33.60	2,636	1.92%	818	0.60%	3,454	2.51%
	COLUMBIA ENERGY CENTER	2,118,215	S0.5 - 60	-20%	2,541,857	813,394	1,728,463	30.90	42,227	1.99%	13,710	0.65%	55,937	2.64%
	OTHER LOCATIONS	399,759,728	S0.5 - 60	-20%	479,711,673	106,227,343	373,484,330	48.00	6,115,258	1.53%	1,665,666	0.42%	7,780,924	1.95%
	Total Station Equipment	436,971,212		-20%	524,365,454	119,505,826	404,859,628	46.96	6,758,138	1.55%	1,863,019	0.43%	8,621,157	1.97%
353.10	STATION EQUIPMENT - STEP UP TRANSFORMERS													
	V.C. SUMMER - NUCLEAR	13,925,389	S3 - 55	-20%	16,710,467	4,432,681	12,277,786	37.10	255,868	1.84%	75,069	0.54%	330,938	2.38%
	PARR - HYDRO	397,440	S3 - 55	-20%	476,928	324,579	152,349	16.90	4,311	1.08%	4,703	1.18%	9,015	2.27%
	FAIRFIELD - HYDRO	7,698,520	S3 - 55	-20%	9,238,224	2,832,246	6,405,978	42.90	113,433	1.47%	35,891	0.47%	149,323	1.94%
	SALUDA - HYDRO	2,170,724	S3 - 55	-20%	2,604,869	897,398	1,707,471	25.50	49,934	2.30%	17,025	0.78%	66,960	3.08%
	WATEREE - STEAM	5,570,895	S3 - 55	-20%	6,685,074	1,625,009	5,060,065	25.30	155,964	2.80%	44,039	0.79%	200,003	3.59%
	MCMEEKIN - STEAM	818,997	S3 - 55	-20%	982,797	757,313	225,484	16.40	3,761	0.46%	9,988	1.22%	13,749	1.68%
	URQUHART - STEAM	4,328,834	S3 - 55	-20%	5,194,600	1,419,710	3,774,890	13.30	218,731	5.05%	65,095	1.52%	283,826	6.56%
	COPE - STEAM	6,020,025	S3 - 55	-20%	7,224,030	2,984,691	4,239,339	32.30	93,973	1.56%	37,276	0.62%	131,249	2.18%
	WILLIAMS-BUSHY PARK GT	150,417	S3 - 55	-20%	180,501	158,219	22,282	5.80	-1,345	-0.89%	5,187	3.45%	3,842	2.55%
	HARDEVILLE GT	118,166	S3 - 55	-20%	141,799	137,282	4,517	1.00	-19,116	-16.18%	23,633	20.00%	4,517	3.82%
	COIT GT	118,154	S3 - 55	-20%	141,785	118,493	23,292	8.20	-41	-0.03%	2,882	2.44%	2,840	2.40%
	URQUHART GT	1,214,326	S3 - 55	-20%	1,457,191	582,454	874,737	29.50	21,419	1.76%	8,233	0.68%	29,652	2.44%
	HAGOOD GT	2,846,150	S3 - 55	-20%	3,415,380	1,566,685	1,848,695	32.40	39,490	1.39%	17,569	0.62%	57,058	2.00%
	STEVENS CREEK - HYDRO	438,276	S3 - 55	-20%	525,932	270,252	255,680	32.30	5,202	1.19%	2,714	0.62%	7,916	1.81%
	JASPER	19,100,580	S3 - 55	-20%	22,920,696	6,557,295	16,363,401	24.60	509,890	2.67%	155,289	0.81%	665,179	3.48%
	COLUMBIA ENERGY CENTER	24,173,334	S3 - 55	-20%	29,008,001	23,406,190	5,601,811	35.50	21,610	0.09%	136,188	0.56%	157,797	0.65%
	SPARE SUBSTATION	14,080,159	S3 - 55	-20%	16,896,191	7,424,537	9,471,654	31.80	209,296	1.49%	88,554	0.63%	297,851	2.12%
	Total Station Equipment - Step up Transformers	103,170,387		-20%	123,804,464	55,495,034	68,309,430	28.32	1,682,380	1.63%	729,335	0.71%	2,411,715	2.34%
353.50	STATION EQUIPMENT - CIPv5													
	V.C. SUMMER - NUCLEAR	1,605,918	S0.5 - 60	-20%	1,927,101	102,272	1,824,829	38.20	39,362	2.45%	8,408	0.52%	47,770	2.97%
	FAIRFIELD - HYDRO	369,558	S0.5 - 60	-20%	443,470	18,555	424,915	57.10	6,147	1.66%	1,294	0.35%	7,442	2.01%
	SALUDA - HYDRO	172,681	S0.5 - 60	-20%	207,217	8,447	198,770	49.50	3,318	1.92%	698	0.40%	4,016	2.33%
	STEVENS CREEK - HYDRO	68,772	S0.5 - 60	-20%	82,527	3,452	79,075	48.20	1,355	1.97%	285	0.41%	1,641	2.39%
	COLUMBIA ENERGY CENTER	38,775	S0.5 - 60	-20%	46,530	2,803	43,727	33.00	1,090	2.81%	235	0.61%	1,325	3.42%
	OTHER LOCATIONS	13,532,520	S0.5 - 60	-20%	16,239,024	754,373	15,484,651	56.80	224,967	1.66%	47,650	0.35%	272,617	2.01%
	Total Station Equipment - CIPv5	15,788,224		-20%	18,945,869	889,902	18,055,967	53.93	276,240	1.75%	58,570	0.37%	334,810	2.12%
353.60	STATION EQUIPMENT - NND													
	V.C. SUMMER - NUCLEAR	60,163,228	S0.5 - 60	-20%	72,195,873	742,949	71,452,924	38.80	1,531,450	2.55%	310,120	0.52%	1,841,570	3.06%
	SALUDA - HYDRO	13,488,236	S0.5 - 60	-20%	16,185,884	394,799	15,791,085	50.10	261,346	1.94%	53,845	0.40%	315,191	2.34%

Depreciation Rate Development

Account No.	Description	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]		[9]	[10]		[11]	[12]		[13]	
		Plant 12/31/2018	Iowa Curve		Net Salvage	Depreciable Base	Book Reserve	Future Accruals	Remaining Life	Service Life		Net Salvage	Total					
			Type	AL						Accrual	Rate		Accrual	Rate				
	OTHER LOCATIONS	11,363,692	S0.5	-60	-20%	13,636,430	288,325	13,348,105	58.60	188,999	1.66%	38,784	0.34%	227,783	2.00%			
	Total Station Equipment - NND	85,015,156			-20%	102,018,187	1,426,073	100,592,114	42.19	1,981,796	2.33%	402,749	0.47%	2,384,545	2.80%			
353.80	STATION EQUIPMENT - LEASEHOLD	1,503,882	SQ	-20	0%	1,503,882	1,014,478	489,404	6.50	75,293	5.01%	0	0.00%	75,293	5.01%			
354.00	TOWERS AND FIXTURES	4,052,363	R3	-80	-40%	5,673,309	3,466,615	2,206,694	40.60	14,427	0.36%	39,925	0.99%	54,352	1.34%			
355.00	POLES AND FIXTURES	467,885,696	L1.5	-59	-75%	818,799,968	133,821,854	684,978,114	49.36	6,767,906	1.45%	7,109,284	1.52%	13,877,190	2.97%			
355.50	POLES AND FIXTURES - NND	104,046,746	L1.5	-59	-75%	182,081,806	2,837,079	179,244,727	57.77	1,751,942	1.68%	1,350,789	1.30%	3,102,730	2.98%			
355.80	POLES AND FIXTURES - LEASEHOLD	2,053,267	SQ	-20	0%	2,053,267	620,176	1,433,091	13.60	105,374	5.13%	0	0.00%	105,374	5.13%			
356.10	OVERHEAD CONDUCTORS AND DEVICES - OVERHEAD	274,517,382	S0.5	-64	-60%	439,227,811	71,182,124	368,045,687	51.73	3,930,703	1.43%	3,184,041	1.16%	7,114,744	2.59%			
356.20	OVERHEAD CONDUCTORS AND DEVICES - FIBER OPTIC	3,018,196	S0.5	-64	-60%	4,829,114	955,466	3,873,648	49.22	41,908	1.39%	36,792	1.22%	78,701	2.61%			
356.50	OVERHEAD CONDUCTORS AND DEVICES - NND	65,708,670	S0.5	-64	-60%	105,133,873	1,020,360	104,113,513	62.74	1,031,054	1.57%	628,390	0.96%	1,659,444	2.53%			
356.80	OVERHEAD CONDUCTORS AND DEVICES - LEASEHOLD	2,014,269	SQ	-20	0%	2,014,269	1,288,607	725,662	3.80	190,964	9.48%	0	0.00%	190,964	9.48%			
357.00	UNDERGROUND CONDUIT	19,549,114	R3	-60	-5%	20,526,570	2,746,722	17,779,848	48.40	347,157	1.78%	20,195	0.10%	367,352	1.88%			
358.00	UNDERGROUND CONDUCTORS AND DEVICES	57,699,637	R3	-55	-5%	60,584,619	6,466,356	54,118,263	45.00	1,138,517	1.97%	64,111	0.11%	1,202,628	2.08%			
359.00	ROADS AND TRAILS	73,766	R4	-70	0%	73,766	19,812	53,954	56.90	948	1.29%	0	0.00%	948	1.29%			
	Total Transmission Plant	1,649,657,193			-47%	2,418,884,375	403,967,289	2,014,917,086	48.28	26,231,986	1.59%	15,502,997	0.94%	41,734,983	2.53%			
DISTRIBUTION PLANT																		
361.00	STRUCTURES AND IMPROVEMENTS	4,832,610	R2	-70	-10%	5,315,871	1,328,433	3,987,438	54.40	64,415	1.33%	8,883	0.18%	73,298	1.52%			
361.80	STRUCTURES AND IMPROVEMENTS - LEASEHOLD	66,542	SQ	-20	0%	66,542	62,747	3,795	1.00	3,795	5.70%	0	0.00%	3,795	5.70%			
362.00	STATION EQUIPMENT	406,556,497	S0.5	-60	-10%	447,212,146	89,757,981	357,454,165	46.20	6,857,111	1.69%	879,992	0.22%	7,737,103	1.90%			
362.50	STATION EQUIPMENT - CIPv5	752,224	S0.5	-60	-10%	827,446	28,863	798,583	58.10	12,450	1.66%	1,295	0.17%	13,745	1.83%			
362.80	STATION EQUIPMENT - LEASEHOLD	4,961,241	SQ	-20	0%	4,961,241	1,787,697	3,173,544	10.30	308,111	6.21%	0	0.00%	308,111	6.21%			
364.00	POLES, TOWERS AND FIXTURES	482,823,379	R1.5	-44	-50%	724,235,068	149,135,415	575,099,653	32.30	10,330,897	2.14%	7,474,046	1.55%	17,804,943	3.69%			
365.00	OVERHEAD CONDUCTORS AND DEVICES	526,473,710	R1	-64	-10%	579,121,081	167,638,156	411,482,925	52.15	6,880,835	1.31%	1,009,537	0.19%	7,890,372	1.50%			
366.00	UNDERGROUND CONDUIT	162,211,058	R2	-65	-5%	170,321,611	54,321,763	115,999,848	52.30	2,062,893	1.27%	155,077	0.10%	2,217,970	1.37%			
367.00	UNDERGROUND CONDUCTORS AND DEVICES	481,014,754	S0.5	-50	-5%	505,065,492	141,977,358	363,088,134	39.50	8,583,225	1.78%	608,879	0.13%	9,192,105	1.91%			
368.00	LINE TRANSFORMERS	493,681,882	R2	-46	-5%	518,365,976	185,981,727	332,384,249	32.03	9,606,624	1.95%	770,655	0.16%	10,377,279	2.10%			
369.00	SERVICES - OVERHEAD	110,188,287	R3	-75	-80%	198,338,916	67,670,880	130,668,036	53.51	794,569	0.72%	1,647,367	1.50%	2,441,937	2.22%			
369.10	SERVICES - UNDERGROUND	189,844,731	S3	-80	-25%	237,305,913	64,041,858	173,264,055	63.48	1,981,772	1.04%	747,656	0.39%	2,729,427	1.44%			
370.00	METERS	23,288,843	L1.5	-22	0%	23,288,843	13,316,057	9,972,786	16.20	615,604	2.64%	0	0.00%	615,604	2.64%			
370.30	METERS - AMR	77,121,964	S1	-15	0%	77,121,964	31,833,007	45,288,957	7.00	6,469,851	8.39%	0	0.00%	6,469,851	8.39%			
370.40	METERS - AMI	19,449,650	R0.5	-12	0%	19,449,650	3,161,214	16,288,436	7.30	2,231,293	11.47%	0	0.00%	2,231,293	11.47%			
370.50	METERS - DER	6,230,880	R0.5	-12	0%	6,230,880	748,017	5,482,863	8.00	685,358	11.00%	0	0.00%	685,358	11.00%			
373.00	STREET LIGHTING AND SIGNAL SYSTEMS	346,934,033	L1	-42	-20%	416,320,840	115,442,681	300,878,159	32.96	7,023,403	2.02%	2,105,182	0.61%	9,128,585	2.63%			
373.10	STREET LIGHTING AND SIGNAL SYSTEMS - LED	499,023	S1	-30	-20%	598,828	80,386	518,442	26.40	15,857	3.18%	3,780	0.76%	19,638	3.94%			
	Total Distribution Plant	3,336,931,308			-18%	3,934,148,309	1,088,314,240	2,845,834,069	35.60	64,528,062	1.93%	15,412,352	0.46%	79,940,414	2.40%			
GENERAL PLANT																		
390.10	STRUCTURES AND IMPROVEMENTS - OFFICE	98,260,720	S0	-50	-20%	117,912,864	29,575,170	88,337,694	41.60	1,651,095	1.68%	472,407	0.48%	2,123,502	2.16%			
390.20	STRUCTURES AND IMPROVEMENTS - WAREHOUSE	10,251,489	R2.5	-50	-20%	12,301,787	9,703,293	40.30	189,901	1.85%	50,876	0.50%	240,776	2.35%				
390.80	STRUCTURES AND IMPROVEMENTS - OFFICE LEASE	145,185	S0	-50	-20%	174,222	98,535	75,687	29.20	1,598	1.10%	994	0.68%	2,592	1.79%			
390.90	STRUCTURES AND IMPROVEMENTS - WAREHOUSE LEASE	111,031	R2.5	-50	-20%	133,238	32,671	100,567	24.60	3,185	2.87%	903	0.81%	4,088	3.68%			
391.10	OFFICE FURNITURE AND EQUIPMENT	8,048,292	SQ	-20	0%	8,048,292	4,321,441	3,726,851	10.70	348,304	4.33%	0	0.00%	348,304	4.33%			
391.20	OFFICE FURNITURE AND EQUIPMENT - EDp	5,023,590	SQ	-5	0%	5,023,590	3,479,614	1,543,976	2.00	771,988	15.37%	0	0.00%	771,988	15.37%			
391.30	OFFICE FURNITURE AND EQUIPMENT - DATA HANDLING	296,470	SQ	-10	0%	296,470	169,593	126,877	2.00	63,438	21.40%	0	0.00%	63,438	21.40%			
393.00	STORES EQUIPMENT	96,439	SQ	-25	0%	96,439	63,327	33,112	9.30	3,560	3.69%	0	0.00%	3,560	3.69%			
394.10	TOOL, SHOP AND GARAGE EQUIPMENT - HAND TOOLS	526,918	SQ	-20	0%	526,918	233,709	293,209	11.70	25,061	4.76%	0	0.00%	25,061	4.76%			
394.20	TOOL, SHOP AND GARAGE EQUIPMENT - LINE	2,787,006	SQ	-20	0%	2,787,006	1,385,541											

Depreciation Rate Development

Account No.	Description	[1]	[2]		[3]	[4]	[5]	[6]	[7]	[8]		[9]		[10]	[11]	[12]		[13]
		Plant	Iowa Curve		Net	Depreciable	Book	Future	Remaining	Service Life		Net Salvage		Total				
		12/31/2018	Type	AL	Salvage	Base	Reserve	Accruals	Life	Accrual	Rate	Accrual	Rate	Accrual	Rate	Accrual	Rate	
690.90	STRUCTURES AND IMPROVEMENTS - WAREHOUSE LEASE	293,437	R2.5	- 50	-20%	352,125	104,379	247,746	39.40	4,798	1.64%	1,490	0.51%	6,288	2.14%			
691.10	OFFICE FURNITURE AND EQUIPMENT	8,056,201	SQ	- 20	0%	8,056,201	4,605,226	3,450,975	7.50	460,130	5.71%	0	0.00%	460,130	5.71%			
691.20	OFFICE FURNITURE AND EQUIPMENT - EDP	795,863	SQ	- 5	0%	795,863	562,409	233,454	1.40	166,753	20.95%	0	0.00%	166,753	20.95%			
691.30	OFFICE FURNITURE AND EQUIPMENT - DATA HANDLING	1,107,658	SQ	- 10	0%	1,107,658	1,019,959	87,699	4.90	17,898	1.62%	0	0.00%	17,898	1.62%			
694.10	TOOL, SHOP AND GARAGE EQUIPMENT - POWER TOOLS	3,134	SQ	- 20	0%	3,134	2,886	248	1.30	191	6.08%	0	0.00%	191	6.08%			
694.30	TOOL, SHOP AND GARAGE EQUIPMENT - SHOP TOOLS	116,627	SQ	- 20	0%	116,627	72,154	44,473	8.10	5,490	4.71%	0	0.00%	5,490	4.71%			
694.40	TOOL, SHOP AND GARAGE EQUIPMENT - GARAGE	1,604,970	SQ	- 20	0%	1,604,970	825,799	779,171	10.00	77,917	4.85%	0	0.00%	77,917	4.85%			
695.20	LABORATORY EQUIPMENT - OTHER TEST	65,056	SQ	- 20	0%	65,056	60,389	4,667	1.50	3,112	4.78%	0	0.00%	3,112	4.78%			
695.30	LABORATORY EQUIPMENT - FIELD TEST	42,899	SQ	- 20	0%	42,899	35,107	7,792	5.90	1,321	3.08%	0	0.00%	1,321	3.08%			
697.00	COMMUNICATION EQUIPMENT	4,993,942	SQ	- 10	0%	4,993,942	2,619,094	2,374,848	5.00	474,970	9.51%	0	0.00%	474,970	9.51%			
697.80	COMMUNICATION EQUIPMENT - LEASEHOLD	17,082	SQ	- 10	0%	17,082	7,603	9,479	5.90	1,607	9.41%	0	0.00%	1,607	9.41%			
698.00	MISCELLANEOUS EQUIPMENT	6,119,326	SQ	- 20	0%	6,119,326	3,366,614	2,752,712	10.10	272,546	4.45%	0	0.00%	272,546	4.45%			
Total Common Plant		198,650,987			-18%	233,796,633	58,426,539	175,370,094	31.48	4,703,607	2.37%	867,682	0.44%	5,571,289	2.80%			
TOTAL DEPRECIABLE PLANT		\$ 10,258,072,927			-19%	\$ 12,224,112,520	\$ 4,137,073,356	\$ 8,087,039,164	32.98	\$ 190,995,270	1.86%	\$ 54,251,616	0.53%	\$ 245,246,886	2.39%			

[1] From depreciation study

[2] Average life and Iowa curve shape developed through statistical analysis and professional judgment

[3] Mass net salvage rates developed through statistical analysis and professional judgment; terminal net salvage rates for production units are from Exhibit DJG-6

[4] = [1]*[1]-[3]

[5] From depreciation study

[6] = [4] - [5]

[7] Composite remaining life based on Iowa curve in [2]; see remaining life exhibit for detailed calculations

[8] = ([1] - [5]) / [7]

[9] = [8] / [1]

[10] = [12] - [8]

[11] = [13] - [9]

[12] = [6] / [7]

[13] = [12] / [1]

Production Net Salvage Development

Exhibit DJG-6

Production Units	[1]	[2]	[3]	[4]	[5]
	Terminal Retirements		Interim Retirements		Weighted Net Salvage
	Retirements	Net Salvage	Retirements	Net Salvage	
Steam Production Plant					
Central Lab	66%	-5.0%	34%	-16%	-9%
Cope	49%	-5.0%	51%	-27%	-17%
McMeekin	48%	-5.0%	52%	-27%	-16%
Urquhart 3	60%	-5.0%	40%	-24%	-13%
Wateree	48%	-5.0%	52%	-28%	-17%
Jasper	60%	-5.0%	40%	-25%	-13%
Columbia Energy Center	54%	-5.0%	46%	-26%	-15%
Hydraulic Production Plant					
Fairfield	28%	-5.0%	72%	-25%	-19%
Neal Shoals	30%	-5.0%	70%	-25%	-19%
Parr	27%	-5.0%	73%	-24%	-19%
Saluda	24%	-5.0%	76%	-3%	-4%
Stevens Creek	30%	-5.0%	70%	-24%	-18%
Other Production Plant					
Coit	67%	-5.0%	33%	-21%	-10%
Hagood Unit 4	46%	-5.0%	54%	-16%	-11%
Hardeeville	67%	-5.0%	33%	-21%	-10%
Parr	61%	-5.0%	39%	-18%	-10%
Urquhart Units 1, 2, 3 and Common	75%	-5.0%	25%	-21%	-9%
Urquhart Unit 4	73%	-5.0%	27%	-23%	-10%
Urquhart Units 5 and 6	36%	-5.0%	64%	-16%	-12%
Williams - Bushy Park	37%	-5.0%	63%	-15%	-11%
Jasper	40%	-5.0%	60%	-16%	-12%
Hagood Unit 5	39%	-5.0%	61%	-16%	-12%
Hagood Unit 6	42%	-5.0%	58%	-16%	-12%
Columbia Energy Center	63%	-5.0%	37%	-21%	-11%
Boeing Building Solar Project	74%	-5.0%	26%	-24%	-10%
Solar Farm	80%	-5.0%	20%	-9%	-6%

[1], [3] From Exhibit DJG-7

[2] Terminal net salvage rates based on professional judgment and failure of DESC to support through dismantlement studies

[4] Unadjusted, composite interim net salvage from Exhibit DJG-8

[5] = [1]*[2] + [3]*[4]

Weighted Net Salvage Calculation

Exhibit DJG-7

Production Units	[1]	[2]	[3]	[4]	[5]
	Total Projected Retirements	Total Terminal Retirements Amount	(%)	Total Interim Retirements Amount	(%)
Steam Production Plant					
Central Lab	6,349,276	4,163,232	66%	2,186,043	34%
Cope	550,416,271	267,684,599	49%	282,731,672	51%
McMeekin	188,781,998	91,431,623	48%	97,350,375	52%
Urquhart 3	126,551,258	75,308,959	60%	51,242,299	40%
Wateree	918,402,757	444,660,459	48%	473,742,298	52%
Jasper	107,764,541	64,592,975	60%	43,171,566	40%
Columbia Energy Center	100,313,062	54,422,213	54%	45,890,849	46%
Hydraulic Production Plant					
Fairfield	209,649,181	59,555,454	28%	150,093,727	72%
Neal Shoals	9,068,315	2,678,875	30%	6,389,439	70%
Parr	12,215,615	3,343,071	27%	8,872,544	73%
Saluda	380,538,279	90,041,463	24%	290,496,816	76%
Stevens Creek	15,477,707	4,574,374	30%	10,903,333	70%
Other Production Plant					
Coit	6,396,976	4,264,232	67%	2,132,744	33%
Hagood Unit 4	38,091,508	17,532,874	46%	20,558,633	54%
Hardeeville	3,610,768	2,402,221	67%	1,208,547	33%
Parr	12,454,262	7,576,364	61%	4,877,898	39%
Urquhart Units 1, 2, 3 and Common	9,738,993	7,273,741	75%	2,465,252	25%
Urquhart Unit 4	24,632,125	17,921,275	73%	6,710,850	27%
Urquhart Units 5 and 6	264,047,301	94,582,236	36%	169,465,065	64%
Williams - Bushy Park	7,853,083	2,927,025	37%	4,926,059	63%
Jasper	399,473,723	158,449,061	40%	241,024,662	60%
Hagood Unit 5	7,895,700	3,113,962	39%	4,781,738	61%
Hagood Unit 6	10,261,073	4,269,118	42%	5,991,955	58%
Columbia Energy Center	160,617,780	100,619,513	63%	59,998,267	37%
Boeing Building Solar Project	9,362,642	6,914,238	74%	2,448,404	26%
Solar Farm	32,428	25,801	80%	6,627	20%

[1] From depreciation study

[2] = [1] - [4]

[3] = [2] / [1]

[4] Total interim retirements by production unit from Exhibit DJG-9

[5] = [4] / [1]

Interim Net Salvage Calculation

Account No.	Description	[1] Plant 12/31/2018	[2] Net Salvage	[3] Depreciable Base
STEAM PRODUCTION PLANT				
<u>Central Lab</u>				
311.00	STRUCTURES AND IMPROVEMENTS	3,511,818	-25.0%	4,389,772
315.00	ACCESSORY ELECTRIC EQUIPMENT	58,757	-20.0%	70,509
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	2,778,701	-5.0%	2,917,636
	Total Central Lab	6,349,276	-16.2%	7,377,917
<u>Cope</u>				
311.00	STRUCTURES AND IMPROVEMENTS	81,673,528	-25.0%	102,091,910
312.00	BOILER PLANT EQUIPMENT	346,125,882	-30.0%	449,963,647
314.00	TURBOGENERATOR UNITS	86,916,388	-25.0%	108,645,485
315.00	ACCESSORY ELECTRIC EQUIPMENT	23,796,036	-20.0%	28,555,244
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	11,904,437	-5.0%	12,499,659
	Total Cope	550,416,271	-27.5%	701,755,944
<u>McMeekin</u>				
311.00	STRUCTURES AND IMPROVEMENTS	19,020,282	-25.0%	23,775,352
312.00	BOILER PLANT EQUIPMENT	113,209,656	-30.0%	147,172,552
314.00	TURBOGENERATOR UNITS	40,614,429	-25.0%	50,768,037
315.00	ACCESSORY ELECTRIC EQUIPMENT	11,308,283	-20.0%	13,569,940
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	4,629,348	-5.0%	4,860,816
	Total McMeekin	188,781,998	-27.2%	240,146,697
<u>Urquhart 3</u>				
311.00	STRUCTURES AND IMPROVEMENTS	17,187,922	-25.0%	21,484,903
312.00	BOILER PLANT EQUIPMENT	24,785,427	-30.0%	32,221,055
314.00	TURBOGENERATOR UNITS	62,075,363	-25.0%	77,594,204
315.00	ACCESSORY ELECTRIC EQUIPMENT	17,015,473	-20.0%	20,418,568
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	5,487,072	-5.0%	5,761,426
	Total Urquhart 3	126,551,258	-24.4%	157,480,155
<u>Wateree</u>				
311.00	STRUCTURES AND IMPROVEMENTS	141,131,238	-25.0%	176,414,047
312.00	BOILER PLANT EQUIPMENT	595,296,475	-30.0%	773,885,417
314.00	TURBOGENERATOR UNITS	138,823,189	-25.0%	173,528,986
315.00	ACCESSORY ELECTRIC EQUIPMENT	34,975,774	-20.0%	41,970,929
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	8,176,082	-5.0%	8,584,886
	Total Wateree	918,402,757	-27.9%	1,174,384,265
<u>Jasper</u>				
311.00	STRUCTURES AND IMPROVEMENTS	25,965	-25.0%	32,457
312.00	BOILER PLANT EQUIPMENT	472,406	-30.0%	614,128
314.00	TURBOGENERATOR UNITS	100,137,640	-25.0%	125,172,049

Interim Net Salvage Calculation

Account No.	Description	[1] Plant 12/31/2018	[2] Net Salvage	[3] Depreciable Base
315.00	ACCESSORY ELECTRIC EQUIPMENT	6,631,970	-20.0%	7,958,364
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	496,560	-5.0%	521,388
	Total Jasper	107,764,541	-24.6%	134,298,386
<u>Columbia Energy Center</u>				
311.00	STRUCTURES AND IMPROVEMENTS	4,625,000	-25.0%	5,781,250
312.00	BOILER PLANT EQUIPMENT	24,512,500	-30.0%	31,866,250
314.00	TURBOGENERATOR UNITS	69,415,284	-25.0%	86,769,105
315.00	ACCESSORY ELECTRIC EQUIPMENT	2,778	-20.0%	3,333
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT	1,757,500	-5.0%	1,845,375
	Total Columbia Energy Center	100,313,062	-25.9%	126,265,313
HYDRAULIC PRODUCTION PLANT				
<u>Fairfield</u>				
331.00	STRUCTURES AND IMPROVEMENTS	36,801,419	-20.0%	44,161,703
332.00	RESERVOIRS, DAMS AND WATERWAYS	74,792,871	-30.0%	97,230,733
333.00	WATER WHEELS, TURBINES AND GENERATORS	67,528,739	-25.0%	84,410,924
334.00	ACCESSORY ELECTRIC EQUIPMENT	22,652,370	-20.0%	27,182,844
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	6,545,445	-5.0%	6,872,717
336.00	ROADS, RAILROADS AND BRIDGES	1,328,336	0.0%	1,328,336
	Total Fairfield	209,649,181	-24.6%	261,187,257
<u>Neal Shoals</u>				
331.00	STRUCTURES AND IMPROVEMENTS	827,541	-20.0%	993,050
332.00	RESERVOIRS, DAMS AND WATERWAYS	3,660,825	-30.0%	4,759,073
333.00	WATER WHEELS, TURBINES AND GENERATORS	3,707,773	-25.0%	4,634,716
334.00	ACCESSORY ELECTRIC EQUIPMENT	495,223	-20.0%	594,268
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	374,307	-5.0%	393,022
336.00	ROADS, RAILROADS AND BRIDGES	2,645	0.0%	2,645
	Total Neal Shoals	9,068,315	-25.5%	11,376,774
<u>Parr</u>				
331.00	STRUCTURES AND IMPROVEMENTS	1,905,617	-20.0%	2,286,740
332.00	RESERVOIRS, DAMS AND WATERWAYS	4,805,841	-30.0%	6,247,593
333.00	WATER WHEELS, TURBINES AND GENERATORS	2,833,821	-25.0%	3,542,276
334.00	ACCESSORY ELECTRIC EQUIPMENT	2,033,550	-20.0%	2,440,259
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	512,589	-5.0%	538,219
336.00	ROADS, RAILROADS AND BRIDGES	124,198	0.0%	124,198
	Total Parr	12,215,615	-24.3%	15,179,285
<u>Saluda</u>				
331.00	STRUCTURES AND IMPROVEMENTS	7,324,983	-20.0%	8,789,979
332.00	RESERVOIRS, DAMS AND WATERWAYS	21,829,603	-30.0%	28,378,484

Interim Net Salvage Calculation

Account No.	Description	[1] Plant 12/31/2018	[2] Net Salvage	[3] Depreciable Base
332.50	RESERVOIRS, DAMS AND WATERWAYS - SALUDA BACKUP DAM	332,839,644	0.0%	332,839,644
333.00	WATER WHEELS, TURBINES AND GENERATORS	10,098,848	-25.0%	12,623,560
334.00	ACCESSORY ELECTRIC EQUIPMENT	6,002,083	-20.0%	7,202,499
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	2,209,592	-5.0%	2,320,072
336.00	ROADS, RAILROADS AND BRIDGES	233,527	0.0%	233,527
	Total Saluda	380,538,279	-3.1%	392,387,764
	<u>Stevens Creek</u>			
331.00	STRUCTURES AND IMPROVEMENTS	3,150,963	-20.0%	3,781,156
332.00	RESERVOIRS, DAMS AND WATERWAYS	6,430,203	-30.0%	8,359,264
333.00	WATER WHEELS, TURBINES AND GENERATORS	3,212,692	-25.0%	4,015,865
334.00	ACCESSORY ELECTRIC EQUIPMENT	1,112,316	-20.0%	1,334,779
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT	1,442,721	-5.0%	1,514,858
336.00	ROADS, RAILROADS AND BRIDGES	128,812	0.0%	128,812
	Total Stevens Creek	15,477,707	-23.6%	19,134,733
	OTHER PRODUCTION PLANT			
	<u>Coit</u>			
341.00	STRUCTURES AND IMPROVEMENTS	181,877	-10.0%	200,065
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	596,416	-20.0%	715,699
343.00	PRIME MOVERS	1,356,532	-15.0%	1,560,011
344.00	GENERATORS	3,490,096	-25.0%	4,362,620
345.00	ACCESSORY ELECTRIC EQUIPMENT	618,018	-20.0%	741,621
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	154,038	0.0%	154,038
	Total Coit	6,396,976	-20.9%	7,734,054
	<u>Hagood Unit 4</u>			
341.00	STRUCTURES AND IMPROVEMENTS	3,525,303	-10.0%	3,877,833
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	912,784	-20.0%	1,095,341
343.00	PRIME MOVERS	24,382,980	-15.0%	28,040,427
344.00	GENERATORS	6,077,154	-25.0%	7,596,443
345.00	ACCESSORY ELECTRIC EQUIPMENT	2,775,657	-20.0%	3,330,788
345.50	ACCESSORY ELECTRIC EQUIPMENT - CIPv5	12,906	-20.0%	15,487
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	404,725	0.0%	404,725
	Total Hagood Unit 4	38,091,508	-16.5%	44,361,043
	<u>Hardeeville</u>			
341.00	STRUCTURES AND IMPROVEMENTS	57,556	-10.0%	63,312
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	534,350	-20.0%	641,220
343.00	PRIME MOVERS	798,792	-15.0%	918,611
344.00	GENERATORS	1,862,867	-25.0%	2,328,584
345.00	ACCESSORY ELECTRIC EQUIPMENT	282,978	-20.0%	339,574
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	74,225	0.0%	74,225
	Total Hardeeville	3,610,768	-20.9%	4,365,525

Interim Net Salvage Calculation

Account No.	Description	[1] Plant 12/31/2018	[2] Net Salvage	[3] Depreciable Base
<u>Parr</u>				
341.00	STRUCTURES AND IMPROVEMENTS	881,828	-10.0%	970,010
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	565,061	-20.0%	678,073
343.00	PRIME MOVERS	4,483,552	-15.0%	5,156,085
344.00	GENERATORS	3,374,759	-25.0%	4,218,449
345.00	ACCESSORY ELECTRIC EQUIPMENT	1,091,579	-20.0%	1,309,895
345.50	ACCESSORY ELECTRIC EQUIPMENT - CIPv5	1,832,658	-20.0%	2,199,189
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	224,826	0.0%	224,826
Total Parr		12,454,262	-18.5%	14,756,527
<u>Urquhart Units 1, 2, 3 and Common</u>				
341.00	STRUCTURES AND IMPROVEMENTS	1,625,635	-10.0%	1,788,199
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	246,037	-20.0%	295,244
343.00	PRIME MOVERS	1,040,484	-15.0%	1,196,556
344.00	GENERATORS	6,446,775	-25.0%	8,058,468
345.00	ACCESSORY ELECTRIC EQUIPMENT	272,174	-20.0%	326,609
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	107,889	0.0%	107,889
Total Urquhart Units 1, 2, 3 and Common		9,738,993	-20.9%	11,772,965
<u>Urquhart Unit 4</u>				
341.00	STRUCTURES AND IMPROVEMENTS	316,053	-10.0%	347,659
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	211,142	-20.0%	253,371
343.00	PRIME MOVERS	3,618,805	-15.0%	4,161,626
344.00	GENERATORS	19,508,023	-25.0%	24,385,029
345.00	ACCESSORY ELECTRIC EQUIPMENT	897,653	-20.0%	1,077,183
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	80,448	0.0%	80,448
Total Urquhart Unit 4		24,632,125	-23.0%	30,305,316
<u>Urquhart Units 5 and 6</u>				
341.00	STRUCTURES AND IMPROVEMENTS	5,247,987	-10.0%	5,772,786
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	3,609,181	-20.0%	4,331,017
343.00	PRIME MOVERS	224,455,558	-15.0%	258,123,892
344.00	GENERATORS	13,383,304	-25.0%	16,729,130
345.00	ACCESSORY ELECTRIC EQUIPMENT	17,164,380	-20.0%	20,597,256
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	186,891	0.0%	186,891
Total Urquhart Units 5 and 6		264,047,301	-15.8%	305,740,972
<u>Williams - Bushy Park</u>				
341.00	STRUCTURES AND IMPROVEMENTS	613,694	-10.0%	675,064
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	159,083	-20.0%	190,900
343.00	PRIME MOVERS	6,465,048	-15.0%	7,434,806
344.00	GENERATORS	76,279	-25.0%	95,348
345.00	ACCESSORY ELECTRIC EQUIPMENT	418,086	-20.0%	501,704
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	120,893	0.0%	120,893

Interim Net Salvage Calculation

Account No.	Description	[1] Plant 12/31/2018	[2] Net Salvage	[3] Depreciable Base
Total Williams - Bushy Park		7,853,083	-14.8%	9,018,714
<u>Jasper</u>				
341.00	STRUCTURES AND IMPROVEMENTS	28,259,738	-10.0%	31,085,712
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	30,617	-20.0%	36,741
343.00	PRIME MOVERS	306,164,116	-15.0%	352,088,734
344.00	GENERATORS	32,735,532	-25.0%	40,919,414
345.00	ACCESSORY ELECTRIC EQUIPMENT	31,258,421	-20.0%	37,510,105
345.50	ACCESSORY ELECTRIC EQUIPMENT - CIPv5	131,998	-20.0%	158,397
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	893,302	0.0%	893,302
Total Jasper		399,473,723	-15.8%	462,692,405
<u>Hagood Unit 5</u>				
341.00	STRUCTURES AND IMPROVEMENTS	335,181	-10.0%	368,699
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	336,638	-20.0%	403,965
343.00	PRIME MOVERS	5,081,432	-15.0%	5,843,646
345.00	ACCESSORY ELECTRIC EQUIPMENT	2,142,451	-20.0%	2,570,941
Total Hagood Unit 5		7,895,700	-16.4%	9,187,251
<u>Hagood Unit 6</u>				
341.00	STRUCTURES AND IMPROVEMENTS	665,740	-10.0%	732,314
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	418,639	-20.0%	502,367
343.00	PRIME MOVERS	5,836,691	-15.0%	6,712,194
344.00	GENERATORS	3,645	-25.0%	4,556
345.00	ACCESSORY ELECTRIC EQUIPMENT	3,273,297	-20.0%	3,927,956
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	63,061	0.0%	63,061
Total Hagood Unit 6		10,261,073	-16.4%	11,942,449
<u>Columbia Energy Center</u>				
341.00	STRUCTURES AND IMPROVEMENTS	4,168,036	-10.0%	4,584,840
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	5,735,000	-20.0%	6,882,000
343.00	PRIME MOVERS	56,636,856	-15.0%	65,132,385
344.00	GENERATORS	90,650,000	-25.0%	113,312,500
345.00	ACCESSORY ELECTRIC EQUIPMENT	2,952,427	-20.0%	3,542,912
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	475,461	0.0%	475,461
Total Columbia Energy Center		160,617,780	-20.7%	193,930,097
<u>Boeing Building Solar Project</u>				
341.00	STRUCTURES AND IMPROVEMENTS	117,179	-10.0%	128,897
344.00	GENERATORS	7,030,745	-25.0%	8,788,431
345.00	ACCESSORY ELECTRIC EQUIPMENT	2,197,108	-20.0%	2,636,530
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	17,609	0.0%	17,609
Total Boeing Building Solar Project		9,362,642	-23.6%	11,571,468
<u>Solar Farm</u>				

Interim Net Salvage Calculation

		[1]	[2]	[3]
Account No.	Description	Plant 12/31/2018	Net Salvage	Depreciable Base
341.00	STRUCTURES AND IMPROVEMENTS	30,432	-10.0%	33,475
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT	1,996	0.0%	1,996
	Total Solar Farm	32,428	-9.4%	35,471

[1] From depreciation study

[2] Unadjusted production NS rates based on interim NS estimates in depreciation study

[3] = [1]*(1-[2])

Interim Retirement Development

Study Date		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
Account No.	Description	Original Cost	Decom. Date	Avg. Life	Iowa Curve	Avg. Age at Study	Years to PYR	Avg. Age of Retire.	Age as % of ASL	Percent Surviving	Percent Retired	Interim Retired	Avg PYR	PYR Weight
Steam Production Plant														
311.00	Structures and Improvements													
	Central Lab	3,511,818	2038	R2 - 80		17	33	51	64%	83%	17%	613,163		177,648,804,608
	Cope	81,673,528	2071	R2 - 80		17	33	51	64%	83%	17%	14,260,198		5,115,948,114,754
	McMeekin	19,020,282	2038	R2 - 80		17	33	51	64%	83%	17%	3,320,941		962,159,964,006
	Urquhart 3	17,187,922	2035	R2 - 80		17	33	51	64%	83%	17%	3,001,011		850,630,269,678
	Wateree	141,131,238	2045	R2 - 80		17	33	51	64%	83%	17%	24,641,514		7,500,137,354,463
	Jasper	25,965	2044	R2 - 80		17	33	51	64%	83%	17%	4,534		1,370,393,965
	Columbia Energy Center	4,625,000	2054	R2 - 80		17	33	51	64%	83%	17%	807,525		261,701,000,000
	Total Structures and Improvements	267,175,752											2052	14,869,595,901,473
312.00	Boiler Plant Equipment													
	Cope	346,125,882	2071	S0 - 41		15	34	49	120%	36%	64%	220,689,863		21,680,979,138,884
	McMeekin	113,209,656	2038	S0 - 41		15	34	49	120%	36%	64%	72,182,476		5,726,823,642,734
	Urquhart 3	24,785,427	2035	S0 - 41		15	34	49	120%	36%	64%	15,803,188		1,226,630,791,633
	Wateree	595,296,475	2045	S0 - 41		15	34	49	120%	36%	64%	379,561,032		31,635,840,556,576
	Jasper	472,406	2044	S0 - 41		15	34	49	120%	36%	64%	301,206		24,932,668,674
	Columbia Energy Center	24,512,500	2054	S0 - 41		15	34	49	120%	36%	64%	15,629,170		1,387,015,300,000
	Total Boiler Plant Equipment	1,104,402,346											2052	61,682,222,098,502
314.00	Turbogenerator Units													
	Cope	86,916,388	2071	S0 - 52		15	30	45	87%	59%	41%	35,644,411		5,444,355,602,876
	McMeekin	40,614,429	2038	S0 - 52		15	30	45	87%	59%	41%	16,655,978		2,054,521,526,640
	Urquhart 3	62,075,363	2035	S0 - 52		15	30	45	87%	59%	41%	25,457,106		3,072,109,717,345
	Wateree	138,823,189	2045	S0 - 52		15	30	45	87%	59%	41%	56,931,390		7,377,480,713,364
	Jasper	100,137,640	2044	S0 - 52		15	30	45	87%	59%	41%	41,066,446		5,285,064,338,587
	Columbia Energy Center	69,415,284	2054	S0 - 52		15	30	45	87%	59%	41%	28,467,208		3,927,794,434,949
	Total Turbogenerator Units	497,982,292											2049	27,161,326,333,760
315.00	Accessory Electric Equipment													
	Central Lab	58,757	2038	R2 - 65		17	30	47	73%	77%	23%	13,473		2,972,303,354
	Cope	23,796,036	2071	R2 - 65		17	30	47	73%	77%	23%	5,456,431		1,490,559,920,928
	McMeekin	11,308,283	2038	R2 - 65		17	30	47	73%	77%	23%	2,592,989		572,040,808,391
	Urquhart 3	17,015,473	2035	R2 - 65		17	30	47	73%	77%	23%	3,901,648		842,095,756,296
	Wateree	34,975,774	2045	R2 - 65		17	30	47	73%	77%	23%	8,019,945		1,858,717,568,842
	Jasper	6,631,970	2044	R2 - 65		17	30	47	73%	77%	23%	1,520,711		350,022,099,466
	Columbia Energy Center	2,778	2054	R2 - 65		17	30	47	73%	77%	23%	637		157,173,943
	Total Accessory Electric Equipment	93,789,071											2049	5,116,565,631,218
316.00	Miscellaneous Power Plant Equipment													
	Central Lab	2,778,701	2038	R0.5 - 41		13	33	46	112%	44%	56%	1,559,407		140,563,356,140
	Cope	11,904,437	2071	R0.5 - 41		13	33	46	112%	44%	56%	6,680,770		745,682,026,737
	McMeekin	4,629,348	2038	R0.5 - 41		13	33	46	112%	44%	56%	2,597,990		234,180,214,116
	Urquhart 3	5,487,072	2035	R0.5 - 41		13	33	46	112%	44%	56%	3,079,345		271,555,214,066
	Wateree	8,176,082	2045	R0.5 - 41		13	33	46	112%	44%	56%	4,588,417		434,501,511,909
	Jasper	496,560	2044	R0.5 - 41		13	33	46	112%	44%	56%	278,670		26,207,457,402
	Columbia Energy Center	1,757,500	2054	R0.5 - 41		13	33	46	112%	44%	56%	986,309		99,446,380,000
	Total Miscellaneous Power Plant Equipment	35,229,700											2051	1,952,136,160,369
Hydraulic Production Plant														

Interim Retirement Development

Study Date		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
Account No.	Description	Original Cost	Decom. Date	Avg. Life	Iowa Curve	Avg. Age at Study	Years to PYR	Avg. Age of Retire.	Age as % of ASL	Percent Surviving	Percent Retired	Interim Retired	Avg PYR	PYR Weight
12/31/18														
331.00	Structures and Improvements													
	Fairfield	36,801,419	2128	R2 - 110		35	96	131	119%	34%	66%	24,439,823		3,071,372,861,954
	Neal Shoals	827,541	2055	R2 - 110		35	96	131	119%	34%	66%	549,570		47,000,218,357
	Parr	1,905,617	2064	R2 - 110		35	96	131	119%	34%	66%	1,265,520		114,495,174,194
	Saluda	7,324,983	2082	R2 - 110		35	96	131	119%	34%	66%	4,864,521		488,261,358,503
	Stevens Creek	<u>3,150,963</u>	2079	R2 - 110		35	96	131	119%	34%	66%	2,092,555		<u>206,580,316,057</u>
	Total Structures and Improvements	50,010,524											2115	3,927,709,929,065
332.00	Reservoirs, Dams and Waterways													
	Fairfield	74,792,871	2128	R2.5 - 125		43	93	136	109%	43%	57%	42,766,564		6,242,063,448,783
	Neal Shoals	3,660,825	2055	R2.5 - 125		43	93	136	109%	43%	57%	2,093,260		207,916,579,161
	Parr	4,805,841	2064	R2.5 - 125		43	93	136	109%	43%	57%	2,747,980		288,749,321,371
	Saluda	21,829,603	2082	R2.5 - 125		43	93	136	109%	43%	57%	12,482,167		1,455,095,853,837
	Stevens Creek	<u>6,430,203</u>	2079	R2.5 - 125		43	93	136	109%	43%	57%	3,676,790		<u>421,570,521,182</u>
	Total Reservoirs, Dams and Waterways	111,519,343											2111	8,615,395,724,332
332.50	Reservoirs, Dams and Waterways - Saluda Backup Dam													
	Saluda	<u>332,839,644</u>	2082	R2.5 - 125		14	64	78	62%	23%	77%	256,918,921		<u>22,186,092,144,775</u>
	Total Reservoirs, Dams and Waterways	332,839,644											2082	22,186,092,144,775
333.00	Water Wheels, Turbines and Generators													
	Fairfield	67,528,739	2128	S0 - 90		30	97	128	142%	22%	78%	52,598,135		5,635,813,526,169
	Neal Shoals	3,707,773	2055	S0 - 90		30	97	128	142%	22%	78%	2,887,984		210,582,969,807
	Parr	2,833,821	2064	S0 - 90		30	97	128	142%	22%	78%	2,207,263		170,264,441,307
	Saluda	10,098,848	2082	S0 - 90		30	97	128	142%	22%	78%	7,865,992		673,158,889,139
	Stevens Creek	<u>3,212,692</u>	2079	S0 - 90		30	97	128	142%	22%	78%	2,502,366		<u>210,627,313,324</u>
	Total Water Wheels, Turbines and Generators	87,381,873											2116	6,900,447,139,746
334.00	Accessory Electric Equipment													
	Fairfield	22,652,370	2128	O1 - 50		9	94	103	206%	0%	100%	22,652,370		1,890,521,467,919
	Neal Shoals	495,223	2055	O1 - 50		9	94	103	206%	0%	100%	495,223		28,126,189,149
	Parr	2,033,550	2064	O1 - 50		9	94	103	206%	0%	100%	2,033,550		122,181,759,415
	Saluda	6,002,083	2082	O1 - 50		9	94	103	206%	0%	100%	6,002,083		400,080,835,866
	Stevens Creek	<u>1,112,316</u>	2079	O1 - 50		9	94	103	206%	0%	100%	1,112,316		<u>72,924,519,774</u>
	Total Accessory Electric Equipment	32,295,541											2113	2,513,834,772,123
335.00	Miscellaneous Power Plant Equipment													
	Fairfield	6,545,445	2128	R1.5 - 65		20	89	109	168%	4%	96%	6,308,500		546,269,736,291
	Neal Shoals	374,307	2055	R1.5 - 65		20	89	109	168%	4%	96%	360,757		21,258,740,507
	Parr	512,589	2064	R1.5 - 65		20	89	109	168%	4%	96%	494,034		30,797,910,723
	Saluda	2,209,592	2082	R1.5 - 65		20	89	109	168%	4%	96%	2,129,605		147,284,799,274
	Stevens Creek	<u>1,442,721</u>	2079	R1.5 - 65		20	89	109	168%	4%	96%	1,390,495		<u>94,586,262,295</u>
	Total Miscellaneous Power Plant Equipment	11,084,655											2107	840,197,449,090
336.00	Roads, Railroads and Bridges													
	Fairfield	1,328,336	2128	R4 - 75		37	96	133	177%	0%	100%	1,328,336		110,860,290,925
	Neal Shoals	2,645	2055	R4 - 75		37	96	133	177%	0%	100%	2,645		150,226,183
	Parr	124,198	2064	R4 - 75		37	96	133	177%	0%	100%	124,198		7,462,168,006
	Saluda	233,527	2082	R4 - 75		37	96	133	177%	0%	100%	233,527		15,566,177,910
	Stevens Creek	<u>128,812</u>	2079	R4 - 75		37	96	133	177%	0%	100%	128,812		<u>8,445,035,665</u>

Interim Retirement Development

Study Date		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
Account No.	Description	Original Cost	Decom. Date	Avg. Life	Iowa Curve	Avg. Age at Study	Years to PYR	Avg. Age of Retire.	Age as % of ASL	Percent Surviving	Percent Retired	Interim Retired	Avg PYR	PYR Weight
	Coit	3,490,096	2029	S1 - 65		10	30	40	62%	82%	18%	642,876		165,078,055,434
	Hagood Unit 4	6,077,154	2041	S1 - 65		10	30	40	62%	82%	18%	1,119,412		314,079,491,634
	Hardeeville	1,862,867	2019	S1 - 65		10	30	40	62%	82%	18%	343,140		81,593,593,872
	Parr	3,374,759	2040	S1 - 65		10	30	40	62%	82%	18%	621,631		173,182,509,656
	Urquhart Units 1, 2, 3 and Common	6,446,775	2029	S1 - 65		10	30	40	62%	82%	18%	1,187,496		304,925,993,224
	Urquhart Unit 4	19,508,023	2049	S1 - 65		10	30	40	62%	82%	18%	3,593,378		1,065,216,102,635
	Urquhart Units 5 and 6	13,383,304	2052	S1 - 65		10	30	40	62%	82%	18%	2,465,205		745,450,022,774
	Williams - Bushy Park	76,279	2025	S1 - 65		10	30	40	62%	82%	18%	14,051		3,496,456,175
	Jasper	32,735,532	2044	S1 - 65		10	30	40	62%	82%	18%	6,029,885		1,727,715,882,035
	Hagood Unit 6	3,645	2060	S1 - 65		10	30	40	62%	82%	18%	671		213,671,914
	Columbia Energy Center	90,650,000	2054	S1 - 65		10	30	40	62%	82%	18%	16,697,730		5,129,339,600,000
	Boeing Building Solar Project	7,030,745	2031	S1 - 65		10	30	40	62%	82%	18%	1,295,063		338,122,594,311
	Total Generators	184,639,179											2048	10,048,413,973,663
345.00	Accessory Electric Equipment													
	Coit	618,018	2029	S2 - 40		12	28	40	101%	49%	51%	316,363		29,231,621,084
	Hagood Unit 4	2,775,657	2041	S2 - 40		12	28	40	101%	49%	51%	1,420,859		143,451,488,536
	Hardeeville	282,978	2019	S2 - 40		12	28	40	101%	49%	51%	144,857		12,394,450,854
	Parr	1,091,579	2040	S2 - 40		12	28	40	101%	49%	51%	558,779		56,016,573,912
	Urquhart Units 1, 2, 3 and Common	272,174	2029	S2 - 40		12	28	40	101%	49%	51%	139,326		12,873,546,674
	Urquhart Unit 4	897,653	2049	S2 - 40		12	28	40	101%	49%	51%	459,508		49,015,429,123
	Urquhart Units 5 and 6	17,164,380	2052	S2 - 40		12	28	40	101%	49%	51%	8,786,446		956,055,987,166
	Williams - Bushy Park	418,086	2025	S2 - 40		12	28	40	101%	49%	51%	214,018		19,164,243,028
	Jasper	31,258,421	2044	S2 - 40		12	28	40	101%	49%	51%	16,001,186		1,649,756,932,455
	Hagood Unit 5	2,142,451	2060	S2 - 40		12	28	40	101%	49%	51%	1,096,720		125,594,736,142
	Hagood Unit 6	3,273,297	2060	S2 - 40		12	28	40	101%	49%	51%	1,675,601		191,887,220,838
	Columbia Energy Center	2,952,427	2054	S2 - 40		12	28	40	101%	49%	51%	1,511,347		167,060,104,471
	Boeing Building Solar Project	2,197,108	2031	S2 - 40		12	28	40	101%	49%	51%	1,124,700		105,663,335,249
	Total Accessory Electric Equipment	65,344,229											2047	3,518,165,669,531
345.50	Accessory Electric Equipment - CIPv5													
	Hagood Unit 4	12,906	2041	S2 - 40		2	22	24	60%	89%	11%	1,371		666,983,085
	Parr	1,832,658	2040	S2 - 40		2	22	24	60%	89%	11%	194,628		94,046,493,651
	Jasper	131,998	2044	S2 - 40		2	22	24	60%	89%	11%	14,018		6,966,576,194
	Total Accessory Electric Equipment - CIPv5	1,977,561											2040	101,680,052,930
346.00	Miscellaneous Power Plant Equipment													
	Coit	154,038	2029	R1 - 42		8	25	32	77%	69%	31%	48,506		7,285,830,118
	Hagood Unit 4	404,725	2041	R1 - 42		8	25	32	77%	69%	31%	127,448		20,916,989,698
	Hardeeville	74,225	2019	R1 - 42		8	25	32	77%	69%	31%	23,373		3,251,040,984
	Parr	224,826	2040	R1 - 42		8	25	32	77%	69%	31%	70,798		11,537,377,368
	Urquhart Units 1, 2, 3 and Common	107,889	2029	R1 - 42		8	25	32	77%	69%	31%	33,974		5,103,034,716
	Urquhart Unit 4	80,448	2049	R1 - 42		8	25	32	77%	69%	31%	25,333		4,392,802,249
	Urquhart Units 5 and 6	186,891	2052	R1 - 42		8	25	32	77%	69%	31%	58,852		10,409,807,534
	Williams - Bushy Park	120,893	2025	R1 - 42		8	25	32	77%	69%	31%	38,069		5,541,474,082
	Jasper	893,302	2044	R1 - 42		8	25	32	77%	69%	31%	281,301		47,146,705,623
	Hagood Unit 6	63,061	2060	R1 - 42		8	25	32	77%	69%	31%	19,858		3,696,756,666
	Columbia Energy Center	475,461	2054	R1 - 42		8	25	32	77%	69%	31%	149,723		26,903,463,156
	Boeing Building Solar Project	17,609	2031	R1 - 42		8	25	32	77%	69%	31%	5,545		846,860,685
	Solar Farm	1,996	2036	R1 - 42		8	25	32	77%	69%	31%	629		99,534,014
	Total Miscellaneous Power Plant Equipment	2,805,363											2043	147,131,676,893

Interim Retirement Development

Study Date		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
Account No.	Description	Original Cost	Decom. Date	Avg. Life	Iowa Curve	Avg. Age at Study	Years to PYR	Avg. Age of Retire.	Age as % of ASL	Percent Surviving	Percent Retired	Interim Retired	Avg PYR	PYR Weight

[1], [2] From depreciation study
 [3], [4] Unadjusted interim Iowa curves from depreciation study
 [5] Average age of survivors from Exhibit DJG-17
 $[6] = ([12] - [12-31-18]) / 365$
 $[7] = [5] + [6]$
 $[8] = [7] / [4]$
 [9] Percent surviving based on Age as % of AL in [8] and Iowa curve selected in [3]
 $[10] = 1 - [9]$
 $[11] = [1] * [10]$
 [12] = Average year of probable retirement = subtotals in [13] / subtotals in [1]
 $[13] = [1] * [2]$

Account 355 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	DESC S1-53	ORS L1.5-59	DESC SSD	ORS SSD
0.0	501,849,007	100.00%	100.00%	100.00%	0.0000	0.0000
0.5	466,751,173	100.00%	100.00%	99.98%	0.0000	0.0000
1.5	434,803,113	99.97%	100.00%	99.92%	0.0000	0.0000
2.5	404,153,726	99.91%	99.98%	99.85%	0.0000	0.0000
3.5	364,657,209	99.86%	99.95%	99.76%	0.0000	0.0000
4.5	308,753,257	99.71%	99.90%	99.66%	0.0000	0.0000
5.5	277,774,987	99.53%	99.82%	99.53%	0.0000	0.0000
6.5	258,611,221	99.37%	99.72%	99.38%	0.0000	0.0000
7.5	238,299,294	99.22%	99.59%	99.20%	0.0000	0.0000
8.5	225,609,959	99.07%	99.42%	99.00%	0.0000	0.0000
9.5	206,030,568	98.95%	99.22%	98.76%	0.0000	0.0000
10.5	199,585,401	98.18%	98.98%	98.50%	0.0001	0.0000
11.5	193,552,409	98.06%	98.70%	98.20%	0.0000	0.0000
12.5	189,848,393	97.90%	98.38%	97.86%	0.0000	0.0000
13.5	173,072,157	97.67%	98.01%	97.49%	0.0000	0.0000
14.5	153,942,297	97.26%	97.60%	97.08%	0.0000	0.0000
15.5	130,062,117	96.94%	97.14%	96.64%	0.0000	0.0000
16.5	128,344,521	96.51%	96.64%	96.15%	0.0000	0.0000
17.5	125,366,865	95.98%	96.08%	95.63%	0.0000	0.0000
18.5	116,397,814	95.38%	95.48%	95.07%	0.0000	0.0000
19.5	111,427,677	94.90%	94.83%	94.47%	0.0000	0.0000
20.5	106,731,595	94.38%	94.13%	93.83%	0.0000	0.0000
21.5	103,448,883	93.86%	93.38%	93.14%	0.0000	0.0001
22.5	94,261,329	93.45%	92.59%	92.41%	0.0001	0.0001
23.5	86,163,719	92.94%	91.74%	91.63%	0.0001	0.0002
24.5	81,462,132	92.48%	90.85%	90.81%	0.0003	0.0003
25.5	76,458,453	91.70%	89.91%	89.93%	0.0003	0.0003
26.5	63,856,138	89.54%	88.92%	89.00%	0.0000	0.0000
27.5	60,112,218	87.55%	87.88%	88.02%	0.0000	0.0000
28.5	52,709,025	86.29%	86.80%	86.98%	0.0000	0.0000
29.5	49,557,879	83.79%	85.67%	85.90%	0.0004	0.0004
30.5	42,641,473	82.91%	84.50%	84.76%	0.0003	0.0003
31.5	41,206,103	82.02%	83.29%	83.58%	0.0002	0.0002
32.5	37,979,549	80.16%	82.04%	82.36%	0.0004	0.0005
33.5	36,346,597	79.59%	80.75%	81.09%	0.0001	0.0002
34.5	32,913,125	78.69%	79.41%	79.79%	0.0001	0.0001
35.5	31,557,486	78.01%	78.04%	78.46%	0.0000	0.0000
36.5	28,897,140	77.23%	76.64%	77.10%	0.0000	0.0000
37.5	26,810,522	75.99%	75.20%	75.71%	0.0001	0.0000
38.5	24,507,682	74.79%	73.73%	74.30%	0.0001	0.0000
39.5	20,574,831	73.48%	72.23%	72.87%	0.0002	0.0000
40.5	15,068,428	72.63%	70.70%	71.42%	0.0004	0.0001
41.5	13,314,007	70.68%	69.14%	69.96%	0.0002	0.0001
42.5	11,746,028	69.01%	67.56%	68.49%	0.0002	0.0000
43.5	9,514,319	68.26%	65.96%	67.01%	0.0005	0.0002
44.5	7,749,848	66.34%	64.34%	65.53%	0.0004	0.0001
45.5	6,791,996	65.69%	62.69%	64.05%	0.0009	0.0003
46.5	5,876,472	62.72%	61.03%	62.56%	0.0003	0.0000
47.5	4,312,657	60.80%	59.36%	61.08%	0.0002	0.0000
48.5	3,707,730	58.68%	57.68%	59.61%	0.0001	0.0001
49.5	3,152,739	55.06%	55.98%	58.15%	0.0001	0.0010
50.5	2,065,608	53.39%	54.28%	56.69%	0.0001	0.0011
51.5	1,665,348	52.30%	52.57%	55.25%	0.0000	0.0009
52.5	1,587,505	51.76%	50.86%	53.82%	0.0001	0.0004
53.5	1,536,558	51.29%	49.14%	52.41%	0.0005	0.0001
54.5	1,268,994	50.55%	47.43%	51.01%	0.0010	0.0000

Account 355 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	DESC S1-53	ORS L1.5-59	DESC SSD	ORS SSD
55.5	995,714	43.37%	45.72%	49.63%	0.0006	0.0039
56.5	773,252	35.81%	44.02%	48.27%	0.0067	0.0155
57.5	681,063	34.29%	42.32%	46.94%	0.0065	0.0160
58.5	643,047	34.09%	40.64%	45.62%	0.0043	0.0133
59.5	623,467	33.64%	38.97%	44.32%	0.0028	0.0114
60.5	564,434	32.37%	37.31%	43.04%	0.0024	0.0114
61.5	533,289	31.01%	35.66%	41.78%	0.0022	0.0116
62.5	473,991	29.99%	34.04%	40.55%	0.0016	0.0112
63.5	453,154	29.60%	32.44%	39.34%	0.0008	0.0095
64.5	378,526	27.61%	30.86%	38.15%	0.0011	0.0111
65.5	255,256	27.50%	29.30%	36.99%	0.0003	0.0090
66.5	226,473	26.82%	27.77%	35.84%	0.0001	0.0081
67.5	160,192	26.82%	26.27%	34.72%	0.0000	0.0062
68.5	114,228	19.44%	24.80%	33.62%	0.0029	0.0201
69.5	114,171	19.44%	23.36%	32.54%	0.0015	0.0172
70.5	101,055	19.44%	21.96%	31.49%	0.0006	0.0145
71.5	97,112	19.44%	20.59%	30.46%	0.0001	0.0121
72.5	91,637	18.43%	19.25%	29.44%	0.0001	0.0121
73.5	91,637	18.43%	17.96%	28.45%	0.0000	0.0100
74.5	91,580	18.43%	16.71%	27.48%	0.0003	0.0082
75.5	89,904	18.18%	15.50%	26.53%	0.0007	0.0070
76.5	87,468	18.18%	14.33%	25.61%	0.0015	0.0055
77.5	87,468	18.18%	13.20%	24.70%	0.0025	0.0042
78.5	87,468	18.18%	12.12%	23.81%	0.0037	0.0032
79.5	87,468	18.18%	11.08%	22.94%	0.0050	0.0023
80.5	18,479	18.18%	10.09%	22.10%	0.0065	0.0015
81.5	18,479	18.18%	9.15%	21.27%	0.0082	0.0010
82.5	18,479	18.18%	8.26%	20.46%	0.0098	0.0005
83.5	18,479	18.18%	7.41%	19.67%	0.0116	0.0002
84.5	16,994	16.72%	6.62%	18.90%	0.0102	0.0005
85.5	12,203	12.01%	5.87%	18.15%	0.0038	0.0038
86.5	12,203	12.01%	5.17%	17.42%	0.0047	0.0029
87.5			4.52%	16.70%		
Sum of Squared Differences				[8]	0.1109	0.2726
Up to 1% of Beginning Exposures				[9]	0.0057	0.0038

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve.

[4] The Company's selected Iowa curve to be fitted to the OLT.

[5] My selected Iowa curve to be fitted to the OLT.

[6] = $(([4] - [3])^2)$. This is the squared difference between each point on the Company's curve and the observed survivor curve.

[7] = $(([5] - [3])^2)$. This is the squared difference between each point on my curve and the observed survivor curve.

[8] = Sum of squared differences. The smallest SSD represents the best mathematical fit.

Account 356 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	DESC R2.5-57	ORS S0.5-64	DESC SSD	ORS SSD
0.0	287,616,087	100.00%	100.00%	100.00%	0.0000	0.0000
0.5	260,551,942	99.99%	99.95%	99.99%	0.0000	0.0000
1.5	252,387,854	99.98%	99.85%	99.95%	0.0000	0.0000
2.5	243,100,304	99.95%	99.74%	99.88%	0.0000	0.0000
3.5	217,387,399	99.84%	99.62%	99.78%	0.0000	0.0000
4.5	178,885,129	99.69%	99.50%	99.66%	0.0000	0.0000
5.5	173,412,854	99.58%	99.36%	99.50%	0.0000	0.0000
6.5	169,654,957	99.42%	99.21%	99.32%	0.0000	0.0000
7.5	160,889,896	99.27%	99.06%	99.12%	0.0000	0.0000
8.5	156,153,118	99.06%	98.89%	98.88%	0.0000	0.0000
9.5	151,422,742	98.95%	98.71%	98.62%	0.0000	0.0000
10.5	146,493,113	98.37%	98.52%	98.33%	0.0000	0.0000
11.5	141,744,591	98.26%	98.31%	98.02%	0.0000	0.0000
12.5	140,905,555	98.21%	98.09%	97.68%	0.0000	0.0000
13.5	138,289,225	98.11%	97.86%	97.31%	0.0000	0.0001
14.5	129,105,157	97.83%	97.61%	96.92%	0.0000	0.0001
15.5	114,004,187	97.58%	97.34%	96.50%	0.0000	0.0001
16.5	111,427,814	97.14%	97.05%	96.05%	0.0000	0.0001
17.5	109,217,838	97.05%	96.75%	95.57%	0.0000	0.0002
18.5	105,082,774	96.77%	96.42%	95.07%	0.0000	0.0003
19.5	99,427,928	96.31%	96.07%	94.54%	0.0000	0.0003
20.5	96,051,502	96.08%	95.70%	93.98%	0.0000	0.0004
21.5	91,703,622	95.74%	95.31%	93.40%	0.0000	0.0005
22.5	75,722,711	95.46%	94.89%	92.79%	0.0000	0.0007
23.5	68,230,647	94.95%	94.45%	92.15%	0.0000	0.0008
24.5	63,294,021	93.83%	93.98%	91.49%	0.0000	0.0005
25.5	60,248,329	93.25%	93.48%	90.80%	0.0000	0.0006
26.5	52,369,001	90.34%	92.95%	90.09%	0.0007	0.0000
27.5	49,126,149	88.66%	92.39%	89.35%	0.0014	0.0000
28.5	48,369,387	87.85%	91.80%	88.59%	0.0016	0.0001
29.5	46,342,451	86.44%	91.17%	87.81%	0.0022	0.0002
30.5	40,170,391	85.22%	90.51%	86.99%	0.0028	0.0003
31.5	38,853,281	84.57%	89.81%	86.16%	0.0027	0.0003
32.5	37,178,972	84.18%	89.07%	85.30%	0.0024	0.0001
33.5	36,618,336	84.02%	88.29%	84.42%	0.0018	0.0000
34.5	34,446,564	83.77%	87.47%	83.52%	0.0014	0.0000
35.5	33,840,359	83.02%	86.61%	82.60%	0.0013	0.0000
36.5	32,306,014	82.62%	85.70%	81.65%	0.0009	0.0001
37.5	30,450,137	82.14%	84.75%	80.69%	0.0007	0.0002
38.5	27,921,306	81.60%	83.74%	79.70%	0.0005	0.0004
39.5	23,418,720	80.32%	82.69%	78.70%	0.0006	0.0003
40.5	19,192,231	79.02%	81.58%	77.68%	0.0007	0.0002
41.5	17,268,941	76.28%	80.42%	76.64%	0.0017	0.0000
42.5	16,703,158	76.16%	79.20%	75.58%	0.0009	0.0000
43.5	14,705,648	76.06%	77.92%	74.51%	0.0003	0.0002
44.5	13,144,306	74.85%	76.59%	73.41%	0.0003	0.0002
45.5	11,895,237	74.06%	75.18%	72.31%	0.0001	0.0003
46.5	10,691,771	73.25%	73.72%	71.19%	0.0000	0.0004
47.5	8,799,943	72.72%	72.19%	70.05%	0.0000	0.0007
48.5	7,296,651	72.25%	70.60%	68.90%	0.0003	0.0011
49.5	6,636,241	71.22%	68.93%	67.74%	0.0005	0.0012
50.5	5,117,045	70.80%	67.20%	66.57%	0.0013	0.0018
51.5	3,664,214	68.65%	65.40%	65.39%	0.0011	0.0011
52.5	2,973,088	65.85%	63.54%	64.20%	0.0005	0.0003
53.5	2,684,621	61.87%	61.61%	62.99%	0.0000	0.0001
54.5	2,577,800	60.22%	59.62%	61.78%	0.0000	0.0002
55.5	2,443,218	57.53%	57.56%	60.56%	0.0000	0.0009
56.5	2,212,649	53.85%	55.46%	59.34%	0.0003	0.0030

Account 356 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	DESC R2.5-57	ORS S0.5-64	DESC SSD	ORS SSD
57.5	2,179,143	53.60%	53.30%	58.11%	0.0000	0.0020
58.5	1,975,019	53.00%	51.09%	56.87%	0.0004	0.0015
59.5	1,943,037	52.19%	48.85%	55.63%	0.0011	0.0012
60.5	1,647,657	50.99%	46.57%	54.38%	0.0020	0.0011
61.5	1,473,094	50.84%	44.28%	53.13%	0.0043	0.0005
62.5	1,288,638	45.07%	41.97%	51.88%	0.0010	0.0046
63.5	922,297	45.07%	39.66%	50.63%	0.0029	0.0031
64.5	578,560	37.44%	37.35%	49.38%	0.0000	0.0142
65.5	348,360	35.23%	35.07%	48.12%	0.0000	0.0166
66.5	345,336	34.93%	32.82%	46.87%	0.0004	0.0143
67.5	235,858	25.90%	30.60%	45.62%	0.0022	0.0389
68.5	231,949	25.90%	28.43%	44.38%	0.0006	0.0341
69.5	231,949	25.90%	26.33%	43.14%	0.0000	0.0297
70.5	231,949	25.90%	24.29%	41.90%	0.0003	0.0256
71.5	191,139	25.05%	22.33%	40.67%	0.0007	0.0244
72.5	191,139	25.05%	20.45%	39.44%	0.0021	0.0207
73.5	141,505	18.60%	18.65%	38.22%	0.0000	0.0385
74.5	117,931	15.50%	16.96%	37.01%	0.0002	0.0463
75.5	117,809	15.48%	15.35%	35.81%	0.0000	0.0413
76.5	113,445	15.48%	13.84%	34.61%	0.0003	0.0366
77.5	54,834	7.96%	12.43%	33.43%	0.0020	0.0649
78.5	31,899	4.63%	11.11%	32.26%	0.0042	0.0763
79.5	31,899	4.63%	9.89%	31.10%	0.0028	0.0701
80.5	31,297	4.54%	8.76%	29.95%	0.0018	0.0646
81.5	1,728	1.09%	7.72%	28.82%	0.0044	0.0769
82.5	1,728	1.09%	6.77%	27.70%	0.0032	0.0708
83.5	1,728	1.09%	5.90%	26.59%	0.0023	0.0650
84.5	1,728	1.09%	5.11%	25.50%	0.0016	0.0596
85.5	1,728	1.09%	4.40%	24.42%	0.0011	0.0544
86.5	1,728	1.09%	3.76%	23.37%	0.0007	0.0496
87.5	28	0.02%	3.20%	22.33%	0.0010	0.0498
88.5	28	0.02%	2.69%	21.30%	0.0007	0.0453
89.5	28	0.02%	2.25%	20.30%	0.0005	0.0411
90.5			1.87%	19.31%		
Sum of Squared Differences				[8]	0.0741	1.2024
Up to 1% of Beginning Exposures				[9]	0.0289	0.0144

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve.

[4] The Company's selected Iowa curve to be fitted to the OLT.

[5] My selected Iowa curve to be fitted to the OLT.

[6] = $([4] - [3])^2$. This is the squared difference between each point on the Company's curve and the observed survivor curve.

[7] = $([5] - [3])^2$. This is the squared difference between each point on my curve and the observed survivor curve.

[8] = Sum of squared differences. The smallest SSD represents the best mathematical fit.

Account 365 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	DESC R1.5-60	ORS R1-64	DESC SSD	ORS SSD
0.0	592,440,378	100.00%	100.00%	100.00%	0.0000	0.0000
0.5	564,392,558	99.98%	99.85%	99.80%	0.0000	0.0000
1.5	544,916,075	99.82%	99.55%	99.39%	0.0000	0.0000
2.5	523,648,320	99.59%	99.24%	98.97%	0.0000	0.0000
3.5	500,960,866	99.30%	98.92%	98.54%	0.0000	0.0001
4.5	478,043,030	98.92%	98.59%	98.11%	0.0000	0.0001
5.5	442,960,138	98.41%	98.25%	97.66%	0.0000	0.0001
6.5	417,338,838	97.89%	97.90%	97.21%	0.0000	0.0000
7.5	393,814,332	97.30%	97.53%	96.75%	0.0000	0.0000
8.5	371,293,787	96.87%	97.16%	96.28%	0.0000	0.0000
9.5	347,424,350	96.44%	96.78%	95.80%	0.0000	0.0000
10.5	339,733,003	95.99%	96.38%	95.31%	0.0000	0.0000
11.5	314,272,109	95.55%	95.97%	94.81%	0.0000	0.0001
12.5	297,585,367	95.10%	95.55%	94.30%	0.0000	0.0001
13.5	283,912,703	94.50%	95.12%	93.79%	0.0000	0.0001
14.5	266,843,857	93.99%	94.67%	93.27%	0.0000	0.0001
15.5	251,158,693	93.48%	94.21%	92.73%	0.0001	0.0001
16.5	237,879,866	92.90%	93.74%	92.19%	0.0001	0.0000
17.5	229,437,054	92.09%	93.26%	91.64%	0.0001	0.0000
18.5	219,482,174	91.61%	92.76%	91.09%	0.0001	0.0000
19.5	208,933,983	91.14%	92.25%	90.52%	0.0001	0.0000
20.5	200,217,073	90.67%	91.72%	89.95%	0.0001	0.0001
21.5	191,130,765	90.10%	91.18%	89.37%	0.0001	0.0001
22.5	182,836,336	89.49%	90.62%	88.78%	0.0001	0.0001
23.5	174,074,857	88.86%	90.05%	88.18%	0.0001	0.0000
24.5	164,083,857	88.16%	89.46%	87.57%	0.0002	0.0000
25.5	150,074,371	87.42%	88.85%	86.95%	0.0002	0.0000
26.5	133,136,915	86.76%	88.23%	86.32%	0.0002	0.0000
27.5	120,134,935	86.21%	87.59%	85.68%	0.0002	0.0000
28.5	104,017,123	85.65%	86.93%	85.03%	0.0002	0.0000
29.5	94,198,910	85.08%	86.24%	84.37%	0.0001	0.0001
30.5	82,107,471	84.48%	85.54%	83.70%	0.0001	0.0001
31.5	72,170,700	83.82%	84.82%	83.01%	0.0001	0.0001
32.5	66,361,727	83.18%	84.08%	82.32%	0.0001	0.0001
33.5	60,844,964	82.51%	83.31%	81.61%	0.0001	0.0001
34.5	55,277,866	81.79%	82.52%	80.88%	0.0001	0.0001
35.5	51,195,983	80.92%	81.71%	80.15%	0.0001	0.0001
36.5	47,355,278	79.95%	80.87%	79.40%	0.0001	0.0000
37.5	43,896,992	79.12%	80.01%	78.64%	0.0001	0.0000
38.5	40,595,455	78.29%	79.12%	77.86%	0.0001	0.0000
39.5	37,051,612	77.43%	78.21%	77.07%	0.0001	0.0000
40.5	34,132,507	76.59%	77.27%	76.26%	0.0000	0.0000
41.5	31,525,961	75.74%	76.31%	75.44%	0.0000	0.0000
42.5	29,554,131	74.90%	75.31%	74.60%	0.0000	0.0000
43.5	27,166,043	74.02%	74.29%	73.75%	0.0000	0.0000
44.5	24,683,234	73.07%	73.25%	72.88%	0.0000	0.0000
45.5	22,154,672	72.13%	72.17%	72.00%	0.0000	0.0000
46.5	20,045,036	71.20%	71.06%	71.10%	0.0000	0.0000
47.5	17,740,349	70.25%	69.93%	70.18%	0.0000	0.0000
48.5	15,335,875	69.25%	68.77%	69.25%	0.0000	0.0000
49.5	13,151,033	68.25%	67.58%	68.30%	0.0000	0.0000
50.5	11,480,102	67.20%	66.36%	67.34%	0.0001	0.0000
51.5	10,001,921	66.08%	65.12%	66.36%	0.0001	0.0000

Account 365 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	DESC R1.5-60	ORS R1-64	DESC SSD	ORS SSD
52.5	8,855,295	64.86%	63.84%	65.36%	0.0001	0.0000
53.5	8,029,820	63.60%	62.54%	64.35%	0.0001	0.0001
54.5	7,348,214	62.18%	61.21%	63.33%	0.0001	0.0001
55.5	6,690,954	60.94%	59.85%	62.29%	0.0001	0.0002
56.5	6,005,267	59.51%	58.47%	61.23%	0.0001	0.0003
57.5	5,339,705	58.21%	57.07%	60.16%	0.0001	0.0004
58.5	4,733,090	56.93%	55.64%	59.08%	0.0002	0.0005
59.5	4,177,582	55.41%	54.19%	57.98%	0.0001	0.0007
60.5	3,663,345	54.15%	52.72%	56.87%	0.0002	0.0007
61.5	3,185,657	52.91%	51.23%	55.75%	0.0003	0.0008
62.5	2,696,029	51.17%	49.73%	54.62%	0.0002	0.0012
63.5	2,179,446	49.38%	48.21%	53.47%	0.0001	0.0017
64.5	1,791,534	48.06%	46.67%	52.32%	0.0002	0.0018
65.5	1,451,798	46.83%	45.13%	51.15%	0.0003	0.0019
66.5	1,123,466	45.60%	43.58%	49.97%	0.0004	0.0019
67.5	859,277	44.20%	42.02%	48.79%	0.0005	0.0021
68.5	688,574	42.85%	40.46%	47.60%	0.0006	0.0023
69.5	524,576	41.50%	38.89%	46.40%	0.0007	0.0024
70.5	386,918	40.11%	37.33%	45.19%	0.0008	0.0026
71.5	273,377	38.57%	35.78%	43.98%	0.0008	0.0029
72.5	195,928	36.68%	34.24%	42.76%	0.0006	0.0037
73.5	156,806	34.66%	32.70%	41.54%	0.0004	0.0047
74.5	140,527	32.93%	31.18%	40.32%	0.0003	0.0055
75.5	127,866	31.00%	29.68%	39.09%	0.0002	0.0066
76.5	113,582	29.38%	28.20%	37.87%	0.0001	0.0072
77.5	91,761	27.80%	26.75%	36.65%	0.0001	0.0078
78.5	75,286	26.40%	25.31%	35.42%	0.0001	0.0081
79.5	63,815	25.28%	23.91%	34.20%	0.0002	0.0080
80.5	54,693	24.30%	22.54%	32.99%	0.0003	0.0075
81.5			21.21%	31.78%		
Sum of Squared Differences				[8]	0.0117	0.0854
Up to 1% of Beginning Exposures				[9]	0.0040	0.0025

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve.

[4] The Company's selected lowa curve to be fitted to the OLT.

[5] My selected lowa curve to be fitted to the OLT.

[6] = $([4] - [3])^2$. This is the squared difference between each point on the Company's curve and the observed survivor curve.

[7] = $([5] - [3])^2$. This is the squared difference between each point on my curve and the observed survivor curve.

[8] = Sum of squared differences. The smallest SSD represents the best mathematical fit.

Account 368 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	DESC R2.5-44	ORS R2-46	DESC SSD	ORS SSD
0.0	559,052,611	100.00%	100.00%	100.00%	0.0000	0.0000
0.5	545,766,608	99.99%	99.94%	99.90%	0.0000	0.0000
1.5	531,003,342	99.88%	99.80%	99.68%	0.0000	0.0000
2.5	515,644,518	99.74%	99.65%	99.44%	0.0000	0.0000
3.5	499,682,187	99.57%	99.49%	99.19%	0.0000	0.0000
4.5	484,856,801	99.40%	99.31%	98.92%	0.0000	0.0000
5.5	454,919,418	99.23%	99.12%	98.63%	0.0000	0.0000
6.5	436,857,544	98.98%	98.91%	98.32%	0.0000	0.0000
7.5	420,658,140	98.74%	98.67%	97.99%	0.0000	0.0001
8.5	403,859,873	98.41%	98.42%	97.64%	0.0000	0.0001
9.5	386,046,564	98.14%	98.14%	97.26%	0.0000	0.0001
10.5	366,015,391	97.76%	97.83%	96.85%	0.0000	0.0001
11.5	363,067,677	97.40%	97.50%	96.42%	0.0000	0.0001
12.5	320,625,288	96.98%	97.14%	95.97%	0.0000	0.0001
13.5	301,996,936	96.53%	96.75%	95.48%	0.0000	0.0001
14.5	285,728,496	96.04%	96.32%	94.96%	0.0000	0.0001
15.5	270,524,349	95.46%	95.86%	94.42%	0.0000	0.0001
16.5	257,414,621	94.95%	95.36%	93.83%	0.0000	0.0001
17.5	243,825,007	94.37%	94.82%	93.22%	0.0000	0.0001
18.5	229,771,697	93.66%	94.23%	92.56%	0.0000	0.0001
19.5	217,457,014	93.01%	93.60%	91.87%	0.0000	0.0001
20.5	206,579,342	92.29%	92.92%	91.14%	0.0000	0.0001
21.5	195,022,708	91.55%	92.18%	90.37%	0.0000	0.0001
22.5	182,755,067	90.75%	91.39%	89.55%	0.0000	0.0001
23.5	172,996,524	89.85%	90.54%	88.69%	0.0000	0.0001
24.5	161,308,512	88.86%	89.63%	87.78%	0.0001	0.0001
25.5	149,905,000	87.81%	88.66%	86.82%	0.0001	0.0001
26.5	140,065,134	86.74%	87.61%	85.82%	0.0001	0.0001
27.5	129,066,004	85.59%	86.50%	84.76%	0.0001	0.0001
28.5	113,221,749	84.35%	85.30%	83.64%	0.0001	0.0001
29.5	105,217,687	83.06%	84.03%	82.47%	0.0001	0.0000
30.5	97,458,580	81.76%	82.67%	81.24%	0.0001	0.0000
31.5	87,005,251	80.36%	81.23%	79.95%	0.0001	0.0000
32.5	78,412,461	79.00%	79.69%	78.60%	0.0000	0.0000
33.5	71,259,550	77.61%	78.06%	77.18%	0.0000	0.0000
34.5	64,526,301	76.17%	76.32%	75.71%	0.0000	0.0000
35.5	59,239,908	74.66%	74.48%	74.16%	0.0000	0.0000
36.5	54,607,976	73.05%	72.53%	72.55%	0.0000	0.0000
37.5	50,410,152	71.37%	70.47%	70.87%	0.0001	0.0000
38.5	46,806,506	69.68%	68.29%	69.13%	0.0002	0.0000
39.5	42,713,333	68.08%	66.00%	67.32%	0.0004	0.0001
40.5	38,381,869	66.27%	63.61%	65.44%	0.0007	0.0001
41.5	34,813,308	64.21%	61.10%	63.50%	0.0010	0.0001
42.5	31,720,911	62.18%	58.48%	61.50%	0.0014	0.0000
43.5	28,885,017	60.19%	55.77%	59.43%	0.0020	0.0001
44.5	25,884,685	58.11%	52.97%	57.31%	0.0026	0.0001
45.5	21,982,491	55.90%	50.10%	55.13%	0.0034	0.0001
46.5	18,860,131	53.64%	47.17%	52.91%	0.0042	0.0001
47.5	16,022,218	51.39%	44.20%	50.64%	0.0052	0.0001
48.5	13,137,086	48.83%	41.21%	48.33%	0.0058	0.0000
49.5	10,487,178	46.37%	38.22%	45.99%	0.0066	0.0000
50.5	8,073,440	44.00%	35.25%	43.63%	0.0077	0.0000
51.5	6,222,182	41.59%	32.33%	41.26%	0.0086	0.0000
52.5	4,649,781	38.97%	29.49%	38.88%	0.0090	0.0000
53.5	3,746,776	36.34%	26.73%	36.51%	0.0092	0.0000
54.5	3,246,150	33.47%	24.08%	34.15%	0.0088	0.0000
55.5	2,723,330	30.23%	21.57%	31.82%	0.0075	0.0003
56.5	2,281,342	26.93%	19.20%	29.52%	0.0060	0.0007
57.5	1,780,442	23.67%	16.97%	27.27%	0.0045	0.0013
58.5	1,385,688	20.04%	14.91%	25.07%	0.0026	0.0025
59.5	1,005,143	16.11%	13.01%	22.95%	0.0010	0.0047
60.5	732,577	12.42%	11.27%	20.89%	0.0001	0.0072

Account 368 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	DESC R2.5-44	ORS R2-46	DESC SSD	ORS SSD
61.5	500,404	9.42%	9.69%	18.92%	0.0000	0.0090
62.5	300,040	6.80%	8.26%	17.04%	0.0002	0.0105
63.5	175,289	4.45%	6.99%	15.26%	0.0006	0.0117
64.5	103,821	3.07%	5.85%	13.58%	0.0008	0.0110
65.5	70,872	2.36%	4.85%	12.01%	0.0006	0.0093
66.5	53,087	1.98%	3.98%	10.54%	0.0004	0.0073
67.5	37,121	1.69%	3.23%	9.17%	0.0002	0.0056
68.5	25,587	1.37%	2.58%	7.92%	0.0001	0.0043
69.5	17,778	1.03%	2.04%	6.77%	0.0001	0.0033
70.5	14,933	0.93%	1.59%	5.73%	0.0000	0.0023
71.5	10,508	0.76%	1.21%	4.78%	0.0000	0.0016
72.5	5,824	0.52%	0.91%	3.94%	0.0000	0.0012
73.5	5,014	0.45%	0.66%	3.19%	0.0000	0.0007
74.5	4,519	0.40%	0.46%	2.53%	0.0000	0.0005
75.5	3,598	0.32%	0.31%	1.95%	0.0000	0.0003
76.5	3,430	0.31%	0.19%	1.47%	0.0000	0.0001
77.5	3,346	0.30%	0.10%	1.06%	0.0000	0.0001
78.5	2,460	0.22%	0.05%	0.73%	0.0000	0.0000
79.5	2,157	0.19%	0.02%	0.47%	0.0000	0.0000
80.5	1,813	0.16%	0.00%	0.28%	0.0000	0.0000
81.5	1,767	0.16%	0.00%	0.15%	0.0000	0.0000
82.5	1,767	0.16%	0.00%	0.06%	0.0000	0.0000
83.5	1,750	0.16%	0.00%	0.02%	0.0000	0.0000
84.5	1,750	0.16%	0.00%	0.00%	0.0000	0.0000
85.5	1,629	0.15%	0.00%	0.00%	0.0000	0.0000
86.5	1,629	0.15%	0.00%	0.00%	0.0000	0.0000
87.5	1,629	0.15%	0.00%	0.00%	0.0000	0.0000
88.5	1,629	0.15%	0.00%	0.00%	0.0000	0.0000
89.5	1,629	0.15%	0.00%	0.00%	0.0000	0.0000
90.5	1,629	0.15%	0.00%	0.00%	0.0000	0.0000
91.5	1,629	0.15%	0.00%	0.00%	0.0000	0.0000
92.5	1,629	0.15%	0.00%	0.00%	0.0000	0.0000
93.5	1,629	0.15%	0.00%	0.00%	0.0000	0.0000
94.5	1,629	0.15%	0.00%	0.00%	0.0000	0.0000
95.5	9	0.00%	0.00%	0.00%	0.0000	0.0000
96.5	9	0.00%	0.00%	0.00%	0.0000	0.0000
97.5	9	0.00%	0.00%	0.00%	0.0000	0.0000
98.5	9	0.00%	0.00%	0.00%	0.0000	0.0000
99.5			0.00%	0.00%		
Sum of Squared Differences				[8]	0.1028	0.0988
Up to 1% of Beginning Exposures				[9]	0.0508	0.0032

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve.

[4] The Company's selected Iowa curve to be fitted to the OLT.

[5] My selected Iowa curve to be fitted to the OLT.

[6] = $(([4] - [3])^2)$. This is the squared difference between each point on the Company's curve and the observed survivor curve.

[7] = $(([5] - [3])^2)$. This is the squared difference between each point on my curve and the observed survivor curve.

[8] = Sum of squared differences. The smallest SSD represents the best mathematical fit.

Account 369 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	DESC R3-70	ORS R3-75	DESC SSD	ORS SSD
0.0	112,868,524	100.00%	100.00%	100.00%	0.0000	0.0000
0.5	109,959,819	100.00%	99.99%	99.99%	0.0000	0.0000
1.5	107,865,534	100.00%	99.97%	99.97%	0.0000	0.0000
2.5	106,126,305	99.99%	99.94%	99.94%	0.0000	0.0000
3.5	104,084,734	99.97%	99.91%	99.92%	0.0000	0.0000
4.5	102,049,919	99.95%	99.87%	99.88%	0.0000	0.0000
5.5	96,698,188	99.90%	99.84%	99.85%	0.0000	0.0000
6.5	94,333,749	99.86%	99.79%	99.81%	0.0000	0.0000
7.5	91,686,570	99.79%	99.75%	99.77%	0.0000	0.0000
8.5	89,400,683	99.71%	99.70%	99.73%	0.0000	0.0000
9.5	87,009,868	99.62%	99.64%	99.67%	0.0000	0.0000
10.5	85,042,569	99.52%	99.57%	99.62%	0.0000	0.0000
11.5	85,087,425	99.41%	99.50%	99.56%	0.0000	0.0000
12.5	79,821,121	99.32%	99.43%	99.49%	0.0000	0.0000
13.5	77,487,273	99.20%	99.34%	99.42%	0.0000	0.0000
14.5	76,175,045	99.08%	99.25%	99.34%	0.0000	0.0000
15.5	73,868,815	98.97%	99.15%	99.25%	0.0000	0.0000
16.5	70,889,472	98.86%	99.04%	99.16%	0.0000	0.0000
17.5	68,740,875	98.76%	98.92%	99.06%	0.0000	0.0000
18.5	66,166,104	98.65%	98.79%	98.95%	0.0000	0.0000
19.5	63,489,664	98.51%	98.65%	98.83%	0.0000	0.0000
20.5	60,686,661	98.38%	98.50%	98.70%	0.0000	0.0000
21.5	57,848,155	98.24%	98.33%	98.56%	0.0000	0.0000
22.5	55,012,355	98.09%	98.15%	98.41%	0.0000	0.0000
23.5	52,097,635	97.90%	97.96%	98.25%	0.0000	0.0000
24.5	49,424,150	97.72%	97.75%	98.08%	0.0000	0.0000
25.5	47,010,940	97.53%	97.53%	97.90%	0.0000	0.0000
26.5	44,520,734	97.32%	97.29%	97.70%	0.0000	0.0000
27.5	42,082,645	97.10%	97.03%	97.49%	0.0000	0.0000
28.5	38,284,141	96.89%	96.75%	97.26%	0.0000	0.0000
29.5	35,603,266	96.65%	96.46%	97.02%	0.0000	0.0000
30.5	33,009,366	96.40%	96.15%	96.76%	0.0000	0.0000
31.5	30,302,283	96.15%	95.81%	96.49%	0.0000	0.0000
32.5	27,993,292	95.87%	95.46%	96.20%	0.0000	0.0000
33.5	25,743,625	95.59%	95.08%	95.89%	0.0000	0.0000
34.5	23,707,064	95.30%	94.68%	95.57%	0.0000	0.0000
35.5	21,819,409	94.99%	94.25%	95.22%	0.0001	0.0000
36.5	20,220,672	94.67%	93.80%	94.85%	0.0001	0.0000
37.5	18,491,217	94.31%	93.32%	94.47%	0.0001	0.0000
38.5	17,164,483	93.93%	92.81%	94.06%	0.0001	0.0000
39.5	15,660,181	93.42%	92.27%	93.62%	0.0001	0.0000
40.5	14,380,220	93.03%	91.71%	93.17%	0.0002	0.0000
41.5	13,253,690	92.58%	91.11%	92.69%	0.0002	0.0000
42.5	12,125,087	92.10%	90.48%	92.18%	0.0003	0.0000
43.5	11,376,246	91.60%	89.82%	91.65%	0.0003	0.0000
44.5	10,371,843	91.07%	89.11%	91.09%	0.0004	0.0000
45.5	9,241,532	90.51%	88.38%	90.50%	0.0005	0.0000
46.5	7,928,922	89.93%	87.60%	89.88%	0.0005	0.0000
47.5	6,855,543	89.33%	86.79%	89.23%	0.0006	0.0000
48.5	6,001,527	88.66%	85.93%	88.55%	0.0007	0.0000
49.5	5,246,246	87.99%	85.04%	87.84%	0.0009	0.0000
50.5	4,532,480	87.27%	84.09%	87.09%	0.0010	0.0000
51.5	3,959,628	86.51%	83.10%	86.31%	0.0012	0.0000

Account 369 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
<u>Age (Years)</u>	<u>Exposures (Dollars)</u>	<u>Observed Life Table (OLT)</u>	<u>DESC R3-70</u>	<u>ORS R3-75</u>	<u>DESC SSD</u>	<u>ORS SSD</u>
52.5	3,494,851	85.74%	82.07%	85.49%	0.0013	0.0000
53.5	3,107,137	84.99%	80.98%	84.63%	0.0016	0.0000
54.5	2,794,411	83.90%	79.84%	83.73%	0.0017	0.0000
55.5	2,510,518	83.01%	78.64%	82.80%	0.0019	0.0000
56.5	2,246,388	82.15%	77.39%	81.81%	0.0023	0.0000
57.5	2,007,979	81.21%	76.09%	80.79%	0.0026	0.0000
58.5	1,788,657	80.23%	74.72%	79.72%	0.0030	0.0000
59.5	1,569,815	79.08%	73.30%	78.60%	0.0033	0.0000
60.5	1,405,616	77.93%	71.82%	77.44%	0.0037	0.0000
61.5	1,241,918	76.80%	70.27%	76.22%	0.0043	0.0000
62.5	1,074,714	75.75%	68.67%	74.96%	0.0050	0.0001
63.5	904,626	74.14%	67.00%	73.64%	0.0051	0.0000
64.5	763,289	72.45%	65.27%	72.27%	0.0052	0.0000
65.5	632,899	71.37%	63.48%	70.85%	0.0062	0.0000
66.5	510,992	69.91%	61.64%	69.37%	0.0068	0.0000
67.5	424,672	68.21%	59.73%	67.84%	0.0072	0.0000
68.5	356,275	66.97%	57.77%	66.26%	0.0085	0.0001
69.5	301,055	65.73%	55.76%	64.62%	0.0099	0.0001
70.5	243,556	64.24%	53.71%	62.94%	0.0111	0.0002
71.5	192,645	62.48%	51.61%	61.19%	0.0118	0.0002
72.5	158,952	60.64%	49.48%	59.41%	0.0125	0.0002
73.5	141,199	58.85%	47.32%	57.57%	0.0133	0.0002
74.5	128,867	56.87%	45.13%	55.69%	0.0138	0.0001
75.5	119,115	54.69%	42.93%	53.78%	0.0138	0.0001
76.5	105,785	51.58%	40.72%	51.82%	0.0118	0.0000
77.5	86,459	48.52%	38.52%	49.84%	0.0100	0.0002
78.5	69,668	45.04%	36.32%	47.82%	0.0076	0.0008
79.5	55,666	41.05%	34.14%	45.79%	0.0048	0.0022
80.5	39,672	37.18%	31.98%	43.74%	0.0027	0.0043
81.5			29.87%	41.68%		
Sum of Squared Differences				[8]	0.2003	0.0091
Up to 1% of Beginning Exposures				[9]	0.0332	0.0004

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve.

[4] The Company's selected lowa curve to be fitted to the OLT.

[5] My selected lowa curve to be fitted to the OLT.

[6] = $([4] - [3])^2$. This is the squared difference between each point on the Company's curve and the observed survivor curve.

[7] = $([5] - [3])^2$. This is the squared difference between each point on my curve and the observed survivor curve.

[8] = Sum of squared differences. The smallest SSD represents the best mathematical fit.

Account 369.1 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
<u>Age (Years)</u>	<u>Exposures (Dollars)</u>	<u>Observed Life Table (OLT)</u>	<u>DESC S3-70</u>	<u>ORS S3-80</u>	<u>DESC SSD</u>	<u>ORS SSD</u>
0.0	113,959,948	100.00%	100.00%	100.00%	0.0000	0.0000
0.5	111,725,726	100.00%	100.00%	100.00%	0.0000	0.0000
1.5	110,318,505	100.00%	100.00%	100.00%	0.0000	0.0000
2.5	109,735,890	100.00%	100.00%	100.00%	0.0000	0.0000
3.5	108,847,137	100.00%	100.00%	100.00%	0.0000	0.0000
4.5	107,205,365	100.00%	100.00%	100.00%	0.0000	0.0000
5.5	100,115,074	99.99%	100.00%	100.00%	0.0000	0.0000
6.5	98,997,910	99.99%	100.00%	100.00%	0.0000	0.0000
7.5	97,256,813	99.98%	100.00%	100.00%	0.0000	0.0000
8.5	95,518,802	99.98%	100.00%	100.00%	0.0000	0.0000
9.5	93,660,887	99.97%	100.00%	100.00%	0.0000	0.0000
10.5	90,647,231	99.96%	100.00%	100.00%	0.0000	0.0000
11.5	94,504,702	99.95%	100.00%	100.00%	0.0000	0.0000
12.5	78,792,223	99.94%	100.00%	100.00%	0.0000	0.0000
13.5	73,737,049	99.94%	100.00%	100.00%	0.0000	0.0000
14.5	71,416,791	99.93%	100.00%	100.00%	0.0000	0.0000
15.5	68,637,646	99.92%	99.99%	100.00%	0.0000	0.0000
16.5	66,713,303	99.90%	99.99%	100.00%	0.0000	0.0000
17.5	64,304,043	99.89%	99.98%	99.99%	0.0000	0.0000
18.5	60,786,874	99.88%	99.97%	99.99%	0.0000	0.0000
19.5	56,836,802	99.87%	99.96%	99.98%	0.0000	0.0000
20.5	52,986,256	99.85%	99.94%	99.98%	0.0000	0.0000
21.5	49,696,148	99.84%	99.92%	99.97%	0.0000	0.0000
22.5	46,593,499	99.82%	99.90%	99.96%	0.0000	0.0000
23.5	43,441,440	99.81%	99.86%	99.94%	0.0000	0.0000
24.5	40,532,900	99.79%	99.81%	99.92%	0.0000	0.0000
25.5	37,768,791	99.77%	99.76%	99.90%	0.0000	0.0000
26.5	34,518,016	99.74%	99.69%	99.87%	0.0000	0.0000
27.5	31,667,883	99.72%	99.60%	99.83%	0.0000	0.0000
28.5	28,365,442	99.71%	99.50%	99.79%	0.0000	0.0000
29.5	25,637,837	99.68%	99.38%	99.74%	0.0000	0.0000
30.5	22,434,227	99.66%	99.23%	99.67%	0.0000	0.0000
31.5	19,573,096	99.65%	99.06%	99.60%	0.0000	0.0000
32.5	16,646,136	99.64%	98.86%	99.51%	0.0001	0.0000
33.5	14,429,094	99.62%	98.63%	99.40%	0.0001	0.0000
34.5	12,214,379	99.61%	98.36%	99.28%	0.0002	0.0000
35.5	10,372,816	99.58%	98.05%	99.14%	0.0002	0.0000
36.5	9,037,587	99.56%	97.70%	98.98%	0.0003	0.0000
37.5	7,876,140	99.54%	97.31%	98.79%	0.0005	0.0001
38.5	6,715,467	99.51%	96.87%	98.58%	0.0007	0.0001
39.5	5,648,539	99.49%	96.37%	98.34%	0.0010	0.0001
40.5	4,649,344	99.45%	95.82%	98.07%	0.0013	0.0002
41.5	3,742,368	99.42%	95.21%	97.77%	0.0018	0.0003
42.5	3,065,067	99.38%	94.55%	97.44%	0.0023	0.0004
43.5	2,498,262	99.33%	93.81%	97.07%	0.0030	0.0005
44.5	1,766,590	99.27%	93.01%	96.66%	0.0039	0.0007
45.5	1,228,585	99.21%	92.14%	96.21%	0.0050	0.0009
46.5	863,080	99.16%	91.20%	95.72%	0.0063	0.0012
47.5	591,293	99.11%	90.19%	95.17%	0.0080	0.0015
48.5	394,870	99.07%	89.10%	94.59%	0.0099	0.0020
49.5	251,979	99.04%	87.94%	93.96%	0.0123	0.0026
50.5	100,459	99.04%	86.70%	93.27%	0.0152	0.0033
51.5	105,951	99.04%	85.38%	92.53%	0.0187	0.0042

Account 369.1 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	DESC S3-70	ORS S3-80	DESC SSD	ORS SSD
52.5	110,238	99.04%	83.99%	91.74%	0.0226	0.0053
53.5	113,991	99.04%	82.52%	90.89%	0.0273	0.0066
54.5	116,703	99.04%	80.99%	89.99%	0.0326	0.0082
55.5	115,659	99.04%	79.37%	89.03%	0.0387	0.0100
56.5	113,980	99.04%	77.69%	88.01%	0.0456	0.0122
57.5	103,519	99.04%	75.94%	86.94%	0.0534	0.0147
58.5	94,660	99.04%	74.12%	85.80%	0.0621	0.0175
59.5	86,307	99.04%	72.25%	84.61%	0.0718	0.0208
60.5	76,651	99.04%	70.31%	83.36%	0.0825	0.0246
61.5	65,023	99.04%	68.33%	82.05%	0.0943	0.0289
62.5	51,330	99.04%	66.29%	80.69%	0.1072	0.0337
63.5	40,474	99.04%	64.21%	79.27%	0.1213	0.0391
64.5	33,561	99.04%	62.09%	77.80%	0.1365	0.0451
65.5	31,422	99.04%	59.94%	76.27%	0.1529	0.0518
66.5	24,258	99.04%	57.76%	74.70%	0.1704	0.0592
67.5	21,424	99.04%	55.56%	73.08%	0.1891	0.0674
68.5	15,932	99.04%	53.34%	71.41%	0.2088	0.0763
69.5	11,644	99.04%	51.11%	69.70%	0.2297	0.0861
70.5	7,892	99.04%	48.89%	67.95%	0.2516	0.0967
71.5	3,219	99.04%	46.66%	66.16%	0.2744	0.1081
72.5	2,272	99.04%	44.44%	64.34%	0.2981	0.1204
73.5	1,618	99.04%	42.24%	62.49%	0.3226	0.1336
74.5	1,618	99.04%	40.06%	60.62%	0.3479	0.1476
75.5	1,618	99.04%	37.91%	58.72%	0.3737	0.1626
76.5	1,618	99.04%	35.79%	56.80%	0.4001	0.1784
77.5	609	99.04%	33.71%	54.87%	0.4268	0.1951
78.5	337	99.04%	31.67%	52.92%	0.4539	0.2127
79.5	337	99.04%	29.69%	50.98%	0.4810	0.2310
80.5	337	99.04%	27.75%	49.02%	0.5083	0.2502
81.5			25.88%	47.08%		
Sum of Squared Differences				[8]	6.0759	2.4621
Up to 1% of Beginning Exposures				[9]	0.0205	0.0033

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve.

[4] The Company's selected Iowa curve to be fitted to the OLT.

[5] My selected Iowa curve to be fitted to the OLT.

[6] = $([4] - [3])^2$. This is the squared difference between each point on the Company's curve and the observed survivor curve.

[7] = $([5] - [3])^2$. This is the squared difference between each point on my curve and the observed survivor curve.

[8] = Sum of squared differences. The smallest SSD represents the best mathematical fit.

Account 373 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	DESC S0.5-39	ORS L1-42	DESC SSD	ORS SSD
0.0	410,429,778	100.00%	100.00%	100.00%	0.0000	0.0000
0.5	387,285,913	99.95%	99.99%	99.93%	0.0000	0.0000
1.5	367,066,793	99.58%	99.89%	99.76%	0.0000	0.0000
2.5	345,804,994	99.30%	99.71%	99.54%	0.0000	0.0000
3.5	327,649,319	99.02%	99.46%	99.28%	0.0000	0.0000
4.5	312,331,775	98.76%	99.14%	98.95%	0.0000	0.0000
5.5	278,078,238	98.27%	98.75%	98.56%	0.0000	0.0000
6.5	262,930,093	97.91%	98.28%	98.09%	0.0000	0.0000
7.5	247,656,722	97.01%	97.75%	97.55%	0.0001	0.0000
8.5	232,730,991	96.50%	97.14%	96.92%	0.0000	0.0000
9.5	217,052,091	95.96%	96.46%	96.21%	0.0000	0.0000
10.5	203,652,274	95.40%	95.70%	95.41%	0.0000	0.0000
11.5	184,150,403	94.82%	94.87%	94.51%	0.0000	0.0000
12.5	169,214,843	94.07%	93.98%	93.53%	0.0000	0.0000
13.5	154,922,946	93.13%	93.00%	92.45%	0.0000	0.0000
14.5	143,753,647	91.90%	91.96%	91.28%	0.0000	0.0000
15.5	132,086,978	90.65%	90.85%	90.02%	0.0000	0.0000
16.5	119,727,872	89.31%	89.67%	88.67%	0.0000	0.0000
17.5	108,681,050	87.97%	88.42%	87.24%	0.0000	0.0001
18.5	97,351,545	86.34%	87.11%	85.74%	0.0001	0.0000
19.5	86,105,335	83.74%	85.74%	84.17%	0.0004	0.0000
20.5	77,127,971	81.81%	84.30%	82.55%	0.0006	0.0001
21.5	68,484,194	79.35%	82.80%	80.87%	0.0012	0.0002
22.5	60,823,984	77.29%	81.25%	79.15%	0.0016	0.0003
23.5	54,095,132	75.92%	79.64%	77.41%	0.0014	0.0002
24.5	48,031,018	74.54%	77.98%	75.64%	0.0012	0.0001
25.5	42,132,290	73.17%	76.27%	73.87%	0.0010	0.0000
26.5	36,225,485	71.75%	74.52%	72.10%	0.0008	0.0000
27.5	32,630,291	70.22%	72.72%	70.32%	0.0006	0.0000
28.5	30,134,041	68.61%	70.88%	68.56%	0.0005	0.0000
29.5	27,242,642	66.95%	69.01%	66.79%	0.0004	0.0000
30.5	23,863,860	65.33%	67.10%	65.03%	0.0003	0.0000
31.5	19,960,407	63.60%	65.16%	63.28%	0.0002	0.0000
32.5	17,052,679	62.02%	63.19%	61.54%	0.0001	0.0000
33.5	14,299,223	60.59%	61.21%	59.81%	0.0000	0.0001
34.5	12,139,588	59.23%	59.20%	58.09%	0.0000	0.0001
35.5	10,170,689	57.79%	57.17%	56.38%	0.0000	0.0002
36.5	8,220,435	56.35%	55.13%	54.68%	0.0001	0.0003
37.5	6,708,120	54.92%	53.08%	53.00%	0.0003	0.0004
38.5	5,633,071	53.39%	51.03%	51.33%	0.0006	0.0004
39.5	4,422,995	51.80%	48.97%	49.69%	0.0008	0.0004
40.5	3,411,999	50.11%	46.92%	48.06%	0.0010	0.0004
41.5	2,651,676	48.41%	44.87%	46.45%	0.0013	0.0004
42.5	1,991,815	46.73%	42.83%	44.86%	0.0015	0.0004
43.5	1,412,383	45.05%	40.81%	43.29%	0.0018	0.0003
44.5	989,613	43.38%	38.80%	41.75%	0.0021	0.0003
45.5	604,442	41.74%	36.81%	40.22%	0.0024	0.0002
46.5	430,842	40.12%	34.84%	38.73%	0.0028	0.0002

Account 373 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	DESC S0.5-39	ORS L1-42	DESC SSD	ORS SSD
47.5	310,609	38.38%	32.90%	37.26%	0.0030	0.0001
48.5	228,715	36.46%	31.00%	35.81%	0.0030	0.0000
49.5	163,421	34.49%	29.12%	34.39%	0.0029	0.0000
50.5	112,749	32.52%	27.28%	33.00%	0.0027	0.0000
51.5	69,936	30.55%	25.48%	31.64%	0.0026	0.0001
52.5	40,608	28.64%	23.73%	30.30%	0.0024	0.0003
53.5	20,875	26.88%	22.02%	29.00%	0.0024	0.0004
54.5	15,077	25.64%	20.36%	27.72%	0.0028	0.0004
55.5	10,487	24.37%	18.76%	26.48%	0.0032	0.0004
56.5	6,769	23.10%	17.20%	25.27%	0.0035	0.0005
57.5	4,670	21.81%	15.71%	24.08%	0.0037	0.0005
58.5	2,867	20.53%	14.27%	22.94%	0.0039	0.0006
59.5	1,695	19.18%	12.89%	21.82%	0.0040	0.0007
60.5	869	17.73%	11.58%	20.73%	0.0038	0.0009
61.5	511	16.05%	10.33%	19.68%	0.0033	0.0013
62.5	331	14.11%	9.15%	18.66%	0.0025	0.0021
63.5	120	12.09%	8.04%	17.67%	0.0016	0.0031
64.5	29	9.92%	7.00%	16.71%	0.0009	0.0046
65.5	0	8.24%	6.03%	15.79%	0.0005	0.0057
66.5			5.13%	14.90%		
Sum of Squared Differences				[8]	0.0779	0.0274
Up to 1% of Beginning Exposures				[9]	0.0126	0.0034

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve.

[4] The Company's selected Iowa curve to be fitted to the OLT.

[5] My selected Iowa curve to be fitted to the OLT.

[6] = ([4] - [3])². This is the squared difference between each point on the Company's curve and the observed survivor curve.

[7] = ([5] - [3])². This is the squared difference between each point on my curve and the observed survivor curve.

[8] = Sum of squared differences. The smallest SSD represents the best mathematical fit.

DESC
Electric Division
311.00 Structures and Improvements
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1925	0.00	0.00	1,015,824.41	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	1,015,824.41	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	1,015,824.41	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	1,015,824.41	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	1,015,824.41	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	1,015,824.41	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	1,015,824.41	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	1,015,824.41	0.00	71,025.28	6.99	0.00	0.0	0.00	0.00	0.0	0.00
1933	1,086,849.69	6.99	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	1,086,849.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	1,086,849.69	0.00	692,187.85	63.69	0.00	0.0	0.00	0.00	0.0	0.00
1948	1,779,037.54	63.69	58,137.53	3.27	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
311.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1925	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
311.00 Structures and Improvements
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1949	1,837,175.07	3.27	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	1,837,175.07	0.00	475,214.40	25.87	0.00	0.0	0.00	0.00	0.0	0.00
1951	2,312,389.47	25.87	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	2,312,389.47	0.00	841,983.17	36.41	0.00	0.0	0.00	0.00	0.0	0.00
1953	3,154,372.64	36.41	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	3,154,372.64	0.00	6,106,509.15	193.59	0.00	0.0	0.00	0.00	0.0	0.00
1955	9,260,881.79	193.59	2,222,545.89	24.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	11,483,427.68	24.00	33,311.65	0.29	0.00	0.0	0.00	0.00	0.0	0.00
1957	11,516,739.33	0.29	7,813.98	0.07	0.00	0.0	0.00	0.00	0.0	0.00
1958	11,524,553.31	0.07	4,280,842.58	37.15	0.00	0.0	0.00	0.00	0.0	0.00
1959	15,805,395.89	37.15	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	15,805,395.89	0.00	0.00	0.00	0.00	0.0	0.00	89.31	2.5	0.00
1961	15,805,306.58	0.00	941.24	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1962	15,806,247.82	0.01	-1,236,520.51	-7.82	0.00	0.0	0.00	0.00	0.0	0.00
1963	14,569,727.31	-7.82	471.60	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	14,570,198.91	0.00	-612,616.68	-4.20	0.00	0.0	0.00	1,420.31	6.5	0.01
1965	13,956,161.92	-4.21	-3,193.38	-0.02	0.00	0.0	0.00	0.00	0.0	0.00
1966	13,952,968.54	-0.02	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	13,952,968.54	0.00	-2,488,979.67	-17.84	0.00	0.0	0.00	47.74	19.5	0.00
1968	11,463,941.13	-17.84	-54,203.64	-0.47	0.00	0.0	0.00	1,043.16	6.5	0.01
1969	11,408,694.33	-0.48	-9,690.89	-0.08	0.00	0.0	0.00	0.00	0.0	0.00
1970	11,399,003.44	-0.08	6,816,778.41	59.80	0.00	0.0	0.00	0.00	0.0	0.00
1971	18,215,781.85	59.80	5,088,295.80	27.93	0.00	0.0	0.00	4,993.10	9.9	0.03
1972	23,299,084.55	27.91	-18,572.24	-0.08	0.00	0.0	0.00	15,121.18	18.5	0.06

DESC
Electric Division
311.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1949	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1951	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	89.31	2.5	0.00
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,420.31	6.5	0.01
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	47.74	19.5	0.00
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,043.16	6.5	0.01
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,993.10	9.9	0.03
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	15,121.18	18.5	0.06

DESC
Electric Division
311.00 Structures and Improvements
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1973	23,265,391.13	-0.14	-22,674.96	-0.10	0.00	0.0	0.00	73,989.28	48.5	0.32
1974	23,168,726.89	-0.42	-62,386.76	-0.27	0.00	0.0	0.00	11,609.43	42.5	0.05
1975	23,094,730.70	-0.32	-1,832,565.91	-7.93	0.00	0.0	0.00	10,901.46	16.6	0.05
1976	21,251,263.33	-7.98	21,834.69	0.10	0.00	0.0	0.00	16,270.18	34.7	0.08
1977	21,256,827.84	0.03	10,671.20	0.05	0.00	0.0	0.00	4,497.34	19.9	0.02
1978	21,263,001.70	0.03	1,721,353.54	8.10	0.00	0.0	0.00	39,659.11	52.7	0.19
1979	22,944,696.13	7.91	208,068.10	0.91	0.00	0.0	0.00	24,327.53	40.7	0.11
1980	23,128,436.70	0.80	38,871.93	0.17	0.00	0.0	0.00	0.00	0.0	0.00
1981	23,167,308.63	0.17	107,653.09	0.46	0.00	0.0	0.00	4,384.75	23.6	0.02
1982	23,270,576.97	0.45	22,339.90	0.10	0.00	0.0	0.00	775.73	33.7	0.00
1983	23,292,141.14	0.09	233,123.63	1.00	0.00	0.0	0.00	20,812.42	29.4	0.09
1984	23,504,452.35	0.91	405,412.95	1.72	0.00	0.0	0.00	55,481.69	45.8	0.24
1985	23,854,383.61	1.49	2,559,452.01	10.73	0.00	0.0	0.00	83,049.39	32.5	0.35
1986	26,330,786.23	10.38	690,624.31	2.62	0.00	0.0	0.00	31,597.90	30.2	0.12
1987	26,989,812.64	2.50	92,724.96	0.34	0.00	0.0	0.00	166,024.08	28.3	0.62
1988	26,916,513.52	-0.27	395,527.15	1.47	0.00	0.0	0.00	86,731.35	30.9	0.32
1989	27,225,309.32	1.15	1,632,393.89	6.00	0.00	0.0	0.00	36,750.84	23.7	0.13
1990	28,820,952.37	5.86	-4,008,621.10	-13.91	0.00	0.0	0.00	86,172.94	28.0	0.30
1991	24,726,158.33	-14.21	457,853.16	1.85	0.00	0.0	0.00	36,550.92	23.3	0.15
1992	25,147,460.57	1.70	-37,450.63	-0.15	0.00	0.0	0.00	65,958.64	25.2	0.26
1993	25,044,051.30	-0.41	379,770.52	1.52	0.00	0.0	0.00	3,990,151.47	40.5	15.93
1994	21,433,670.35	-14.42	1,419,082.79	6.62	0.00	0.0	0.00	129,588.54	17.1	0.60
1995	22,723,164.60	6.02	3,234,386.22	14.23	0.00	0.0	0.00	75,391.80	38.9	0.33
1996	25,882,159.02	13.90	59,925,719.50	231.53	0.00	0.0	0.00	211,170.15	24.0	0.82

DESC
Electric Division
311.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	73,989.28	48.5	0.32
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	11,609.43	42.5	0.05
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	10,901.46	16.6	0.05
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	16,270.18	34.7	0.08
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,497.34	19.9	0.02
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	39,659.11	52.7	0.19
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	24,327.53	40.7	0.11
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,384.75	23.6	0.02
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	775.73	33.7	0.00
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	20,812.42	29.4	0.09
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	55,481.69	45.8	0.24
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	83,049.39	32.5	0.35
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	31,597.90	30.2	0.12
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	166,024.08	28.3	0.62
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	86,731.35	30.9	0.32
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	36,750.84	23.7	0.13
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	86,172.94	28.0	0.30
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	36,550.92	23.3	0.15
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	65,958.64	25.2	0.26
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,990,151.47	40.5	15.93
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	129,588.54	17.1	0.60
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	75,391.80	38.9	0.33
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	211,170.15	24.0	0.82

DESC
Electric Division
311.00 Structures and Improvements
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1997	85,596,708.37	230.72	1,007,773.93	1.18	0.00	0.0	0.00	206,656.55	29.8	0.24
1998	86,397,825.75	0.94	2,847,279.02	3.30	0.00	0.0	0.00	79,827.31	21.7	0.09
1999	89,165,277.46	3.20	-981,756.99	-1.10	0.00	0.0	0.00	74,233.41	37.2	0.08
2000	88,109,287.06	-1.18	1,301,232.51	1.48	0.00	0.0	0.00	86,722.20	9.3	0.10
2001	89,323,797.37	1.38	2,057,249.68	2.30	0.00	0.0	0.00	852,027.68	6.2	0.95
2002	90,529,019.37	1.35	8,733,233.80	9.65	0.00	0.0	0.00	216,694.67	26.3	0.24
2003	99,045,558.50	9.41	8,864,350.50	8.95	0.00	0.0	0.00	924,239.85	19.6	0.93
2004	106,985,669.15	8.02	14,168,936.44	13.24	0.00	0.0	0.00	290,887.98	7.6	0.27
2005	120,863,717.61	12.97	1,088,880.14	0.90	-10,372.90	0.0	-0.01	144,943.78	8.3	0.12
2006	121,797,281.07	0.77	1,351,979.86	1.11	0.00	0.0	0.00	286,115.30	32.1	0.23
2007	122,863,145.63	0.88	-11,786,781.93	-9.59	4,738.61	-30.6	0.00	399,655.85	7.9	0.33
2008	110,681,446.46	-9.91	-3,073,607.65	-2.78	0.00	0.0	0.00	518,846.55	8.5	0.47
2009	107,088,992.26	-3.25	9,105,054.49	8.50	364,497.98	19.5	0.34	764,156.44	15.9	0.71
2010	115,794,388.29	8.13	72,110,136.14	62.27	0.00	0.0	0.00	191,244.09	11.5	0.17
2011	187,713,280.34	62.11	465,952.48	0.25	0.02	4.5	0.00	113,252.88	20.0	0.06
2012	188,065,979.96	0.19	3,504,353.47	1.86	-2,336,485.13	0.0	-1.24	1,247,014.27	23.5	0.66
2013	187,986,834.03	-0.04	2,067,216.86	1.10	-7,555.77	0.0	0.00	383,866.68	43.0	0.20
2014	189,662,628.44	0.89	14,209,179.96	7.49	0.00	0.0	0.00	161,401.94	18.2	0.09
2015	203,710,406.46	7.41	12,448,156.01	6.11	18,751.22	14.0	0.01	337,919.81	24.5	0.17
2016	215,839,393.88	5.95	777,963.39	0.36	-29,091.13	0.0	-0.01	2,248,268.12	18.0	1.04
2017	214,339,998.02	-0.69	4,443,066.53	2.07	0.00	0.0	0.00	1,463,964.77	10.8	0.68
2018	217,319,099.78	1.39	6,193,939.26	2.85	0.00	0.0	0.00	482,354.21	23.7	0.22

DESC
Electric Division
311.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	206,656.55	29.8	0.24
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	79,827.31	21.7	0.09
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	74,233.41	37.2	0.08
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	86,722.20	9.3	0.10
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	852,027.68	6.2	0.95
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	216,694.67	26.3	0.24
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	924,239.85	19.6	0.93
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	290,887.98	7.6	0.27
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	144,943.78	8.3	0.12
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	286,115.30	32.1	0.23
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	399,655.85	7.9	0.33
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	518,846.55	8.5	0.47
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	764,156.44	15.9	0.71
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	191,244.09	11.5	0.17
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	113,252.88	20.0	0.06
2012	0.00	0.0	0.00	0.00	0.0	0.00	-606,282.00	0.0	-0.32	640,732.27	16.3	0.34
2013	0.00	0.0	0.00	0.00	0.0	0.00	43,538,785.20	0.0	-23.16	-43,154,918.52	0.0	-22.96
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	161,401.94	18.2	0.09
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	337,919.81	24.5	0.17
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,248,268.12	18.0	1.04
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,463,964.77	10.8	0.68
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	482,354.21	23.7	0.22

DESC**Electric Division****311.00 Structures and Improvements****Summary of Service Life Statistics (Report A)**

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
<i>Total</i>			241,785,058.01		-1,995,517.10	0.0		16,758,856.08	24.0	

Surviving Balance as Of 12/31/ 2018 *267,175,752.03*
The Average Age Of These Survivors Is: *17.42 Years*
The Compound Growth Rate Over 93 Years *6.17 %*
Based Upon Correction Transaction Year

DESC
Electric Division
311.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
Total	0.00	0.0		0.00	0.0		-44,145,067.20	0.0		-27,386,211.12	0.0	

DESC
Electric Division
312.00 Boiler Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1925	0.00	0.00	2,705,411.40	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	2,705,411.40	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	2,705,411.40	0.00	641,264.44	23.70	0.00	0.0	0.00	0.00	0.0	0.00
1948	3,346,675.84	23.70	98,568.95	2.95	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
312.00 Boiler Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1925	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
312.00 Boiler Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1949	3,445,244.79	2.95	19,864.30	0.58	0.00	0.0	0.00	8,000.00	2.5	0.23
1950	3,457,109.09	0.34	856,373.39	24.77	0.00	0.0	0.00	0.00	0.0	0.00
1951	4,313,482.48	24.77	137,718.10	3.19	0.00	0.0	0.00	44,622.88	4.5	1.03
1952	4,406,577.70	2.16	1,811,304.30	41.10	0.00	0.0	0.00	0.00	0.0	0.00
1953	6,217,882.00	41.10	22,906.69	0.37	0.00	0.0	0.00	0.00	0.0	0.00
1954	6,240,788.69	0.37	10,336,854.52	165.63	0.00	0.0	0.00	0.00	0.0	0.00
1955	16,577,643.21	165.63	5,703,240.92	34.40	0.00	0.0	0.00	655.43	3.5	0.00
1956	22,280,228.70	34.40	70,664.34	0.32	0.00	0.0	0.00	0.00	0.0	0.00
1957	22,350,893.04	0.32	633.27	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	22,351,526.31	0.00	14,893,580.22	66.63	0.00	0.0	0.00	1,342.67	4.5	0.01
1959	37,243,763.86	66.63	227,320.07	0.61	0.00	0.0	0.00	0.00	0.0	0.00
1960	37,471,083.93	0.61	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	37,471,083.93	0.00	27,205.83	0.07	0.00	0.0	0.00	0.00	0.0	0.00
1962	37,498,289.76	0.07	-1,218,258.40	-3.25	0.00	0.0	0.00	0.00	0.0	0.00
1963	36,280,031.36	-3.25	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	36,280,031.36	0.00	-2,224,141.48	-6.13	0.00	0.0	0.00	0.00	0.0	0.00
1965	34,055,889.88	-6.13	-36,974.63	-0.11	0.00	0.0	0.00	0.00	0.0	0.00
1966	34,018,915.25	-0.11	11,987.74	0.04	0.00	0.0	0.00	0.00	0.0	0.00
1967	34,030,902.99	0.04	7,266,657.53	21.35	0.00	0.0	0.00	0.00	0.0	0.00
1968	41,297,560.52	21.35	7,674.19	0.02	0.00	0.0	0.00	2,227.50	6.5	0.01
1969	41,303,007.21	0.01	1,030,143.12	2.49	0.00	0.0	0.00	418,832.98	11.1	1.01
1970	41,914,317.35	1.48	27,916,764.65	66.60	0.00	0.0	0.00	238,657.25	10.5	0.57
1971	69,592,424.75	66.03	22,708,845.81	32.63	0.00	0.0	0.00	150,344.54	12.7	0.22
1972	92,150,926.02	32.42	828,785.06	0.90	0.00	0.0	0.00	246,471.89	10.9	0.27

DESC
Electric Division
312.00 Boiler Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1949	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,000.00	2.5	0.23
1950	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1951	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	44,622.88	4.5	1.03
1952	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	655.43	3.5	0.00
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,342.67	4.5	0.01
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,227.50	6.5	0.01
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	418,832.98	11.1	1.01
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	238,657.25	10.5	0.57
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	150,344.54	12.7	0.22
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	246,471.89	10.9	0.27

DESC
Electric Division
312.00 Boiler Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1973	92,733,239.19	0.63	1,193,379.08	1.29	0.00	0.0	0.00	1,313,414.37	48.5	1.42
1974	92,613,203.90	-0.13	61,598.71	0.07	0.00	0.0	0.00	373,217.27	6.3	0.40
1975	92,301,585.34	-0.34	-184,634.18	-0.20	0.00	0.0	0.00	299,318.13	13.9	0.32
1976	91,817,633.03	-0.52	740,313.91	0.81	0.00	0.0	0.00	306,056.63	12.8	0.33
1977	92,251,890.31	0.47	-98,004.59	-0.11	0.00	0.0	0.00	238,555.45	11.1	0.26
1978	91,915,330.27	-0.36	263,060.05	0.29	0.00	0.0	0.00	12,650.09	15.2	0.01
1979	92,165,740.23	0.27	-161,343.23	-0.18	0.00	0.0	0.00	1,278,868.29	32.9	1.39
1980	90,725,528.71	-1.56	1,093,553.26	1.21	0.00	0.0	0.00	189,307.37	22.1	0.21
1981	91,629,774.60	1.00	962,475.85	1.05	0.00	0.0	0.00	437,374.27	15.8	0.48
1982	92,154,876.18	0.57	5,009,029.11	5.44	0.00	0.0	0.00	1,992,588.58	12.6	2.16
1983	95,171,316.71	3.27	4,496,779.27	4.72	0.00	0.0	0.00	803,289.83	18.5	0.84
1984	98,864,806.15	3.88	123,609.66	0.13	0.00	0.0	0.00	1,100,894.92	15.1	1.11
1985	97,887,520.89	-0.99	988,485.25	1.01	0.00	0.0	0.00	544,595.90	22.6	0.56
1986	98,331,410.24	0.45	807,317.20	0.82	0.00	0.0	0.00	1,588,139.98	16.7	1.62
1987	97,550,587.46	-0.79	12,389,631.52	12.70	0.00	0.0	0.00	1,982,320.96	9.8	2.03
1988	107,957,898.02	10.67	76,427.74	0.07	0.00	0.0	0.00	3,636,529.00	20.1	3.37
1989	104,397,796.76	-3.30	5,176,332.74	4.96	0.00	0.0	0.00	387,121.19	29.0	0.37
1990	109,187,008.31	4.59	14,786,120.94	13.54	0.00	0.0	0.00	2,431,015.95	26.8	2.23
1991	121,542,113.30	11.32	2,817,886.67	2.32	0.00	0.0	0.00	893,833.98	26.9	0.74
1992	123,466,165.99	1.58	14,288,597.06	11.57	0.00	0.0	0.00	3,608,616.82	16.5	2.92
1993	134,146,146.23	8.65	35,113,838.75	26.18	0.00	0.0	0.00	12,311,950.41	31.1	9.18
1994	156,948,034.57	17.00	668,559.25	0.43	0.00	0.0	0.00	3,824,085.03	18.2	2.44
1995	153,792,508.79	-2.01	5,397,933.86	3.51	0.00	0.0	0.00	391,935.27	27.8	0.25
1996	158,798,507.38	3.26	257,678,722.77	162.27	0.00	0.0	0.00	780,255.58	21.6	0.49

DESC
Electric Division
312.00 Boiler Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,313,414.37	48.5	1.42
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	373,217.27	6.3	0.40
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	299,318.13	13.9	0.32
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	306,056.63	12.8	0.33
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	238,555.45	11.1	0.26
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	12,650.09	15.2	0.01
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,278,868.29	32.9	1.39
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	189,307.37	22.1	0.21
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	437,374.27	15.8	0.48
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,992,588.58	12.6	2.16
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	803,289.83	18.5	0.84
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,100,894.92	15.1	1.11
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	544,595.90	22.6	0.56
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,588,139.98	16.7	1.62
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,982,320.96	9.8	2.03
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,636,529.00	20.1	3.37
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	387,121.19	29.0	0.37
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,431,015.95	26.8	2.23
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	893,833.98	26.9	0.74
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,608,616.82	16.5	2.92
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	12,311,950.41	31.1	9.18
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,824,085.03	18.2	2.44
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	391,935.27	27.8	0.25
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	780,255.58	21.6	0.49

DESC
Electric Division
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Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1997	415,696,974.57	161.78	10,038,970.47	2.41	0.00	0.0	0.00	4,181,477.85	19.1	1.01
1998	421,554,467.19	1.41	4,315,698.72	1.02	0.00	0.0	0.00	5,771,975.73	20.7	1.37
1999	420,098,190.18	-0.35	34,638,125.79	8.25	0.00	0.0	0.00	4,197,841.69	25.1	1.00
2000	450,538,474.28	7.25	-13,297,730.30	-2.95	0.00	0.0	0.00	8,496,462.68	31.3	1.89
2001	428,744,281.30	-4.84	30,759,511.44	7.17	0.00	0.0	0.00	14,784,234.63	6.9	3.45
2002	444,719,558.11	3.73	55,966,433.96	12.58	0.00	0.0	0.00	25,529,083.59	26.1	5.74
2003	475,156,908.48	6.84	57,966,077.37	12.20	0.00	0.0	0.00	5,059,774.62	26.5	1.06
2004	528,063,211.23	11.13	48,796,911.08	9.24	0.00	0.0	0.00	13,930,200.33	15.3	2.64
2005	562,929,921.98	6.60	11,539,524.53	2.05	0.00	0.0	0.00	3,306,212.16	11.3	0.59
2006	571,163,234.35	1.46	-5,063,195.63	-0.89	42,333.47	9.3	0.01	11,222,215.45	11.3	1.96
2007	554,920,156.74	-2.84	22,106,072.20	3.98	0.00	0.0	0.00	6,856,888.05	13.8	1.24
2008	570,169,340.89	2.75	58,757,342.31	10.31	0.00	0.0	0.00	13,193,218.02	15.2	2.31
2009	615,733,465.18	7.99	13,300,856.10	2.16	0.00	0.0	0.00	12,334,429.24	15.0	2.00
2010	616,699,892.04	0.16	198,916,572.35	32.26	0.00	0.0	0.00	8,444,768.60	13.8	1.37
2011	807,171,695.79	30.89	9,885,328.86	1.22	-0.10	0.0	0.00	10,294,395.08	14.7	1.28
2012	806,762,629.47	-0.05	54,592,942.22	6.77	-24,494,160.97	0.0	-3.04	14,161,209.12	19.1	1.76
2013	822,700,201.60	1.98	31,856,165.52	3.87	58,344.77	8.3	0.01	9,121,334.30	16.5	1.11
2014	845,493,377.59	2.77	8,113,146.59	0.96	-66,294.52	0.0	-0.01	11,807,241.92	15.0	1.40
2015	841,732,987.74	-0.44	25,626,607.92	3.04	0.00	0.0	0.00	5,595,195.74	25.8	0.66
2016	861,764,399.92	2.38	16,646,819.55	1.93	-485,484.99	0.0	-0.06	15,991,633.79	13.5	1.86
2017	861,934,100.69	0.02	20,307,433.41	2.36	0.00	0.0	0.00	5,788,031.31	15.5	0.67
2018	876,453,502.79	1.68	48,055,319.04	5.48	0.00	0.0	0.00	6,432,711.89	18.5	0.73

DESC
Electric Division
312.00 Boiler Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,181,477.85	19.1	1.01
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	5,771,975.73	20.7	1.37
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,197,841.69	25.1	1.00
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,496,462.68	31.3	1.89
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	14,784,234.63	6.9	3.45
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	25,529,083.59	26.1	5.74
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	5,059,774.62	26.5	1.06
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	13,930,200.33	15.3	2.64
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,306,212.16	11.3	0.59
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	11,222,215.45	11.3	1.96
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	6,856,888.05	13.8	1.24
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	13,193,218.02	15.2	2.31
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	12,334,429.24	15.0	2.00
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,444,768.60	13.8	1.37
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	10,294,395.08	14.7	1.28
2012	0.00	0.0	0.00	0.00	0.0	0.00	40,962,284.09	0.0	-5.08	-26,801,074.97	0.0	-3.32
2013	0.00	0.0	0.00	0.00	0.0	0.00	21,311,875.19	0.0	-14.75	-112,190,540.89	0.0	-13.64
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	11,807,241.92	15.0	1.40
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	5,595,195.74	25.8	0.66
2016	0.00	0.0	0.00	0.00	0.0	0.00	24,052,077.12	0.0	-2.79	-8,060,443.33	0.0	-0.94
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	5,788,031.31	15.5	0.67
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	6,432,711.89	18.5	0.73

DESC**Electric Division****312.00 Boiler Plant Equipment****Summary of Service Life Statistics (Report A)**

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
<i>Total</i>			1,201,358,998.48		-24,945,262.34	0.0		258,337,626.20	18.3	

Surviving Balance as Of 12/31/ 2018 **1,104,402,346.34**

The Average Age Of These Survivors Is: **15.19 Years**

The Compound Growth Rate Over 93 Years **6.68 %**

Based Upon Correction Transaction Year

DESC
Electric Division
312.00 Boiler Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
Total	0.00	0.0		0.00	0.0		-186,326,236.40	0.0		72,011,389.80	25.9	

DESC
Electric Division
314.00 Turbogenerator Units
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1925	0.00	0.00	1,571,402.33	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	1,571,402.33	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	1,571,402.33	0.00	734,128.26	46.72	0.00	0.0	0.00	0.00	0.0	0.00
1948	2,305,530.59	46.72	41,602.71	1.80	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
314.00 Turbogenerator Units
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1925	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
314.00 Turbogenerator Units
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1949	2,347,133.30	1.80	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	2,347,133.30	0.00	983,281.09	41.89	0.00	0.0	0.00	0.00	0.0	0.00
1951	3,330,414.39	41.89	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	3,330,414.39	0.00	1,678,943.23	50.41	0.00	0.0	0.00	0.00	0.0	0.00
1953	5,009,357.62	50.41	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	5,009,357.62	0.00	6,335,076.96	126.46	0.00	0.0	0.00	0.00	0.0	0.00
1955	11,344,434.58	126.46	4,197,907.36	37.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	15,542,341.94	37.00	42,426.32	0.27	0.00	0.0	0.00	0.00	0.0	0.00
1957	15,584,768.26	0.27	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	15,584,768.26	0.00	7,747,352.48	49.71	0.00	0.0	0.00	0.00	0.0	0.00
1959	23,332,120.74	49.71	6,116.85	0.03	0.00	0.0	0.00	0.00	0.0	0.00
1960	23,338,237.59	0.03	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	23,338,237.59	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	23,338,237.59	0.00	-3,316,109.87	-14.21	0.00	0.0	0.00	0.00	0.0	0.00
1963	20,022,127.72	-14.21	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	20,022,127.72	0.00	-1,855,154.82	-9.27	0.00	0.0	0.00	0.00	0.0	0.00
1965	18,166,972.90	-9.27	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	18,166,972.90	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	18,166,972.90	0.00	1,891,917.85	10.41	0.00	0.0	0.00	0.00	0.0	0.00
1968	20,058,890.75	10.41	-6,413.32	-0.03	0.00	0.0	0.00	0.00	0.0	0.00
1969	20,052,477.43	-0.03	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	20,052,477.43	0.00	13,663,440.41	68.14	0.00	0.0	0.00	0.00	0.0	0.00
1971	33,715,917.84	68.14	14,088,077.54	41.78	0.00	0.0	0.00	0.00	0.0	0.00
1972	47,803,995.38	41.78	-107,729.14	-0.23	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
314.00 Turbogenerator Units
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1949	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1951	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
314.00 Turbogenerator Units
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1973	47,696,266.24	-0.23	-1,069,419.00	-2.24	0.00	0.0	0.00	0.00	0.0	0.00
1974	46,626,847.24	-2.24	11,420.85	0.02	0.00	0.0	0.00	11,278.39	49.5	0.02
1975	46,626,989.70	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	46,626,989.70	0.00	-817,656.79	-1.75	0.00	0.0	0.00	663,040.59	9.5	1.42
1977	45,146,292.32	-3.18	0.00	0.00	0.00	0.0	0.00	225,904.92	7.8	0.50
1978	44,920,387.40	-0.50	638,259.21	1.42	0.00	0.0	0.00	167,037.55	32.3	0.37
1979	45,391,609.06	1.05	-711,082.13	-1.57	0.00	0.0	0.00	433,714.97	13.5	0.96
1980	44,246,811.96	-2.52	1,369,814.99	3.10	0.00	0.0	0.00	1,043,599.20	9.5	2.36
1981	44,573,027.75	0.74	1,411.95	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1982	44,574,439.70	0.00	156,141.02	0.35	0.00	0.0	0.00	16,078.66	13.9	0.04
1983	44,714,502.06	0.31	69,467.05	0.16	0.00	0.0	0.00	0.00	0.0	0.00
1984	44,783,969.11	0.16	1,060,651.46	2.37	0.00	0.0	0.00	3,194.80	29.5	0.01
1985	45,841,425.77	2.36	4,755,248.96	10.37	0.00	0.0	0.00	970,254.76	19.4	2.12
1986	49,626,419.97	8.26	796,599.86	1.61	0.00	0.0	0.00	1,358,475.30	30.6	2.74
1987	49,064,544.53	-1.13	5,220,835.76	10.64	0.00	0.0	0.00	97,247.99	32.0	0.20
1988	54,188,132.30	10.44	546,321.05	1.01	0.00	0.0	0.00	1,473,344.73	30.8	2.72
1989	53,261,108.62	-1.71	69,495.24	0.13	0.00	0.0	0.00	8,980.09	31.5	0.02
1990	53,321,623.77	0.11	5,724,527.96	10.74	0.00	0.0	0.00	531,809.06	19.3	1.00
1991	58,514,342.67	9.74	1,690,503.46	2.89	0.00	0.0	0.00	1,070,168.66	34.3	1.83
1992	59,134,677.47	1.06	-4,145,590.17	-7.01	0.00	0.0	0.00	2,411,277.11	20.0	4.08
1993	52,577,810.19	-11.09	-1,295,188.93	-2.46	0.00	0.0	0.00	6,045,333.24	43.9	11.50
1994	45,237,288.02	-13.96	2,387,327.03	5.28	0.00	0.0	0.00	1,103,382.90	27.3	2.44
1995	46,521,232.15	2.84	8,521,936.31	18.32	0.00	0.0	0.00	517,744.68	23.7	1.11
1996	54,525,423.78	17.21	83,550,766.60	153.23	0.00	0.0	0.00	2,197,118.49	28.1	4.03

DESC
Electric Division
314.00 Turbogenerator Units
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	11,278.39	49.5	0.02
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	663,040.59	9.5	1.42
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	225,904.92	7.8	0.50
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	167,037.55	32.3	0.37
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	433,714.97	13.5	0.96
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,043,599.20	9.5	2.36
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	16,078.66	13.9	0.04
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,194.80	29.5	0.01
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	970,254.76	19.4	2.12
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,358,475.30	30.6	2.74
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	97,247.99	32.0	0.20
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,473,344.73	30.8	2.72
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,980.09	31.5	0.02
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	531,809.06	19.3	1.00
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,070,168.66	34.3	1.83
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,411,277.11	20.0	4.08
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	6,045,333.24	43.9	11.50
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,103,382.90	27.3	2.44
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	517,744.68	23.7	1.11
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,197,118.49	28.1	4.03

DESC
Electric Division
314.00 Turbogenerator Units
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1997	135,879,071.89	149.20	1,430,255.52	1.05	0.00	0.0	0.00	702,357.34	21.5	0.52
1998	136,606,970.07	0.54	1,980,476.93	1.45	0.00	0.0	0.00	391,580.67	13.9	0.29
1999	138,195,866.33	1.16	4,349,850.42	3.15	0.00	0.0	0.00	528,797.76	34.5	0.38
2000	142,016,918.99	2.76	-2,877,240.30	-2.03	0.00	0.0	0.00	673,860.81	16.8	0.47
2001	138,465,817.88	-2.50	756.10	0.00	0.00	0.0	0.00	1,867,135.99	13.5	1.35
2002	136,599,437.99	-1.35	15,088,933.41	11.05	0.00	0.0	0.00	1,901,252.36	30.6	1.39
2003	149,787,119.04	9.65	4,825,566.39	3.22	0.00	0.0	0.00	428,769.02	14.8	0.29
2004	154,183,916.41	2.94	113,832,678.17	73.83	0.00	0.0	0.00	5,491,416.14	35.8	3.56
2005	262,525,178.44	70.27	3,007,474.01	1.15	0.00	0.0	0.00	2,448,123.94	32.9	0.93
2006	263,084,528.51	0.21	12,210.45	0.00	0.00	0.0	0.00	621,986.28	23.8	0.24
2007	262,474,752.68	-0.23	89,005,212.70	33.91	-5,960,246.03	0.0	-2.27	4,267,879.59	31.2	1.63
2008	341,251,839.76	30.01	4,195,640.08	1.23	-42,267.96	0.0	-0.01	1,835,758.51	29.1	0.54
2009	343,569,453.37	0.68	5,362,421.39	1.56	0.00	0.0	0.00	3,200,802.88	34.1	0.93
2010	345,731,071.88	0.63	920,014.51	0.27	0.00	0.0	0.00	3,780,911.33	20.3	1.09
2011	342,870,175.06	-0.83	9,263,149.18	2.70	-5,330,269.88	0.0	-1.55	7,318,993.96	14.2	2.13
2012	339,484,060.40	-0.99	16,903,212.36	4.98	-10,426,730.84	0.0	-3.07	4,316,456.77	11.7	1.27
2013	341,644,085.15	0.64	4,311,773.03	1.26	-87,715.53	0.0	-0.03	2,089,612.03	20.7	0.61
2014	343,778,530.62	0.62	4,139,014.92	1.20	-341,796.75	0.0	-0.10	1,870,765.82	16.7	0.54
2015	345,704,982.97	0.56	9,752,546.37	2.82	0.00	0.0	0.00	3,846,229.58	12.2	1.11
2016	351,611,299.76	1.71	9,419,416.60	2.68	382,988.31	8.3	0.11	2,211,240.59	16.4	0.63
2017	359,202,464.08	2.16	1,953,249.69	0.54	0.00	0.0	0.00	8,720,691.57	24.4	2.43
2018	352,435,022.20	-1.88	79,486,943.23	22.55	0.00	0.0	0.00	3,096,470.99	20.2	0.88

DESC
Electric Division
314.00 Turbogenerator Units
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	702,357.34	21.5	0.52
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	391,580.67	13.9	0.29
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	528,797.76	34.5	0.38
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	673,860.81	16.8	0.47
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,867,135.99	13.5	1.35
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,901,252.36	30.6	1.39
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	428,769.02	14.8	0.29
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	5,491,416.14	35.8	3.56
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,448,123.94	32.9	0.93
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	621,986.28	23.8	0.24
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,267,879.59	31.2	1.63
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,835,758.51	29.1	0.54
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,200,802.88	34.1	0.93
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,780,911.33	20.3	1.09
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	7,318,993.96	14.2	2.13
2012	0.00	0.0	0.00	0.00	0.0	0.00	10,005,838.36	0.0	-2.95	-5,689,381.59	0.0	-1.68
2013	0.00	0.0	0.00	0.00	0.0	0.00	59,150,959.51	0.0	-17.31	-57,061,347.48	0.0	-16.70
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,870,765.82	16.7	0.54
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,846,229.58	12.2	1.11
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,211,240.59	16.4	0.63
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,720,691.57	24.4	2.43
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,096,470.99	20.2	0.88

DESC
Electric Division
314.00 Turbogenerator Units
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
Total			532,591,613.14		-21,806,038.68	0.0		81,960,080.02	24.4	

Surviving Balance as Of 12/31/ 2018 **497,982,292.31**
The Average Age Of These Survivors Is: **14.75 Years**
The Compound Growth Rate Over 93 Years **6.39 %**
Based Upon Correction Transaction Year

DESC
Electric Division
314.00 Turbogenerator Units
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
<i>Total</i>	0.00	0.0		0.00	0.0		-69,156,797.87	0.0		12,803,282.15	45.8	

DESC
Electric Division
315.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1925	0.00	0.00	206,223.68	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	206,223.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	206,223.68	0.00	224,764.63	108.99	0.00	0.0	0.00	0.00	0.0	0.00
1948	430,988.31	108.99	4,188.19	0.97	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
315.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1925	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
315.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1949	435,176.50	0.97	0.00	0.00	0.00	0.0	0.00	300.00	2.5	0.07
1950	434,876.50	-0.07	221,677.64	50.97	0.00	0.0	0.00	0.00	0.0	0.00
1951	656,554.14	50.97	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	656,554.14	0.00	338,825.82	51.61	0.00	0.0	0.00	0.00	0.0	0.00
1953	995,379.96	51.61	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	995,379.96	0.00	2,119,787.11	212.96	0.00	0.0	0.00	0.00	0.0	0.00
1955	3,115,167.07	212.96	1,064,664.12	34.18	0.00	0.0	0.00	0.00	0.0	0.00
1956	4,179,831.19	34.18	4,701.35	0.11	0.00	0.0	0.00	0.00	0.0	0.00
1957	4,184,532.54	0.11	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	4,184,532.54	0.00	1,806,365.32	43.17	0.00	0.0	0.00	0.00	0.0	0.00
1959	5,990,897.86	43.17	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	5,990,897.86	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	5,990,897.86	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	5,990,897.86	0.00	-193,184.62	-3.22	0.00	0.0	0.00	0.00	0.0	0.00
1963	5,797,713.24	-3.22	2,966.28	0.05	0.00	0.0	0.00	1,645.66	16.5	0.03
1964	5,799,033.86	0.02	-577,204.85	-9.95	0.00	0.0	0.00	0.00	0.0	0.00
1965	5,221,829.01	-9.95	-3,094.20	-0.06	0.00	0.0	0.00	28,835.90	1.5	0.55
1966	5,189,898.91	-0.61	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	5,189,898.91	0.00	-1,852,939.16	-35.70	0.00	0.0	0.00	0.00	0.0	0.00
1968	3,336,959.75	-35.70	-84,493.91	-2.53	0.00	0.0	0.00	12,351.71	10.5	0.37
1969	3,240,114.13	-2.90	365.95	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1970	3,240,480.08	0.01	5,574,310.52	172.02	0.00	0.0	0.00	0.00	0.0	0.00
1971	8,814,790.60	172.02	4,024,275.26	45.65	0.00	0.0	0.00	0.00	0.0	0.00
1972	12,839,065.86	45.65	120,904.37	0.94	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
315.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1949	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	300.00	2.5	0.07
1950	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1951	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,645.66	16.5	0.03
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	28,835.90	1.5	0.55
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	12,351.71	10.5	0.37
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
315.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1973	12,959,970.23	0.94	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	12,959,970.23	0.00	0.00	0.00	0.00	0.0	0.00	85,184.84	4.5	0.66
1975	12,874,785.39	-0.66	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	12,874,785.39	0.00	17,525.05	0.14	0.00	0.0	0.00	0.00	0.0	0.00
1977	12,892,310.44	0.14	3,837.28	0.03	0.00	0.0	0.00	14,216.96	7.5	0.11
1978	12,881,930.76	-0.08	2,457.94	0.02	0.00	0.0	0.00	0.00	0.0	0.00
1979	12,884,388.70	0.02	13,448.87	0.10	0.00	0.0	0.00	12,564.00	23.5	0.10
1980	12,885,273.57	0.01	423.53	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	12,885,697.10	0.00	30,219.85	0.23	0.00	0.0	0.00	1,856.81	26.5	0.01
1982	12,914,060.14	0.22	88,131.63	0.68	0.00	0.0	0.00	21,610.58	27.5	0.17
1983	12,980,581.19	0.52	-17,913.47	-0.14	0.00	0.0	0.00	0.00	0.0	0.00
1984	12,962,667.72	-0.14	-30,319.82	-0.23	0.00	0.0	0.00	8,709.40	17.2	0.07
1985	12,923,638.50	-0.30	8,479.82	0.07	0.00	0.0	0.00	4,372.11	23.5	0.03
1986	12,927,746.21	0.03	409,486.23	3.17	0.00	0.0	0.00	44,426.26	18.7	0.34
1987	13,292,806.18	2.82	247,929.26	1.87	0.00	0.0	0.00	43,391.80	32.1	0.33
1988	13,497,343.64	1.54	891,182.28	6.60	0.00	0.0	0.00	256,319.68	23.2	1.90
1989	14,132,206.24	4.70	-876,041.05	-6.20	0.00	0.0	0.00	1,173,709.18	27.1	8.31
1990	12,082,456.01	-14.50	706,073.86	5.84	0.00	0.0	0.00	595,887.67	32.5	4.93
1991	12,192,642.20	0.91	121,428.99	1.00	0.00	0.0	0.00	51,602.19	35.3	0.42
1992	12,262,469.00	0.57	-1,227,700.53	-10.01	0.00	0.0	0.00	91,289.29	28.1	0.74
1993	10,943,479.18	-10.76	969,849.92	8.86	0.00	0.0	0.00	1,136,692.97	45.7	10.39
1994	10,776,636.13	-1.52	181,133.25	1.68	0.00	0.0	0.00	78,726.65	36.8	0.73
1995	10,879,042.73	0.95	14,898.14	0.14	0.00	0.0	0.00	3,176.44	37.5	0.03
1996	10,890,764.43	0.11	22,567,073.11	207.21	0.00	0.0	0.00	42,880.00	12.7	0.39

DESC
Electric Division
315.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	85,184.84	4.5	0.66
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	14,216.96	7.5	0.11
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	12,564.00	23.5	0.10
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,856.81	26.5	0.01
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	21,610.58	27.5	0.17
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,709.40	17.2	0.07
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,372.11	23.5	0.03
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	44,426.26	18.7	0.34
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	43,391.80	32.1	0.33
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	256,319.68	23.2	1.90
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,173,709.18	27.1	8.31
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	595,887.67	32.5	4.93
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	51,602.19	35.3	0.42
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	91,289.29	28.1	0.74
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,136,692.97	45.7	10.39
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	78,726.65	36.8	0.73
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,176.44	37.5	0.03
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	42,880.00	12.7	0.39

DESC
Electric Division
315.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1997	33,414,957.54	206.82	1,015,417.82	3.04	0.00	0.0	0.00	92,491.04	20.9	0.28
1998	34,337,884.32	2.76	100,123.20	0.29	0.00	0.0	0.00	0.00	0.0	0.00
1999	34,438,007.52	0.29	-458,813.14	-1.33	0.00	0.0	0.00	93,847.07	44.5	0.27
2000	33,885,347.31	-1.60	1,207,965.65	3.56	0.00	0.0	0.00	48,362.11	4.5	0.14
2001	35,044,950.85	3.42	-157,324.46	-0.45	0.00	0.0	0.00	37,155.58	0.5	0.11
2002	34,850,470.81	-0.55	2,347,469.61	6.74	0.00	0.0	0.00	122,383.44	48.4	0.35
2003	37,075,556.98	6.38	197,394.26	0.53	0.00	0.0	0.00	303,855.13	32.7	0.82
2004	36,969,096.11	-0.29	3,972,524.48	10.75	0.00	0.0	0.00	30,499.91	29.6	0.08
2005	40,911,120.68	10.66	1,308,884.29	3.20	0.00	0.0	0.00	120,961.72	34.3	0.30
2006	42,099,043.25	2.90	124,474.31	0.30	0.00	0.0	0.00	33,260.75	34.5	0.08
2007	42,190,256.81	0.22	338,449.22	0.80	0.00	0.0	0.00	133,241.19	28.7	0.32
2008	42,395,464.84	0.49	-472,503.84	-1.11	0.00	0.0	0.00	106,158.30	41.8	0.25
2009	41,816,802.70	-1.36	1,047,032.02	2.50	0.00	0.0	0.00	164,427.89	18.8	0.39
2010	42,699,406.83	2.11	6,175,214.49	14.46	0.00	0.0	0.00	286,659.54	28.8	0.67
2011	48,587,961.78	13.79	232,883.49	0.48	0.00	0.0	0.00	266,585.40	14.0	0.55
2012	48,554,259.87	-0.07	128,057.25	0.26	-1,369,942.27	0.0	-2.82	374,262.22	39.6	0.77
2013	46,938,112.63	-3.33	4,474,215.17	9.53	-278,847.74	0.0	-0.59	935,181.78	29.1	1.99
2014	50,198,298.28	6.95	14,115,616.15	28.12	0.00	0.0	0.00	202,505.10	17.9	0.40
2015	64,111,409.33	27.72	4,986,038.16	7.78	0.00	0.0	0.00	785,044.83	26.4	1.22
2016	68,312,402.66	6.55	3,085,632.59	4.52	0.00	0.0	0.00	990,682.66	20.8	1.45
2017	70,407,352.59	3.07	1,157,926.88	1.64	0.00	0.0	0.00	238,746.65	25.3	0.34
2018	71,326,532.82	1.31	7,983,362.61	11.19	0.00	0.0	0.00	1,359,037.36	23.0	1.91

DESC
Electric Division
315.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	92,491.04	20.9	0.28
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	93,847.07	44.5	0.27
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	48,362.11	4.5	0.14
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	37,155.58	0.5	0.11
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	122,383.44	48.4	0.35
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	303,855.13	32.7	0.82
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	30,499.91	29.6	0.08
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	120,961.72	34.3	0.30
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	33,260.75	34.5	0.08
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	133,241.19	28.7	0.32
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	106,158.30	41.8	0.25
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	164,427.89	18.8	0.39
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	286,659.54	28.8	0.67
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	266,585.40	14.0	0.55
2012	0.00	0.0	0.00	0.00	0.0	0.00	-281,014.68	0.0	-0.58	93,247.54	56.0	0.19
2013	0.00	0.0	0.00	0.00	0.0	0.00	15,557,198.74	0.0	-33.14	-14,622,016.96	0.0	-31.15
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	202,505.10	17.9	0.40
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	785,044.83	26.4	1.22
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	990,682.66	20.8	1.45
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	238,746.65	25.3	0.34
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,359,037.36	23.0	1.91

DESC
Electric Division
315.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
<i>Total</i>			90,034,747.85		-1,648,790.01	0.0	10,435,099.77	28.5	

Surviving Balance as Of 12/31/ 2018 **93,789,071.49**
The Average Age Of These Survivors Is: **16.91 Years**
The Compound Growth Rate Over 93 Years **6.80 %**
Based Upon Correction Transaction Year



DESC
Electric Division
315.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
<i>Total</i>	0.00	0.0		0.00	0.0		-15,838,213.42	0.0		-5,403,113.65	0.0	

DESC
Electric Division
316.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1925	0.00	0.00	79,784.90	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	79,784.90	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	79,784.90	0.00	1,602.09	2.01	0.00	0.0	0.00	0.00	0.0	0.00
1928	81,386.99	2.01	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	81,386.99	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	81,386.99	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	81,386.99	0.00	43.99	0.05	0.00	0.0	0.00	0.00	0.0	0.00
1932	81,430.98	0.05	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	81,430.98	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	81,430.98	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	81,430.98	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	81,430.98	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	81,430.98	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	81,430.98	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	81,430.98	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	81,430.98	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	81,430.98	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	81,430.98	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	81,430.98	0.00	100.00	0.12	0.00	0.0	0.00	0.00	0.0	0.00
1944	81,530.98	0.12	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	81,530.98	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	81,530.98	0.00	58.44	0.07	0.00	0.0	0.00	0.00	0.0	0.00
1947	81,589.42	0.07	25,229.34	30.92	0.00	0.0	0.00	0.00	0.0	0.00
1948	106,818.76	30.92	10,142.65	9.50	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
316.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1925	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
316.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1949	116,961.41	9.50	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	116,961.41	0.00	10,856.12	9.28	0.00	0.0	0.00	0.00	0.0	0.00
1951	127,817.53	9.28	64.60	0.05	0.00	0.0	0.00	0.00	0.0	0.00
1952	127,882.13	0.05	41,169.67	32.19	0.00	0.0	0.00	1,281.07	5.5	1.00
1953	167,770.73	31.19	414.41	0.25	0.00	0.0	0.00	0.00	0.0	0.00
1954	168,185.14	0.25	441,516.11	262.52	0.00	0.0	0.00	0.00	0.0	0.00
1955	609,701.25	262.52	58,697.55	9.63	0.00	0.0	0.00	0.00	0.0	0.00
1956	668,398.80	9.63	2,140.97	0.32	0.00	0.0	0.00	0.00	0.0	0.00
1957	670,539.77	0.32	683.59	0.10	0.00	0.0	0.00	0.00	0.0	0.00
1958	671,223.36	0.10	443,715.71	66.11	0.00	0.0	0.00	0.00	0.0	0.00
1959	1,114,939.07	66.11	4,183.69	0.38	0.00	0.0	0.00	327.20	11.8	0.03
1960	1,118,795.56	0.35	2,980.08	0.27	0.00	0.0	0.00	0.00	0.0	0.00
1961	1,121,775.64	0.27	19,152.67	1.71	0.00	0.0	0.00	0.00	0.0	0.00
1962	1,140,928.31	1.71	15,315.43	1.34	0.00	0.0	0.00	0.00	0.0	0.00
1963	1,156,243.74	1.34	3,870.82	0.33	0.00	0.0	0.00	0.00	0.0	0.00
1964	1,160,114.56	0.33	-41,030.36	-3.54	0.00	0.0	0.00	0.00	0.0	0.00
1965	1,119,084.20	-3.54	7,659.43	0.68	0.00	0.0	0.00	6,128.92	7.5	0.55
1966	1,120,614.71	0.14	2,107.43	0.19	0.00	0.0	0.00	427.50	19.5	0.04
1967	1,122,294.64	0.15	-102,464.88	-9.13	0.00	0.0	0.00	838.75	9.5	0.07
1968	1,018,991.01	-9.20	26,015.88	2.55	0.00	0.0	0.00	5,165.12	12.4	0.51
1969	1,039,841.77	2.05	17,230.85	1.66	0.00	0.0	0.00	6,774.54	11.9	0.65
1970	1,050,298.08	1.01	679,630.94	64.71	0.00	0.0	0.00	2,204.59	12.2	0.21
1971	1,727,724.43	64.50	381,028.17	22.05	0.00	0.0	0.00	1,133.50	13.3	0.07
1972	2,107,619.10	21.99	20,253.77	0.96	0.00	0.0	0.00	3,687.27	13.4	0.17

DESC
Electric Division
316.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1949	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1951	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,281.07	5.5	1.00
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	327.20	11.8	0.03
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	6,128.92	7.5	0.55
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	427.50	19.5	0.04
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	838.75	9.5	0.07
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	5,165.12	12.4	0.51
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	6,774.54	11.9	0.65
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,204.59	12.2	0.21
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,133.50	13.3	0.07
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,687.27	13.4	0.17

DESC
Electric Division
316.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1973	2,124,185.60	0.79	12,645.39	0.60	0.00	0.0	0.00	823.40	31.3	0.04
1974	2,136,007.59	0.56	6,496.61	0.30	0.00	0.0	0.00	204.84	49.5	0.01
1975	2,142,299.36	0.29	21,614.60	1.01	0.00	0.0	0.00	4,026.27	12.9	0.19
1976	2,159,887.69	0.82	14,404.38	0.67	0.00	0.0	0.00	7,641.44	14.6	0.35
1977	2,166,650.63	0.31	92,870.75	4.29	0.00	0.0	0.00	7,916.58	20.9	0.37
1978	2,251,604.80	3.92	43,848.56	1.95	0.00	0.0	0.00	10,810.75	18.1	0.48
1979	2,284,642.61	1.47	67,896.35	2.97	0.00	0.0	0.00	32,062.45	15.8	1.40
1980	2,320,476.51	1.57	84,129.38	3.63	0.00	0.0	0.00	7,198.44	26.5	0.31
1981	2,397,407.45	3.32	59,806.24	2.49	0.00	0.0	0.00	31,743.85	22.4	1.32
1982	2,425,469.84	1.17	17,198.44	0.71	0.00	0.0	0.00	12,424.38	20.0	0.51
1983	2,430,243.90	0.20	127,589.70	5.25	0.00	0.0	0.00	34,559.87	7.5	1.42
1984	2,523,273.73	3.83	229,792.81	9.11	0.00	0.0	0.00	40,168.61	14.7	1.59
1985	2,712,897.93	7.52	276,932.62	10.21	0.00	0.0	0.00	105,276.83	22.5	3.88
1986	2,884,553.72	6.33	332,823.17	11.54	0.00	0.0	0.00	19,417.31	18.1	0.67
1987	3,197,959.58	10.86	295,156.83	9.23	0.00	0.0	0.00	4,732.88	20.7	0.15
1988	3,488,383.53	9.08	202,932.83	5.82	0.00	0.0	0.00	56,250.90	31.2	1.61
1989	3,635,065.46	4.20	308,829.48	8.50	0.00	0.0	0.00	0.00	0.0	0.00
1990	3,943,894.94	8.50	76,295.34	1.93	0.00	0.0	0.00	118,465.64	13.6	3.00
1991	3,901,724.64	-1.07	346,732.42	8.89	0.00	0.0	0.00	54,981.42	6.9	1.41
1992	4,193,475.64	7.48	391,399.32	9.33	0.00	0.0	0.00	134,041.99	14.9	3.20
1993	4,450,832.97	6.14	74,099.74	1.66	0.00	0.0	0.00	282,413.54	37.9	6.35
1994	4,242,519.17	-4.68	760,541.75	17.93	0.00	0.0	0.00	132,889.67	20.1	3.13
1995	4,870,171.25	14.79	394,586.81	8.10	0.00	0.0	0.00	110,485.38	20.2	2.27
1996	5,154,272.68	5.83	6,639,432.55	128.81	0.00	0.0	0.00	190,952.30	11.9	3.70

DESC
Electric Division
316.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	823.40	31.3	0.04
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	204.84	49.5	0.01
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,026.27	12.9	0.19
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	7,641.44	14.6	0.35
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	7,916.58	20.9	0.37
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	10,810.75	18.1	0.48
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	32,062.45	15.8	1.40
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	7,198.44	26.5	0.31
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	31,743.85	22.4	1.32
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	12,424.38	20.0	0.51
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	34,559.87	7.5	1.42
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	40,168.61	14.7	1.59
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	105,276.83	22.5	3.88
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	19,417.31	18.1	0.67
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,732.88	20.7	0.15
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	56,250.90	31.2	1.61
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	118,465.64	13.6	3.00
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	54,981.42	6.9	1.41
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	134,041.99	14.9	3.20
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	282,413.54	37.9	6.35
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	132,889.67	20.1	3.13
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	110,485.38	20.2	2.27
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	190,952.30	11.9	3.70

DESC
Electric Division
316.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1997	11,602,752.93	125.11	597,756.76	5.15	0.00	0.0	0.00	33,936.19	7.8	0.29
1998	12,166,573.50	4.86	705,817.64	5.80	0.00	0.0	0.00	541,244.78	3.7	4.45
1999	12,331,146.36	1.35	1,075,892.12	8.72	0.00	0.0	0.00	185,911.53	40.8	1.51
2000	13,221,126.95	7.22	472,534.52	3.57	0.00	0.0	0.00	67,797.56	15.2	0.51
2001	13,625,863.91	3.06	715,141.17	5.25	0.00	0.0	0.00	345,903.43	6.0	2.54
2002	13,995,101.65	2.71	507,504.34	3.63	0.00	0.0	0.00	352,599.86	12.3	2.52
2003	14,150,006.13	1.11	647,312.41	4.57	0.00	0.0	0.00	247,792.45	14.0	1.75
2004	14,549,526.09	2.82	998,301.92	6.86	0.00	0.0	0.00	296,302.36	10.9	2.04
2005	15,251,525.65	4.82	390,430.27	2.56	6,672.19	1.5	0.04	306,402.75	17.6	2.01
2006	15,342,225.36	0.59	456,997.22	2.98	73,279.88	8.7	0.48	129,474.12	22.3	0.84
2007	15,743,028.34	2.61	976,222.95	6.20	329,467.35	9.3	2.09	283,334.37	13.2	1.80
2008	16,765,384.27	6.49	1,533,723.65	9.15	0.00	0.0	0.00	182,135.38	15.4	1.09
2009	18,116,972.54	8.06	-182,394.00	-1.01	-6,517.19	0.0	-0.04	274,130.87	13.9	1.51
2010	17,653,930.48	-2.56	1,641,448.11	9.30	0.00	0.0	0.00	622,509.20	12.6	3.53
2011	18,672,869.39	5.77	-1,779,568.89	-9.53	0.00	0.0	0.00	716,340.31	13.7	3.84
2012	16,176,960.19	-13.37	1,337,971.41	8.27	-728,382.01	0.0	-4.50	217,552.07	13.8	1.34
2013	16,568,997.52	2.42	1,896,468.30	11.45	-138,175.21	0.0	-0.83	471,915.62	11.4	2.85
2014	17,855,374.99	7.76	1,139,754.65	6.38	-17,505.68	0.0	-0.10	458,583.03	29.7	2.57
2015	18,519,040.93	3.72	3,094,825.46	16.71	15,496.82	0.5	0.08	459,350.50	18.5	2.48
2016	21,170,012.71	14.31	1,079,370.04	5.10	7,555.77	3.5	0.04	855,308.66	21.7	4.04
2017	21,401,629.86	1.09	2,129,938.86	9.95	0.00	0.0	0.00	586,125.34	13.7	2.74
2018	22,945,443.38	7.21	2,805,502.37	12.23	0.00	0.0	0.00	320,413.11	12.7	1.40

DESC
Electric Division
316.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	33,936.19	7.8	0.29
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	541,244.78	3.7	4.45
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	185,911.53	40.8	1.51
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	67,797.56	15.2	0.51
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	345,903.43	6.0	2.54
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	352,599.86	12.3	2.52
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	247,792.45	14.0	1.75
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	296,302.36	10.9	2.04
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	306,402.75	17.6	2.01
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	129,474.12	22.3	0.84
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	283,334.37	13.2	1.80
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	182,135.38	15.4	1.09
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	274,130.87	13.9	1.51
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	622,509.20	12.6	3.53
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	716,340.31	13.7	3.84
2012	0.00	0.0	0.00	0.00	0.0	0.00	-584,759.06	0.0	-3.61	-367,206.99	0.0	-2.27
2013	0.00	0.0	0.00	0.00	0.0	0.00	-9,190,988.73	0.0	-55.47	-8,719,073.11	0.0	-52.62
2014	0.00	0.0	0.00	0.00	0.0	0.00	-23,420.02	0.0	-0.13	435,163.01	31.2	2.44
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	459,350.50	18.5	2.48
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	855,308.66	21.7	4.04
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	586,125.34	13.7	2.74
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	320,413.11	12.7	1.40

DESC
Electric Division
316.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
Total			35,271,161.41		-458,108.08	0.0		9,382,520.69	16.1	

Surviving Balance as Of 12/31/ 2018 **35,229,700.45**
The Average Age Of These Survivors Is: **13.06 Years**
The Compound Growth Rate Over 93 Years **6.77 %**
Based Upon Correction Transaction Year

DESC
Electric Division
 316.00 *Miscellaneous Power Plant Equipment*
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
<i>Total</i>	0.00		0.0	0.00		0.0	-9,799,167.81		0.0	-416,647.12		0.0

DESC
Electric Division
331.00 Structures and Improvements
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1896	0.00	0.00	916.57	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1897	916.57	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1898	916.57	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1899	916.57	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1900	916.57	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1901	916.57	0.00	87,337.34	9,528.71	0.00	0.0	0.00	0.00	0.0	0.00
1902	88,253.91	9,528.71	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1903	88,253.91	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1904	88,253.91	0.00	118.97	0.13	0.00	0.0	0.00	0.00	0.0	0.00
1905	88,372.88	0.13	68,041.42	76.99	0.00	0.0	0.00	0.00	0.0	0.00
1906	156,414.30	76.99	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1907	156,414.30	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1908	156,414.30	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1909	156,414.30	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1910	156,414.30	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1911	156,414.30	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1912	156,414.30	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1913	156,414.30	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1914	156,414.30	0.00	238,045.94	152.19	0.00	0.0	0.00	0.00	0.0	0.00
1915	394,460.24	152.19	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1916	394,460.24	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1917	394,460.24	0.00	51.21	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1918	394,511.45	0.01	140.74	0.04	0.00	0.0	0.00	0.00	0.0	0.00
1919	394,652.19	0.04	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
331.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1896	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1897	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1898	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1899	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1900	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1901	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1902	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1903	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1904	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1905	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1906	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1907	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1908	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1909	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1910	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1911	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1912	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1913	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1914	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1915	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1916	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1917	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1918	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1919	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
331.00 Structures and Improvements
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1920	394,652.19	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1921	394,652.19	0.00	1,847.86	0.47	0.00	0.0	0.00	0.00	0.0	0.00
1922	396,500.05	0.47	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1923	396,500.05	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1924	396,500.05	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1925	396,500.05	0.00	24.79	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1926	396,524.84	0.01	28,226.33	7.12	0.00	0.0	0.00	0.00	0.0	0.00
1927	424,751.17	7.12	333.97	0.08	0.00	0.0	0.00	0.00	0.0	0.00
1928	425,085.14	0.08	442.76	0.10	0.00	0.0	0.00	0.00	0.0	0.00
1929	425,527.90	0.10	22,470.97	5.28	0.00	0.0	0.00	0.00	0.0	0.00
1930	447,998.87	5.28	36,374.45	8.12	0.00	0.0	0.00	12,300.00	16.5	2.75
1931	472,073.32	5.37	15,675.97	3.32	0.00	0.0	0.00	7,500.00	17.5	1.59
1932	480,249.29	1.73	939,053.60	195.53	0.00	0.0	0.00	0.00	0.0	0.00
1933	1,419,302.89	195.53	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	1,419,302.89	0.00	662.92	0.05	0.00	0.0	0.00	0.00	0.0	0.00
1935	1,419,965.81	0.05	20,280.03	1.43	0.00	0.0	0.00	968.69	4.5	0.07
1936	1,439,277.15	1.36	1,602.42	0.11	0.00	0.0	0.00	0.00	0.0	0.00
1937	1,440,879.57	0.11	179.57	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1938	1,441,059.14	0.01	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	1,441,059.14	0.00	147.05	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1940	1,441,206.19	0.01	6,114.29	0.42	0.00	0.0	0.00	1,139.64	26.5	0.08
1941	1,446,180.84	0.35	917.52	0.06	0.00	0.0	0.00	0.00	0.0	0.00
1942	1,447,098.36	0.06	56.14	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	1,447,154.50	0.00	1,915.04	0.13	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
331.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1920	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1921	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1922	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1923	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1924	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1925	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	12,300.00	16.5	2.75
1931	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	7,500.00	17.5	1.59
1932	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	968.69	4.5	0.07
1936	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,139.64	26.5	0.08
1941	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
331.00 Structures and Improvements
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1944	1,449,069.54	0.13	118.11	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1945	1,449,187.65	0.01	2,840.54	0.20	0.00	0.0	0.00	0.00	0.0	0.00
1946	1,452,028.19	0.20	84,602.31	5.83	0.00	0.0	0.00	0.00	0.0	0.00
1947	1,536,630.50	5.83	1,155.80	0.08	0.00	0.0	0.00	0.00	0.0	0.00
1948	1,537,786.30	0.08	1,393.41	0.09	0.00	0.0	0.00	2,517.13	32.8	0.16
1949	1,536,662.58	-0.07	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	1,536,662.58	0.00	20,312.64	1.32	0.00	0.0	0.00	0.00	0.0	0.00
1951	1,556,975.22	1.32	1,558.61	0.10	0.00	0.0	0.00	0.00	0.0	0.00
1952	1,558,533.83	0.10	579.16	0.04	0.00	0.0	0.00	129.78	12.5	0.01
1953	1,558,983.21	0.03	6,702.67	0.43	0.00	0.0	0.00	1,139.99	39.5	0.07
1954	1,564,545.89	0.36	500.00	0.03	0.00	0.0	0.00	0.00	0.0	0.00
1955	1,565,045.89	0.03	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	1,565,045.89	0.00	2,843.37	0.18	0.00	0.0	0.00	500.00	42.5	0.03
1957	1,567,389.26	0.15	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	1,567,389.26	0.00	309.35	0.02	0.00	0.0	0.00	6,954.42	43.6	0.44
1959	1,560,744.19	-0.42	4,600.80	0.29	0.00	0.0	0.00	83,981.31	28.8	5.38
1960	1,481,363.68	-5.09	0.00	0.00	0.00	0.0	0.00	225.00	28.5	0.02
1961	1,481,138.68	-0.02	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	1,481,138.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	1,481,138.68	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	1,481,138.68	0.00	24,641.83	1.66	0.00	0.0	0.00	0.00	0.0	0.00
1965	1,505,780.51	1.66	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	1,505,780.51	0.00	5,024.54	0.33	0.00	0.0	0.00	0.00	0.0	0.00
1967	1,510,805.05	0.33	5,895.95	0.39	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
331.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1944	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,517.13	32.8	0.16
1949	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1951	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	129.78	12.5	0.01
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,139.99	39.5	0.07
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	500.00	42.5	0.03
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	6,954.42	43.6	0.44
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	83,981.31	28.8	5.38
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	225.00	28.5	0.02
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
331.00 Structures and Improvements
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1968	1,516,701.00	0.39	1,938.52	0.13	0.00	0.0	0.00	0.00	0.0	0.00
1969	1,518,639.52	0.13	1,924.74	0.13	0.00	0.0	0.00	0.00	0.0	0.00
1970	1,520,564.26	0.13	25,775.49	1.70	0.00	0.0	0.00	0.00	0.0	0.00
1971	1,546,339.75	1.70	1,687,332.46	109.12	0.00	0.0	0.00	20,280.03	36.5	1.31
1972	3,213,392.18	107.81	74,595.24	2.32	0.00	0.0	0.00	4,433.40	58.5	0.14
1973	3,283,554.02	2.18	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	3,283,554.02	0.00	3,302.00	0.10	0.00	0.0	0.00	917.52	33.5	0.03
1975	3,285,938.50	0.07	0.00	0.00	0.00	0.0	0.00	330.00	70.5	0.01
1976	3,285,608.50	-0.01	291,618.94	8.88	0.00	0.0	0.00	0.00	0.0	0.00
1977	3,577,227.44	8.88	8,183.82	0.23	0.00	0.0	0.00	9,478.42	64.6	0.26
1978	3,575,932.84	-0.04	35,743,473.75	999.56	0.00	0.0	0.00	0.00	0.0	0.00
1979	39,319,406.59	999.56	49,622.33	0.13	0.00	0.0	0.00	6,700.72	62.4	0.02
1980	39,362,328.20	0.11	18,374.07	0.05	0.00	0.0	0.00	0.00	0.0	0.00
1981	39,380,702.27	0.05	153,903.89	0.39	0.00	0.0	0.00	350.63	9.5	0.00
1982	39,534,255.53	0.39	1,598,645.13	4.04	0.00	0.0	0.00	109,838.42	65.4	0.28
1983	41,023,062.24	3.77	245,871.14	0.60	0.00	0.0	0.00	254,116.01	14.9	0.62
1984	41,014,817.37	-0.02	29,515.41	0.07	0.00	0.0	0.00	0.00	0.0	0.00
1985	41,044,332.78	0.07	94,893.17	0.23	0.00	0.0	0.00	1,558.61	34.5	0.00
1986	41,137,667.34	0.23	91,635.80	0.22	0.00	0.0	0.00	7,494.06	72.5	0.02
1987	41,221,809.08	0.20	276,688.14	0.67	0.00	0.0	0.00	0.00	0.0	0.00
1988	41,498,497.22	0.67	212,688.98	0.51	0.00	0.0	0.00	35,002.35	14.4	0.08
1989	41,676,183.85	0.43	213,678.75	0.51	0.00	0.0	0.00	0.00	0.0	0.00
1990	41,889,862.60	0.51	125,136.93	0.30	0.00	0.0	0.00	528.35	76.5	0.00
1991	42,014,471.18	0.30	183,513.67	0.44	0.00	0.0	0.00	5,657.14	52.2	0.01

DESC
Electric Division
331.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	20,280.03	36.5	1.31
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,433.40	58.5	0.14
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	917.52	33.5	0.03
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	330.00	70.5	0.01
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	9,478.42	64.6	0.26
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	6,700.72	62.4	0.02
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	350.63	9.5	0.00
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	109,838.42	65.4	0.28
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	254,116.01	14.9	0.62
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,558.61	34.5	0.00
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	7,494.06	72.5	0.02
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	35,002.35	14.4	0.08
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	528.35	76.5	0.00
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	5,657.14	52.2	0.01

DESC
Electric Division
331.00 Structures and Improvements
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1992	42,192,327.71	0.42	213,718.88	0.51	0.00	0.0	0.00	2,150.65	87.5	0.01
1993	42,403,895.94	0.50	220,030.61	0.52	0.00	0.0	0.00	0.00	0.0	0.00
1994	42,623,926.55	0.52	324,736.94	0.76	0.00	0.0	0.00	168,504.77	19.7	0.40
1995	42,780,158.72	0.37	65,095.18	0.15	0.00	0.0	0.00	1,670.94	13.5	0.00
1996	42,843,582.96	0.15	167,770.83	0.39	0.00	0.0	0.00	182,232.68	20.0	0.43
1997	42,829,121.11	-0.03	136,763.60	0.32	0.00	0.0	0.00	24,876.22	19.5	0.06
1998	42,941,008.49	0.26	44,567.50	0.10	0.00	0.0	0.00	3,820.49	1.5	0.01
1999	42,981,755.50	0.09	76,002.23	0.18	0.00	0.0	0.00	0.00	0.0	0.00
2000	43,057,757.73	0.18	6,771.50	0.02	0.00	0.0	0.00	5,950.54	22.0	0.01
2001	43,058,578.69	0.00	157,406.70	0.37	0.00	0.0	0.00	0.00	0.0	0.00
2002	43,215,985.39	0.37	278,130.41	0.64	0.00	0.0	0.00	388,718.51	34.9	0.90
2003	43,105,397.29	-0.26	72,034.76	0.17	0.00	0.0	0.00	40,321.01	22.5	0.09
2004	43,137,111.04	0.07	1,024,271.04	2.37	0.00	0.0	0.00	163,027.37	29.1	0.38
2005	43,998,354.71	2.00	256,301.51	0.58	-75,910.25	0.0	-0.17	107,784.83	12.5	0.24
2006	44,070,961.14	0.17	465,026.31	1.06	574,418.18	2.5	1.30	128,277.88	22.8	0.29
2007	44,982,127.75	2.07	2,526,151.68	5.62	59,834.12	2.5	0.13	664,398.23	29.0	1.48
2008	46,903,715.32	4.27	11,044.41	0.02	0.00	0.0	0.00	198,512.63	37.6	0.42
2009	46,716,247.10	-0.40	1,297,476.94	2.78	0.00	0.0	0.00	42,036.59	34.2	0.09
2010	47,971,687.45	2.69	496,162.37	1.03	0.00	0.0	0.00	30,057.16	35.5	0.06
2011	48,437,792.66	0.97	396,940.54	0.82	0.00	0.0	0.00	53,442.66	26.0	0.11
2012	48,781,290.54	0.71	407,227.89	0.83	-90,577.82	0.0	-0.19	103,462.08	33.0	0.21
2013	48,994,478.53	0.44	334,823.29	0.68	0.00	0.0	0.00	126,464.97	24.6	0.26
2014	49,202,836.85	0.43	251,589.72	0.51	0.00	0.0	0.00	40,185.74	35.5	0.08
2015	49,414,240.83	0.43	152,302.75	0.31	0.00	0.0	0.00	14,721.55	34.3	0.03

DESC
Electric Division
331.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,150.65	87.5	0.01
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	168,504.77	19.7	0.40
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,670.94	13.5	0.00
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	182,232.68	20.0	0.43
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	24,876.22	19.5	0.06
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,820.49	1.5	0.01
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	5,950.54	22.0	0.01
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	388,718.51	34.9	0.90
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	40,321.01	22.5	0.09
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	163,027.37	29.1	0.38
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	107,784.83	12.5	0.24
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	128,277.88	22.8	0.29
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	664,398.23	29.0	1.48
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	198,512.63	37.6	0.42
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	42,036.59	34.2	0.09
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	30,057.16	35.5	0.06
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	53,442.66	26.0	0.11
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	103,462.08	33.0	0.21
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	126,464.97	24.6	0.26
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	40,185.74	35.5	0.08
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	14,721.55	34.3	0.03

DESC
Electric Division
331.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Age</i>	<i>Beginning Balance</i>
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	52,951.02	20.0	0.11
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	15,251.42	25.8	0.03
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	27,785.07	36.4	0.06
Total	0.00	0.0		0.00	0.0		0.00	0.0		3,160,646.63	28.6	

DESC
Electric Division
332.00 Reservoirs, Dams and Waterways
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1896	0.00	0.00	15,167.63	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1897	15,167.63	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1898	15,167.63	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1899	15,167.63	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1900	15,167.63	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1901	15,167.63	0.00	700,750.45	4,620.04	0.00	0.0	0.00	0.00	0.0	0.00
1902	715,918.08	4,620.04	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1903	715,918.08	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1904	715,918.08	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1905	715,918.08	0.00	912,451.12	127.45	0.00	0.0	0.00	0.00	0.0	0.00
1906	1,628,369.20	127.45	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1907	1,628,369.20	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1908	1,628,369.20	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1909	1,628,369.20	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1910	1,628,369.20	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1911	1,628,369.20	0.00	29,414.54	1.81	0.00	0.0	0.00	0.00	0.0	0.00
1912	1,657,783.74	1.81	140.70	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1913	1,657,924.44	0.01	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1914	1,657,924.44	0.00	2,536,242.06	152.98	0.00	0.0	0.00	0.00	0.0	0.00
1915	4,194,166.50	152.98	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1916	4,194,166.50	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1917	4,194,166.50	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1918	4,194,166.50	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1919	4,194,166.50	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
332.00 Reservoirs, Dams and Waterways
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1896	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1897	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1898	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1899	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1900	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1901	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1902	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1903	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1904	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1905	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1906	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1907	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1908	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1909	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1910	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1911	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1912	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1913	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1914	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1915	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1916	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1917	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1918	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1919	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
332.00 Reservoirs, Dams and Waterways
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1920	4,194,166.50	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1921	4,194,166.50	0.00	24,751.27	0.59	0.00	0.0	0.00	0.00	0.0	0.00
1922	4,218,917.77	0.59	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1923	4,218,917.77	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1924	4,218,917.77	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1925	4,218,917.77	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	4,218,917.77	0.00	310,206.27	7.35	0.00	0.0	0.00	0.00	0.0	0.00
1927	4,529,124.04	7.35	15,160.57	0.33	0.00	0.0	0.00	0.00	0.0	0.00
1928	4,544,284.61	0.33	2,986.21	0.07	0.00	0.0	0.00	0.00	0.0	0.00
1929	4,547,270.82	0.07	15,636.48	0.34	0.00	0.0	0.00	11,300.00	3.5	0.25
1930	4,551,607.30	0.10	122,226.67	2.69	0.00	0.0	0.00	0.00	0.0	0.00
1931	4,673,833.97	2.69	13,317.54	0.28	0.00	0.0	0.00	10,400.00	5.5	0.22
1932	4,676,751.51	0.06	11,203,347.18	239.55	0.00	0.0	0.00	0.00	0.0	0.00
1933	15,880,098.69	239.55	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	15,880,098.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	15,880,098.69	0.00	2,394.97	0.02	0.00	0.0	0.00	0.00	0.0	0.00
1936	15,882,493.66	0.02	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	15,882,493.66	0.00	6,908.13	0.04	0.00	0.0	0.00	0.00	0.0	0.00
1938	15,889,401.79	0.04	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	15,889,401.79	0.00	5,740.13	0.04	0.00	0.0	0.00	0.00	0.0	0.00
1940	15,895,141.92	0.04	17,827.96	0.11	0.00	0.0	0.00	0.00	0.0	0.00
1941	15,912,969.88	0.11	3,957.96	0.02	0.00	0.0	0.00	0.00	0.0	0.00
1942	15,916,927.84	0.02	7,053.38	0.04	0.00	0.0	0.00	0.00	0.0	0.00
1943	15,923,981.22	0.04	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
332.00 Reservoirs, Dams and Waterways
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1920	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1921	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1922	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1923	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1924	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1925	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	11,300.00	3.5	0.25
1930	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	10,400.00	5.5	0.22
1932	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
332.00 Reservoirs, Dams and Waterways
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<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1944	15,923,981.22	0.00	0.00	0.00	0.00	0.0	0.00	30,206.94	12.5	0.19
1945	15,893,774.28	-0.19	9,601.49	0.06	0.00	0.0	0.00	0.00	0.0	0.00
1946	15,903,375.77	0.06	1,986,268.12	12.49	0.00	0.0	0.00	18,344.73	15.0	0.12
1947	17,871,299.16	12.37	1,465.28	0.01	0.00	0.0	0.00	499.70	33.5	0.00
1948	17,872,264.74	0.01	10,751.84	0.06	0.00	0.0	0.00	370.82	34.5	0.00
1949	17,882,645.76	0.06	247.75	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	17,882,893.51	0.00	0.00	0.00	0.00	0.0	0.00	614.97	32.4	0.00
1951	17,882,278.54	0.00	1,595.99	0.01	0.00	0.0	0.00	370.82	37.5	0.00
1952	17,883,503.71	0.01	579.16	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1953	17,884,082.87	0.00	0.00	0.00	0.00	0.0	0.00	579.16	1.5	0.00
1954	17,883,503.71	0.00	622.94	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	17,884,126.65	0.00	1,089.56	0.01	0.00	0.0	0.00	399.26	27.5	0.00
1956	17,884,816.95	0.00	4,909.02	0.03	0.00	0.0	0.00	0.00	0.0	0.00
1957	17,889,725.97	0.03	0.00	0.00	0.00	0.0	0.00	2,344.01	37.8	0.01
1958	17,887,381.96	-0.01	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	17,887,381.96	0.00	36,232.47	0.20	0.00	0.0	0.00	0.00	0.0	0.00
1960	17,923,614.43	0.20	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	17,923,614.43	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	17,923,614.43	0.00	0.00	0.00	0.00	0.0	0.00	140.70	50.5	0.00
1963	17,923,473.73	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	17,923,473.73	0.00	3,365.81	0.02	0.00	0.0	0.00	0.00	0.0	0.00
1965	17,926,839.54	0.02	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	17,926,839.54	0.00	1,565.30	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1967	17,928,404.84	0.01	11,763.22	0.07	0.00	0.0	0.00	2,493.57	46.5	0.01

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Electric Division
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Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1944	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	30,206.94	12.5	0.19
1945	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	18,344.73	15.0	0.12
1947	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	499.70	33.5	0.00
1948	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	370.82	34.5	0.00
1949	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	614.97	32.4	0.00
1951	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	370.82	37.5	0.00
1952	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	579.16	1.5	0.00
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	399.26	27.5	0.00
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,344.01	37.8	0.01
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	140.70	50.5	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,493.57	46.5	0.01

DESC
Electric Division
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<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1968	17,937,674.49	0.05	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	17,937,674.49	0.00	6,688.60	0.04	0.00	0.0	0.00	0.00	0.0	0.00
1970	17,944,363.09	0.04	2,295.80	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1971	17,946,658.89	0.01	1,431,870.68	7.98	0.00	0.0	0.00	0.00	0.0	0.00
1972	19,378,529.57	7.98	26,151.19	0.13	0.00	0.0	0.00	0.00	0.0	0.00
1973	19,404,680.76	0.13	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	19,404,680.76	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	19,404,680.76	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	19,404,680.76	0.00	20,086.92	0.10	0.00	0.0	0.00	0.00	0.0	0.00
1977	19,424,767.68	0.10	83,562.37	0.43	0.00	0.0	0.00	810.32	10.5	0.00
1978	19,507,519.73	0.43	75,293,113.75	385.97	0.00	0.0	0.00	60,396.21	55.9	0.31
1979	94,740,237.27	385.66	0.00	0.00	0.00	0.0	0.00	5,584.89	62.5	0.01
1980	94,734,652.38	-0.01	213,699.97	0.23	0.00	0.0	0.00	0.00	0.0	0.00
1981	94,948,352.35	0.23	303,513.95	0.32	0.00	0.0	0.00	860.00	76.5	0.00
1982	95,251,006.30	0.32	81,447.95	0.09	0.00	0.0	0.00	0.00	0.0	0.00
1983	95,332,454.25	0.09	171,687.82	0.18	0.00	0.0	0.00	0.00	0.0	0.00
1984	95,504,142.07	0.18	498,656.57	0.52	0.00	0.0	0.00	0.00	0.0	0.00
1985	96,002,798.64	0.52	27,647.00	0.03	0.00	0.0	0.00	4,975.68	54.2	0.01
1986	96,025,469.96	0.02	342,970.32	0.36	0.00	0.0	0.00	1,009.94	81.5	0.00
1987	96,367,430.34	0.36	73,737.70	0.08	0.00	0.0	0.00	0.00	0.0	0.00
1988	96,441,168.04	0.08	0.00	0.00	0.00	0.0	0.00	2,137.00	74.5	0.00
1989	96,439,031.04	0.00	1,767,419.73	1.83	0.00	0.0	0.00	0.00	0.0	0.00
1990	98,206,450.77	1.83	1,280,400.12	1.30	0.00	0.0	0.00	0.00	0.0	0.00
1991	99,486,850.89	1.30	4,236,486.57	4.26	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
332.00 Reservoirs, Dams and Waterways
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<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	810.32	10.5	0.00
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	60,396.21	55.9	0.31
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	5,584.89	62.5	0.01
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	860.00	76.5	0.00
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,975.68	54.2	0.01
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,009.94	81.5	0.00
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,137.00	74.5	0.00
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
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Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1992	103,723,337.46	4.26	35,036.03	0.03	0.00	0.0	0.00	0.00	0.0	0.00
1993	103,758,373.49	0.03	3,707.04	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1994	103,762,080.53	0.00	297,839.50	0.29	0.00	0.0	0.00	59,010.31	41.9	0.06
1995	104,000,909.72	0.23	1,682,118.68	1.62	0.00	0.0	0.00	3,117.72	41.7	0.00
1996	105,679,910.68	1.61	0.00	0.00	0.00	0.0	0.00	151,075.42	65.3	0.14
1997	105,528,835.26	-0.14	65,718.50	0.06	0.00	0.0	0.00	0.00	0.0	0.00
1998	105,594,553.76	0.06	0.00	0.00	0.00	0.0	0.00	49,168.61	16.5	0.05
1999	105,545,385.15	-0.05	158,400.08	0.15	0.00	0.0	0.00	43,745.90	19.6	0.04
2000	105,660,039.33	0.11	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2001	105,660,039.33	0.00	104,310.80	0.10	0.00	0.0	0.00	0.00	0.0	0.00
2002	105,764,350.13	0.10	2,913,922.70	2.76	0.00	0.0	0.00	4,573,504.10	30.7	4.32
2003	104,104,768.73	-1.57	46,645.77	0.04	0.00	0.0	0.00	2,287.65	31.5	0.00
2004	104,149,126.85	0.04	262,418,178.29	251.96	0.00	0.0	0.00	11,950.78	90.5	0.01
2005	366,555,354.36	251.95	529,065.32	0.14	261,771,965.29	0.0	-71.41	3,984.86	72.3	0.00
2006	105,308,469.53	-71.27	993,953.39	0.94	0.00	0.0	0.00	7,723.55	101.5	0.01
2007	106,294,699.37	0.94	3,670,156.56	3.45	0.00	0.0	0.00	1,170.96	36.5	0.00
2008	109,963,684.97	3.45	443,766.12	0.40	-472,898.77	0.0	-0.43	492,197.00	44.8	0.45
2009	109,442,355.32	-0.47	0.00	0.00	-452,903.09	0.0	-0.41	0.00	0.0	0.00
2010	108,989,452.23	-0.41	0.00	0.00	0.00	0.0	0.00	102,517.86	32.5	0.09
2011	108,886,934.37	-0.09	773,777.01	0.71	0.00	0.0	0.00	0.00	0.0	0.00
2012	109,660,711.38	0.71	2,021,513.47	1.84	-539,518.29	0.0	-0.49	65,963.29	32.4	0.06
2013	111,076,743.27	1.29	1,054,308.50	0.95	0.00	0.0	0.00	60,090.64	54.7	0.05
2014	112,070,961.13	0.90	267,096.35	0.24	0.00	0.0	0.00	1,762,003.99	34.6	1.57
2015	110,576,053.49	-1.33	843,780.31	0.76	0.00	0.0	0.00	9,084.54	85.5	0.01

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Electric Division
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Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	59,010.31	41.9	0.06
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,117.72	41.7	0.00
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	151,075.42	65.3	0.14
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	49,168.61	16.5	0.05
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	43,745.90	19.6	0.04
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,573,504.10	30.7	4.32
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,287.65	31.5	0.00
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	11,950.78	90.5	0.01
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,984.86	72.3	0.00
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	7,723.55	101.5	0.01
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,170.96	36.5	0.00
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	492,197.00	44.8	0.45
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	102,517.86	32.5	0.09
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	65,963.29	32.4	0.06
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	60,090.64	54.7	0.05
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,762,003.99	34.6	1.57
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	9,084.54	85.5	0.01

DESC
Electric Division
332.00 Reservoirs, Dams and Waterways
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
2016	111,410,749.26	0.75	332,177.67	0.30	0.00	0.0	0.00	349,942.86	11.9	0.31
2017	111,392,984.07	-0.02	159,747.46	0.14	0.00	0.0	0.00	0.00	0.0	0.00
2018	111,552,731.53	0.14	165,928.29	0.15	0.00	0.0	0.00	199,316.72	12.4	0.18
Total			382,858,324.02		-263,237,285.44	0.0		8,101,695.48	32.2	

Surviving Balance as Of 12/31/ 2018 **111,519,343.10**
The Average Age Of These Survivors Is: **43.40 Years**
The Compound Growth Rate Over 122 Years **7.57 %**
Based Upon Correction Transaction Year

DESC
Electric Division
332.00 Reservoirs, Dams and Waterways
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	349,942.86	11.9	0.31
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	199,316.72	12.4	0.18
Total	0.00	0.0		0.00	0.0		0.00	0.0		8,101,695.48	32.2	

DESC
Electric Division
332.50 Reservoirs, Dams - Saluda Backup Dam
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2004	0.00	0.00	60,155,958.63	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2005	60,155,958.63	0.00	6,642,737.74	11.04	263,461,708.60	1.5	437.96	0.00	0.0	0.00
2006	330,260,404.97	449.01	722,379.75	0.22	0.00	0.0	0.00	0.00	0.0	0.00
2007	330,982,784.72	0.22	36,900.00	0.01	0.00	0.0	0.00	0.00	0.0	0.00
2008	331,019,684.72	0.01	0.00	0.00	472,898.77	4.5	0.14	0.00	0.0	0.00
2009	331,492,583.49	0.14	0.00	0.00	452,903.09	4.5	0.14	0.00	0.0	0.00
2010	331,945,486.58	0.14	900,415.43	0.27	0.00	0.0	0.00	0.00	0.0	0.00
2011	332,845,902.01	0.27	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2012	332,845,902.01	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2013	332,845,902.01	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2014	332,845,902.01	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2015	332,845,902.01	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2016	332,845,902.01	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2017	332,845,902.01	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2018	332,845,902.01	0.00	0.00	0.00	0.00	0.0	0.00	6,258.09	14.5	0.00
Total			68,458,391.55		264,387,510.46	1.5		6,258.09	14.5	

Surviving Balance as Of 12/31/ 2018 **332,839,643.92**
The Average Age Of These Survivors Is: **14.48 Years**
The Compound Growth Rate Over 14 Years **11.28 %**
Based Upon Correction Transaction Year

DESC
Electric Division
332.50 Reservoirs, Dams - Saluda Backup Dam
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	6,258.09	14.5	0.00
Total	0.00	0.0		0.00	0.0		0.00	0.0		6,258.09	14.5	

DESC
Electric Division
333.00 Water Wheels, Turbines and Generators
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1896	0.00	0.00	19,935.72	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1897	19,935.72	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1898	19,935.72	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1899	19,935.72	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1900	19,935.72	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1901	19,935.72	0.00	30,028.95	150.63	0.00	0.0	0.00	0.00	0.0	0.00
1902	49,964.67	150.63	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1903	49,964.67	0.00	10,742.86	21.50	0.00	0.0	0.00	0.00	0.0	0.00
1904	60,707.53	21.50	10,259.33	16.90	0.00	0.0	0.00	0.00	0.0	0.00
1905	70,966.86	16.90	218,377.05	307.72	0.00	0.0	0.00	0.00	0.0	0.00
1906	289,343.91	307.72	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1907	289,343.91	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1908	289,343.91	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1909	289,343.91	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1910	289,343.91	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1911	289,343.91	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1912	289,343.91	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1913	289,343.91	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1914	289,343.91	0.00	685,499.75	236.92	0.00	0.0	0.00	0.00	0.0	0.00
1915	974,843.66	236.92	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1916	974,843.66	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1917	974,843.66	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1918	974,843.66	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1919	974,843.66	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
333.00 Water Wheels, Turbines and Generators
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1896	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1897	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1898	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1899	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1900	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1901	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1902	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1903	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1904	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1905	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1906	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1907	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1908	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1909	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1910	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1911	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1912	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1913	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1914	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1915	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1916	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1917	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1918	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1919	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
333.00 Water Wheels, Turbines and Generators
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1920	974,843.66	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1921	974,843.66	0.00	113,598.80	11.65	0.00	0.0	0.00	0.00	0.0	0.00
1922	1,088,442.46	11.65	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1923	1,088,442.46	0.00	153.59	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1924	1,088,596.05	0.01	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1925	1,088,596.05	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	1,088,596.05	0.00	116,399.04	10.69	0.00	0.0	0.00	0.00	0.0	0.00
1927	1,204,995.09	10.69	1,982.77	0.16	0.00	0.0	0.00	0.00	0.0	0.00
1928	1,206,977.86	0.16	39,500.83	3.27	0.00	0.0	0.00	0.00	0.0	0.00
1929	1,246,478.69	3.27	240.82	0.02	0.00	0.0	0.00	0.00	0.0	0.00
1930	1,246,719.51	0.02	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	1,246,719.51	0.00	136,978.05	10.99	0.00	0.0	0.00	0.00	0.0	0.00
1932	1,383,697.56	10.99	1,404,062.35	101.47	0.00	0.0	0.00	0.00	0.0	0.00
1933	2,787,759.91	101.47	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	2,787,759.91	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	2,787,759.91	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	2,787,759.91	0.00	1,031.46	0.04	0.00	0.0	0.00	0.00	0.0	0.00
1937	2,788,791.37	0.04	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	2,788,791.37	0.00	18,949.67	0.68	0.00	0.0	0.00	0.00	0.0	0.00
1939	2,807,741.04	0.68	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	2,807,741.04	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	2,807,741.04	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	2,807,741.04	0.00	936.24	0.03	0.00	0.0	0.00	0.00	0.0	0.00
1943	2,808,677.28	0.03	1,441.03	0.05	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
333.00 Water Wheels, Turbines and Generators
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1920	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1921	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1922	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1923	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1924	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1925	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
333.00 Water Wheels, Turbines and Generators
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1944	2,810,118.31	0.05	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	2,810,118.31	0.00	4,439.95	0.16	0.00	0.0	0.00	0.00	0.0	0.00
1946	2,814,558.26	0.16	1,295.77	0.05	0.00	0.0	0.00	0.00	0.0	0.00
1947	2,815,854.03	0.05	416.51	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1948	2,816,270.54	0.01	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1949	2,816,270.54	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	2,816,270.54	0.00	117,400.88	4.17	0.00	0.0	0.00	50,811.20	18.5	1.80
1951	2,882,860.22	2.36	64,402.22	2.23	0.00	0.0	0.00	20,006.65	12.9	0.69
1952	2,927,255.79	1.54	17,262.27	0.59	0.00	0.0	0.00	22,676.81	45.3	0.77
1953	2,921,841.25	-0.18	159,070.61	5.44	0.00	0.0	0.00	2,164.42	0.5	0.07
1954	3,078,747.44	5.37	159,738.96	5.19	0.00	0.0	0.00	51,840.41	21.6	1.68
1955	3,186,645.99	3.50	19,331.82	0.61	0.00	0.0	0.00	1,656.00	41.5	0.05
1956	3,204,321.81	0.55	2,210.18	0.07	0.00	0.0	0.00	0.00	0.0	0.00
1957	3,206,531.99	0.07	292.56	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1958	3,206,824.55	0.01	37,514.80	1.17	0.00	0.0	0.00	0.00	0.0	0.00
1959	3,244,339.35	1.17	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	3,244,339.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	3,244,339.35	0.00	6,452.39	0.20	0.00	0.0	0.00	0.00	0.0	0.00
1962	3,250,791.74	0.20	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	3,250,791.74	0.00	22,636.44	0.70	0.00	0.0	0.00	0.00	0.0	0.00
1964	3,273,428.18	0.70	5,745.63	0.18	0.00	0.0	0.00	1,377.53	9.5	0.04
1965	3,277,796.28	0.13	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	3,277,796.28	0.00	0.00	0.00	0.00	0.0	0.00	83,284.98	61.5	2.54
1967	3,194,511.30	-2.54	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
333.00 Water Wheels, Turbines and Generators
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1944	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1949	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	50,811.20	18.5	1.80
1951	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	20,006.65	12.9	0.69
1952	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	22,676.81	45.3	0.77
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,164.42	0.5	0.07
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	51,840.41	21.6	1.68
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,656.00	41.5	0.05
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,377.53	9.5	0.04
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	83,284.98	61.5	2.54
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC**Electric Division****333.00 Water Wheels, Turbines and Generators****Summary of Service Life Statistics (Report A)**

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1968	3,194,511.30	0.00	277,378.28	8.68	0.00	0.0	0.00	0.00	0.0	0.00
1969	3,471,889.58	8.68	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	3,471,889.58	0.00	6,541.36	0.19	0.00	0.0	0.00	2,742.03	63.1	0.08
1971	3,475,688.91	0.11	3,499,761.57	100.69	0.00	0.0	0.00	14,358.22	66.5	0.41
1972	6,961,092.26	100.28	197,913.90	2.84	0.00	0.0	0.00	4,175.65	67.5	0.06
1973	7,154,830.51	2.78	4,217.93	0.06	0.00	0.0	0.00	0.00	0.0	0.00
1974	7,159,048.44	0.06	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	7,159,048.44	0.00	0.00	0.00	0.00	0.0	0.00	2,458.02	70.5	0.03
1976	7,156,590.42	-0.03	15,638.61	0.22	0.00	0.0	0.00	0.00	0.0	0.00
1977	7,172,229.03	0.22	13,187.25	0.18	0.00	0.0	0.00	61.20	9.5	0.00
1978	7,185,355.08	0.18	48,301,088.76	672.22	0.00	0.0	0.00	673.20	10.5	0.01
1979	55,485,770.64	672.21	0.00	0.00	0.00	0.0	0.00	125.92	74.5	0.00
1980	55,485,644.72	0.00	48,689.73	0.09	0.00	0.0	0.00	0.00	0.0	0.00
1981	55,534,334.45	0.09	467,936.35	0.84	0.00	0.0	0.00	17,643.41	67.0	0.03
1982	55,984,627.39	0.81	1,707,052.10	3.05	0.00	0.0	0.00	169,816.57	5.7	0.30
1983	57,521,862.92	2.75	46,919.84	0.08	0.00	0.0	0.00	8,488.93	87.5	0.01
1984	57,560,293.83	0.07	189,571.11	0.33	0.00	0.0	0.00	0.00	0.0	0.00
1985	57,749,864.94	0.33	308,224.12	0.53	0.00	0.0	0.00	8,692.98	75.6	0.02
1986	58,049,396.08	0.52	834,863.99	1.44	0.00	0.0	0.00	31,057.48	8.5	0.05
1987	58,853,202.59	1.38	1,352,712.51	2.30	0.00	0.0	0.00	38,227.01	55.5	0.06
1988	60,167,688.09	2.23	1,029,320.80	1.71	0.00	0.0	0.00	328,132.22	27.6	0.55
1989	60,868,876.67	1.17	182,685.76	0.30	0.00	0.0	0.00	0.00	0.0	0.00
1990	61,051,562.43	0.30	286,842.98	0.47	0.00	0.0	0.00	11,905.28	58.5	0.02
1991	61,326,500.13	0.45	1,660,266.79	2.71	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
333.00 Water Wheels, Turbines and Generators
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,742.03	63.1	0.08
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	14,358.22	66.5	0.41
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,175.65	67.5	0.06
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,458.02	70.5	0.03
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	61.20	9.5	0.00
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	673.20	10.5	0.01
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	125.92	74.5	0.00
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	17,643.41	67.0	0.03
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	169,816.57	5.7	0.30
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,488.93	87.5	0.01
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,692.98	75.6	0.02
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	31,057.48	8.5	0.05
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	38,227.01	55.5	0.06
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	328,132.22	27.6	0.55
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	11,905.28	58.5	0.02
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
333.00 Water Wheels, Turbines and Generators
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1992	62,986,766.92	2.71	167,869.54	0.27	0.00	0.0	0.00	5,598.57	14.5	0.01
1993	63,149,037.89	0.26	547,923.28	0.87	0.00	0.0	0.00	24,980.51	27.3	0.04
1994	63,671,980.66	0.83	906,368.84	1.42	0.00	0.0	0.00	62,407.62	35.0	0.10
1995	64,515,941.88	1.33	193,404.11	0.30	0.00	0.0	0.00	41,035.86	50.7	0.06
1996	64,668,310.13	0.24	139,720.64	0.22	0.00	0.0	0.00	220,288.35	21.4	0.34
1997	64,587,742.42	-0.12	511,928.91	0.79	0.00	0.0	0.00	8,744.26	40.6	0.01
1998	65,090,927.07	0.78	71,016.64	0.11	0.00	0.0	0.00	32,024.53	28.6	0.05
1999	65,129,919.18	0.06	763,493.01	1.17	0.00	0.0	0.00	1,758.78	103.5	0.00
2000	65,891,653.41	1.17	5,624,446.64	8.54	0.00	0.0	0.00	2,587,600.45	23.1	3.93
2001	68,928,499.60	4.61	5,901,722.22	8.56	0.00	0.0	0.00	1,486,196.00	23.6	2.16
2002	73,344,025.82	6.41	723,970.35	0.99	0.00	0.0	0.00	1,628,902.04	21.8	2.22
2003	72,439,094.13	-1.23	6,320,594.68	8.73	0.00	0.0	0.00	421,668.56	20.4	0.58
2004	78,338,020.25	8.14	7,574,075.55	9.67	0.00	0.0	0.00	3,165,287.87	26.4	4.04
2005	82,746,807.93	5.63	3,133,366.93	3.79	0.00	0.0	0.00	2,944,711.34	27.7	3.56
2006	82,935,463.52	0.23	55,173.18	0.07	0.00	0.0	0.00	181,920.96	14.6	0.22
2007	82,808,715.74	-0.15	448,311.94	0.54	0.00	0.0	0.00	373,647.31	24.7	0.45
2008	82,883,380.37	0.09	325,822.31	0.39	0.00	0.0	0.00	13,159.23	21.5	0.02
2009	83,196,043.45	0.38	203,754.26	0.24	0.00	0.0	0.00	67,430.85	17.7	0.08
2010	83,332,366.86	0.16	13,889.17	0.02	0.00	0.0	0.00	7,591.36	15.8	0.01
2011	83,338,664.67	0.01	1,405,462.90	1.69	0.01	1.5	0.00	56,395.16	26.6	0.07
2012	84,687,732.42	1.62	29,440.63	0.03	-708,277.06	0.0	-0.84	452,930.00	20.6	0.53
2013	83,555,965.99	-1.34	131,107.12	0.16	0.00	0.0	0.00	193,661.14	27.8	0.23
2014	83,493,411.97	-0.07	2,333,268.48	2.79	0.00	0.0	0.00	46,561.88	24.1	0.06
2015	85,780,118.57	2.74	842,409.06	0.98	0.00	0.0	0.00	223,645.59	29.2	0.26

DESC
Electric Division
333.00 Water Wheels, Turbines and Generators
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	5,598.57	14.5	0.01
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	24,980.51	27.3	0.04
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	62,407.62	35.0	0.10
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	41,035.86	50.7	0.06
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	220,288.35	21.4	0.34
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,744.26	40.6	0.01
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	32,024.53	28.6	0.05
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,758.78	103.5	0.00
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,587,600.45	23.1	3.93
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,486,196.00	23.6	2.16
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,628,902.04	21.8	2.22
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	421,668.56	20.4	0.58
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,165,287.87	26.4	4.04
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,944,711.34	27.7	3.56
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	181,920.96	14.6	0.22
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	373,647.31	24.7	0.45
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	13,159.23	21.5	0.02
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	67,430.85	17.7	0.08
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	7,591.36	15.8	0.01
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	56,395.16	26.6	0.07
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	452,930.00	20.6	0.53
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	193,661.14	27.8	0.23
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	46,561.88	24.1	0.06
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	223,645.59	29.2	0.26

DESC
Electric Division
333.00 Water Wheels, Turbines and Generators
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2016	86,398,882.04	0.72	807,848.47	0.94	0.00	0.0	0.00	238,265.31	28.4	0.28
2017	86,968,465.20	0.66	314,445.98	0.36	0.00	0.0	0.00	58,568.87	38.0	0.07
2018	87,224,342.31	0.29	493,581.88	0.57	-284,094.87	0.0	-0.33	51,956.52	42.5	0.06
Total			103,843,559.76		-992,371.92	0.0		15,469,315.04	25.2	

Surviving Balance as Of 12/31/ 2018 **87,381,872.80**
The Average Age Of These Survivors Is: **30.33 Years**
The Compound Growth Rate Over 122 Years **7.12 %**
Based Upon Correction Transaction Year

DESC
Electric Division
333.00 Water Wheels, Turbines and Generators
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	238,265.31	28.4	0.28
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	58,568.87	38.0	0.07
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	51,956.52	42.5	0.06
Total	0.00	0.0		0.00	0.0		0.00	0.0		15,469,315.04	25.2	

DESC
Electric Division
334.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1901	0.00	0.00	3,513.74	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1902	3,513.74	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1903	3,513.74	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1904	3,513.74	0.00	778.36	22.15	0.00	0.0	0.00	0.00	0.0	0.00
1905	4,292.10	22.15	45,308.62	1,055.63	0.00	0.0	0.00	0.00	0.0	0.00
1906	49,600.72	1,055.63	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1907	49,600.72	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1908	49,600.72	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1909	49,600.72	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1910	49,600.72	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1911	49,600.72	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1912	49,600.72	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1913	49,600.72	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1914	49,600.72	0.00	147,212.33	296.79	0.00	0.0	0.00	0.00	0.0	0.00
1915	196,813.05	296.79	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1916	196,813.05	0.00	267.69	0.14	0.00	0.0	0.00	0.00	0.0	0.00
1917	197,080.74	0.14	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1918	197,080.74	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1919	197,080.74	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1920	197,080.74	0.00	390.57	0.20	0.00	0.0	0.00	0.00	0.0	0.00
1921	197,471.31	0.20	4,278.38	2.17	0.00	0.0	0.00	0.00	0.0	0.00
1922	201,749.69	2.17	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1923	201,749.69	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1924	201,749.69	0.00	387.56	0.19	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
334.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1901	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1902	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1903	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1904	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1905	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1906	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1907	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1908	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1909	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1910	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1911	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1912	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1913	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1914	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1915	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1916	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1917	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1918	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1919	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1920	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1921	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1922	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1923	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1924	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
334.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1925	202,137.25	0.19	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	202,137.25	0.00	114,903.76	56.84	0.00	0.0	0.00	0.00	0.0	0.00
1927	317,041.01	56.84	433.72	0.14	0.00	0.0	0.00	0.00	0.0	0.00
1928	317,474.73	0.14	3,662.64	1.15	0.00	0.0	0.00	0.00	0.0	0.00
1929	321,137.37	1.15	3,449.58	1.07	0.00	0.0	0.00	0.00	0.0	0.00
1930	324,586.95	1.07	2,959.72	0.91	0.00	0.0	0.00	269.40	16.5	0.08
1931	327,277.27	0.83	16,423.33	5.02	0.00	0.0	0.00	0.00	0.0	0.00
1932	343,700.60	5.02	217,990.44	63.42	0.00	0.0	0.00	0.00	0.0	0.00
1933	561,691.04	63.42	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	561,691.04	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	561,691.04	0.00	1,780.10	0.32	0.00	0.0	0.00	0.00	0.0	0.00
1936	563,471.14	0.32	4,879.51	0.87	0.00	0.0	0.00	4,121.86	22.5	0.73
1937	564,228.79	0.13	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	564,228.79	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	564,228.79	0.00	110.21	0.02	0.00	0.0	0.00	0.00	0.0	0.00
1940	564,339.00	0.02	2,766.01	0.49	0.00	0.0	0.00	0.00	0.0	0.00
1941	567,105.01	0.49	70.00	0.01	0.00	0.0	0.00	0.00	0.0	0.00
1942	567,175.01	0.01	8,580.72	1.51	0.00	0.0	0.00	0.00	0.0	0.00
1943	575,755.73	1.51	3,549.74	0.62	0.00	0.0	0.00	0.00	0.0	0.00
1944	579,305.47	0.62	4,662.28	0.80	0.00	0.0	0.00	0.00	0.0	0.00
1945	583,967.75	0.80	762.06	0.13	0.00	0.0	0.00	0.00	0.0	0.00
1946	584,729.81	0.13	1,562.60	0.27	0.00	0.0	0.00	0.00	0.0	0.00
1947	586,292.41	0.27	8,029.50	1.37	0.00	0.0	0.00	0.00	0.0	0.00
1948	594,321.91	1.37	0.00	0.00	0.00	0.0	0.00	289.47	22.5	0.05

DESC
Electric Division
334.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1925	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	269.40	16.5	0.08
1931	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,121.86	22.5	0.73
1937	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	289.47	22.5	0.05

DESC
Electric Division
334.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1949	594,032.44	-0.05	0.00	0.00	0.00	0.0	0.00	250.03	41.1	0.04
1950	593,782.41	-0.04	9,308.46	1.57	0.00	0.0	0.00	418.66	14.4	0.07
1951	602,672.21	1.50	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	602,672.21	0.00	0.00	0.00	0.00	0.0	0.00	767.33	44.3	0.13
1953	601,904.88	-0.13	4,328.83	0.72	0.00	0.0	0.00	121,262.63	29.4	20.15
1954	484,971.08	-19.43	2,974.78	0.61	0.00	0.0	0.00	598.11	40.5	0.12
1955	487,347.75	0.49	1,386.69	0.28	0.00	0.0	0.00	339.99	9.5	0.07
1956	488,394.45	0.21	17,425.06	3.57	0.00	0.0	0.00	0.00	0.0	0.00
1957	505,819.51	3.57	4,645.43	0.92	0.00	0.0	0.00	7,031.92	15.5	1.39
1958	503,433.02	-0.47	132,794.93	26.38	0.00	0.0	0.00	835.12	17.4	0.17
1959	635,392.83	26.21	10,004.20	1.57	0.00	0.0	0.00	35,647.57	32.5	5.61
1960	609,749.46	-4.04	8,958.11	1.47	0.00	0.0	0.00	4,653.42	34.9	0.76
1961	614,054.15	0.71	0.00	0.00	0.00	0.0	0.00	13.72	47.5	0.00
1962	614,040.43	0.00	28,996.51	4.72	0.00	0.0	0.00	0.00	0.0	0.00
1963	643,036.94	4.72	92,794.98	14.43	0.00	0.0	0.00	8,583.38	1.5	1.33
1964	727,248.54	13.10	1,980.93	0.27	0.00	0.0	0.00	12,292.90	49.9	1.69
1965	716,936.57	-1.42	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	716,936.57	0.00	47,420.14	6.61	0.00	0.0	0.00	294.33	21.5	0.04
1967	764,062.38	6.57	0.00	0.00	0.00	0.0	0.00	10,496.00	53.5	1.37
1968	753,566.38	-1.37	20,437.85	2.71	0.00	0.0	0.00	0.00	0.0	0.00
1969	774,004.23	2.71	365.96	0.05	0.00	0.0	0.00	0.00	0.0	0.00
1970	774,370.19	0.05	112,801.75	14.57	0.00	0.0	0.00	562.59	12.5	0.07
1971	886,609.35	14.49	226,890.27	25.59	0.00	0.0	0.00	2,858.34	26.8	0.32
1972	1,110,641.28	25.27	6,371.71	0.57	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
334.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1949	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	250.03	41.1	0.04
1950	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	418.66	14.4	0.07
1951	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	767.33	44.3	0.13
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	121,262.63	29.4	20.15
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	598.11	40.5	0.12
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	339.99	9.5	0.07
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	7,031.92	15.5	1.39
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	835.12	17.4	0.17
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	35,647.57	32.5	5.61
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,653.42	34.9	0.76
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	13.72	47.5	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,583.38	1.5	1.33
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	12,292.90	49.9	1.69
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	294.33	21.5	0.04
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	10,496.00	53.5	1.37
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	562.59	12.5	0.07
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,858.34	26.8	0.32
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
334.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1973	1,117,012.99	0.57	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	1,117,012.99	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	1,117,012.99	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	1,117,012.99	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	1,117,012.99	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	1,117,012.99	0.00	6,229,969.93	557.73	0.00	0.0	0.00	0.00	0.0	0.00
1979	7,346,982.92	557.73	0.00	0.00	0.00	0.0	0.00	1,186.46	20.5	0.02
1980	7,345,796.46	-0.02	7,006.08	0.10	0.00	0.0	0.00	0.00	0.0	0.00
1981	7,352,802.54	0.10	7,422.88	0.10	0.00	0.0	0.00	3,446.44	45.4	0.05
1982	7,356,778.98	0.05	5,504.24	0.07	0.00	0.0	0.00	0.00	0.0	0.00
1983	7,362,283.22	0.07	25,060.74	0.34	0.00	0.0	0.00	0.00	0.0	0.00
1984	7,387,343.96	0.34	259,096.08	3.51	0.00	0.0	0.00	12,595.64	44.8	0.17
1985	7,633,844.40	3.34	13,762.96	0.18	0.00	0.0	0.00	0.00	0.0	0.00
1986	7,647,607.36	0.18	239,868.26	3.14	0.00	0.0	0.00	0.00	0.0	0.00
1987	7,887,475.62	3.14	31,249.96	0.40	0.00	0.0	0.00	0.00	0.0	0.00
1988	7,918,725.58	0.40	597,881.30	7.55	0.00	0.0	0.00	1,011,672.87	10.5	12.78
1989	7,504,934.01	-5.23	567,928.22	7.57	0.00	0.0	0.00	0.00	0.0	0.00
1990	8,072,862.23	7.57	336,682.39	4.17	0.00	0.0	0.00	10,771.88	23.0	0.13
1991	8,398,772.74	4.04	38,340.21	0.46	0.00	0.0	0.00	12,566.66	77.5	0.15
1992	8,424,546.29	0.31	285,294.51	3.39	0.00	0.0	0.00	3,337.21	62.1	0.04
1993	8,706,503.59	3.35	468,482.04	5.38	0.00	0.0	0.00	32,418.33	77.7	0.37
1994	9,142,567.30	5.01	153,661.31	1.68	0.00	0.0	0.00	13,951.87	34.1	0.15
1995	9,282,276.74	1.53	343,501.34	3.70	0.00	0.0	0.00	6,098.06	44.7	0.07
1996	9,619,680.02	3.63	30,069.41	0.31	0.00	0.0	0.00	43,807.22	26.3	0.46

DESC
Electric Division
334.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,186.46	20.5	0.02
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,446.44	45.4	0.05
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	12,595.64	44.8	0.17
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,011,672.87	10.5	12.78
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	10,771.88	23.0	0.13
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	12,566.66	77.5	0.15
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,337.21	62.1	0.04
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	32,418.33	77.7	0.37
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	13,951.87	34.1	0.15
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	6,098.06	44.7	0.07
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	43,807.22	26.3	0.46

DESC
Electric Division
334.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1997	9,605,942.21	-0.14	1,157,709.16	12.05	0.00	0.0	0.00	9,284.45	17.4	0.10
1998	10,754,366.92	11.96	96,845.23	0.90	0.00	0.0	0.00	21,868.69	83.0	0.20
1999	10,829,343.46	0.70	70,215.19	0.65	0.00	0.0	0.00	5,930.47	21.5	0.05
2000	10,893,628.18	0.59	408,998.73	3.75	0.00	0.0	0.00	1,729.67	11.5	0.02
2001	11,300,897.24	3.74	270,975.14	2.40	0.00	0.0	0.00	0.00	0.0	0.00
2002	11,571,872.38	2.40	71,390.31	0.62	0.00	0.0	0.00	1,127,360.23	12.0	9.74
2003	10,515,902.46	-9.13	207,788.72	1.98	0.00	0.0	0.00	24,427.42	15.0	0.23
2004	10,699,263.76	1.74	65,678.25	0.61	0.00	0.0	0.00	107,751.80	20.0	1.01
2005	10,657,190.21	-0.39	1,664,310.00	15.62	0.00	0.0	0.00	759,115.57	27.3	7.12
2006	11,562,384.64	8.49	6,838.86	0.06	0.00	0.0	0.00	16,428.50	30.8	0.14
2007	11,552,795.00	-0.08	87,686.36	0.76	-403,651.76	0.0	-3.49	9,624.27	35.6	0.08
2008	11,227,205.33	-2.82	80,379.34	0.72	0.00	0.0	0.00	59,404.10	23.9	0.53
2009	11,248,180.57	0.19	47,244.64	0.42	0.00	0.0	0.00	3,013.48	25.5	0.03
2010	11,292,411.73	0.39	25,762.09	0.23	0.00	0.0	0.00	40,715.19	19.8	0.36
2011	11,277,458.63	-0.13	272,843.84	2.42	109,276.83	1.5	0.97	1,558.96	33.5	0.01
2012	11,658,020.34	3.37	267,915.37	2.30	-217,961.15	0.0	-1.87	74,048.77	26.1	0.64
2013	11,633,925.79	-0.21	5,887,819.94	50.61	110,157.54	6.0	0.95	64,641.10	35.0	0.56
2014	17,567,262.17	51.00	4,223,695.12	24.04	0.00	0.0	0.00	945,559.74	36.3	5.38
2015	20,845,397.55	18.66	6,180,214.53	29.65	0.00	0.0	0.00	781,763.41	22.7	3.75
2016	26,243,848.67	25.90	1,169,932.14	4.46	0.00	0.0	0.00	3,057,063.94	24.8	11.65
2017	24,356,716.87	-7.19	4,686,299.83	19.24	0.00	0.0	0.00	193,855.12	48.8	0.80
2018	28,849,161.58	18.44	3,521,573.58	12.21	0.00	0.0	0.00	75,194.54	33.4	0.26

DESC
Electric Division
334.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	9,284.45	17.4	0.10
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	21,868.69	83.0	0.20
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	5,930.47	21.5	0.05
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,729.67	11.5	0.02
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,127,360.23	12.0	9.74
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	24,427.42	15.0	0.23
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	107,751.80	20.0	1.01
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	759,115.57	27.3	7.12
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	16,428.50	30.8	0.14
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	9,624.27	35.6	0.08
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	59,404.10	23.9	0.53
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,013.48	25.5	0.03
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	40,715.19	19.8	0.36
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,558.96	33.5	0.01
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	74,048.77	26.1	0.64
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	64,641.10	35.0	0.56
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	945,559.74	36.3	5.38
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	781,763.41	22.7	3.75
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,057,063.94	24.8	11.65
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	193,855.12	48.8	0.80
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	75,194.54	33.4	0.26

DESC
Electric Division
334.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
Total			41,441,497.99		-402,178.54	0.0	8,743,778.83	24.0	

Surviving Balance as Of 12/31/ 2018 **32,295,540.62**
The Average Age Of These Survivors Is: **9.06 Years**
The Compound Growth Rate Over 117 Years **8.11 %**
Based Upon Correction Transaction Year

DESC
Electric Division
334.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
<i>Total</i>	0.00	0.0		0.00	0.0		0.00	0.0		8,743,778.83	24.0	

DESC
Electric Division
335.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1905	0.00	0.00	5,797.38	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1906	5,797.38	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1907	5,797.38	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1908	5,797.38	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1909	5,797.38	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1910	5,797.38	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1911	5,797.38	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1912	5,797.38	0.00	234.42	4.04	0.00	0.0	0.00	0.00	0.0	0.00
1913	6,031.80	4.04	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1914	6,031.80	0.00	32,841.68	544.48	0.00	0.0	0.00	0.00	0.0	0.00
1915	38,873.48	544.48	6,731.52	17.32	0.00	0.0	0.00	0.00	0.0	0.00
1916	45,605.00	17.32	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1917	45,605.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1918	45,605.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1919	45,605.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1920	45,605.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1921	45,605.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1922	45,605.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1923	45,605.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1924	45,605.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1925	45,605.00	0.00	93.05	0.20	0.00	0.0	0.00	0.00	0.0	0.00
1926	45,698.05	0.20	5,797.90	12.69	0.00	0.0	0.00	0.00	0.0	0.00
1927	51,495.95	12.69	414.63	0.81	0.00	0.0	0.00	0.00	0.0	0.00
1928	51,910.58	0.81	439.53	0.85	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
335.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1905	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1906	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1907	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1908	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1909	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1910	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1911	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1912	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1913	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1914	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1915	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1916	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1917	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1918	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1919	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1920	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1921	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1922	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1923	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1924	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1925	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
335.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1929	52,350.11	0.85	934.08	1.78	0.00	0.0	0.00	0.00	0.0	0.00
1930	53,284.19	1.78	27.93	0.05	0.00	0.0	0.00	0.00	0.0	0.00
1931	53,312.12	0.05	1,350.68	2.53	0.00	0.0	0.00	0.00	0.0	0.00
1932	54,662.80	2.53	79,929.38	146.22	0.00	0.0	0.00	828.18	18.5	1.52
1933	133,764.00	144.71	128.10	0.10	0.00	0.0	0.00	0.00	0.0	0.00
1934	133,892.10	0.10	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	133,892.10	0.00	498.07	0.37	0.00	0.0	0.00	0.00	0.0	0.00
1936	134,390.17	0.37	90.94	0.07	0.00	0.0	0.00	0.00	0.0	0.00
1937	134,481.11	0.07	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	134,481.11	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	134,481.11	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	134,481.11	0.00	828.69	0.62	0.00	0.0	0.00	0.00	0.0	0.00
1941	135,309.80	0.62	1,246.70	0.92	0.00	0.0	0.00	0.00	0.0	0.00
1942	136,556.50	0.92	2,188.63	1.60	0.00	0.0	0.00	0.00	0.0	0.00
1943	138,745.13	1.60	107.96	0.08	0.00	0.0	0.00	0.00	0.0	0.00
1944	138,853.09	0.08	863.00	0.62	0.00	0.0	0.00	0.00	0.0	0.00
1945	139,716.09	0.62	184.72	0.13	0.00	0.0	0.00	0.00	0.0	0.00
1946	139,900.81	0.13	6,755.40	4.83	0.00	0.0	0.00	0.00	0.0	0.00
1947	146,656.21	4.83	1,636.23	1.12	0.00	0.0	0.00	0.00	0.0	0.00
1948	148,292.44	1.12	1,204.69	0.81	0.00	0.0	0.00	0.00	0.0	0.00
1949	149,497.13	0.81	285.90	0.19	0.00	0.0	0.00	0.00	0.0	0.00
1950	149,783.03	0.19	2,522.46	1.68	0.00	0.0	0.00	84.00	10.5	0.06
1951	152,221.49	1.63	300.44	0.20	0.00	0.0	0.00	0.00	0.0	0.00
1952	152,521.93	0.20	769.45	0.50	0.00	0.0	0.00	1,945.54	11.6	1.28

DESC
Electric Division
335.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1929	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	828.18	18.5	1.52
1933	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1938	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1949	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	84.00	10.5	0.06
1951	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,945.54	11.6	1.28

DESC
Electric Division
335.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1953	151,345.84	-0.77	2,847.53	1.88	0.00	0.0	0.00	0.00	0.0	0.00
1954	154,193.37	1.88	5,020.80	3.26	0.00	0.0	0.00	527.27	3.4	0.34
1955	158,686.90	2.91	350.33	0.22	0.00	0.0	0.00	0.00	0.0	0.00
1956	159,037.23	0.22	721.84	0.45	0.00	0.0	0.00	0.00	0.0	0.00
1957	159,759.07	0.45	1,095.44	0.69	0.00	0.0	0.00	0.00	0.0	0.00
1958	160,854.51	0.69	402.14	0.25	0.00	0.0	0.00	350.65	13.9	0.22
1959	160,906.00	0.03	3,331.24	2.07	0.00	0.0	0.00	40,358.62	27.0	25.08
1960	123,878.62	-23.01	1,835.28	1.48	0.00	0.0	0.00	752.66	10.5	0.61
1961	124,961.24	0.87	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	124,961.24	0.00	402.17	0.32	0.00	0.0	0.00	0.00	0.0	0.00
1963	125,363.41	0.32	1,117.54	0.89	0.00	0.0	0.00	329.32	22.5	0.26
1964	126,151.63	0.63	309.52	0.25	0.00	0.0	0.00	350.00	10.5	0.28
1965	126,111.15	-0.03	1,113.02	0.88	0.00	0.0	0.00	157.16	18.5	0.12
1966	127,067.01	0.76	855.84	0.67	0.00	0.0	0.00	143.41	32.0	0.11
1967	127,779.44	0.56	2,719.33	2.13	0.00	0.0	0.00	680.49	9.8	0.53
1968	129,818.28	1.60	609.87	0.47	0.00	0.0	0.00	0.00	0.0	0.00
1969	130,428.15	0.47	8,208.00	6.29	0.00	0.0	0.00	1,534.69	18.6	1.18
1970	137,101.46	5.12	3,236.32	2.36	0.00	0.0	0.00	1,030.67	14.7	0.75
1971	139,307.11	1.61	72,806.46	52.26	0.00	0.0	0.00	1,100.73	31.0	0.79
1972	211,012.84	51.47	2,166.05	1.03	0.00	0.0	0.00	408.79	32.7	0.19
1973	212,770.10	0.83	1,491.22	0.70	0.00	0.0	0.00	0.00	0.0	0.00
1974	214,261.32	0.70	1,987.09	0.93	0.00	0.0	0.00	145.31	6.5	0.07
1975	216,103.10	0.86	3,587.05	1.66	0.00	0.0	0.00	1,373.79	7.0	0.64
1976	218,316.36	1.02	2,239.15	1.03	0.00	0.0	0.00	72.80	17.5	0.03

DESC
Electric Division
335.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	527.27	3.4	0.34
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	350.65	13.9	0.22
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	40,358.62	27.0	25.08
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	752.66	10.5	0.61
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	329.32	22.5	0.26
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	350.00	10.5	0.28
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	157.16	18.5	0.12
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	143.41	32.0	0.11
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	680.49	9.8	0.53
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,534.69	18.6	1.18
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,030.67	14.7	0.75
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,100.73	31.0	0.79
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	408.79	32.7	0.19
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	145.31	6.5	0.07
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,373.79	7.0	0.64
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	72.80	17.5	0.03

DESC
Electric Division
335.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1977	220,482.71	0.99	93,606.47	42.46	0.00	0.0	0.00	976.67	8.4	0.44
1978	313,112.51	42.01	3,407,731.01	1,088.34	0.00	0.0	0.00	1,425.12	54.8	0.46
1979	3,719,418.40	1,087.89	98,115.20	2.64	0.00	0.0	0.00	3,525.87	9.4	0.09
1980	3,814,007.73	2.54	20,792.88	0.55	0.00	0.0	0.00	0.00	0.0	0.00
1981	3,834,800.61	0.55	36,760.26	0.96	0.00	0.0	0.00	1,413.70	19.4	0.04
1982	3,870,147.17	0.92	148,248.29	3.83	0.00	0.0	0.00	4,447.56	11.5	0.11
1983	4,013,947.90	3.72	27,019.98	0.67	0.00	0.0	0.00	1,398.84	3.0	0.03
1984	4,039,569.04	0.64	102,654.99	2.54	0.00	0.0	0.00	6,750.28	15.4	0.17
1985	4,135,473.75	2.37	51,502.90	1.25	0.00	0.0	0.00	3,089.78	17.7	0.07
1986	4,183,886.87	1.17	56,726.27	1.36	0.00	0.0	0.00	1,409.97	6.1	0.03
1987	4,239,203.17	1.32	81,192.16	1.92	0.00	0.0	0.00	0.00	0.0	0.00
1988	4,320,395.33	1.92	57,546.48	1.33	0.00	0.0	0.00	89,491.48	10.5	2.07
1989	4,288,450.33	-0.74	150,894.21	3.52	0.00	0.0	0.00	10,519.00	10.5	0.25
1990	4,428,825.54	3.27	13,275.48	0.30	0.00	0.0	0.00	1,482.35	17.1	0.03
1991	4,440,618.67	0.27	42,429.33	0.96	0.00	0.0	0.00	197.02	16.5	0.00
1992	4,482,850.98	0.95	77,099.61	1.72	0.00	0.0	0.00	0.00	0.0	0.00
1993	4,559,950.59	1.72	51,079.51	1.12	0.00	0.0	0.00	0.00	0.0	0.00
1994	4,611,030.10	1.12	176,383.85	3.83	0.00	0.0	0.00	38,641.09	12.0	0.84
1995	4,748,772.86	2.99	42,999.83	0.91	0.00	0.0	0.00	31,622.56	46.3	0.67
1996	4,760,150.13	0.24	159,357.79	3.35	0.00	0.0	0.00	46,738.39	12.4	0.98
1997	4,872,769.53	2.37	266,001.89	5.46	0.00	0.0	0.00	48,945.30	10.7	1.00
1998	5,089,826.12	4.45	514,787.52	10.11	0.00	0.0	0.00	34,632.70	17.5	0.68
1999	5,569,980.94	9.43	134,448.52	2.41	0.00	0.0	0.00	76,706.62	11.5	1.38
2000	5,627,722.84	1.04	96,400.25	1.71	0.00	0.0	0.00	43,051.99	14.7	0.76

DESC
Electric Division
335.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	976.67	8.4	0.44
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,425.12	54.8	0.46
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,525.87	9.4	0.09
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,413.70	19.4	0.04
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,447.56	11.5	0.11
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,398.84	3.0	0.03
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	6,750.28	15.4	0.17
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,089.78	17.7	0.07
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,409.97	6.1	0.03
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	89,491.48	10.5	2.07
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	10,519.00	10.5	0.25
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,482.35	17.1	0.03
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	197.02	16.5	0.00
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	38,641.09	12.0	0.84
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	31,622.56	46.3	0.67
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	46,738.39	12.4	0.98
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	48,945.30	10.7	1.00
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	34,632.70	17.5	0.68
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	76,706.62	11.5	1.38
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	43,051.99	14.7	0.76

DESC
Electric Division
335.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2001	5,681,071.10	0.95	331,124.75	5.83	0.00	0.0	0.00	37,529.78	21.4	0.66
2002	5,974,666.07	5.17	141,141.76	2.36	0.00	0.0	0.00	101,203.92	21.7	1.69
2003	6,014,603.91	0.67	1,203,298.56	20.01	0.00	0.0	0.00	83,260.53	24.4	1.38
2004	7,134,641.94	18.62	396,758.54	5.56	0.00	0.0	0.00	88,196.68	13.8	1.24
2005	7,443,203.80	4.32	260,180.30	3.50	-723,625.43	0.0	-9.72	91,310.62	25.4	1.23
2006	6,888,448.05	-7.45	192,788.02	2.80	0.00	0.0	0.00	50,371.96	25.8	0.73
2007	7,030,864.11	2.07	517,555.05	7.36	0.00	0.0	0.00	99,160.76	29.6	1.41
2008	7,449,258.40	5.95	122,028.03	1.64	0.00	0.0	0.00	78,235.05	16.7	1.05
2009	7,493,051.38	0.59	350,096.98	4.67	0.00	0.0	0.00	22,910.36	9.0	0.31
2010	7,820,238.00	4.37	620,316.56	7.93	0.00	0.0	0.00	18,247.92	12.7	0.23
2011	8,422,306.64	7.70	605,291.94	7.19	0.00	0.0	0.00	15,190.19	30.1	0.18
2012	9,012,408.39	7.01	267,083.86	2.96	-151,185.12	0.0	-1.68	38,132.55	24.3	0.42
2013	9,090,174.58	0.86	325,022.52	3.58	145,661.89	8.5	1.60	43,632.68	32.4	0.48
2014	9,517,226.31	4.70	175,586.78	1.84	9,038.46	2.5	0.09	19,712.03	29.4	0.21
2015	9,682,139.52	1.73	292,988.30	3.03	0.00	0.0	0.00	61,585.34	37.3	0.64
2016	9,913,542.48	2.39	652,443.25	6.58	0.00	0.0	0.00	53,132.32	13.6	0.54
2017	10,512,853.41	6.05	633,468.86	6.03	0.00	0.0	0.00	138,596.16	15.3	1.32
2018	11,007,726.11	4.71	120,999.49	1.10	0.00	0.0	0.00	44,070.92	27.4	0.40

DESC
Electric Division
335.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

Year	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	Average Amount	% Beginning Age	Beginning Balance	Average Amount	% Beginning Age	Beginning Balance	Average Amount	% Beginning Age	Beginning Balance	Average Amount	% Beginning Age	Beginning Balance
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	37,529.78	21.4	0.66
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	101,203.92	21.7	1.69
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	83,260.53	24.4	1.38
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	88,196.68	13.8	1.24
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	91,310.62	25.4	1.23
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	50,371.96	25.8	0.73
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	99,160.76	29.6	1.41
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	78,235.05	16.7	1.05
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	22,910.36	9.0	0.31
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	18,247.92	12.7	0.23
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	15,190.19	30.1	0.18
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	38,132.55	24.3	0.42
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	43,632.68	32.4	0.48
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	19,712.03	29.4	0.21
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	61,585.34	37.3	0.64
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	53,132.32	13.6	0.54
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	138,596.16	15.3	1.32
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	44,070.92	27.4	0.40

DESC
Electric Division
335.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
Total	0.00	0.0		0.00	0.0		0.00	0.0		1,583,120.14	20.3	

DESC
Electric Division
336.00 Roads, Railroads and Bridges
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1914	0.00	0.00	21,803.85	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1915	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1916	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1917	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1918	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1919	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1920	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1921	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1922	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1923	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1924	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1925	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	21,803.85	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	21,803.85	0.00	19,191.68	88.02	0.00	0.0	0.00	0.00	0.0	0.00
1933	40,995.53	88.02	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
336.00 Roads, Railroads and Bridges
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1914	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1915	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1916	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1917	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1918	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1919	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1920	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1921	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1922	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1923	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1924	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1925	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1926	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1927	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1928	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1929	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1930	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1931	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1932	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1933	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1934	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1935	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1936	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1937	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
336.00 Roads, Railroads and Bridges
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1938	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1949	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1951	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1953	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
336.00 Roads, Railroads and Bridges
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1938	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1939	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1940	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1941	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1949	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1951	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
336.00 Roads, Railroads and Bridges
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1962	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1965	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1968	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1972	40,995.53	0.00	0.00	0.00	0.00	0.0	0.00	374.25	40.5	0.91
1973	40,621.28	-0.91	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	40,621.28	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	40,621.28	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	40,621.28	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	40,621.28	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	40,621.28	0.00	1,310,750.75	3,226.76	0.00	0.0	0.00	0.00	0.0	0.00
1979	1,351,372.03	3,226.76	26,440.41	1.96	0.00	0.0	0.00	0.00	0.0	0.00
1980	1,377,812.44	1.96	107,744.56	7.82	0.00	0.0	0.00	0.00	0.0	0.00
1981	1,485,557.00	7.82	8,086.94	0.54	0.00	0.0	0.00	0.00	0.0	0.00
1982	1,493,643.94	0.54	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1983	1,493,643.94	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	1,493,643.94	0.00	5,476.59	0.37	0.00	0.0	0.00	0.00	0.0	0.00
1985	1,499,120.53	0.37	14,082.40	0.94	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
336.00 Roads, Railroads and Bridges
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	374.25	40.5	0.91
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
336.00 Roads, Railroads and Bridges
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1986	1,513,202.93	0.94	6,398.02	0.42	0.00	0.0	0.00	0.00	0.0	0.00
1987	1,519,600.95	0.42	797.00	0.05	0.00	0.0	0.00	0.00	0.0	0.00
1988	1,520,397.95	0.05	10,536.06	0.69	0.00	0.0	0.00	0.00	0.0	0.00
1989	1,530,934.01	0.69	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1990	1,530,934.01	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1991	1,530,934.01	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1992	1,530,934.01	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1993	1,530,934.01	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1994	1,530,934.01	0.00	5,580.81	0.36	0.00	0.0	0.00	0.00	0.0	0.00
1995	1,536,514.82	0.36	22,892.62	1.49	0.00	0.0	0.00	0.00	0.0	0.00
1996	1,559,407.44	1.49	13,600.68	0.87	0.00	0.0	0.00	0.00	0.0	0.00
1997	1,573,008.12	0.87	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1998	1,573,008.12	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1999	1,573,008.12	0.00	16,651.33	1.06	0.00	0.0	0.00	0.00	0.0	0.00
2000	1,589,659.45	1.06	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2001	1,589,659.45	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2002	1,589,659.45	0.00	777,053.94	48.88	0.00	0.0	0.00	14,082.40	17.5	0.89
2003	2,352,630.99	48.00	27,955.11	1.19	3,291.98	3.5	0.14	3,842.36	71.5	0.16
2004	2,380,035.72	1.16	128,811.88	5.41	0.00	0.0	0.00	0.00	0.0	0.00
2005	2,508,847.60	5.41	0.00	0.00	-711,025.15	0.0	-28.34	0.00	0.0	0.00
2006	1,797,822.45	-28.34	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2007	1,797,822.45	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2008	1,797,822.45	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2009	1,797,822.45	0.00	19,694.98	1.10	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
336.00 Roads, Railroads and Bridges
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	14,082.40	17.5	0.89
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,842.36	71.5	0.16
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
336.00 Roads, Railroads and Bridges
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2010	1,817,517.43	1.10	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2011	1,817,517.43	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2012	1,817,517.43	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2013	1,817,517.43	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2014	1,817,517.43	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2015	1,817,517.43	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2016	1,817,517.43	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2017	1,817,517.43	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2018	1,817,517.43	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
Total			2,543,549.61		-707,733.17	0.0		18,299.01	29.3	

Surviving Balance as Of 12/31/ 2018 **1,817,517.43**
The Average Age Of These Survivors Is: **37.33 Years**
The Compound Growth Rate Over 104 Years **4.34 %**
Based Upon Correction Transaction Year

DESC
Electric Division
336.00 Roads, Railroads and Bridges
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
Total	0.00	0.0		0.00	0.0		0.00	0.0		18,299.01	29.3	

DESC
Electric Division
341.00 Structures and Improvements
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1968	0.00	0.00	995.69	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	995.69	0.00	3,531.34	354.66	0.00	0.0	0.00	0.00	0.0	0.00
1970	4,527.03	354.66	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	4,527.03	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1972	4,527.03	0.00	1,160.15	25.63	0.00	0.0	0.00	0.00	0.0	0.00
1973	5,687.18	25.63	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	5,687.18	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	5,687.18	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	5,687.18	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	5,687.18	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	5,687.18	0.00	23,439.42	412.14	0.00	0.0	0.00	0.00	0.0	0.00
1979	29,126.60	412.14	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1980	29,126.60	0.00	1,956.20	6.72	0.00	0.0	0.00	0.00	0.0	0.00
1981	31,082.80	6.72	58,978.09	189.75	0.00	0.0	0.00	0.00	0.0	0.00
1982	90,060.89	189.75	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1983	90,060.89	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	90,060.89	0.00	2,892.86	3.21	0.00	0.0	0.00	0.00	0.0	0.00
1985	92,953.75	3.21	9,428.26	10.14	0.00	0.0	0.00	0.00	0.0	0.00
1986	102,382.01	10.14	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1987	102,382.01	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	102,382.01	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1989	102,382.01	0.00	7,013.78	6.85	0.00	0.0	0.00	0.00	0.0	0.00
1990	109,395.79	6.85	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1991	109,395.79	0.00	2,885,520.42	2,637.69	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
341.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
341.00 Structures and Improvements
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1992	2,994,916.21	2,637.69	58,120.52	1.94	0.00	0.0	0.00	0.00	0.0	0.00
1993	3,053,036.73	1.94	214,572.74	7.03	0.00	0.0	0.00	0.00	0.0	0.00
1994	3,267,609.47	7.03	151,810.93	4.65	0.00	0.0	0.00	19,250.14	16.5	0.59
1995	3,400,170.26	4.06	144,878.92	4.26	0.00	0.0	0.00	3,636.06	14.5	0.11
1996	3,541,413.12	4.15	254,835.12	7.20	0.00	0.0	0.00	3,531.34	27.5	0.10
1997	3,792,716.90	7.10	49,652.19	1.31	0.00	0.0	0.00	0.00	0.0	0.00
1998	3,842,369.09	1.31	131,202.70	3.41	0.00	0.0	0.00	0.00	0.0	0.00
1999	3,973,571.79	3.41	260,840.47	6.56	0.00	0.0	0.00	0.00	0.0	0.00
2000	4,234,412.26	6.56	204,082.41	4.82	0.00	0.0	0.00	0.00	0.0	0.00
2001	4,438,494.67	4.82	674,403.47	15.19	0.00	0.0	0.00	0.00	0.0	0.00
2002	5,112,898.14	15.19	4,472,173.65	87.47	0.00	0.0	0.00	30,072.07	4.5	0.59
2003	9,554,999.72	86.88	104,912.01	1.10	0.00	0.0	0.00	500.00	31.5	0.01
2004	9,659,411.73	1.09	26,477,435.40	274.11	0.00	0.0	0.00	3,522.93	8.5	0.04
2005	36,133,324.20	274.07	102,054.89	0.28	0.00	0.0	0.00	0.00	0.0	0.00
2006	36,235,379.09	0.28	164,542.48	0.45	-33,844.92	0.0	-0.09	83,792.47	3.1	0.23
2007	36,282,284.18	0.13	761,263.65	2.10	0.00	0.0	0.00	304,891.55	6.3	0.84
2008	36,738,656.28	1.26	449,574.99	1.22	0.00	0.0	0.00	467,041.37	9.7	1.27
2009	36,721,189.90	-0.05	250,429.05	0.68	0.00	0.0	0.00	0.00	0.0	0.00
2010	36,971,618.95	0.68	1,543,899.07	4.18	0.00	0.0	0.00	0.00	0.0	0.00
2011	38,515,518.02	4.18	1,993,772.52	5.18	0.00	0.0	0.00	19,364.51	15.2	0.05
2012	40,489,926.03	5.13	697,771.02	1.72	-708,716.49	0.0	-1.75	10,841.91	11.7	0.03
2013	40,468,138.65	-0.05	532,088.86	1.31	8,719.54	2.5	0.02	95,574.41	9.2	0.24
2014	40,913,372.64	1.10	83,661.82	0.20	0.00	0.0	0.00	78,615.54	7.9	0.19
2015	40,918,418.92	0.01	391,837.72	0.96	0.00	0.0	0.00	154,246.00	19.4	0.38

DESC
Electric Division
341.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	19,250.14	16.5	0.59
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,636.06	14.5	0.11
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,531.34	27.5	0.10
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	30,072.07	4.5	0.59
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	500.00	31.5	0.01
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,522.93	8.5	0.04
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	83,792.47	3.1	0.23
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	304,891.55	6.3	0.84
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	467,041.37	9.7	1.27
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	19,364.51	15.2	0.05
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	10,841.91	11.7	0.03
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	95,574.41	9.2	0.24
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	78,615.54	7.9	0.19
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	154,246.00	19.4	0.38

DESC
Electric Division

341.00 Structures and Improvements

Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2016	41,156,010.64	0.58	614,645.33	1.49	7,705.97	0.5	0.02	9,401.61	10.5	0.02
2017	41,768,960.33	1.49	57,921.58	0.14	0.00	0.0	0.00	12,995.69	15.8	0.03
2018	41,813,886.22	0.11	4,291,995.52	10.26	0.00	0.0	0.00	79,642.47	12.1	0.19
Total			48,129,295.24		-726,135.90	0.0		1,376,920.07	9.8	

Surviving Balance as Of 12/31/ 2018 **46,026,239.27**
The Average Age Of These Survivors Is: **13.39 Years**
The Compound Growth Rate Over 50 Years **23.96 %**
Based Upon Correction Transaction Year

DESC
Electric Division
341.00 Structures and Improvements
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	9,401.61	10.5	0.02
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	12,995.69	15.8	0.03
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	79,642.47	12.1	0.19
Total	0.00	0.0		0.00	0.0		0.00	0.0		1,376,920.07	9.8	

DESC
Electric Division
342.00 Fuel Holders, Producers and Accessories
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1961	0.00	0.00	3,929.36	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	3,929.36	0.00	772.09	19.65	0.00	0.0	0.00	0.00	0.0	0.00
1963	4,701.45	19.65	6,552.48	139.37	0.00	0.0	0.00	0.00	0.0	0.00
1964	11,253.93	139.37	4,205.61	37.37	0.00	0.0	0.00	0.00	0.0	0.00
1965	15,459.54	37.37	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	15,459.54	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	15,459.54	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1968	15,459.54	0.00	54,220.14	350.72	0.00	0.0	0.00	0.00	0.0	0.00
1969	69,679.68	350.72	110,378.86	158.41	0.00	0.0	0.00	0.00	0.0	0.00
1970	180,058.54	158.41	468,597.80	260.25	0.00	0.0	0.00	0.00	0.0	0.00
1971	648,656.34	260.25	177,731.68	27.40	0.00	0.0	0.00	0.00	0.0	0.00
1972	826,388.02	27.40	130,355.28	15.77	0.00	0.0	0.00	0.00	0.0	0.00
1973	956,743.30	15.77	66,792.78	6.98	0.00	0.0	0.00	0.00	0.0	0.00
1974	1,023,536.08	6.98	87,606.62	8.56	0.00	0.0	0.00	0.00	0.0	0.00
1975	1,111,142.70	8.56	1,923.54	0.17	0.00	0.0	0.00	0.00	0.0	0.00
1976	1,113,066.24	0.17	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	1,113,066.24	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	1,113,066.24	0.00	4,778.68	0.43	0.00	0.0	0.00	0.00	0.0	0.00
1979	1,117,844.92	0.43	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1980	1,117,844.92	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	1,117,844.92	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1982	1,117,844.92	0.00	0.00	0.00	0.00	0.0	0.00	705.62	11.5	0.06
1983	1,117,139.30	-0.06	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	1,117,139.30	0.00	0.00	0.00	0.00	0.0	0.00	258,446.56	14.1	23.13

DESC
Electric Division
342.00 Fuel Holders, Producers and Accessories
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	705.62	11.5	0.06
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	258,446.56	14.1	23.13

DESC
Electric Division
342.00 Fuel Holders, Producers and Accessories
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1985	858,692.74	-23.13	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1986	858,692.74	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1987	858,692.74	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	858,692.74	0.00	2,468.61	0.29	0.00	0.0	0.00	0.00	0.0	0.00
1989	861,161.35	0.29	94,559.66	10.98	0.00	0.0	0.00	0.00	0.0	0.00
1990	955,721.01	10.98	0.00	0.00	0.00	0.0	0.00	137,586.01	19.9	14.40
1991	818,135.00	-14.40	1,209,202.89	147.80	0.00	0.0	0.00	0.00	0.0	0.00
1992	2,027,337.89	147.80	1,953,165.69	96.34	0.00	0.0	0.00	38,945.03	22.3	1.92
1993	3,941,558.55	94.42	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1994	3,941,558.55	0.00	49,997.22	1.27	0.00	0.0	0.00	11,000.00	25.0	0.28
1995	3,980,555.77	0.99	0.00	0.00	0.00	0.0	0.00	48,952.42	25.6	1.23
1996	3,931,603.35	-1.23	672.23	0.02	0.00	0.0	0.00	0.00	0.0	0.00
1997	3,932,275.58	0.02	6,609.61	0.17	0.00	0.0	0.00	0.00	0.0	0.00
1998	3,938,885.19	0.17	0.00	0.00	0.00	0.0	0.00	97,325.66	20.8	2.47
1999	3,841,559.53	-2.47	-652,185.80	-16.98	0.00	0.0	0.00	0.00	0.0	0.00
2000	3,189,373.73	-16.98	42,390.77	1.33	0.00	0.0	0.00	0.00	0.0	0.00
2001	3,231,764.50	1.33	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2002	3,231,764.50	0.00	3,828,998.00	118.48	0.00	0.0	0.00	0.00	0.0	0.00
2003	7,060,762.50	118.48	17,202.69	0.24	0.00	0.0	0.00	1,708.00	33.5	0.02
2004	7,076,257.19	0.22	28,849.64	0.41	0.00	0.0	0.00	0.00	0.0	0.00
2005	7,105,106.83	0.41	2,285,747.36	32.17	0.00	0.0	0.00	4,924.51	35.5	0.07
2006	9,385,929.68	32.10	3,461.74	0.04	0.00	0.0	0.00	0.00	0.0	0.00
2007	9,389,391.42	0.04	483,290.90	5.15	-3,972,396.51	0.0	-42.31	7,761.34	36.5	0.08
2008	5,892,524.47	-37.24	0.00	0.00	0.00	0.0	0.00	28,325.30	12.2	0.48

DESC
Electric Division
342.00 Fuel Holders, Producers and Accessories
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	137,586.01	19.9	14.40
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	38,945.03	22.3	1.92
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	11,000.00	25.0	0.28
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	48,952.42	25.6	1.23
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	97,325.66	20.8	2.47
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,708.00	33.5	0.02
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,924.51	35.5	0.07
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	7,761.34	36.5	0.08
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	28,325.30	12.2	0.48

DESC

Electric Division

342.00 Fuel Holders, Producers and Accessories

Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2009	5,864,199.17	-0.48	4,584.36	0.08	0.00	0.0	0.00	0.00	0.0	0.00
2010	5,868,783.53	0.08	62,680.70	1.07	0.00	0.0	0.00	8,141.53	5.5	0.14
2011	5,923,322.70	0.93	821,061.10	13.86	0.00	0.0	0.00	672.23	15.5	0.01
2012	6,743,711.57	13.85	189,858.71	2.82	-108,554.13	0.0	-1.61	29,720.85	29.7	0.44
2013	6,795,295.30	0.76	25,594.38	0.38	0.00	0.0	0.00	6,856.04	2.5	0.10
2014	6,814,033.64	0.28	5,805.44	0.09	-115,841.37	0.0	-1.70	63,287.92	22.5	0.93
2015	6,640,709.79	-2.54	27,957.39	0.42	0.00	0.0	0.00	15,501.72	26.0	0.23
2016	6,653,165.46	0.19	5,379.62	0.08	0.00	0.0	0.00	10,654.32	46.5	0.16
2017	6,647,890.76	-0.08	183,439.41	2.76	-1,996.43	0.0	-0.03	3,631.13	48.5	0.05
2018	6,825,702.61	2.67	5,821,018.91	85.28	0.00	0.0	0.00	55,703.39	1.8	0.82
Total			17,619,656.15		-4,198,788.44	0.0		829,849.58	18.3	

Surviving Balance as Of 12/31/ 2018 **13,354,947.15**
The Average Age Of These Survivors Is: **10.85 Years**
The Compound Growth Rate Over 57 Years **15.33 %**
Based Upon Correction Transaction Year

DESC
Electric Division
342.00 Fuel Holders, Producers and Accessories
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,141.53	5.5	0.14
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	672.23	15.5	0.01
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	29,720.85	29.7	0.44
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	6,856.04	2.5	0.10
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	63,287.92	22.5	0.93
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	15,501.72	26.0	0.23
2016	0.00	0.0	0.00	0.00	0.0	0.00	-763,929.02	0.0	-11.48	-753,274.70	0.0	-11.32
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,631.13	48.5	0.05
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	55,703.39	1.8	0.82
Total	0.00	0.0		0.00	0.0		-763,929.02	0.0		65,920.56	28.1	

DESC
Electric Division
343.00 Prime Movers

Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1968	0.00	0.00	3,876.25	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	3,876.25	0.00	23,951.39	617.90	0.00	0.0	0.00	0.00	0.0	0.00
1970	27,827.64	617.90	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	27,827.64	0.00	5,988.71	21.52	0.00	0.0	0.00	0.00	0.0	0.00
1972	33,816.35	21.52	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1973	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1979	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1980	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1982	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1983	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1985	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1986	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1987	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	33,816.35	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1989	33,816.35	0.00	76,560.12	226.40	0.00	0.0	0.00	0.00	0.0	0.00
1990	110,376.47	226.40	1,789,457.22	1,621.23	0.00	0.0	0.00	0.00	0.0	0.00
1991	1,899,833.69	1,621.23	23,038,726.63	1,212.67	0.00	0.0	0.00	147,647.97	1.5	7.77

DESC
Electric Division
343.00 Prime Movers

Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>			
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	147,647.97	1.5	7.77

DESC
Electric Division
343.00 Prime Movers

Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1992	24,790,912.35	1,204.90	1,953,089.82	7.88	0.00	0.0	0.00	0.00	0.0	0.00
1993	26,744,002.17	7.88	564,629.33	2.11	0.00	0.0	0.00	0.00	0.0	0.00
1994	27,308,631.50	2.11	296,839.70	1.09	0.00	0.0	0.00	23,951.39	25.5	0.09
1995	27,581,519.81	1.00	35,120.53	0.13	0.00	0.0	0.00	953,233.31	3.5	3.46
1996	26,663,407.03	-3.33	2,760,514.52	10.35	0.00	0.0	0.00	0.00	0.0	0.00
1997	29,423,921.55	10.35	3,526,054.41	11.98	0.00	0.0	0.00	0.00	0.0	0.00
1998	32,949,975.96	11.98	22,993.16	0.07	0.00	0.0	0.00	23,624.25	7.8	0.07
1999	32,949,344.87	0.00	27,357.42	0.08	0.00	0.0	0.00	0.00	0.0	0.00
2000	32,976,702.29	0.08	767,908.81	2.33	0.00	0.0	0.00	35,257.33	6.9	0.11
2001	33,709,353.77	2.22	673,073.50	2.00	0.00	0.0	0.00	0.00	0.0	0.00
2002	34,382,427.27	2.00	229,028,974.02	666.12	0.00	0.0	0.00	377,603.68	7.2	1.10
2003	263,033,797.61	665.02	13,069,029.67	4.97	0.00	0.0	0.00	19,749.31	8.0	0.01
2004	276,083,077.97	4.96	299,270,267.23	108.40	0.00	0.0	0.00	78,395.04	2.8	0.03
2005	575,274,950.16	108.37	125,531.85	0.02	0.00	0.0	0.00	13,201.40	14.7	0.00
2006	575,387,280.61	0.02	4,922,345.41	0.86	-13,378,968.00	0.0	-2.33	296,148.70	3.7	0.05
2007	566,634,509.32	-1.52	745,918.99	0.13	0.00	0.0	0.00	2,185,243.06	5.8	0.39
2008	565,195,185.25	-0.25	345,444.51	0.06	0.00	0.0	0.00	2,556,023.75	12.8	0.45
2009	562,984,606.01	-0.39	4,936,114.17	0.88	0.00	0.0	0.00	1,339,394.84	13.0	0.24
2010	566,581,325.34	0.64	12,130,153.26	2.14	0.00	0.0	0.00	10,595,824.59	7.7	1.87
2011	568,115,654.01	0.27	15,830,316.18	2.79	5,330,269.88	0.5	0.94	10,521,395.88	8.9	1.85
2012	578,754,844.19	1.87	6,949,529.91	1.20	-3,782,499.96	0.0	-0.65	2,173,446.62	10.3	0.38
2013	579,748,427.52	0.17	4,662,346.04	0.80	169,764.57	6.6	0.03	1,107,977.32	9.5	0.19
2014	583,472,560.81	0.64	6,347,530.92	1.09	180,001.86	7.5	0.03	2,275,116.30	13.4	0.39
2015	587,724,977.29	0.73	1,897,259.53	0.32	0.00	0.0	0.00	5,527,929.52	12.2	0.94

DESC
Electric Division
343.00 Prime Movers
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	23,951.39	25.5	0.09
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	953,233.31	3.5	3.46
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	23,624.25	7.8	0.07
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	35,257.33	6.9	0.11
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	377,603.68	7.2	1.10
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	19,749.31	8.0	0.01
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	78,395.04	2.8	0.03
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	13,201.40	14.7	0.00
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	296,148.70	3.7	0.05
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,185,243.06	5.8	0.39
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,556,023.75	12.8	0.45
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,339,394.84	13.0	0.24
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	10,595,824.59	7.7	1.87
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	10,521,395.88	8.9	1.85
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,173,446.62	10.3	0.38
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,107,977.32	9.5	0.19
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,275,116.30	13.4	0.39
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	5,527,929.52	12.2	0.94

DESC
Electric Division
343.00 Prime Movers

Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2016	584,094,307.30	-0.62	4,317,459.12	0.74	13,754.67	0.5	0.00	7,017,441.25	6.8	1.20
2017	581,408,079.84	-0.46	1,767,157.02	0.30	-67.12	0.0	0.00	758,333.43	13.0	0.13
2018	582,416,836.31	0.17	59,692,809.14	10.25	46,543.98	1.5	0.01	1,835,343.64	12.6	0.32
Total			701,604,328.49		-11,421,200.12	0.0		49,862,282.58	9.2	

Surviving Balance as Of 12/31/ 2018 **640,320,845.79**
The Average Age Of These Survivors Is: **13.69 Years**
The Compound Growth Rate Over 50 Years **27.16 %**
Based Upon Correction Transaction Year

DESC
Electric Division
343.00 Prime Movers

Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	7,017,441.25	6.8	1.20
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	758,333.43	13.0	0.13
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,835,343.64	12.6	0.32
Total	0.00	0.0		0.00	0.0		0.00	0.0		49,862,282.58	9.2	

DESC
Electric Division
344.00 Generators

Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1941	0.00	0.00	-504.12	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	-504.12	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	-504.12	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	-504.12	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	-504.12	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	-504.12	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	-504.12	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	-504.12	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1949	-504.12	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	-504.12	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1951	-504.12	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	-504.12	0.00	-1,307.06	259.28	0.00	0.0	0.00	0.00	0.0	0.00
1953	-1,811.18	259.28	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	-1,811.18	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	-1,811.18	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	-1,811.18	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	-1,811.18	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	-1,811.18	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	-1,811.18	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	-1,811.18	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	-1,811.18	0.00	-994,098.82	54,886.80	0.00	0.0	0.00	0.00	0.0	0.00
1962	-995,910.00	54,886.80	-875,146.42	87.87	0.00	0.0	0.00	0.00	0.0	0.00
1963	-1,871,056.42	87.87	-1,883,619.90	100.67	0.00	0.0	0.00	0.00	0.0	0.00
1964	-3,754,676.32	100.67	-26,606.12	0.71	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
344.00 Generators

Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1941	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1942	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1943	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1944	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1945	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1946	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1947	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1948	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1949	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1950	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1951	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1952	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
344.00 Generators

Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1965	-3,781,282.44	0.71	0.00	0.00	0.00	0.0	0.00	8,629.66	1.5	-0.23
1966	-3,789,912.10	0.23	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	-3,789,912.10	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1968	-3,789,912.10	0.00	2,697,874.76	-71.19	0.00	0.0	0.00	1,625.00	7.5	-0.04
1969	-1,093,662.34	-71.14	8,061,403.49	-737.10	0.00	0.0	0.00	0.00	0.0	0.00
1970	6,967,741.15	-737.10	2,732,613.85	39.22	0.00	0.0	0.00	0.00	0.0	0.00
1971	9,700,355.00	39.22	283,756.94	2.93	0.00	0.0	0.00	4,452.22	10.5	0.05
1972	9,979,659.72	2.88	74,336.15	0.74	0.00	0.0	0.00	0.00	0.0	0.00
1973	10,053,995.87	0.74	100,671.61	1.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	10,154,667.48	1.00	-1,005.82	-0.01	0.00	0.0	0.00	805.34	12.5	0.01
1975	10,152,856.32	-0.02	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	10,152,856.32	0.00	-8,348.66	-0.08	0.00	0.0	0.00	0.00	0.0	0.00
1977	10,144,507.66	-0.08	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	10,144,507.66	0.00	-6,139.83	-0.06	0.00	0.0	0.00	2,585.00	9.5	0.03
1979	10,135,782.83	-0.09	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1980	10,135,782.83	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	10,135,782.83	0.00	7,574.70	0.07	0.00	0.0	0.00	0.00	0.0	0.00
1982	10,143,357.53	0.07	5,391.55	0.05	0.00	0.0	0.00	0.00	0.0	0.00
1983	10,148,749.08	0.05	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	10,148,749.08	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1985	10,148,749.08	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1986	10,148,749.08	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1987	10,148,749.08	0.00	37,626.56	0.37	0.00	0.0	0.00	0.00	0.0	0.00
1988	10,186,375.64	0.37	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
344.00 Generators

Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,629.66	1.5	-0.23
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,625.00	7.5	-0.04
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,452.22	10.5	0.05
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	805.34	12.5	0.01
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,585.00	9.5	0.03
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
344.00 Generators

Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1989	10,186,375.64	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1990	10,186,375.64	0.00	0.00	0.00	0.00	0.0	0.00	79,568.22	25.9	0.78
1991	10,106,807.42	-0.78	6,027,040.34	59.63	0.00	0.0	0.00	4,242.07	22.5	0.04
1992	16,129,605.69	59.59	15,662.55	0.10	0.00	0.0	0.00	18,713.46	22.2	0.12
1993	16,126,554.78	-0.02	0.00	0.00	0.00	0.0	0.00	1,500.00	24.5	0.01
1994	16,125,054.78	-0.01	0.00	0.00	0.00	0.0	0.00	10,929.48	23.0	0.07
1995	16,114,125.30	-0.07	0.00	0.00	0.00	0.0	0.00	80,288.56	31.5	0.50
1996	16,033,836.74	-0.50	0.00	0.00	0.00	0.0	0.00	9,672.26	24.2	0.06
1997	16,024,164.48	-0.06	45,801.15	0.29	0.00	0.0	0.00	872.87	27.5	0.01
1998	16,069,092.76	0.28	42,731.02	0.27	0.00	0.0	0.00	1,389,997.12	30.5	8.65
1999	14,721,826.66	-8.38	20,537,788.46	139.51	0.00	0.0	0.00	0.00	0.0	0.00
2000	35,259,615.12	139.51	278,423.97	0.79	0.00	0.0	0.00	266,416.98	33.7	0.76
2001	35,271,622.11	0.03	520,692.35	1.48	0.00	0.0	0.00	4,565.22	2.5	0.01
2002	35,787,749.24	1.46	0.00	0.00	0.00	0.0	0.00	248,970.34	32.9	0.70
2003	35,538,778.90	-0.70	0.00	0.00	0.00	0.0	0.00	44,682.75	31.3	0.13
2004	35,494,096.15	-0.13	32,960,522.99	92.86	0.00	0.0	0.00	23,634.78	35.3	0.07
2005	68,430,984.36	92.80	53,287.84	0.08	0.00	0.0	0.00	212,099.75	36.3	0.31
2006	68,272,172.45	-0.23	82,454.95	0.12	13,378,968.00	4.5	19.60	367,097.24	25.5	0.54
2007	81,366,498.16	19.18	35,585.40	0.04	0.00	0.0	0.00	56,100.15	34.3	0.07
2008	81,345,983.41	-0.03	0.00	0.00	0.00	0.0	0.00	184,128.90	34.0	0.23
2009	81,161,854.51	-0.23	986,075.01	1.21	0.00	0.0	0.00	19,873.61	17.4	0.02
2010	82,128,055.91	1.19	985,461.81	1.20	0.00	0.0	0.00	371,850.13	37.1	0.45
2011	82,741,667.59	0.75	13,981,477.04	16.90	-109,276.83	0.0	-0.13	165,780.24	14.9	0.20
2012	96,448,087.56	16.57	25,449.72	0.03	-6,920,879.29	0.0	-7.18	60,039.65	28.3	0.06

DESC
Electric Division
344.00 Generators

Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	79,568.22	25.9	0.78
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,242.07	22.5	0.04
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	18,713.46	22.2	0.12
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,500.00	24.5	0.01
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	10,929.48	23.0	0.07
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	80,288.56	31.5	0.50
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	9,672.26	24.2	0.06
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	872.87	27.5	0.01
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,389,997.12	30.5	8.65
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	266,416.98	33.7	0.76
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	4,565.22	2.5	0.01
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	248,970.34	32.9	0.70
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	44,682.75	31.3	0.13
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	23,634.78	35.3	0.07
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	212,099.75	36.3	0.31
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	367,097.24	25.5	0.54
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	56,100.15	34.3	0.07
2008	0.00	0.0	0.00	0.00	0.0	0.00	-4,158,687.33	0.0	-5.11	-3,974,558.43	0.0	-4.89
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	19,873.61	17.4	0.02
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	371,850.13	37.1	0.45
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	165,780.24	14.9	0.20
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	60,039.65	28.3	0.06

DESC
Electric Division
344.00 Generators

Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2013	89,492,618.34	-7.21	4,335.82	0.00	95,251.37	7.5	0.11	121,245.45	13.7	0.14
2014	89,470,960.08	-0.02	13,733.87	0.02	0.00	0.0	0.00	1,068,872.34	15.0	1.19
2015	88,415,821.61	-1.18	1,828,102.56	2.07	0.00	0.0	0.00	189,278.43	39.7	0.21
2016	90,054,645.74	1.85	45,577.72	0.05	0.00	0.0	0.00	698,735.43	24.3	0.78
2017	89,401,488.03	-0.73	408,046.51	0.46	67.12	16.5	0.00	324,582.96	4.4	0.36
2018	89,485,018.70	0.09	91,536,904.88	102.29	-46,543.98	0.0	-0.05	494,888.18	25.8	0.55
Total			180,619,628.82		6,397,586.39	7.9		6,536,723.79	25.6	

Surviving Balance as Of 12/31/ 2018 **184,639,178.75**
The Average Age Of These Survivors Is: **10.19 Years**
The Compound Growth Rate Over 77 Years **27.16 %**
Based Upon Correction Transaction Year

DESC
Electric Division
344.00 Generators

Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	121,245.45	13.7	0.14
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,068,872.34	15.0	1.19
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	189,278.43	39.7	0.21
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	698,735.43	24.3	0.78
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	324,582.96	4.4	0.36
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	494,888.18	25.8	0.55
Total	0.00	0.0		0.00	0.0		-4,158,687.33	0.0		2,378,036.46	-8.4	

DESC
Electric Division
345.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	
1953	0.00	0.00	544.06	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	544.06	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	544.06	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	544.06	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	544.06	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	544.06	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	544.06	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	544.06	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	544.06	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	544.06	0.00	482.94	88.77	0.00	0.0	0.00	0.00	0.0	0.00
1963	1,027.00	88.77	951.64	92.66	0.00	0.0	0.00	0.00	0.0	0.00
1964	1,978.64	92.66	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1965	1,978.64	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	1,978.64	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	1,978.64	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1968	1,978.64	0.00	184,162.69	9,307.54	0.00	0.0	0.00	0.00	0.0	0.00
1969	186,141.33	9,307.54	62,828.09	33.75	0.00	0.0	0.00	0.00	0.0	0.00
1970	248,969.42	33.75	43,709.28	17.56	0.00	0.0	0.00	0.00	0.0	0.00
1971	292,678.70	17.56	2,506.14	0.86	0.00	0.0	0.00	0.00	0.0	0.00
1972	295,184.84	0.86	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1973	295,184.84	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	295,184.84	0.00	267.99	0.09	0.00	0.0	0.00	0.00	0.0	0.00
1975	295,452.83	0.09	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	295,452.83	0.00	305.73	0.10	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
345.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1953	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1954	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1955	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1956	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1957	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1958	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1959	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1960	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1961	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1962	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1963	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1964	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1965	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
345.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1977	295,758.56	0.10	6,063.49	2.05	0.00	0.0	0.00	3,460.47	9.5	1.17
1978	298,361.58	0.88	4,536.61	1.52	0.00	0.0	0.00	0.00	0.0	0.00
1979	302,898.19	1.52	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1980	302,898.19	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	302,898.19	0.00	14,882.79	4.91	0.00	0.0	0.00	3,053.07	12.5	1.01
1982	314,727.91	3.91	0.00	0.00	0.00	0.0	0.00	2,799.72	13.5	0.89
1983	311,928.19	-0.89	22,607.95	7.25	0.00	0.0	0.00	0.00	0.0	0.00
1984	334,536.14	7.25	8,507.24	2.54	0.00	0.0	0.00	8,384.83	15.6	2.51
1985	334,658.55	0.04	17,378.71	5.19	0.00	0.0	0.00	0.00	0.0	0.00
1986	352,037.26	5.19	32,628.64	9.27	0.00	0.0	0.00	0.00	0.0	0.00
1987	384,665.90	9.27	22,631.35	5.88	0.00	0.0	0.00	0.00	0.0	0.00
1988	407,297.25	5.88	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1989	407,297.25	0.00	85,831.88	21.07	0.00	0.0	0.00	0.00	0.0	0.00
1990	493,129.13	21.07	15,975.51	3.24	0.00	0.0	0.00	2,743.51	21.5	0.56
1991	506,361.13	2.68	3,431,425.40	677.66	0.00	0.0	0.00	0.00	0.0	0.00
1992	3,937,786.53	677.66	531,337.30	13.49	0.00	0.0	0.00	14,882.79	11.5	0.38
1993	4,454,241.04	13.12	10,389.87	0.23	0.00	0.0	0.00	0.00	0.0	0.00
1994	4,464,630.91	0.23	11,953.87	0.27	0.00	0.0	0.00	9,601.63	5.8	0.22
1995	4,466,983.15	0.05	60,261.15	1.35	0.00	0.0	0.00	10,517.35	28.2	0.24
1996	4,516,726.95	1.11	31,404.92	0.70	0.00	0.0	0.00	22,550.94	12.4	0.50
1997	4,525,580.93	0.20	0.00	0.00	0.00	0.0	0.00	1,266.58	26.5	0.03
1998	4,524,314.35	-0.03	6,183.03	0.14	0.00	0.0	0.00	122,653.56	24.3	2.71
1999	4,407,843.82	-2.57	216,446.55	4.91	0.00	0.0	0.00	0.00	0.0	0.00
2000	4,624,290.37	4.91	26,208.63	0.57	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
345.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,460.47	9.5	1.17
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,053.07	12.5	1.01
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,799.72	13.5	0.89
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	8,384.83	15.6	2.51
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,743.51	21.5	0.56
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	14,882.79	11.5	0.38
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	9,601.63	5.8	0.22
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	10,517.35	28.2	0.24
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	22,550.94	12.4	0.50
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,266.58	26.5	0.03
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	122,653.56	24.3	2.71
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
345.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2001	4,650,499.00	0.57	110,977.48	2.39	0.00	0.0	0.00	0.00	0.0	0.00
2002	4,761,476.48	2.39	15,402,675.44	323.49	0.00	0.0	0.00	25,211.10	7.9	0.53
2003	20,138,940.82	322.96	110,851.49	0.55	0.00	0.0	0.00	1,312.50	35.5	0.01
2004	20,248,479.81	0.54	39,189,161.49	193.54	0.00	0.0	0.00	2,347.50	28.8	0.01
2005	59,435,293.80	193.53	617,376.78	1.04	0.00	0.0	0.00	0.00	0.0	0.00
2006	60,052,670.58	1.04	1,088,630.73	1.81	0.00	0.0	0.00	11,953.87	12.5	0.02
2007	61,129,347.44	1.79	516,342.48	0.84	-14,961,816.64	0.0	-24.48	68,986.87	19.3	0.11
2008	46,614,886.41	-23.74	564,605.22	1.21	0.00	0.0	0.00	112,850.49	16.9	0.24
2009	47,066,641.14	0.97	115,947.50	0.25	0.00	0.0	0.00	21,588.82	18.9	0.05
2010	47,160,999.82	0.20	404,096.36	0.86	0.00	0.0	0.00	128,411.86	6.0	0.27
2011	47,436,684.32	0.58	10,692,059.30	22.54	19,527.31	1.5	0.04	142,684.50	9.3	0.30
2012	58,005,586.43	22.28	70,955.62	0.12	-2,234,640.83	0.0	-3.85	21,057.03	8.5	0.04
2013	55,820,844.19	-3.77	362,309.27	0.65	121,890.74	7.9	0.22	13,257.98	11.0	0.02
2014	56,291,786.22	0.84	5,455,002.05	9.69	8,467.22	7.5	0.02	108,103.86	8.6	0.19
2015	61,647,151.63	9.51	4,921,531.46	7.98	-4,657,573.07	0.0	-7.56	152,725.43	13.5	0.25
2016	61,758,384.59	0.18	21,285.14	0.03	0.00	0.0	0.00	22,368.77	32.3	0.04
2017	61,757,300.96	0.00	527,450.38	0.85	0.00	0.0	0.00	22,700.16	28.4	0.04
2018	62,262,051.18	0.82	3,451,817.50	5.54	0.00	0.0	0.00	369,640.09	16.2	0.59

DESC
Electric Division
345.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

Year	<u>Reimbursed Retirements</u>			<u>Sales</u>			<u>Final/Pending Retirements</u>			<u>Total Retirements</u>		
	Average Amount	% Beginning Age	Beginning Balance	Average Amount	% Beginning Age	Beginning Balance	Average Amount	% Beginning Age	Beginning Balance	Average Amount	% Beginning Age	Beginning Balance
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	25,211.10	7.9	0.53
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,312.50	35.5	0.01
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,347.50	28.8	0.01
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	11,953.87	12.5	0.02
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	68,986.87	19.3	0.11
2008	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	112,850.49	16.9	0.24
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	21,588.82	18.9	0.05
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	128,411.86	6.0	0.27
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	142,684.50	9.3	0.30
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	21,057.03	8.5	0.04
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	13,257.98	11.0	0.02
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	108,103.86	8.6	0.19
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	152,725.43	13.5	0.25
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	22,368.77	32.3	0.04
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	22,700.16	28.4	0.04
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	369,640.09	16.2	0.59

DESC
Electric Division
345.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>		<i>Regular Retirements</i>			
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
<i>Total</i>			88,475,489.14		-21,704,145.27	0.0		1,427,115.28	14.7	

Surviving Balance as Of 12/31/ 2018 **65,344,228.59**
The Average Age Of These Survivors Is: **11.88 Years**
The Compound Growth Rate Over 65 Years **19.71 %**
Based Upon Correction Transaction Year



DESC
Electric Division
345.00 Accessory Electric Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
<i>Total</i>	0.00	0.0		0.00	0.0		0.00	0.0		1,427,115.28	14.7	

DESC
Electric Division
345.50 Accessory Electric Equipment - CIPv5
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
Total	0.00	0.0		0.00	0.0		0.00	0.0		0.00	0.0	

DESC
Electric Division
346.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1966	0.00	0.00	-237.92	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	-237.92	0.00	-216.57	91.03	0.00	0.0	0.00	0.00	0.0	0.00
1968	-454.49	91.03	-2,472.35	543.98	0.00	0.0	0.00	0.00	0.0	0.00
1969	-2,926.84	543.98	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	-2,926.84	0.00	223.12	-7.62	0.00	0.0	0.00	0.00	0.0	0.00
1971	-2,703.72	-7.62	-96.65	3.57	0.00	0.0	0.00	0.00	0.0	0.00
1972	-2,800.37	3.57	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1973	-2,800.37	0.00	168.29	-6.01	0.00	0.0	0.00	0.00	0.0	0.00
1974	-2,632.08	-6.01	-447.02	16.98	0.00	0.0	0.00	0.00	0.0	0.00
1975	-3,079.10	16.98	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	-3,079.10	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	-3,079.10	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	-3,079.10	0.00	0.01	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1979	-3,079.09	0.00	162.84	-5.29	0.00	0.0	0.00	0.00	0.0	0.00
1980	-2,916.25	-5.29	960.00	-32.92	0.00	0.0	0.00	0.00	0.0	0.00
1981	-1,956.25	-32.92	2,979.18	-152.29	0.00	0.0	0.00	0.00	0.0	0.00
1982	1,022.93	-152.29	608.02	59.44	0.00	0.0	0.00	267.99	2.5	26.20
1983	1,362.96	33.24	1,463.30	107.36	0.00	0.0	0.00	0.00	0.0	0.00
1984	2,826.26	107.36	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1985	2,826.26	0.00	2,433.99	86.12	0.00	0.0	0.00	0.00	0.0	0.00
1986	5,260.25	86.12	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1987	5,260.25	0.00	-2,340.07	-44.49	0.00	0.0	0.00	0.00	0.0	0.00
1988	2,920.18	-44.49	98,427.68	3,370.60	0.00	0.0	0.00	0.00	0.0	0.00
1989	101,347.86	3,370.60	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
346.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1966	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1967	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1968	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1969	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1970	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1971	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1972	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1973	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1974	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1975	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1976	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1977	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1978	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1979	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1980	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1981	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1982	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	267.99	2.5	26.20
1983	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1984	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1985	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1986	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1987	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1988	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1989	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00

DESC
Electric Division
346.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
1990	101,347.86	0.00	6,024.29	5.94	0.00	0.0	0.00	0.00	0.0	0.00
1991	107,372.15	5.94	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1992	107,372.15	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1993	107,372.15	0.00	85,864.97	79.97	0.00	0.0	0.00	0.00	0.0	0.00
1994	193,237.12	79.97	6,081.99	3.15	0.00	0.0	0.00	0.00	0.0	0.00
1995	199,319.11	3.15	5,759.33	2.89	0.00	0.0	0.00	0.00	0.0	0.00
1996	205,078.44	2.89	6,913.25	3.37	0.00	0.0	0.00	0.00	0.0	0.00
1997	211,991.69	3.37	10,839.50	5.11	0.00	0.0	0.00	3,515.98	7.5	1.66
1998	219,315.21	3.45	4,793.77	2.19	0.00	0.0	0.00	0.00	0.0	0.00
1999	224,108.98	2.19	2,807.83	1.25	0.00	0.0	0.00	0.00	0.0	0.00
2000	226,916.81	1.25	8,883.48	3.91	0.00	0.0	0.00	1,495.46	6.5	0.66
2001	234,304.83	3.26	8,970.53	3.83	0.00	0.0	0.00	0.00	0.0	0.00
2002	243,275.36	3.83	6,035.94	2.48	0.00	0.0	0.00	2,462.83	8.6	1.01
2003	246,848.47	1.47	105,201.55	42.62	0.00	0.0	0.00	2,929.15	14.0	1.19
2004	349,120.87	41.43	171,827.78	49.22	0.00	0.0	0.00	0.00	0.0	0.00
2005	520,948.65	49.22	166,462.11	31.95	0.00	0.0	0.00	0.00	0.0	0.00
2006	687,410.76	31.95	84,271.81	12.26	0.00	0.0	0.00	0.00	0.0	0.00
2007	771,682.57	12.26	275,914.21	35.75	13,334.32	7.5	1.73	16,693.41	16.3	2.16
2008	1,044,237.69	35.32	49,907.92	4.78	0.00	0.0	0.00	148,749.08	4.5	14.24
2009	945,396.53	-9.47	101,262.83	10.71	0.00	0.0	0.00	0.00	0.0	0.00
2010	1,046,659.36	10.71	182,219.41	17.41	0.00	0.0	0.00	2,604.25	13.1	0.25
2011	1,226,274.52	17.16	126,914.70	10.35	-19,527.31	0.0	-1.59	2,147.19	2.5	0.18
2012	1,331,514.72	8.58	116,896.77	8.78	-114,602.94	0.0	-8.61	28,615.01	4.0	2.15
2013	1,305,193.54	-1.98	307,260.04	23.54	30,593.24	10.4	2.34	15,056.18	16.8	1.15

DESC
Electric Division
346.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<i>Reimbursed Retirements</i>			<i>Sales</i>			<i>Final/Pending Retirements</i>			<i>Total Retirements</i>		
	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>	<i>Average Amount</i>	<i>% Beginning Age</i>	<i>Beginning Balance</i>
1990	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1991	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1992	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1993	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1994	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1995	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1996	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1997	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	3,515.98	7.5	1.66
1998	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
1999	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2000	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	1,495.46	6.5	0.66
2001	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2002	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,462.83	8.6	1.01
2003	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,929.15	14.0	1.19
2004	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2005	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2006	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2007	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	16,693.41	16.3	2.16
2008	0.00	0.0	0.00	0.00	0.0	0.00	-37,031.46	0.0	-3.55	111,717.62	3.5	10.70
2009	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2010	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,604.25	13.1	0.25
2011	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	2,147.19	2.5	0.18
2012	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	28,615.01	4.0	2.15
2013	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	15,056.18	16.8	1.15

DESC
Electric Division
346.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report A)

<i>Year</i>	<i>Beginning Balance</i>	<i>Annual Growth Rate</i>	<i>Gross Additions</i>		<i>Adjust., Transfers, Acquisitions</i>			<i>Regular Retirements</i>		
			<i>Amount</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2014	1,627,990.64	24.73	41,322.45	2.54	0.00	0.0	0.00	0.00	0.0	0.00
2015	1,669,313.09	2.54	200,324.28	12.00	0.00	0.0	0.00	6,852.69	11.5	0.41
2016	1,862,784.68	11.59	108,132.99	5.80	0.00	0.0	0.00	40,208.20	8.0	2.16
2017	1,930,709.47	3.65	130,985.47	6.78	1,996.43	1.5	0.10	11,427.96	9.2	0.59
2018	2,052,263.41	6.30	742,348.65	36.17	0.00	0.0	0.00	26,280.85	9.4	1.28
	Total		3,165,843.70		-88,206.26	0.0		309,306.23	7.1	

Surviving Balance as Of 12/31/ 2018 **2,805,362.67**
The Average Age Of These Survivors Is: **7.60 Years**
The Compound Growth Rate Over 52 Years **3.88 %**
Based Upon Correction Transaction Year

DESC
Electric Division
346.00 Miscellaneous Power Plant Equipment
Summary of Service Life Statistics (Report B)

<i>Year</i>	<u><i>Reimbursed Retirements</i></u>			<u><i>Sales</i></u>			<u><i>Final/Pending Retirements</i></u>			<u><i>Total Retirements</i></u>		
	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>	<i>Amount</i>	<i>Average Age</i>	<i>% Beginning Balance</i>
2014	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
2015	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	6,852.69	11.5	0.41
2016	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	40,208.20	8.0	2.16
2017	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	11,427.96	9.2	0.59
2018	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	26,280.85	9.4	1.28
<i>Total</i>	0.00	0.0		0.00	0.0		-37,031.46	0.0		272,274.77	7.1	

DESC
Electric Division
353.00 353.00 and 362.00
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1896 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
0.0 - 0.5	\$922,512,675.51	\$8,862.89	0.00001	100.00
0.5 - 1.5	\$884,428,406.91	\$354,739.69	0.00040	100.00
1.5 - 2.5	\$832,162,500.24	\$171,841.55	0.00021	99.96
2.5 - 3.5	\$798,020,742.79	\$579,078.53	0.00073	99.94
3.5 - 4.5	\$777,899,317.09	\$2,051,945.55	0.00264	99.87
4.5 - 5.5	\$748,032,327.11	\$631,571.36	0.00084	99.60
5.5 - 6.5	\$693,745,828.23	\$1,399,213.35	0.00202	99.52
6.5 - 7.5	\$660,918,202.35	\$1,877,016.68	0.00284	99.32
7.5 - 8.5	\$627,656,700.17	\$1,381,525.05	0.00220	99.04
8.5 - 9.5	\$594,746,183.66	\$1,452,318.15	0.00244	98.82
9.5 - 10.5	\$541,580,027.53	\$1,783,389.75	0.00329	98.58
10.5 - 11.5	\$521,938,040.62	\$3,517,551.20	0.00674	98.25
11.5 - 12.5	\$479,343,998.87	\$1,184,294.45	0.00247	97.59
12.5 - 13.5	\$449,410,028.22	\$2,047,460.46	0.00456	97.35
13.5 - 14.5	\$429,061,925.02	\$2,213,421.83	0.00516	96.90
14.5 - 15.5	\$409,670,276.57	\$2,350,483.51	0.00574	96.40
15.5 - 16.5	\$372,920,385.97	\$1,574,645.65	0.00422	95.85
16.5 - 17.5	\$351,847,029.42	\$3,377,835.52	0.00960	95.45
17.5 - 18.5	\$333,374,887.41	\$1,313,962.37	0.00394	94.53
18.5 - 19.5	\$309,958,951.74	\$1,055,419.36	0.00341	94.16
19.5 - 20.5	\$296,653,712.04	\$3,320,628.17	0.01119	93.84
20.5 - 21.5	\$275,937,677.86	\$1,457,012.43	0.00528	92.79
21.5 - 22.5	\$256,269,380.69	\$1,509,762.96	0.00589	92.30
22.5 - 23.5	\$244,427,394.26	\$1,291,335.19	0.00528	91.75
23.5 - 24.5	\$229,490,148.37	\$1,671,669.15	0.00728	91.27
24.5 - 25.5	\$212,634,243.14	\$1,714,904.80	0.00807	90.60
25.5 - 26.5	\$198,905,490.09	\$1,264,938.31	0.00636	89.87
26.5 - 27.5	\$185,749,787.03	\$884,382.79	0.00476	89.30
27.5 - 28.5	\$169,609,030.09	\$2,033,116.78	0.01199	88.88
28.5 - 29.5	\$165,393,536.21	\$1,192,470.95	0.00721	87.81
29.5 - 30.5	\$154,322,284.01	\$1,489,299.77	0.00965	87.18
30.5 - 31.5	\$144,229,425.39	\$1,589,793.16	0.01102	86.34
31.5 - 32.5	\$137,448,867.40	\$1,275,168.91	0.00928	85.38
32.5 - 33.5	\$133,729,608.84	\$1,784,983.79	0.01335	84.59
33.5 - 34.5	\$127,427,274.90	\$1,253,730.61	0.00984	83.46
34.5 - 35.5	\$112,867,699.36	\$956,300.29	0.00847	82.64
35.5 - 36.5	\$100,611,758.83	\$1,019,763.45	0.01014	81.94

DESC
Electric Division
353.00 353.00 and 362.00
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1896 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
36.5 - 37.5	\$95,176,512.33	\$816,478.36	0.00858	81.11
37.5 - 38.5	\$92,403,270.11	\$2,059,572.61	0.02229	80.42
38.5 - 39.5	\$82,476,709.80	\$1,122,516.51	0.01361	78.62
39.5 - 40.5	\$75,452,779.93	\$1,183,690.50	0.01569	77.55
40.5 - 41.5	\$67,431,358.26	\$763,112.63	0.01132	76.34
41.5 - 42.5	\$63,360,916.01	\$959,348.63	0.01514	75.47
42.5 - 43.5	\$59,141,013.80	\$1,099,509.31	0.01859	74.33
43.5 - 44.5	\$53,840,167.70	\$1,545,159.45	0.02870	72.95
44.5 - 45.5	\$49,127,121.28	\$509,398.98	0.01037	70.85
45.5 - 46.5	\$42,644,317.18	\$699,461.06	0.01640	70.12
46.5 - 47.5	\$39,959,289.22	\$837,612.91	0.02096	68.97
47.5 - 48.5	\$34,547,084.07	\$591,015.81	0.01711	67.52
48.5 - 49.5	\$29,412,381.67	\$685,301.43	0.02330	66.37
49.5 - 50.5	\$27,451,753.92	\$484,334.05	0.01764	64.82
50.5 - 51.5	\$24,564,667.50	\$547,021.36	0.02227	63.68
51.5 - 52.5	\$22,019,225.91	\$258,958.91	0.01176	62.26
52.5 - 53.5	\$19,856,879.32	\$653,839.61	0.03293	61.53
53.5 - 54.5	\$18,411,513.67	\$579,184.85	0.03146	59.50
54.5 - 55.5	\$16,833,596.25	\$392,948.10	0.02334	57.63
55.5 - 56.5	\$16,053,705.83	\$434,786.29	0.02708	56.29
56.5 - 57.5	\$15,089,068.35	\$626,670.77	0.04153	54.76
57.5 - 58.5	\$13,973,773.09	\$252,658.00	0.01808	52.49
58.5 - 59.5	\$12,648,076.83	\$195,302.95	0.01544	51.54
59.5 - 60.5	\$11,899,908.83	\$190,679.73	0.01602	50.74
60.5 - 61.5	\$11,038,039.69	\$355,094.43	0.03217	49.93
61.5 - 62.5	\$9,731,722.92	\$369,622.43	0.03798	48.32
62.5 - 63.5	\$8,750,798.82	\$167,614.36	0.01915	46.49
63.5 - 64.5	\$7,827,922.90	\$145,930.09	0.01864	45.60
64.5 - 65.5	\$6,312,433.96	\$16,057.53	0.00254	44.75
65.5 - 66.5	\$6,038,974.98	\$59,525.81	0.00986	44.63
66.5 - 67.5	\$5,291,126.35	\$144,851.16	0.02738	44.19
67.5 - 68.5	\$4,520,808.09	\$67,436.77	0.01492	42.98
68.5 - 69.5	\$3,999,051.89	\$221,428.59	0.05537	42.34
69.5 - 70.5	\$3,431,961.53	\$49,173.26	0.01433	40.00
70.5 - 71.5	\$2,971,193.40	\$101,024.29	0.03400	39.42
71.5 - 72.5	\$2,706,887.83	\$42,474.50	0.01569	38.08
72.5 - 73.5	\$2,439,052.68	\$7,625.07	0.00313	37.49

DESC
Electric Division
353.00 353.00 and 362.00
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1896 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
73.5 - 74.5	\$2,369,837.47	\$12,273.82	0.00518	37.37
74.5 - 75.5	\$2,307,874.45	\$17,562.38	0.00761	37.18
75.5 - 76.5	\$2,144,547.96	\$99,278.23	0.04629	36.89
76.5 - 77.5	\$2,000,152.42	\$38,863.93	0.01943	35.19
77.5 - 78.5	\$1,809,993.82	\$83,903.39	0.04636	34.50
78.5 - 79.5	\$1,601,088.98	\$124,587.44	0.07781	32.90
79.5 - 80.5	\$1,389,348.92	\$21,497.19	0.01547	30.34
80.5 - 81.5	\$1,355,555.22	\$19,405.45	0.01432	29.87
81.5 - 82.5	\$1,077,543.22	\$3,068.17	0.00285	29.44
82.5 - 83.5	\$1,052,894.08	\$4,853.16	0.00461	29.36
83.5 - 84.5	\$1,047,238.51	\$3,136.00	0.00299	29.23
84.5 - 85.5	\$1,044,082.76	\$4,073.45	0.00390	29.14
85.5 - 86.5	\$1,039,982.02	\$1,971.25	0.00190	29.02
86.5 - 87.5	\$844,663.66	\$22,599.37	0.02676	28.97
87.5 - 88.5	\$762,310.61	\$2,916.97	0.00383	28.19
88.5 - 89.5	\$753,869.94	\$613.05	0.00081	28.09
89.5 - 90.5	\$744,704.63	\$4,930.73	0.00662	28.06
90.5 - 91.5	\$526,120.88	\$54,271.55	0.10315	27.88
91.5 - 92.5	\$441,206.95	\$60.56	0.00014	25.00
92.5 - 93.5	\$274,801.05	\$1,786.79	0.00650	25.00
93.5 - 94.5	\$248,677.76	\$0.00	0.00000	24.84
94.5 - 95.5	\$242,330.98	\$15,981.91	0.06595	24.84
95.5 - 96.5	\$226,286.97	\$0.00	0.00000	23.20
96.5 - 97.5	\$221,463.18	\$0.00	0.00000	23.20
97.5 - 98.5	\$192,896.28	\$77,722.33	0.40292	23.20
98.5 - 99.5	\$113,593.07	\$65.38	0.00058	13.85
99.5 - 100.5	\$102,398.26	\$4,271.26	0.04171	13.84
100.5 - 101.5	\$97,731.75	\$0.00	0.00000	13.27
101.5 - 102.5	\$97,682.39	\$0.00	0.00000	13.27
102.5 - 103.5	\$87,644.07	\$0.00	0.00000	13.27
103.5 - 104.5	\$87,451.13	\$353.71	0.00404	13.27
104.5 - 105.5	\$67,678.18	\$0.00	0.00000	13.21
105.5 - 106.5	\$59,494.11	\$0.00	0.00000	13.21
106.5 - 107.5	\$59,494.11	\$0.00	0.00000	13.21
107.5 - 108.5	\$0.00	\$0.00	0.00000	13.21
108.5 - 109.5	\$0.00	\$0.00	0.00000	13.21
109.5 - 110.5	\$0.00	\$0.00	0.00000	13.21

DESC
Electric Division
353.00 353.00 and 362.00
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1896 TO 2018

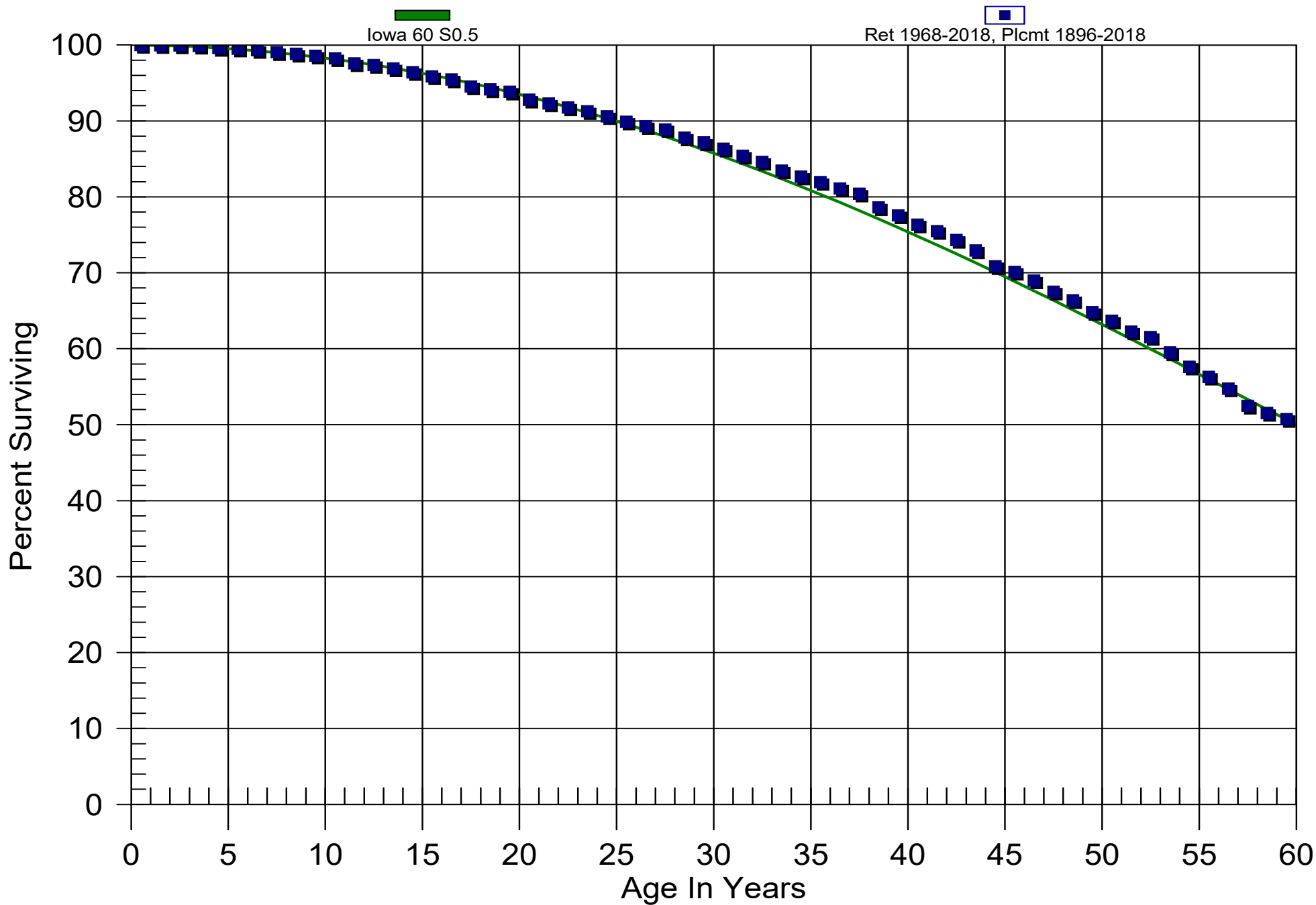
Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
110.5 - 111.5	\$0.00	\$0.00	0.00000	13.21
111.5 - 112.5	\$0.00	\$0.00	0.00000	13.21
112.5 - 113.5	\$0.00	\$0.00	0.00000	13.21
113.5 - 114.5	\$0.00	\$0.00	0.00000	13.21
114.5 - 115.5	\$0.00	\$0.00	0.00000	13.21
115.5 - 116.5	\$0.00	\$0.00	0.00000	13.21
116.5 - 117.5	\$0.00	\$0.00	0.00000	13.21
117.5 - 118.5	\$0.00	\$0.00	0.00000	13.21
118.5 - 119.5	\$0.00	\$0.00	0.00000	13.21
119.5 - 120.5	\$0.00	\$0.00	0.00000	13.21
120.5 - 121.5	\$0.00	\$0.00	0.00000	13.21
121.5 - 122.5	\$0.00	\$0.00	0.00000	13.21

DESC

Electric Division

353.00 353.00 and 362.00

Original And Smooth Survivor Curves



DESC
Electric Division
355.00 Poles and Fixtures
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1931 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
0.0 - 0.5	\$501,849,007.20	\$8,005.08	0.00002	100.00
0.5 - 1.5	\$466,751,173.39	\$120,077.11	0.00026	100.00
1.5 - 2.5	\$434,803,113.20	\$273,221.37	0.00063	99.97
2.5 - 3.5	\$404,153,726.06	\$208,376.09	0.00052	99.91
3.5 - 4.5	\$364,657,208.60	\$542,826.43	0.00149	99.86
4.5 - 5.5	\$308,753,257.06	\$556,058.33	0.00180	99.71
5.5 - 6.5	\$277,774,986.93	\$457,313.27	0.00165	99.53
6.5 - 7.5	\$258,611,220.64	\$368,091.77	0.00142	99.37
7.5 - 8.5	\$238,299,294.05	\$378,509.49	0.00159	99.22
8.5 - 9.5	\$225,609,958.70	\$276,225.63	0.00122	99.07
9.5 - 10.5	\$206,030,568.39	\$1,597,779.65	0.00776	98.95
10.5 - 11.5	\$199,585,400.89	\$245,429.71	0.00123	98.18
11.5 - 12.5	\$193,552,409.47	\$310,539.78	0.00160	98.06
12.5 - 13.5	\$189,848,392.99	\$443,047.64	0.00233	97.90
13.5 - 14.5	\$173,072,157.48	\$736,664.65	0.00426	97.67
14.5 - 15.5	\$153,942,296.89	\$493,606.15	0.00321	97.26
15.5 - 16.5	\$130,062,117.45	\$583,611.00	0.00449	96.94
16.5 - 17.5	\$128,344,521.32	\$701,209.51	0.00546	96.51
17.5 - 18.5	\$125,366,864.84	\$790,021.08	0.00630	95.98
18.5 - 19.5	\$116,397,813.87	\$577,191.06	0.00496	95.38
19.5 - 20.5	\$111,427,677.38	\$620,291.40	0.00557	94.90
20.5 - 21.5	\$106,731,595.35	\$586,659.41	0.00550	94.38
21.5 - 22.5	\$103,448,883.46	\$445,116.22	0.00430	93.86
22.5 - 23.5	\$94,261,328.57	\$518,533.46	0.00550	93.45
23.5 - 24.5	\$86,163,719.23	\$423,975.65	0.00492	92.94
24.5 - 25.5	\$81,462,132.47	\$692,928.02	0.00851	92.48
25.5 - 26.5	\$76,458,452.75	\$1,796,521.35	0.02350	91.70
26.5 - 27.5	\$63,856,137.91	\$1,417,028.05	0.02219	89.54
27.5 - 28.5	\$60,112,217.57	\$867,945.23	0.01444	87.55
28.5 - 29.5	\$52,709,025.32	\$1,525,180.07	0.02894	86.29
29.5 - 30.5	\$49,557,879.18	\$524,532.46	0.01058	83.79
30.5 - 31.5	\$42,641,472.78	\$455,781.08	0.01069	82.91
31.5 - 32.5	\$41,206,103.16	\$936,020.85	0.02272	82.02
32.5 - 33.5	\$37,979,548.60	\$270,405.00	0.00712	80.16
33.5 - 34.5	\$36,346,596.65	\$408,061.02	0.01123	79.59
34.5 - 35.5	\$32,913,125.15	\$287,207.42	0.00873	78.69
35.5 - 36.5	\$31,557,486.44	\$315,213.12	0.00999	78.01

DESC
Electric Division
355.00 Poles and Fixtures
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1931 TO 2018

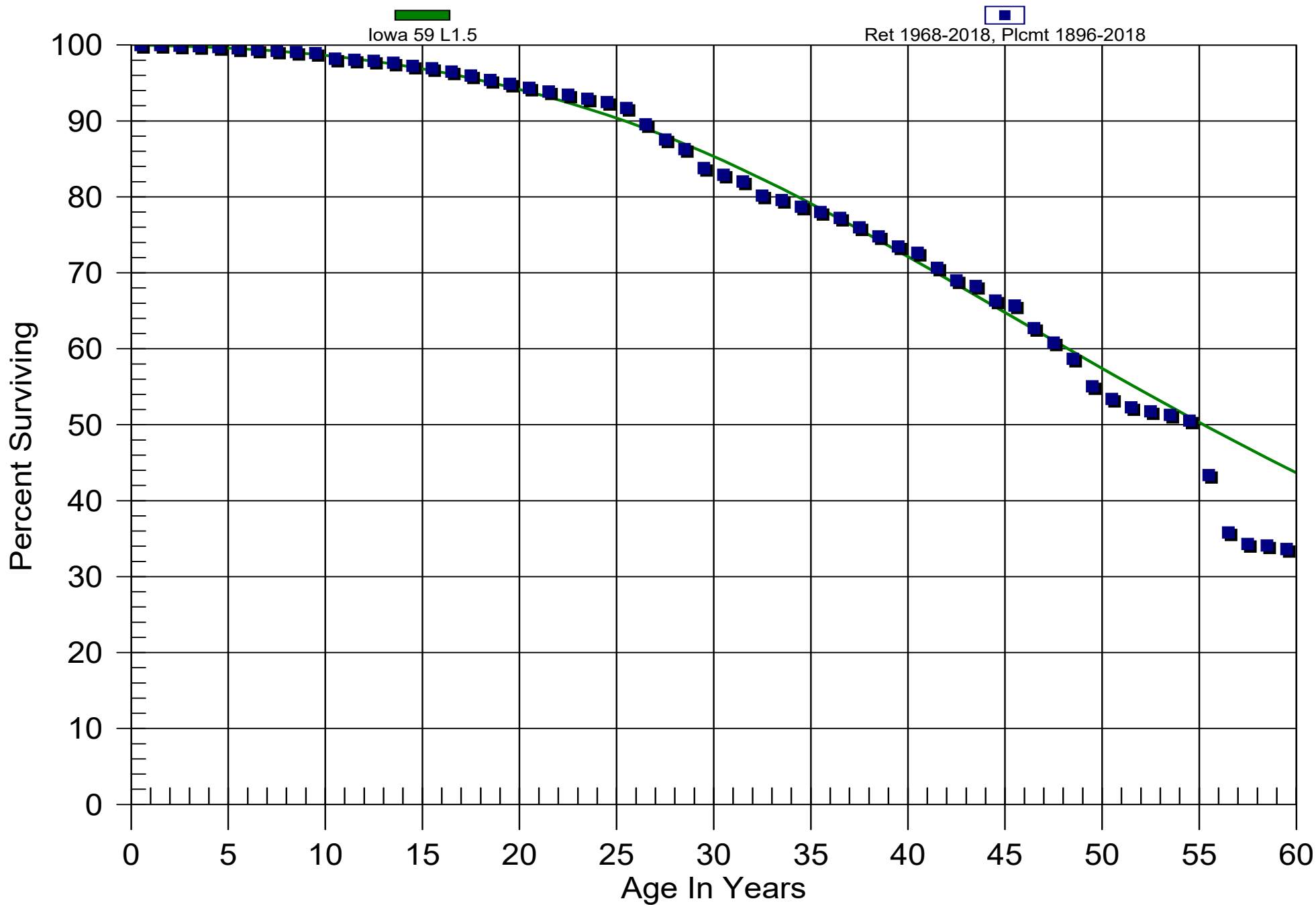
Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
36.5 - 37.5	\$28,897,139.67	\$462,897.11	0.01602	77.23
37.5 - 38.5	\$26,810,522.01	\$422,204.26	0.01575	75.99
38.5 - 39.5	\$24,507,682.15	\$431,522.98	0.01761	74.79
39.5 - 40.5	\$20,574,831.03	\$236,678.76	0.01150	73.48
40.5 - 41.5	\$15,068,427.87	\$405,325.62	0.02690	72.63
41.5 - 42.5	\$13,314,007.20	\$313,620.56	0.02356	70.68
42.5 - 43.5	\$11,746,027.89	\$127,649.08	0.01087	69.01
43.5 - 44.5	\$9,514,319.33	\$268,102.41	0.02818	68.26
44.5 - 45.5	\$7,749,848.22	\$76,079.03	0.00982	66.34
45.5 - 46.5	\$6,791,996.05	\$306,832.04	0.04518	65.69
46.5 - 47.5	\$5,876,472.47	\$179,677.32	0.03058	62.72
47.5 - 48.5	\$4,312,657.02	\$150,290.53	0.03485	60.80
48.5 - 49.5	\$3,707,729.60	\$228,964.87	0.06175	58.68
49.5 - 50.5	\$3,152,738.52	\$95,600.43	0.03032	55.06
50.5 - 51.5	\$2,065,608.03	\$42,260.90	0.02046	53.39
51.5 - 52.5	\$1,665,348.00	\$17,006.06	0.01021	52.30
52.5 - 53.5	\$1,587,505.32	\$14,635.35	0.00922	51.76
53.5 - 54.5	\$1,536,558.28	\$22,119.70	0.01440	51.29
54.5 - 55.5	\$1,268,993.85	\$180,115.56	0.14194	50.55
55.5 - 56.5	\$995,714.23	\$173,542.49	0.17429	43.37
56.5 - 57.5	\$773,251.94	\$32,974.62	0.04264	35.81
57.5 - 58.5	\$681,063.15	\$3,894.98	0.00572	34.29
58.5 - 59.5	\$643,046.91	\$8,566.66	0.01332	34.09
59.5 - 60.5	\$623,467.36	\$23,447.64	0.03761	33.64
60.5 - 61.5	\$564,433.73	\$23,706.25	0.04200	32.37
61.5 - 62.5	\$533,288.90	\$17,492.46	0.03280	31.01
62.5 - 63.5	\$473,991.04	\$6,203.19	0.01309	29.99
63.5 - 64.5	\$453,153.81	\$30,461.77	0.06722	29.60
64.5 - 65.5	\$378,525.54	\$1,530.99	0.00404	27.61
65.5 - 66.5	\$255,255.68	\$6,345.22	0.02486	27.50
66.5 - 67.5	\$226,473.19	\$0.00	0.00000	26.82
67.5 - 68.5	\$160,191.71	\$44,061.12	0.27505	26.82
68.5 - 69.5	\$114,228.02	\$0.00	0.00000	19.44
69.5 - 70.5	\$114,171.02	\$0.00	0.00000	19.44
70.5 - 71.5	\$101,055.21	\$0.00	0.00000	19.44
71.5 - 72.5	\$97,111.94	\$5,036.09	0.05186	19.44
72.5 - 73.5	\$91,636.85	\$0.00	0.00000	18.43

DESC
Electric Division
355.00 Poles and Fixtures
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1931 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
73.5 - 74.5	\$91,636.85	\$0.00	0.00000	18.43
74.5 - 75.5	\$91,579.85	\$1,252.96	0.01368	18.43
75.5 - 76.5	\$89,903.76	\$0.00	0.00000	18.18
76.5 - 77.5	\$87,467.57	\$0.00	0.00000	18.18
77.5 - 78.5	\$87,467.57	\$0.00	0.00000	18.18
78.5 - 79.5	\$87,467.57	\$0.00	0.00000	18.18
79.5 - 80.5	\$87,467.57	\$0.00	0.00000	18.18
80.5 - 81.5	\$18,479.40	\$0.00	0.00000	18.18
81.5 - 82.5	\$18,479.40	\$0.00	0.00000	18.18
82.5 - 83.5	\$18,479.40	\$0.00	0.00000	18.18
83.5 - 84.5	\$18,479.40	\$1,485.49	0.08039	18.18
84.5 - 85.5	\$16,993.91	\$4,790.69	0.28191	16.72
85.5 - 86.5	\$12,203.22	\$0.00	0.00000	12.01
86.5 - 87.5	\$12,203.22	\$3,146.55	0.25785	12.01

DESC

Electric Division
355.00 Poles and Fixtures
Original And Smooth Survivor Curves



DESC
Electric Division
356.10 356.10 and 356.20
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1928 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
0.0 - 0.5	\$287,616,086.99	\$41,112.46	0.00014	100.00
0.5 - 1.5	\$260,551,941.77	\$4,873.81	0.00002	99.99
1.5 - 2.5	\$252,387,853.65	\$93,883.43	0.00037	99.98
2.5 - 3.5	\$243,100,304.45	\$256,909.35	0.00106	99.95
3.5 - 4.5	\$217,387,399.00	\$327,609.20	0.00151	99.84
4.5 - 5.5	\$178,885,128.55	\$196,216.34	0.00110	99.69
5.5 - 6.5	\$173,412,854.30	\$278,353.95	0.00161	99.58
6.5 - 7.5	\$169,654,957.36	\$255,764.40	0.00151	99.42
7.5 - 8.5	\$160,889,895.94	\$346,906.10	0.00216	99.27
8.5 - 9.5	\$156,153,118.03	\$173,602.66	0.00111	99.06
9.5 - 10.5	\$151,422,742.35	\$878,108.55	0.00580	98.95
10.5 - 11.5	\$146,493,113.47	\$170,388.49	0.00116	98.37
11.5 - 12.5	\$141,744,590.92	\$64,140.04	0.00045	98.26
12.5 - 13.5	\$140,905,555.45	\$153,644.45	0.00109	98.21
13.5 - 14.5	\$138,289,225.30	\$389,385.04	0.00282	98.11
14.5 - 15.5	\$129,105,156.99	\$336,204.87	0.00260	97.83
15.5 - 16.5	\$114,004,186.62	\$509,474.46	0.00447	97.58
16.5 - 17.5	\$111,427,813.55	\$104,972.48	0.00094	97.14
17.5 - 18.5	\$109,217,838.39	\$313,776.03	0.00287	97.05
18.5 - 19.5	\$105,082,774.09	\$503,359.29	0.00479	96.77
19.5 - 20.5	\$99,427,928.18	\$231,632.12	0.00233	96.31
20.5 - 21.5	\$96,051,502.33	\$340,115.22	0.00354	96.08
21.5 - 22.5	\$91,703,621.59	\$269,659.49	0.00294	95.74
22.5 - 23.5	\$75,722,711.30	\$403,492.07	0.00533	95.46
23.5 - 24.5	\$68,230,646.86	\$806,255.61	0.01182	94.95
24.5 - 25.5	\$63,294,020.94	\$393,967.94	0.00622	93.83
25.5 - 26.5	\$60,248,328.63	\$1,874,952.24	0.03112	93.25
26.5 - 27.5	\$52,369,000.82	\$977,404.04	0.01866	90.34
27.5 - 28.5	\$49,126,148.56	\$448,310.58	0.00913	88.66
28.5 - 29.5	\$48,369,386.88	\$775,678.36	0.01604	87.85
29.5 - 30.5	\$46,342,450.88	\$652,570.45	0.01408	86.44
30.5 - 31.5	\$40,170,390.52	\$305,901.43	0.00762	85.22
31.5 - 32.5	\$38,853,280.65	\$178,994.34	0.00461	84.57
32.5 - 33.5	\$37,178,971.96	\$74,259.71	0.00200	84.18
33.5 - 34.5	\$36,618,335.66	\$108,794.44	0.00297	84.02
34.5 - 35.5	\$34,446,564.32	\$306,484.39	0.00890	83.77
35.5 - 36.5	\$33,840,359.45	\$161,487.28	0.00477	83.02

DESC
Electric Division
356.10 356.10 and 356.20
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1928 TO 2018

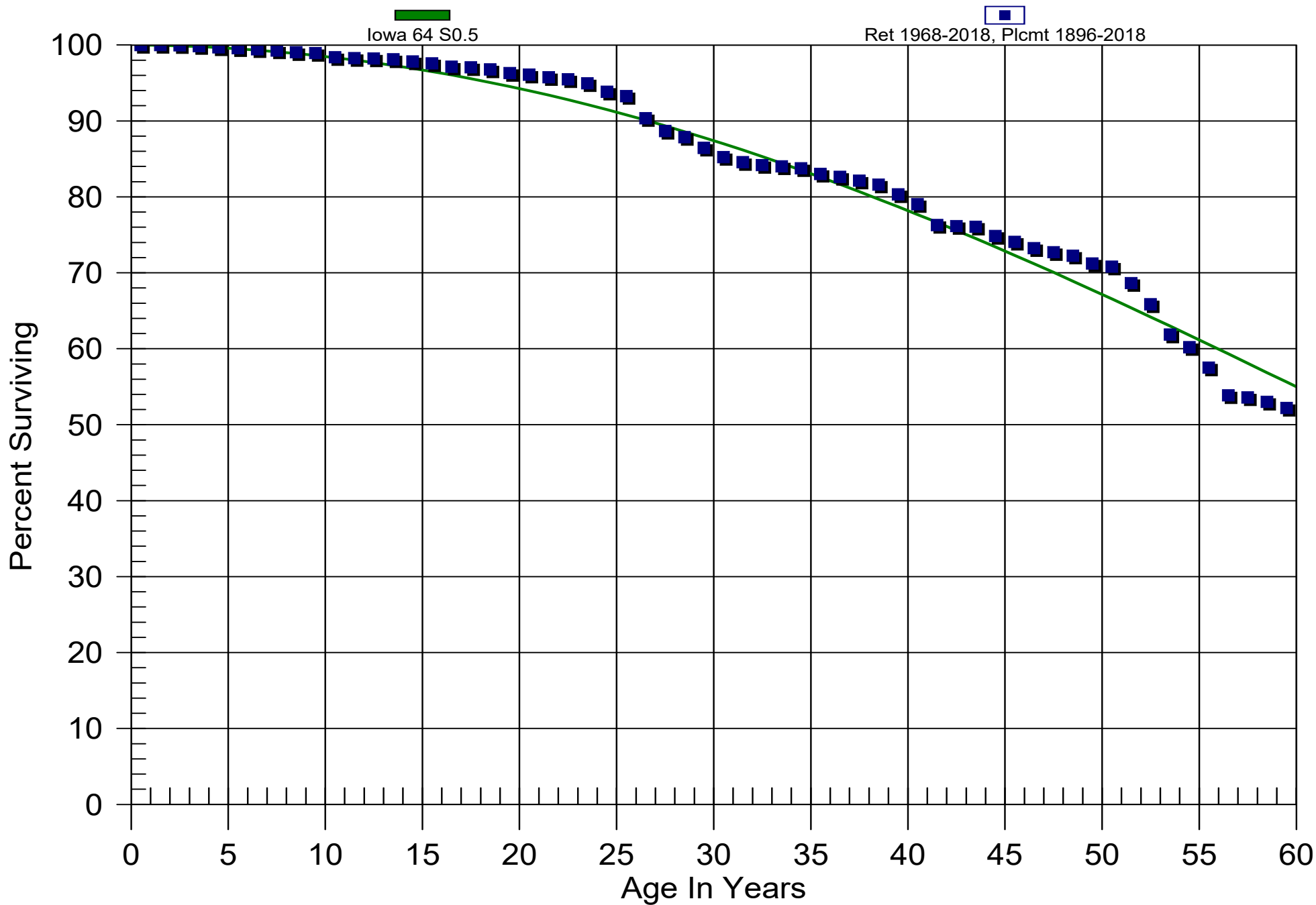
Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
36.5 - 37.5	\$32,306,014.47	\$189,633.00	0.00587	82.62
37.5 - 38.5	\$30,450,136.83	\$199,058.94	0.00654	82.14
38.5 - 39.5	\$27,921,306.08	\$439,928.06	0.01576	81.60
39.5 - 40.5	\$23,418,720.29	\$379,233.72	0.01619	80.32
40.5 - 41.5	\$19,192,231.24	\$663,938.35	0.03459	79.02
41.5 - 42.5	\$17,268,940.73	\$28,471.78	0.00165	76.28
42.5 - 43.5	\$16,703,158.14	\$20,583.29	0.00123	76.16
43.5 - 44.5	\$14,705,647.61	\$235,396.41	0.01601	76.06
44.5 - 45.5	\$13,144,306.19	\$138,054.13	0.01050	74.85
45.5 - 46.5	\$11,895,237.34	\$129,326.44	0.01087	74.06
46.5 - 47.5	\$10,691,771.00	\$78,160.95	0.00731	73.25
47.5 - 48.5	\$8,799,942.71	\$56,536.01	0.00642	72.72
48.5 - 49.5	\$7,296,651.47	\$104,063.42	0.01426	72.25
49.5 - 50.5	\$6,636,241.18	\$39,369.01	0.00593	71.22
50.5 - 51.5	\$5,117,045.31	\$155,536.40	0.03040	70.80
51.5 - 52.5	\$3,664,214.13	\$149,133.13	0.04070	68.65
52.5 - 53.5	\$2,973,088.03	\$179,695.72	0.06044	65.85
53.5 - 54.5	\$2,684,620.88	\$71,927.51	0.02679	61.87
54.5 - 55.5	\$2,577,800.35	\$115,130.34	0.04466	60.22
55.5 - 56.5	\$2,443,217.77	\$155,960.78	0.06383	57.53
56.5 - 57.5	\$2,212,649.06	\$10,560.37	0.00477	53.85
57.5 - 58.5	\$2,179,142.93	\$24,127.04	0.01107	53.60
58.5 - 59.5	\$1,975,019.29	\$30,365.51	0.01537	53.00
59.5 - 60.5	\$1,943,037.30	\$44,656.89	0.02298	52.19
60.5 - 61.5	\$1,647,656.64	\$4,648.44	0.00282	50.99
61.5 - 62.5	\$1,473,094.21	\$167,408.39	0.11364	50.84
62.5 - 63.5	\$1,288,637.93	\$0.00	0.00000	45.07
63.5 - 64.5	\$922,296.92	\$156,161.85	0.16932	45.07
64.5 - 65.5	\$578,559.68	\$34,028.81	0.05882	37.44
65.5 - 66.5	\$348,359.65	\$3,024.09	0.00868	35.23
66.5 - 67.5	\$345,335.56	\$89,273.10	0.25851	34.93
67.5 - 68.5	\$235,858.47	\$0.00	0.00000	25.90
68.5 - 69.5	\$231,949.48	\$0.00	0.00000	25.90
69.5 - 70.5	\$231,949.48	\$0.00	0.00000	25.90
70.5 - 71.5	\$231,949.48	\$7,646.40	0.03297	25.90
71.5 - 72.5	\$191,138.72	\$0.00	0.00000	25.05
72.5 - 73.5	\$191,138.72	\$49,219.02	0.25750	25.05

DESC
Electric Division
356.10 356.10 and 356.20
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1928 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
73.5 - 74.5	\$141,504.70	\$23,573.96	0.16659	18.60
74.5 - 75.5	\$117,930.74	\$121.28	0.00103	15.50
75.5 - 76.5	\$117,809.46	\$0.00	0.00000	15.48
76.5 - 77.5	\$113,445.18	\$55,119.63	0.48587	15.48
77.5 - 78.5	\$54,833.60	\$22,934.97	0.41826	7.96
78.5 - 79.5	\$31,898.63	\$0.00	0.00000	4.63
79.5 - 80.5	\$31,898.63	\$602.00	0.01887	4.63
80.5 - 81.5	\$31,296.63	\$23,822.14	0.76117	4.54
81.5 - 82.5	\$1,728.00	\$0.00	0.00000	1.09
82.5 - 83.5	\$1,728.00	\$0.00	0.00000	1.09
83.5 - 84.5	\$1,728.00	\$0.00	0.00000	1.09
84.5 - 85.5	\$1,728.00	\$0.00	0.00000	1.09
85.5 - 86.5	\$1,728.00	\$0.00	0.00000	1.09
86.5 - 87.5	\$1,728.00	\$1,700.16	0.98389	1.09
87.5 - 88.5	\$27.84	\$0.00	0.00000	0.02
88.5 - 89.5	\$27.84	\$0.00	0.00000	0.02
89.5 - 90.5	\$27.84	\$0.00	0.00000	0.02

DESC

Electric Division
356.10 356.10 and 356.20
Original And Smooth Survivor Curves



DESC
Electric Division
365.00 Overhead Conductors and Devices
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1937 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
0.0 - 0.5	\$592,440,377.57	\$126,876.58	0.00021	100.00
0.5 - 1.5	\$564,392,558.24	\$868,856.34	0.00154	99.98
1.5 - 2.5	\$544,916,075.13	\$1,286,133.97	0.00236	99.82
2.5 - 3.5	\$523,648,319.80	\$1,497,092.50	0.00286	99.59
3.5 - 4.5	\$500,960,865.93	\$1,933,388.14	0.00386	99.30
4.5 - 5.5	\$478,043,029.67	\$2,452,715.96	0.00513	98.92
5.5 - 6.5	\$442,960,137.87	\$2,339,257.54	0.00528	98.41
6.5 - 7.5	\$417,338,837.98	\$2,510,956.48	0.00602	97.89
7.5 - 8.5	\$393,814,331.87	\$1,752,743.24	0.00445	97.30
8.5 - 9.5	\$371,293,787.31	\$1,647,948.58	0.00444	96.87
9.5 - 10.5	\$347,424,350.20	\$1,631,712.26	0.00470	96.44
10.5 - 11.5	\$339,733,002.77	\$1,553,957.80	0.00457	95.99
11.5 - 12.5	\$314,272,109.21	\$1,477,247.91	0.00470	95.55
12.5 - 13.5	\$297,585,366.78	\$1,871,769.47	0.00629	95.10
13.5 - 14.5	\$283,912,703.04	\$1,543,754.20	0.00544	94.50
14.5 - 15.5	\$266,843,857.37	\$1,443,632.71	0.00541	93.99
15.5 - 16.5	\$251,158,693.14	\$1,571,676.86	0.00626	93.48
16.5 - 17.5	\$237,879,865.88	\$2,059,500.03	0.00866	92.90
17.5 - 18.5	\$229,437,054.20	\$1,193,329.38	0.00520	92.09
18.5 - 19.5	\$219,482,174.21	\$1,120,328.72	0.00510	91.61
19.5 - 20.5	\$208,933,982.74	\$1,091,020.43	0.00522	91.14
20.5 - 21.5	\$200,217,073.08	\$1,245,240.28	0.00622	90.67
21.5 - 22.5	\$191,130,765.49	\$1,313,933.82	0.00687	90.10
22.5 - 23.5	\$182,836,336.48	\$1,275,235.26	0.00697	89.49
23.5 - 24.5	\$174,074,856.54	\$1,371,778.06	0.00788	88.86
24.5 - 25.5	\$164,083,857.05	\$1,382,168.48	0.00842	88.16
25.5 - 26.5	\$150,074,370.98	\$1,137,330.82	0.00758	87.42
26.5 - 27.5	\$133,136,914.93	\$843,947.34	0.00634	86.76
27.5 - 28.5	\$120,134,935.30	\$768,999.47	0.00640	86.21
28.5 - 29.5	\$104,017,123.02	\$691,699.89	0.00665	85.65
29.5 - 30.5	\$94,198,910.13	\$672,766.14	0.00714	85.08
30.5 - 31.5	\$82,107,471.23	\$637,347.98	0.00776	84.48
31.5 - 32.5	\$72,170,700.21	\$555,895.01	0.00770	83.82
32.5 - 33.5	\$66,361,726.64	\$529,062.75	0.00797	83.18
33.5 - 34.5	\$60,844,963.66	\$533,482.24	0.00877	82.51
34.5 - 35.5	\$55,277,865.85	\$584,992.52	0.01058	81.79
35.5 - 36.5	\$51,195,982.65	\$615,567.39	0.01202	80.92

DESC
Electric Division
365.00 Overhead Conductors and Devices
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1937 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
36.5 - 37.5	\$47,355,277.69	\$492,665.08	0.01040	79.95
37.5 - 38.5	\$43,896,991.71	\$457,490.17	0.01042	79.12
38.5 - 39.5	\$40,595,454.93	\$448,695.18	0.01105	78.29
39.5 - 40.5	\$37,051,611.54	\$402,150.45	0.01085	77.43
40.5 - 41.5	\$34,132,507.18	\$380,008.10	0.01113	76.59
41.5 - 42.5	\$31,525,961.06	\$349,550.19	0.01109	75.74
42.5 - 43.5	\$29,554,130.67	\$344,569.54	0.01166	74.90
43.5 - 44.5	\$27,166,043.07	\$348,589.38	0.01283	74.02
44.5 - 45.5	\$24,683,234.24	\$317,994.63	0.01288	73.07
45.5 - 46.5	\$22,154,672.35	\$284,812.04	0.01286	72.13
46.5 - 47.5	\$20,045,035.78	\$269,546.16	0.01345	71.20
47.5 - 48.5	\$17,740,348.65	\$251,691.54	0.01419	70.25
48.5 - 49.5	\$15,335,874.52	\$220,912.87	0.01440	69.25
49.5 - 50.5	\$13,151,032.56	\$201,789.19	0.01534	68.25
50.5 - 51.5	\$11,480,102.33	\$192,762.97	0.01679	67.20
51.5 - 52.5	\$10,001,921.45	\$184,246.21	0.01842	66.08
52.5 - 53.5	\$8,855,294.64	\$172,553.66	0.01949	64.86
53.5 - 54.5	\$8,029,820.22	\$178,686.11	0.02225	63.60
54.5 - 55.5	\$7,348,214.17	\$147,145.49	0.02002	62.18
55.5 - 56.5	\$6,690,953.64	\$156,910.60	0.02345	60.94
56.5 - 57.5	\$6,005,267.14	\$131,099.97	0.02183	59.51
57.5 - 58.5	\$5,339,704.55	\$117,555.24	0.02202	58.21
58.5 - 59.5	\$4,733,089.64	\$125,620.02	0.02654	56.93
59.5 - 60.5	\$4,177,582.14	\$95,578.21	0.02288	55.41
60.5 - 61.5	\$3,663,345.37	\$83,514.63	0.02280	54.15
61.5 - 62.5	\$3,185,657.31	\$104,858.05	0.03292	52.91
62.5 - 63.5	\$2,696,029.42	\$94,343.66	0.03499	51.17
63.5 - 64.5	\$2,179,446.02	\$58,289.11	0.02674	49.38
64.5 - 65.5	\$1,791,533.60	\$45,905.38	0.02562	48.06
65.5 - 66.5	\$1,451,798.11	\$38,092.82	0.02624	46.83
66.5 - 67.5	\$1,123,465.54	\$34,575.61	0.03078	45.60
67.5 - 68.5	\$859,276.82	\$26,243.19	0.03054	44.20
68.5 - 69.5	\$688,573.68	\$21,606.46	0.03138	42.85
69.5 - 70.5	\$524,576.37	\$17,630.87	0.03361	41.50
70.5 - 71.5	\$386,918.01	\$14,835.27	0.03834	40.11
71.5 - 72.5	\$273,376.77	\$13,359.90	0.04887	38.57
72.5 - 73.5	\$195,928.01	\$10,821.75	0.05523	36.68

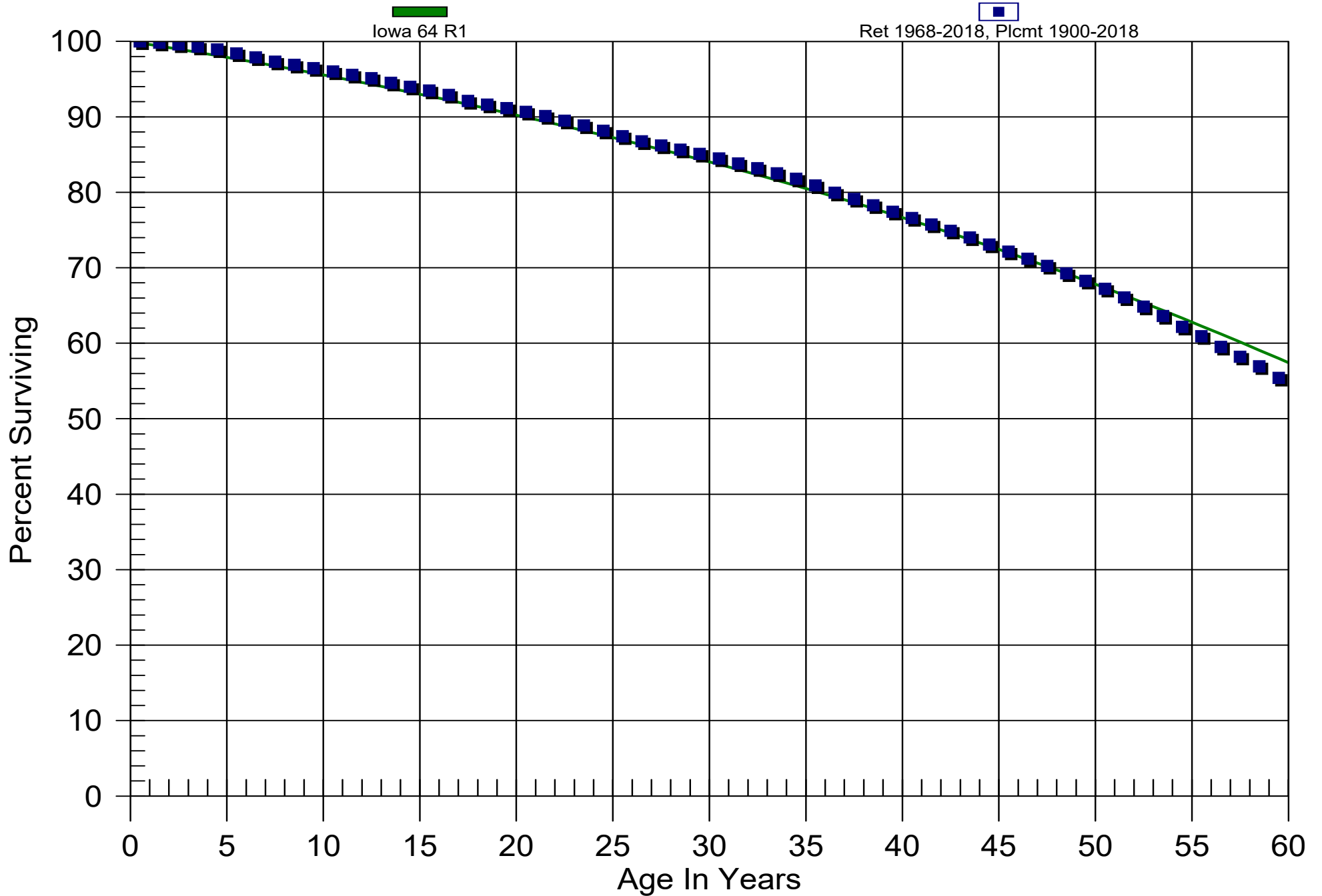
DESC
Electric Division
365.00 Overhead Conductors and Devices

Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1937 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
73.5 - 74.5	\$156,806.03	\$7,822.52	0.04989	34.66
74.5 - 75.5	\$140,527.27	\$8,246.35	0.05868	32.93
75.5 - 76.5	\$127,865.71	\$6,672.14	0.05218	31.00
76.5 - 77.5	\$113,581.86	\$6,114.61	0.05383	29.38
77.5 - 78.5	\$91,760.50	\$4,615.79	0.05030	27.80
78.5 - 79.5	\$75,286.39	\$3,197.88	0.04248	26.40
79.5 - 80.5	\$63,815.12	\$2,461.77	0.03858	25.28
80.5 - 81.5	\$54,692.68	\$1,803.33	0.03297	24.30

DESC

Electric Division 365.00 Overhead Conductors and Devices Original And Smooth Survivor Curves



DESC
Electric Division
367.00 Underground Conductors and Devices

Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1931 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
0.0 - 0.5	\$541,508,805.12	\$110,647.99	0.00020	100.00
0.5 - 1.5	\$515,060,796.70	\$760,176.65	0.00148	99.98
1.5 - 2.5	\$487,666,149.04	\$201,920.28	0.00041	99.83
2.5 - 3.5	\$465,903,384.65	\$477,320.71	0.00102	99.79
3.5 - 4.5	\$440,939,187.36	\$551,187.06	0.00125	99.69
4.5 - 5.5	\$423,442,641.09	\$828,065.54	0.00196	99.56
5.5 - 6.5	\$392,263,055.07	\$656,860.07	0.00167	99.37
6.5 - 7.5	\$369,712,714.67	\$1,279,677.24	0.00346	99.20
7.5 - 8.5	\$352,274,330.75	\$1,137,766.24	0.00323	98.86
8.5 - 9.5	\$335,906,075.26	\$2,465,482.05	0.00734	98.54
9.5 - 10.5	\$313,552,701.80	\$1,420,905.11	0.00453	97.82
10.5 - 11.5	\$298,332,433.02	\$1,865,322.93	0.00625	97.37
11.5 - 12.5	\$266,706,690.69	\$2,582,286.49	0.00968	96.76
12.5 - 13.5	\$248,245,468.57	\$2,208,854.99	0.00890	95.83
13.5 - 14.5	\$234,791,450.86	\$1,662,424.21	0.00708	94.98
14.5 - 15.5	\$214,834,990.99	\$1,446,358.44	0.00673	94.30
15.5 - 16.5	\$195,153,207.86	\$1,334,957.65	0.00684	93.67
16.5 - 17.5	\$175,089,085.63	\$1,264,174.64	0.00722	93.03
17.5 - 18.5	\$161,239,953.34	\$1,157,716.95	0.00718	92.36
18.5 - 19.5	\$143,304,462.24	\$1,388,488.76	0.00969	91.69
19.5 - 20.5	\$129,574,145.31	\$1,120,180.74	0.00865	90.80
20.5 - 21.5	\$121,661,767.21	\$1,059,383.62	0.00871	90.02
21.5 - 22.5	\$113,004,908.95	\$1,012,295.80	0.00896	89.23
22.5 - 23.5	\$104,815,928.69	\$1,020,987.40	0.00974	88.44
23.5 - 24.5	\$95,957,139.53	\$954,988.20	0.00995	87.57
24.5 - 25.5	\$88,245,842.58	\$933,543.81	0.01058	86.70
25.5 - 26.5	\$79,728,253.60	\$813,330.47	0.01020	85.79
26.5 - 27.5	\$68,666,807.58	\$848,221.12	0.01235	84.91
27.5 - 28.5	\$60,422,143.18	\$831,570.56	0.01376	83.86
28.5 - 29.5	\$56,053,872.98	\$799,487.06	0.01426	82.71
29.5 - 30.5	\$49,333,765.09	\$758,874.81	0.01538	81.53
30.5 - 31.5	\$41,838,070.70	\$718,227.09	0.01717	80.27
31.5 - 32.5	\$35,038,321.65	\$642,601.86	0.01834	78.90
32.5 - 33.5	\$28,746,393.51	\$560,440.53	0.01950	77.45
33.5 - 34.5	\$23,252,907.71	\$504,652.71	0.02170	75.94
34.5 - 35.5	\$19,417,496.26	\$479,144.77	0.02468	74.29
35.5 - 36.5	\$16,516,540.75	\$413,305.98	0.02502	72.46

DESC
Electric Division
367.00 Underground Conductors and Devices

Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1931 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
36.5 - 37.5	\$14,334,897.62	\$411,776.33	0.02873	70.64
37.5 - 38.5	\$11,909,159.15	\$343,934.53	0.02888	68.61
38.5 - 39.5	\$10,168,562.95	\$306,749.08	0.03017	66.63
39.5 - 40.5	\$8,306,406.07	\$250,864.61	0.03020	64.62
40.5 - 41.5	\$6,868,102.84	\$225,288.66	0.03280	62.67
41.5 - 42.5	\$5,451,958.57	\$199,939.19	0.03667	60.62
42.5 - 43.5	\$4,537,450.17	\$159,454.56	0.03514	58.39
43.5 - 44.5	\$3,735,934.46	\$126,875.39	0.03396	56.34
44.5 - 45.5	\$2,874,822.05	\$113,209.46	0.03938	54.43
45.5 - 46.5	\$2,275,645.58	\$53,427.13	0.02348	52.28
46.5 - 47.5	\$1,805,386.96	\$58,919.28	0.03264	51.06
47.5 - 48.5	\$1,493,696.71	\$33,187.59	0.02222	49.39
48.5 - 49.5	\$1,256,679.07	\$22,116.54	0.01760	48.29
49.5 - 50.5	\$827,208.45	\$13,454.83	0.01627	47.44
50.5 - 51.5	\$748,181.32	\$8,773.42	0.01173	46.67
51.5 - 52.5	\$715,304.11	\$5,974.45	0.00835	46.12
52.5 - 53.5	\$693,392.88	\$2,651.96	0.00382	45.74
53.5 - 54.5	\$661,780.34	\$2,479.97	0.00375	45.56
54.5 - 55.5	\$637,786.04	\$1,332.25	0.00209	45.39
55.5 - 56.5	\$631,798.70	\$1,118.67	0.00177	45.30
56.5 - 57.5	\$628,938.66	\$626.44	0.00100	45.22
57.5 - 58.5	\$587,010.95	\$445.51	0.00076	45.17
58.5 - 59.5	\$480,340.43	\$287.33	0.00060	45.14
59.5 - 60.5	\$446,328.87	\$216.45	0.00048	45.11
60.5 - 61.5	\$426,020.15	\$212.56	0.00050	45.09
61.5 - 62.5	\$380,842.94	\$117.27	0.00031	45.07
62.5 - 63.5	\$346,753.14	\$113.02	0.00033	45.05
63.5 - 64.5	\$260,061.36	\$149.91	0.00058	45.04
64.5 - 65.5	\$188,673.62	\$39.64	0.00021	45.01
65.5 - 66.5	\$125,025.38	\$127.67	0.00102	45.00
66.5 - 67.5	\$88,731.82	\$8.30	0.00009	44.96
67.5 - 68.5	\$66,241.90	\$8.30	0.00013	44.95
68.5 - 69.5	\$29,108.15	\$0.00	0.00000	44.95
69.5 - 70.5	\$23,378.31	\$0.00	0.00000	44.95
70.5 - 71.5	\$10,093.56	\$0.00	0.00000	44.95
71.5 - 72.5	\$8,190.93	\$0.00	0.00000	44.95
72.5 - 73.5	\$8,190.93	\$0.00	0.00000	44.95

DESC
Electric Division
367.00 Underground Conductors and Devices

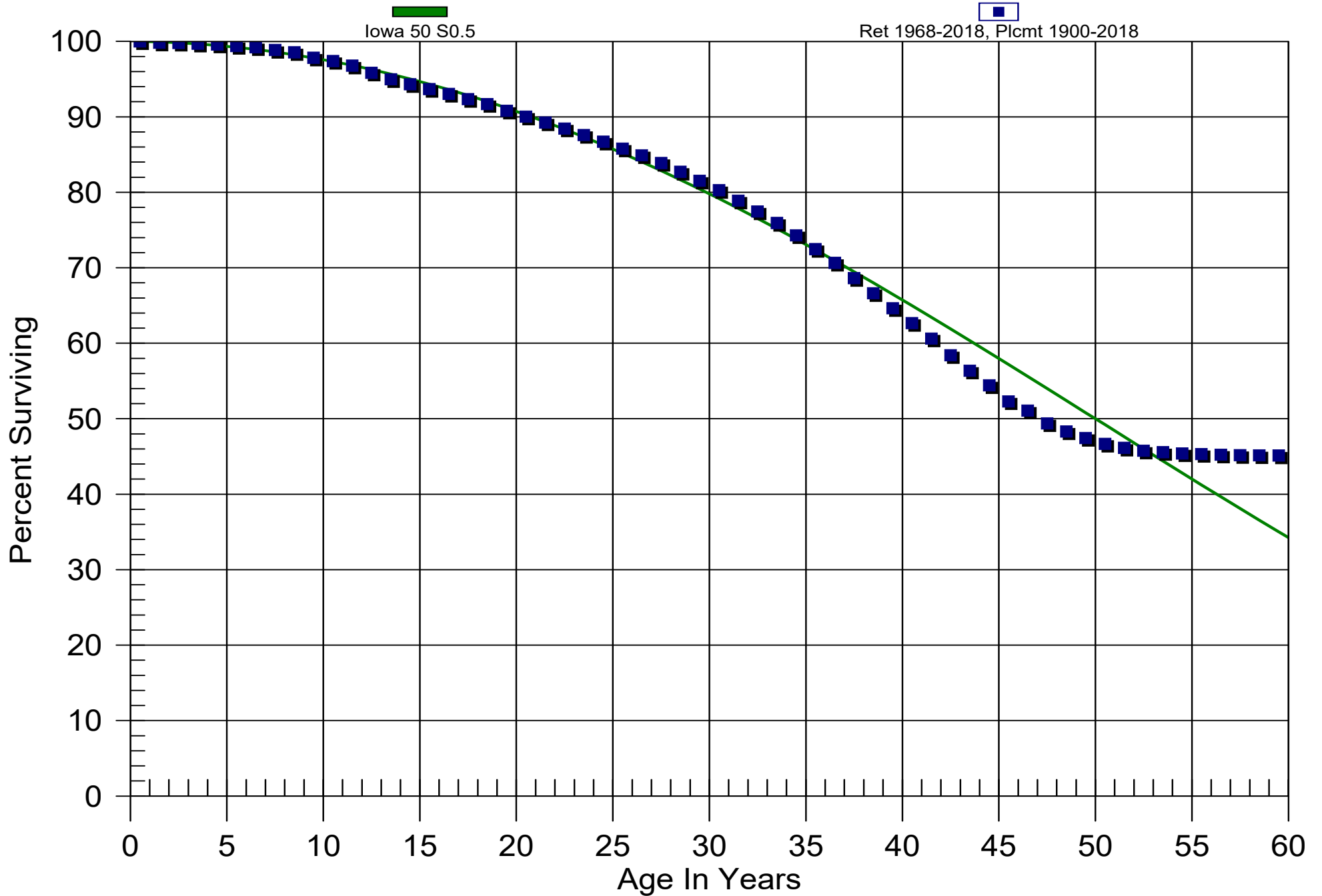
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1931 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
73.5 - 74.5	\$6,711.61	\$0.00	0.00000	44.95
74.5 - 75.5	\$6,711.61	\$0.00	0.00000	44.95
75.5 - 76.5	\$6,273.67	\$0.00	0.00000	44.95
76.5 - 77.5	\$5,837.68	\$0.00	0.00000	44.95
77.5 - 78.5	\$4,139.71	\$0.00	0.00000	44.95
78.5 - 79.5	\$855.13	\$0.00	0.00000	44.95
79.5 - 80.5	\$855.13	\$0.00	0.00000	44.95
80.5 - 81.5	\$855.13	\$0.00	0.00000	44.95
81.5 - 82.5	\$855.13	\$0.00	0.00000	44.95
82.5 - 83.5	\$855.13	\$0.00	0.00000	44.95
83.5 - 84.5	\$428.10	\$0.00	0.00000	44.95
84.5 - 85.5	\$428.10	\$0.00	0.00000	44.95
85.5 - 86.5	\$428.10	\$0.00	0.00000	44.95
86.5 - 87.5	\$428.10	\$0.00	0.00000	44.95

DESC

Electric Division

367.00 Underground Conductors and Devices Original And Smooth Survivor Curves



DESC
Electric Division
368.00 Line Transformers
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1900 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
0.0 - 0.5	\$559,052,610.92	\$40,126.42	0.00007	100.00
0.5 - 1.5	\$545,766,608.46	\$618,185.47	0.00113	99.99
1.5 - 2.5	\$531,003,342.16	\$734,048.46	0.00138	99.88
2.5 - 3.5	\$515,644,517.88	\$901,705.63	0.00175	99.74
3.5 - 4.5	\$499,682,187.49	\$860,907.90	0.00172	99.57
4.5 - 5.5	\$484,856,800.73	\$821,997.98	0.00170	99.40
5.5 - 6.5	\$454,919,417.65	\$1,153,640.02	0.00254	99.23
6.5 - 7.5	\$436,857,543.73	\$1,020,906.55	0.00234	98.98
7.5 - 8.5	\$420,658,139.82	\$1,434,970.92	0.00341	98.74
8.5 - 9.5	\$403,859,873.49	\$1,110,808.19	0.00275	98.41
9.5 - 10.5	\$386,046,564.42	\$1,462,907.06	0.00379	98.14
10.5 - 11.5	\$366,015,390.56	\$1,375,996.94	0.00376	97.76
11.5 - 12.5	\$363,067,677.07	\$1,550,132.79	0.00427	97.40
12.5 - 13.5	\$320,625,288.43	\$1,497,510.33	0.00467	96.98
13.5 - 14.5	\$301,996,936.35	\$1,538,643.55	0.00509	96.53
14.5 - 15.5	\$285,728,496.10	\$1,719,222.01	0.00602	96.04
15.5 - 16.5	\$270,524,348.73	\$1,439,381.85	0.00532	95.46
16.5 - 17.5	\$257,414,621.27	\$1,567,093.19	0.00609	94.95
17.5 - 18.5	\$243,825,006.62	\$1,831,658.21	0.00751	94.37
18.5 - 19.5	\$229,771,697.13	\$1,602,205.68	0.00697	93.66
19.5 - 20.5	\$217,457,014.22	\$1,690,522.90	0.00777	93.01
20.5 - 21.5	\$206,579,341.86	\$1,646,765.47	0.00797	92.29
21.5 - 22.5	\$195,022,708.05	\$1,700,390.59	0.00872	91.55
22.5 - 23.5	\$182,755,067.33	\$1,820,282.41	0.00996	90.75
23.5 - 24.5	\$172,996,524.40	\$1,899,030.15	0.01098	89.85
24.5 - 25.5	\$161,308,511.92	\$1,913,928.84	0.01187	88.86
25.5 - 26.5	\$149,905,000.40	\$1,819,602.38	0.01214	87.81
26.5 - 27.5	\$140,065,133.75	\$1,861,727.95	0.01329	86.74
27.5 - 28.5	\$129,066,004.28	\$1,876,984.31	0.01454	85.59
28.5 - 29.5	\$113,221,748.60	\$1,723,262.52	0.01522	84.35
29.5 - 30.5	\$105,217,687.24	\$1,645,714.87	0.01564	83.06
30.5 - 31.5	\$97,458,579.82	\$1,676,309.94	0.01720	81.76
31.5 - 32.5	\$87,005,251.00	\$1,465,588.92	0.01684	80.36
32.5 - 33.5	\$78,412,461.04	\$1,382,605.10	0.01763	79.00
33.5 - 34.5	\$71,259,550.20	\$1,320,435.24	0.01853	77.61
34.5 - 35.5	\$64,526,300.80	\$1,277,556.45	0.01980	76.17
35.5 - 36.5	\$59,239,908.32	\$1,278,344.51	0.02158	74.66

DESC
Electric Division
368.00 Line Transformers
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1900 TO 2018

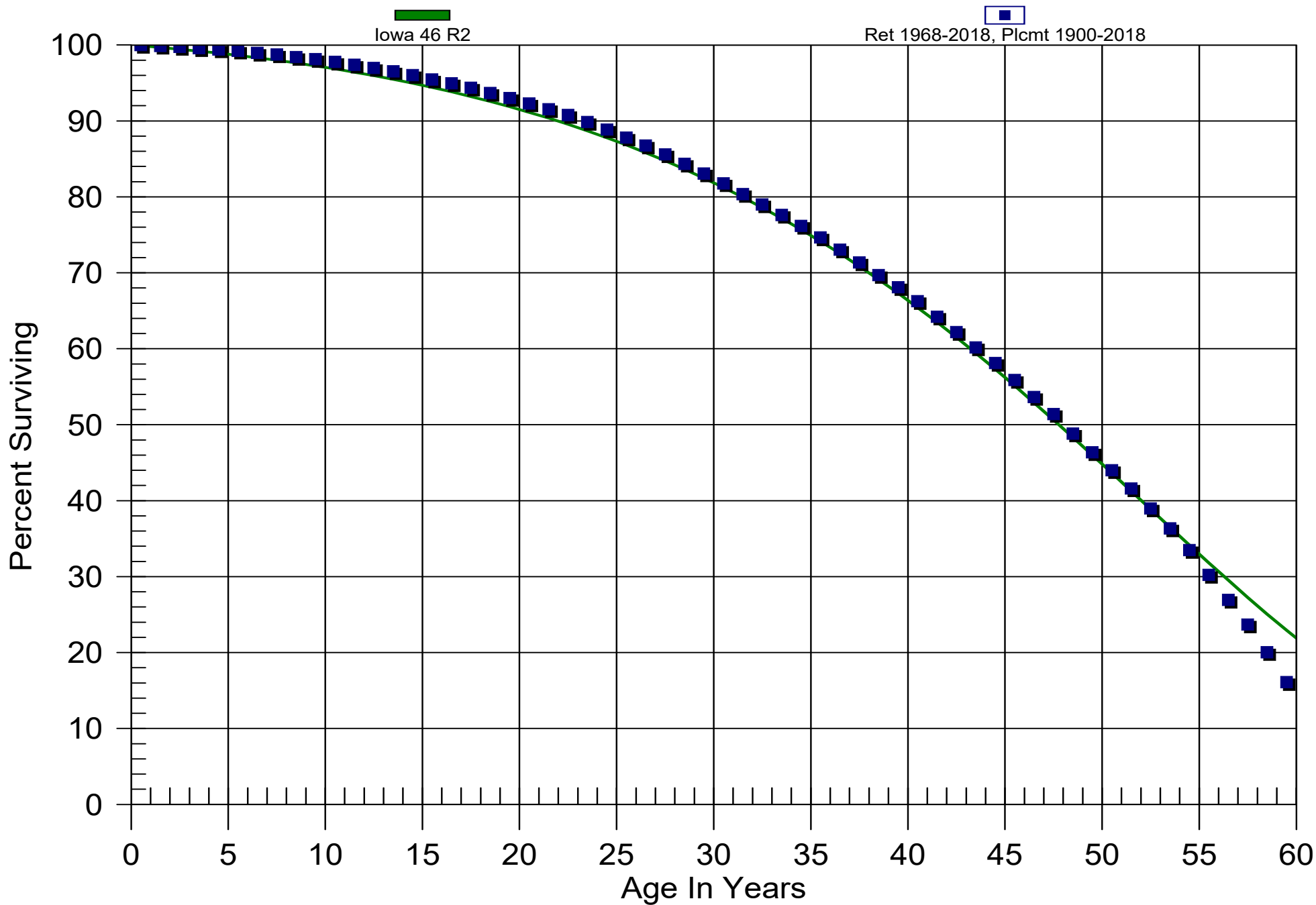
Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
36.5 - 37.5	\$54,607,975.93	\$1,261,174.00	0.02310	73.05
37.5 - 38.5	\$50,410,152.04	\$1,187,086.19	0.02355	71.37
38.5 - 39.5	\$46,806,505.91	\$1,074,593.04	0.02296	69.68
39.5 - 40.5	\$42,713,332.74	\$1,137,681.88	0.02664	68.08
40.5 - 41.5	\$38,381,869.25	\$1,192,064.28	0.03106	66.27
41.5 - 42.5	\$34,813,307.71	\$1,099,885.10	0.03159	64.21
42.5 - 43.5	\$31,720,911.17	\$1,019,707.53	0.03215	62.18
43.5 - 44.5	\$28,885,017.23	\$993,750.59	0.03440	60.19
44.5 - 45.5	\$25,884,684.66	\$988,209.23	0.03818	58.11
45.5 - 46.5	\$21,982,491.38	\$887,228.72	0.04036	55.90
46.5 - 47.5	\$18,860,130.51	\$792,223.60	0.04201	53.64
47.5 - 48.5	\$16,022,218.21	\$798,137.58	0.04981	51.39
48.5 - 49.5	\$13,137,086.37	\$661,781.84	0.05038	48.83
49.5 - 50.5	\$10,487,177.82	\$536,350.90	0.05114	46.37
50.5 - 51.5	\$8,073,439.80	\$441,469.22	0.05468	44.00
51.5 - 52.5	\$6,222,182.17	\$392,710.41	0.06311	41.59
52.5 - 53.5	\$4,649,780.84	\$313,734.83	0.06747	38.97
53.5 - 54.5	\$3,746,776.33	\$295,342.27	0.07883	36.34
54.5 - 55.5	\$3,246,150.13	\$314,340.12	0.09683	33.47
55.5 - 56.5	\$2,723,330.31	\$297,609.36	0.10928	30.23
56.5 - 57.5	\$2,281,342.48	\$275,719.07	0.12086	26.93
57.5 - 58.5	\$1,780,442.18	\$273,084.64	0.15338	23.67
58.5 - 59.5	\$1,385,687.76	\$271,750.11	0.19611	20.04
59.5 - 60.5	\$1,005,142.86	\$230,217.26	0.22904	16.11
60.5 - 61.5	\$732,576.90	\$176,975.56	0.24158	12.42
61.5 - 62.5	\$500,404.18	\$139,462.00	0.27870	9.42
62.5 - 63.5	\$300,039.68	\$103,751.82	0.34579	6.80
63.5 - 64.5	\$175,289.26	\$54,079.62	0.30852	4.45
64.5 - 65.5	\$103,820.87	\$24,024.52	0.23140	3.07
65.5 - 66.5	\$70,872.19	\$11,578.35	0.16337	2.36
66.5 - 67.5	\$53,087.27	\$7,790.31	0.14675	1.98
67.5 - 68.5	\$37,120.55	\$6,949.35	0.18721	1.69
68.5 - 69.5	\$25,587.18	\$6,361.58	0.24862	1.37
69.5 - 70.5	\$17,777.69	\$1,717.00	0.09658	1.03
70.5 - 71.5	\$14,932.77	\$2,709.98	0.18148	0.93
71.5 - 72.5	\$10,507.82	\$3,337.64	0.31763	0.76
72.5 - 73.5	\$5,824.00	\$810.00	0.13908	0.52

DESC
Electric Division
368.00 Line Transformers
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1900 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
73.5 - 74.5	\$5,014.00	\$495.00	0.09872	0.45
74.5 - 75.5	\$4,519.00	\$921.00	0.20381	0.40
75.5 - 76.5	\$3,598.00	\$168.00	0.04669	0.32
76.5 - 77.5	\$3,430.00	\$84.00	0.02449	0.31
77.5 - 78.5	\$3,346.00	\$886.00	0.26479	0.30
78.5 - 79.5	\$2,460.00	\$303.00	0.12317	0.22
79.5 - 80.5	\$2,157.00	\$344.00	0.15948	0.19
80.5 - 81.5	\$1,813.00	\$46.00	0.02537	0.16
81.5 - 82.5	\$1,767.00	\$0.00	0.00000	0.16
82.5 - 83.5	\$1,767.00	\$17.00	0.00962	0.16
83.5 - 84.5	\$1,750.00	\$0.00	0.00000	0.16
84.5 - 85.5	\$1,750.00	\$121.00	0.06914	0.16
85.5 - 86.5	\$1,629.00	\$0.00	0.00000	0.15
86.5 - 87.5	\$1,629.00	\$0.00	0.00000	0.15
87.5 - 88.5	\$1,629.00	\$0.00	0.00000	0.15
88.5 - 89.5	\$1,629.00	\$0.00	0.00000	0.15
89.5 - 90.5	\$1,629.00	\$0.00	0.00000	0.15
90.5 - 91.5	\$1,629.00	\$0.00	0.00000	0.15
91.5 - 92.5	\$1,629.00	\$0.00	0.00000	0.15
92.5 - 93.5	\$1,629.00	\$0.00	0.00000	0.15
93.5 - 94.5	\$1,629.00	\$0.00	0.00000	0.15
94.5 - 95.5	\$1,629.00	\$1,620.00	0.99448	0.15
95.5 - 96.5	\$9.00	\$0.00	0.00000	0.00
96.5 - 97.5	\$9.00	\$0.00	0.00000	0.00
97.5 - 98.5	\$9.00	\$0.00	0.00000	0.00
98.5 - 99.5	\$9.00	\$0.00	0.00000	0.00

DESC

Electric Division
368.00 Line Transformers
Original And Smooth Survivor Curves



DESC
Electric Division
369.00 Services - Overhead
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1937 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
0.0 - 0.5	\$112,868,523.56	\$252.42	0.00000	100.00
0.5 - 1.5	\$109,959,819.22	\$2,168.73	0.00002	100.00
1.5 - 2.5	\$107,865,534.12	\$9,296.94	0.00009	100.00
2.5 - 3.5	\$106,126,304.92	\$15,958.17	0.00015	99.99
3.5 - 4.5	\$104,084,734.44	\$22,456.28	0.00022	99.97
4.5 - 5.5	\$102,049,918.90	\$49,990.50	0.00049	99.95
5.5 - 6.5	\$96,698,188.31	\$41,337.88	0.00043	99.90
6.5 - 7.5	\$94,333,749.45	\$69,962.79	0.00074	99.86
7.5 - 8.5	\$91,686,570.08	\$68,946.00	0.00075	99.79
8.5 - 9.5	\$89,400,683.25	\$82,378.65	0.00092	99.71
9.5 - 10.5	\$87,009,867.92	\$84,886.38	0.00098	99.62
10.5 - 11.5	\$85,042,568.59	\$99,216.79	0.00117	99.52
11.5 - 12.5	\$85,087,425.24	\$76,474.04	0.00090	99.41
12.5 - 13.5	\$79,821,120.69	\$93,625.97	0.00117	99.32
13.5 - 14.5	\$77,487,272.91	\$92,259.71	0.00119	99.20
14.5 - 15.5	\$76,175,045.34	\$83,646.77	0.00110	99.08
15.5 - 16.5	\$73,868,814.61	\$86,248.27	0.00117	98.97
16.5 - 17.5	\$70,889,472.11	\$69,691.67	0.00098	98.86
17.5 - 18.5	\$68,740,875.31	\$77,733.17	0.00113	98.76
18.5 - 19.5	\$66,166,104.40	\$92,742.11	0.00140	98.65
19.5 - 20.5	\$63,489,664.46	\$82,962.74	0.00131	98.51
20.5 - 21.5	\$60,686,661.31	\$88,778.82	0.00146	98.38
21.5 - 22.5	\$57,848,154.85	\$87,326.03	0.00151	98.24
22.5 - 23.5	\$55,012,354.93	\$107,161.34	0.00195	98.09
23.5 - 24.5	\$52,097,634.51	\$95,889.87	0.00184	97.90
24.5 - 25.5	\$49,424,150.27	\$96,330.28	0.00195	97.72
25.5 - 26.5	\$47,010,940.10	\$98,577.79	0.00210	97.53
26.5 - 27.5	\$44,520,733.72	\$100,973.24	0.00227	97.32
27.5 - 28.5	\$42,082,645.47	\$93,711.28	0.00223	97.10
28.5 - 29.5	\$38,284,141.12	\$92,916.10	0.00243	96.89
29.5 - 30.5	\$35,603,265.77	\$91,037.33	0.00256	96.65
30.5 - 31.5	\$33,009,366.23	\$87,844.57	0.00266	96.40
31.5 - 32.5	\$30,302,282.65	\$86,345.67	0.00285	96.15
32.5 - 33.5	\$27,993,292.39	\$83,949.22	0.00300	95.87
33.5 - 34.5	\$25,743,624.85	\$76,828.14	0.00298	95.59
34.5 - 35.5	\$23,707,063.84	\$78,149.71	0.00330	95.30
35.5 - 36.5	\$21,819,409.07	\$73,524.64	0.00337	94.99

DESC
Electric Division
369.00 Services - Overhead
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1937 TO 2018

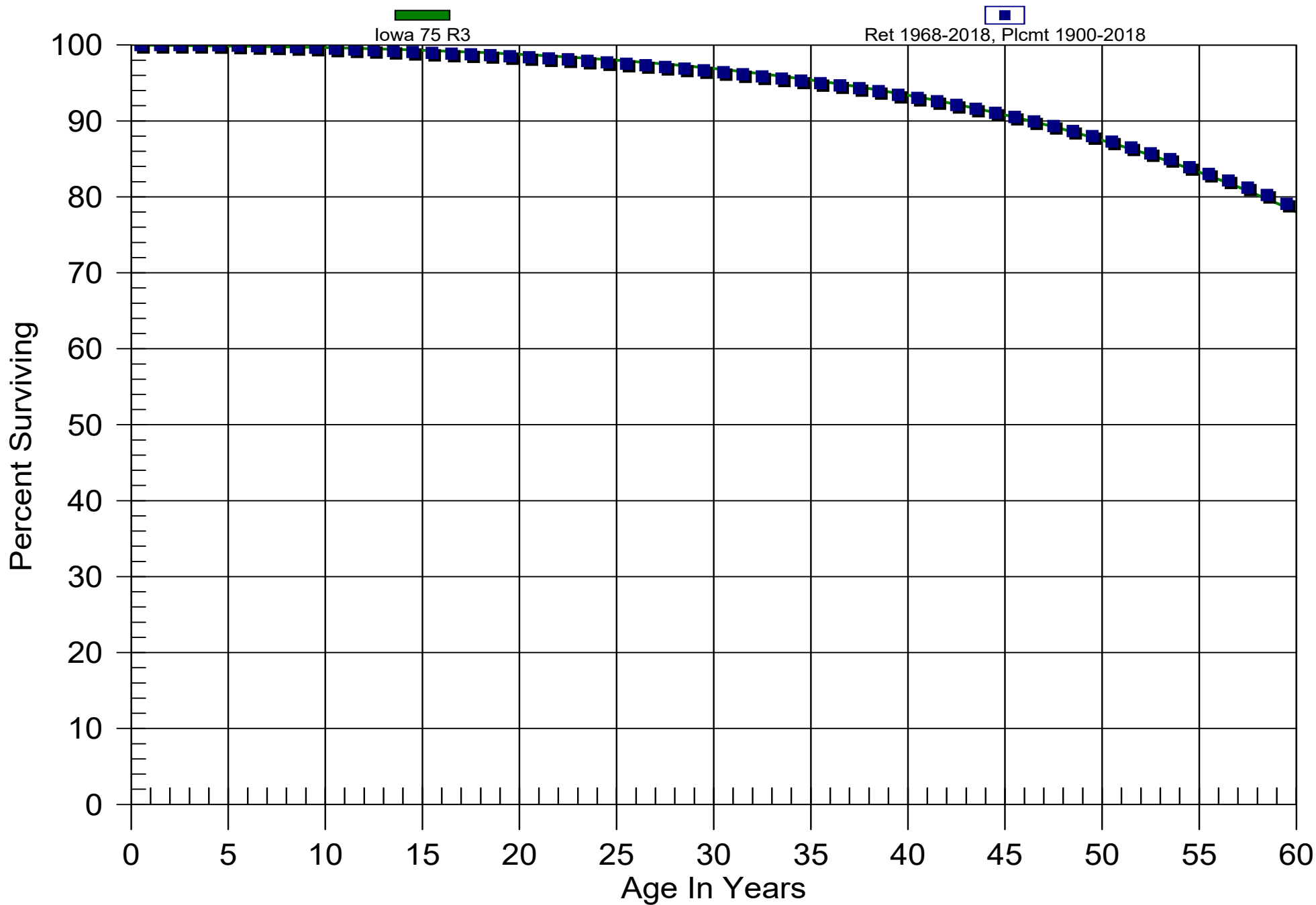
Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
36.5 - 37.5	\$20,220,672.06	\$76,164.38	0.00377	94.67
37.5 - 38.5	\$18,491,217.07	\$73,868.36	0.00399	94.31
38.5 - 39.5	\$17,164,483.35	\$93,668.94	0.00546	93.93
39.5 - 40.5	\$15,660,180.71	\$65,813.40	0.00420	93.42
40.5 - 41.5	\$14,380,220.23	\$69,143.05	0.00481	93.03
41.5 - 42.5	\$13,253,689.97	\$68,230.11	0.00515	92.58
42.5 - 43.5	\$12,125,087.22	\$66,199.05	0.00546	92.10
43.5 - 44.5	\$11,376,245.84	\$66,279.62	0.00583	91.60
44.5 - 45.5	\$10,371,843.34	\$63,998.08	0.00617	91.07
45.5 - 46.5	\$9,241,531.81	\$58,608.17	0.00634	90.51
46.5 - 47.5	\$7,928,921.61	\$53,351.50	0.00673	89.93
47.5 - 48.5	\$6,855,543.00	\$51,428.71	0.00750	89.33
48.5 - 49.5	\$6,001,527.08	\$45,281.11	0.00754	88.66
49.5 - 50.5	\$5,246,246.16	\$42,842.38	0.00817	87.99
50.5 - 51.5	\$4,532,480.03	\$39,398.87	0.00869	87.27
51.5 - 52.5	\$3,959,627.89	\$35,343.92	0.00893	86.51
52.5 - 53.5	\$3,494,851.42	\$30,501.57	0.00873	85.74
53.5 - 54.5	\$3,107,137.41	\$39,750.51	0.01279	84.99
54.5 - 55.5	\$2,794,410.67	\$29,613.52	0.01060	83.90
55.5 - 56.5	\$2,510,517.76	\$26,260.27	0.01046	83.01
56.5 - 57.5	\$2,246,387.53	\$25,680.77	0.01143	82.15
57.5 - 58.5	\$2,007,978.75	\$24,055.11	0.01198	81.21
58.5 - 59.5	\$1,788,657.35	\$25,723.42	0.01438	80.23
59.5 - 60.5	\$1,569,814.72	\$22,852.13	0.01456	79.08
60.5 - 61.5	\$1,405,616.04	\$20,277.12	0.01443	77.93
61.5 - 62.5	\$1,241,917.62	\$17,112.77	0.01378	76.80
62.5 - 63.5	\$1,074,714.02	\$22,741.40	0.02116	75.75
63.5 - 64.5	\$904,626.13	\$20,684.36	0.02287	74.14
64.5 - 65.5	\$763,288.94	\$11,387.87	0.01492	72.45
65.5 - 66.5	\$632,898.97	\$12,940.86	0.02045	71.37
66.5 - 67.5	\$510,992.11	\$12,428.66	0.02432	69.91
67.5 - 68.5	\$424,672.37	\$7,708.88	0.01815	68.21
68.5 - 69.5	\$356,275.04	\$6,601.64	0.01853	66.97
69.5 - 70.5	\$301,055.36	\$6,799.86	0.02259	65.73
70.5 - 71.5	\$243,555.90	\$6,702.61	0.02752	64.24
71.5 - 72.5	\$192,645.21	\$5,648.93	0.02932	62.48
72.5 - 73.5	\$158,952.34	\$4,693.56	0.02953	60.64

DESC
Electric Division
369.00 Services - Overhead
Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1937 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
73.5 - 74.5	\$141,198.68	\$4,757.05	0.03369	58.85
74.5 - 75.5	\$128,866.82	\$4,949.86	0.03841	56.87
75.5 - 76.5	\$119,114.87	\$6,756.82	0.05673	54.69
76.5 - 77.5	\$105,785.44	\$6,290.61	0.05947	51.58
77.5 - 78.5	\$86,459.11	\$6,203.66	0.07175	48.52
78.5 - 79.5	\$69,667.50	\$6,163.56	0.08847	45.04
79.5 - 80.5	\$55,666.38	\$5,243.40	0.09419	41.05
80.5 - 81.5	\$39,672.40	\$1,921.67	0.04844	37.18

DESC

Electric Division
369.00 Services - Overhead
Original And Smooth Survivor Curves



DESC
Electric Division
369.10 Services - Underground
Observed Life Table
Retirement Expr. 2002 TO 2018
Placement Years 1937 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
0.0 - 0.5	\$113,959,948.04	\$0.00	0.00000	100.00
0.5 - 1.5	\$111,725,726.18	\$0.00	0.00000	100.00
1.5 - 2.5	\$110,318,504.78	\$0.00	0.00000	100.00
2.5 - 3.5	\$109,735,890.10	\$2,131.82	0.00002	100.00
3.5 - 4.5	\$108,847,136.62	\$2,829.36	0.00003	100.00
4.5 - 5.5	\$107,205,365.36	\$3,770.01	0.00004	100.00
5.5 - 6.5	\$100,115,073.69	\$4,159.02	0.00004	99.99
6.5 - 7.5	\$98,997,910.12	\$6,092.88	0.00006	99.99
7.5 - 8.5	\$97,256,813.04	\$6,267.59	0.00006	99.98
8.5 - 9.5	\$95,518,802.32	\$8,086.02	0.00008	99.98
9.5 - 10.5	\$93,660,886.59	\$6,415.76	0.00007	99.97
10.5 - 11.5	\$90,647,230.87	\$6,370.22	0.00007	99.96
11.5 - 12.5	\$94,504,702.08	\$7,467.46	0.00008	99.95
12.5 - 13.5	\$78,792,222.50	\$7,658.51	0.00010	99.94
13.5 - 14.5	\$73,737,048.75	\$4,780.85	0.00006	99.94
14.5 - 15.5	\$71,416,791.33	\$8,780.87	0.00012	99.93
15.5 - 16.5	\$68,637,645.83	\$8,391.72	0.00012	99.92
16.5 - 17.5	\$66,713,303.12	\$7,189.16	0.00011	99.90
17.5 - 18.5	\$64,304,042.58	\$5,626.59	0.00009	99.89
18.5 - 19.5	\$60,786,873.63	\$10,956.31	0.00018	99.88
19.5 - 20.5	\$56,836,802.05	\$8,567.69	0.00015	99.87
20.5 - 21.5	\$52,986,255.54	\$5,473.92	0.00010	99.85
21.5 - 22.5	\$49,696,147.73	\$8,297.69	0.00017	99.84
22.5 - 23.5	\$46,593,498.99	\$8,138.55	0.00017	99.82
23.5 - 24.5	\$43,441,440.41	\$7,978.61	0.00018	99.81
24.5 - 25.5	\$40,532,899.90	\$8,721.76	0.00022	99.79
25.5 - 26.5	\$37,768,790.69	\$9,671.74	0.00026	99.77
26.5 - 27.5	\$34,518,016.12	\$6,895.82	0.00020	99.74
27.5 - 28.5	\$31,667,883.12	\$4,176.77	0.00013	99.72
28.5 - 29.5	\$28,365,441.54	\$7,366.59	0.00026	99.71
29.5 - 30.5	\$25,637,836.85	\$5,061.21	0.00020	99.68
30.5 - 31.5	\$22,434,226.59	\$2,401.32	0.00011	99.66
31.5 - 32.5	\$19,573,096.24	\$3,442.36	0.00018	99.65
32.5 - 33.5	\$16,646,136.49	\$2,514.82	0.00015	99.64
33.5 - 34.5	\$14,429,093.91	\$1,834.56	0.00013	99.62
34.5 - 35.5	\$12,214,378.65	\$3,537.52	0.00029	99.61
35.5 - 36.5	\$10,372,815.66	\$2,188.98	0.00021	99.58

DESC
Electric Division
369.10 Services - Underground
Observed Life Table
Retirement Expr. 2002 TO 2018
Placement Years 1937 TO 2018

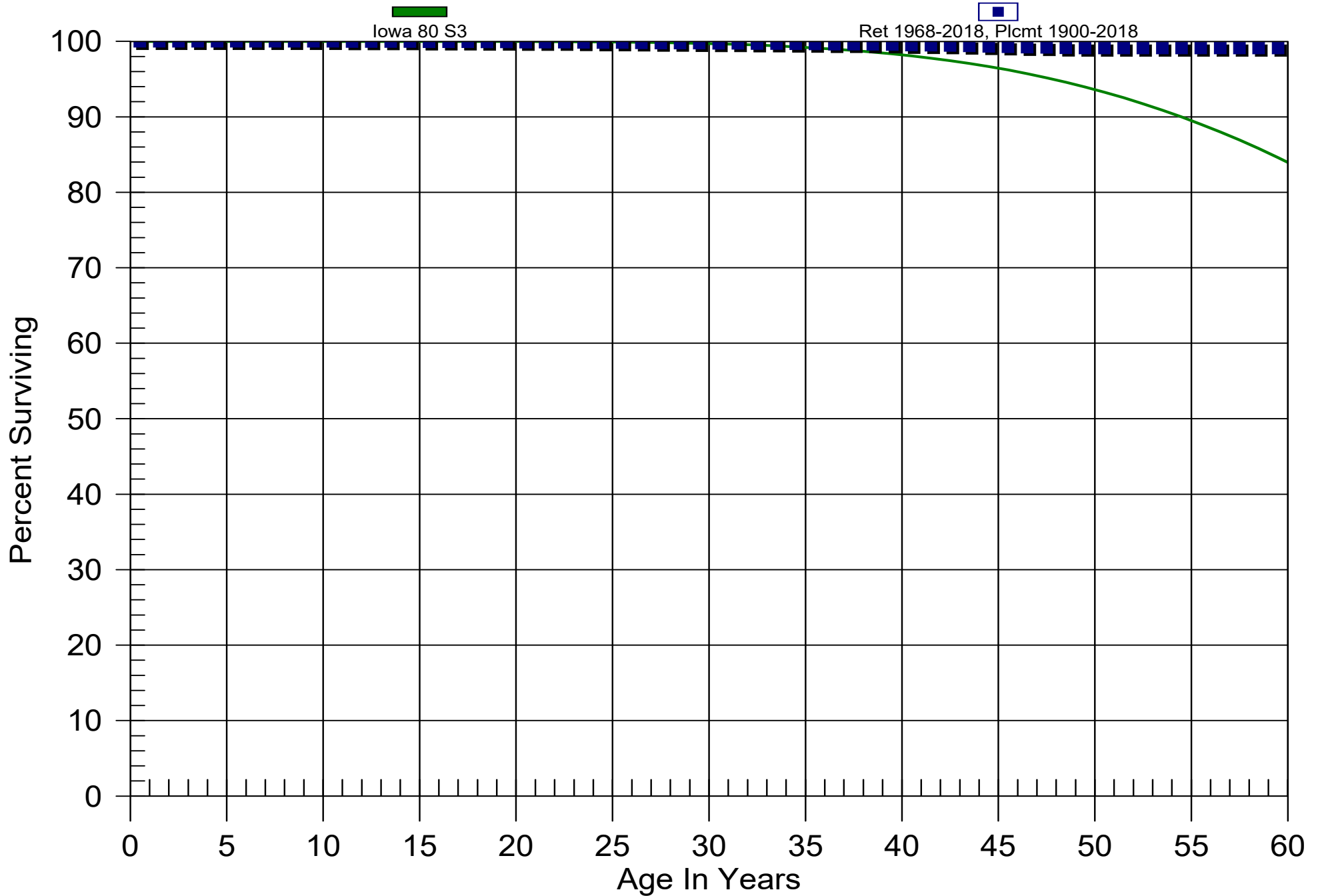
Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
36.5 - 37.5	\$9,037,587.39	\$1,896.15	0.00021	99.56
37.5 - 38.5	\$7,876,139.69	\$1,733.64	0.00022	99.54
38.5 - 39.5	\$6,715,467.09	\$1,916.19	0.00029	99.51
39.5 - 40.5	\$5,648,539.29	\$2,235.54	0.00040	99.49
40.5 - 41.5	\$4,649,343.64	\$1,418.15	0.00031	99.45
41.5 - 42.5	\$3,742,367.59	\$1,436.17	0.00038	99.42
42.5 - 43.5	\$3,065,066.68	\$1,498.78	0.00049	99.38
43.5 - 44.5	\$2,498,261.66	\$1,499.69	0.00060	99.33
44.5 - 45.5	\$1,766,590.39	\$1,044.93	0.00059	99.27
45.5 - 46.5	\$1,228,585.12	\$661.39	0.00054	99.21
46.5 - 47.5	\$863,079.81	\$378.61	0.00044	99.16
47.5 - 48.5	\$591,293.26	\$259.97	0.00044	99.11
48.5 - 49.5	\$394,869.83	\$139.18	0.00035	99.07
49.5 - 50.5	\$251,979.41	\$0.00	0.00000	99.04
50.5 - 51.5	\$100,458.95	\$0.00	0.00000	99.04
51.5 - 52.5	\$105,951.14	\$0.00	0.00000	99.04
52.5 - 53.5	\$110,238.23	\$0.00	0.00000	99.04
53.5 - 54.5	\$113,990.60	\$0.00	0.00000	99.04
54.5 - 55.5	\$116,703.07	\$0.00	0.00000	99.04
55.5 - 56.5	\$115,659.04	\$0.00	0.00000	99.04
56.5 - 57.5	\$113,979.74	\$0.00	0.00000	99.04
57.5 - 58.5	\$103,518.64	\$0.00	0.00000	99.04
58.5 - 59.5	\$94,660.22	\$0.00	0.00000	99.04
59.5 - 60.5	\$86,306.71	\$0.00	0.00000	99.04
60.5 - 61.5	\$76,650.94	\$0.00	0.00000	99.04
61.5 - 62.5	\$65,023.31	\$0.00	0.00000	99.04
62.5 - 63.5	\$51,329.78	\$0.00	0.00000	99.04
63.5 - 64.5	\$40,474.28	\$0.00	0.00000	99.04
64.5 - 65.5	\$33,560.87	\$0.00	0.00000	99.04
65.5 - 66.5	\$31,422.07	\$0.00	0.00000	99.04
66.5 - 67.5	\$24,257.69	\$0.00	0.00000	99.04
67.5 - 68.5	\$21,423.75	\$0.00	0.00000	99.04
68.5 - 69.5	\$15,931.56	\$0.00	0.00000	99.04
69.5 - 70.5	\$11,644.47	\$0.00	0.00000	99.04
70.5 - 71.5	\$7,892.10	\$0.00	0.00000	99.04
71.5 - 72.5	\$3,219.41	\$0.00	0.00000	99.04
72.5 - 73.5	\$2,271.67	\$0.00	0.00000	99.04

DESC
Electric Division
369.10 Services - Underground
Observed Life Table
Retirement Expr. 2002 TO 2018
Placement Years 1937 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
73.5 - 74.5	\$1,618.05	\$0.00	0.00000	99.04
74.5 - 75.5	\$1,618.05	\$0.00	0.00000	99.04
75.5 - 76.5	\$1,618.05	\$0.00	0.00000	99.04
76.5 - 77.5	\$1,618.05	\$0.00	0.00000	99.04
77.5 - 78.5	\$609.44	\$0.00	0.00000	99.04
78.5 - 79.5	\$337.44	\$0.00	0.00000	99.04
79.5 - 80.5	\$337.44	\$0.00	0.00000	99.04
80.5 - 81.5	\$337.44	\$0.00	0.00000	99.04

DESC

Electric Division 369.10 Services - Underground Original And Smooth Survivor Curves



DESC
Electric Division
373.00 Street Lighting and Signal Systems

Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1952 TO 2018

Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
0.0 - 0.5	\$410,429,777.75	\$206,149.80	0.00050	100.00
0.5 - 1.5	\$387,285,912.76	\$1,443,415.10	0.00373	99.95
1.5 - 2.5	\$367,066,792.88	\$1,019,045.03	0.00278	99.58
2.5 - 3.5	\$345,804,993.66	\$984,015.76	0.00285	99.30
3.5 - 4.5	\$327,649,318.95	\$855,133.20	0.00261	99.02
4.5 - 5.5	\$312,331,775.00	\$1,535,626.00	0.00492	98.76
5.5 - 6.5	\$278,078,237.67	\$1,027,378.46	0.00369	98.27
6.5 - 7.5	\$262,930,093.32	\$2,422,712.89	0.00921	97.91
7.5 - 8.5	\$247,656,721.59	\$1,297,143.31	0.00524	97.01
8.5 - 9.5	\$232,730,990.79	\$1,312,784.14	0.00564	96.50
9.5 - 10.5	\$217,052,090.50	\$1,257,028.75	0.00579	95.96
10.5 - 11.5	\$203,652,274.25	\$1,249,047.28	0.00613	95.40
11.5 - 12.5	\$184,150,402.78	\$1,438,709.53	0.00781	94.82
12.5 - 13.5	\$169,214,843.34	\$1,703,349.65	0.01007	94.07
13.5 - 14.5	\$154,922,945.82	\$2,050,901.68	0.01324	93.13
14.5 - 15.5	\$143,753,647.42	\$1,952,775.82	0.01358	91.90
15.5 - 16.5	\$132,086,978.23	\$1,949,752.56	0.01476	90.65
16.5 - 17.5	\$119,727,872.20	\$1,789,939.97	0.01495	89.31
17.5 - 18.5	\$108,681,049.92	\$2,018,113.41	0.01857	87.97
18.5 - 19.5	\$97,351,544.61	\$2,935,881.35	0.03016	86.34
19.5 - 20.5	\$86,105,335.26	\$1,979,217.16	0.02299	83.74
20.5 - 21.5	\$77,127,971.42	\$2,321,925.74	0.03010	81.81
21.5 - 22.5	\$68,484,193.60	\$1,774,571.54	0.02591	79.35
22.5 - 23.5	\$60,823,983.79	\$1,083,263.99	0.01781	77.29
23.5 - 24.5	\$54,095,131.95	\$977,236.63	0.01807	75.92
24.5 - 25.5	\$48,031,018.27	\$884,622.82	0.01842	74.54
25.5 - 26.5	\$42,132,290.37	\$819,597.95	0.01945	73.17
26.5 - 27.5	\$36,225,485.16	\$773,012.02	0.02134	71.75
27.5 - 28.5	\$32,630,290.67	\$746,240.95	0.02287	70.22
28.5 - 29.5	\$30,134,040.79	\$731,093.81	0.02426	68.61
29.5 - 30.5	\$27,242,642.38	\$658,810.20	0.02418	66.95
30.5 - 31.5	\$23,863,860.32	\$629,280.68	0.02637	65.33
31.5 - 32.5	\$19,960,407.16	\$497,235.31	0.02491	63.60
32.5 - 33.5	\$17,052,679.10	\$393,631.77	0.02308	62.02
33.5 - 34.5	\$14,299,222.89	\$320,375.32	0.02241	60.59
34.5 - 35.5	\$12,139,588.49	\$295,611.05	0.02435	59.23
35.5 - 36.5	\$10,170,689.21	\$252,919.01	0.02487	57.79

DESC
Electric Division
373.00 Street Lighting and Signal Systems

Observed Life Table
Retirement Expr. 1968 TO 2018
Placement Years 1952 TO 2018

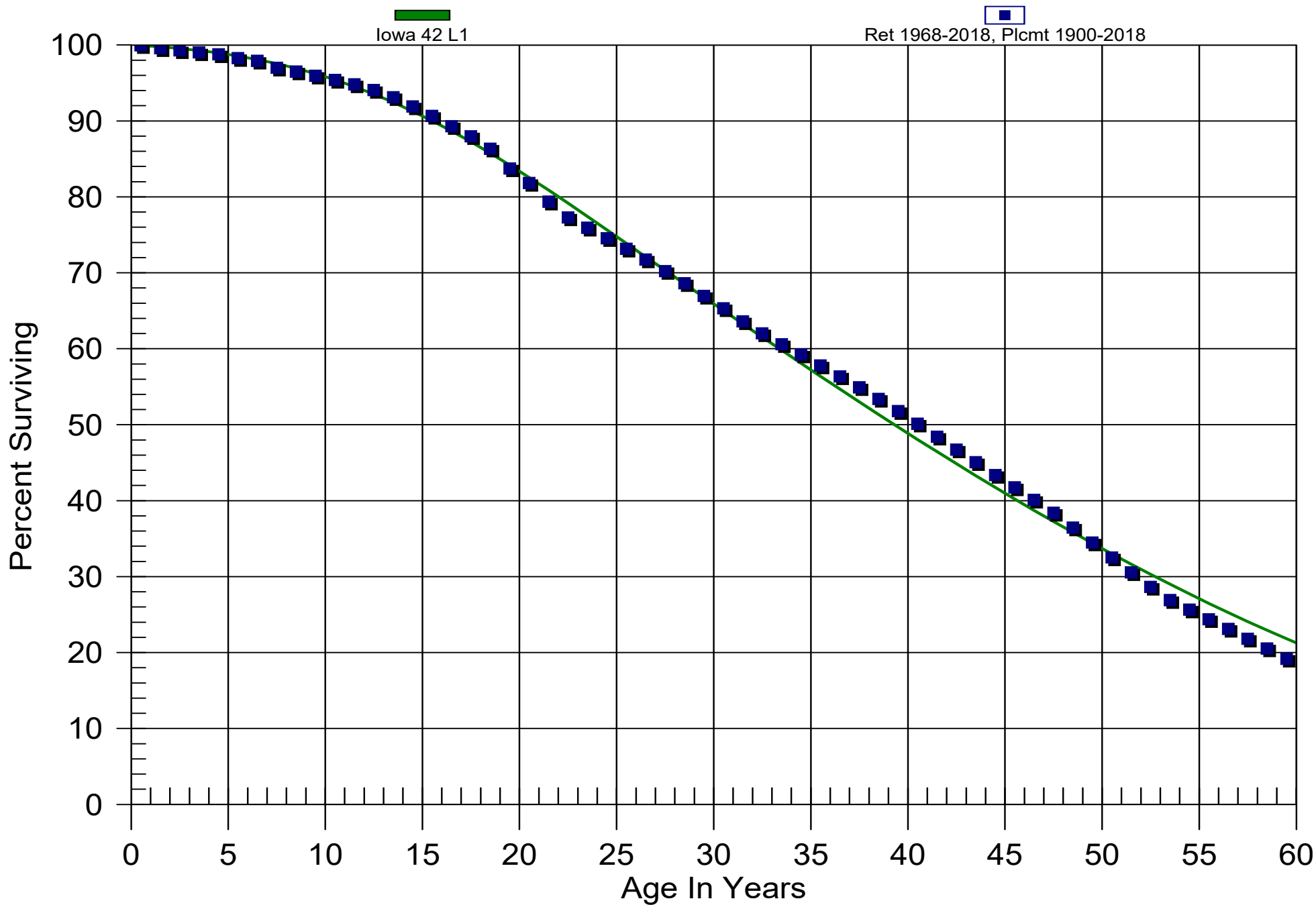
Age Interval	\$ Surviving At Beginning of Age Interval	\$ Retired During The Age Interval	Retirement Ratio	% Surviving At Beginning of Age Interval
36.5 - 37.5	\$8,220,434.97	\$209,388.60	0.02547	56.35
37.5 - 38.5	\$6,708,119.68	\$186,222.22	0.02776	54.92
38.5 - 39.5	\$5,633,070.94	\$168,358.03	0.02989	53.39
39.5 - 40.5	\$4,422,994.66	\$143,720.14	0.03249	51.80
40.5 - 41.5	\$3,411,999.14	\$115,972.16	0.03399	50.11
41.5 - 42.5	\$2,651,675.68	\$91,886.08	0.03465	48.41
42.5 - 43.5	\$1,991,814.70	\$71,774.02	0.03603	46.73
43.5 - 44.5	\$1,412,382.83	\$52,264.68	0.03700	45.05
44.5 - 45.5	\$989,612.75	\$37,476.16	0.03787	43.38
45.5 - 46.5	\$604,442.15	\$23,505.77	0.03889	41.74
46.5 - 47.5	\$430,842.26	\$18,619.10	0.04322	40.12
47.5 - 48.5	\$310,608.73	\$15,568.78	0.05012	38.38
48.5 - 49.5	\$228,714.53	\$12,346.28	0.05398	36.46
49.5 - 50.5	\$163,421.45	\$9,313.24	0.05699	34.49
50.5 - 51.5	\$112,748.56	\$6,838.37	0.06065	32.52
51.5 - 52.5	\$69,935.67	\$4,387.16	0.06273	30.55
52.5 - 53.5	\$40,608.45	\$2,483.80	0.06116	28.64
53.5 - 54.5	\$20,875.44	\$963.16	0.04614	26.88
54.5 - 55.5	\$15,077.48	\$749.24	0.04969	25.64
55.5 - 56.5	\$10,487.27	\$544.72	0.05194	24.37
56.5 - 57.5	\$6,769.06	\$377.70	0.05580	23.10
57.5 - 58.5	\$4,670.10	\$274.85	0.05885	21.81
58.5 - 59.5	\$2,866.76	\$188.75	0.06584	20.53
59.5 - 60.5	\$1,694.70	\$128.34	0.07573	19.18
60.5 - 61.5	\$868.85	\$82.06	0.09445	17.73
61.5 - 62.5	\$511.37	\$61.81	0.12087	16.05
62.5 - 63.5	\$330.68	\$47.38	0.14328	14.11
63.5 - 64.5	\$120.48	\$21.60	0.17928	12.09
64.5 - 65.5	\$29.43	\$4.99	0.16955	9.92
65.5 - 66.5	\$0.00	\$0.00	0.00000	8.24

DESC

Electric Division

373.00 Street Lighting and Signal Systems

Original And Smooth Survivor Curves



DESC
Electric Division
355.00 Poles and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 59

Survivor Curve: LI.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1931	9,056.67	59.00	153.50	18.01	2,764.05
1938	68,988.17	59.00	1,169.25	19.73	23,071.90
1942	2,436.19	59.00	41.29	20.75	856.78
1943	423.13	59.00	7.17	21.01	150.64
1944	57.00	59.00	0.97	21.26	20.54
1946	439.00	59.00	7.44	21.78	162.06
1947	3,943.27	59.00	66.83	22.04	1,472.97
1948	13,115.81	59.00	222.29	22.30	4,957.08
1949	57.00	59.00	0.97	22.56	21.80
1950	1,902.57	59.00	32.25	22.82	735.92
1951	66,281.48	59.00	1,123.38	23.08	25,931.43
1952	22,437.27	59.00	380.28	23.35	8,878.47
1953	121,738.87	59.00	2,063.31	23.61	48,712.23
1954	44,166.50	59.00	748.56	23.87	17,869.29
1955	14,634.04	59.00	248.03	24.14	5,986.62
1956	41,805.40	59.00	708.54	24.40	17,288.69
1957	7,438.58	59.00	126.07	24.66	3,109.59
1958	35,585.99	59.00	603.13	24.93	15,037.81
1959	11,012.89	59.00	186.65	25.20	4,703.44
1960	34,121.26	59.00	578.31	25.47	14,727.53
1961	59,214.17	59.00	1,003.60	25.74	25,828.90
1962	48,919.80	59.00	829.12	26.01	21,564.69
1963	107,501.97	59.00	1,822.01	26.28	47,886.35
1964	245,444.73	59.00	4,159.95	26.56	110,480.49
1965	37,102.08	59.00	628.83	26.84	16,876.65
1966	60,836.62	59.00	1,031.10	27.12	27,963.20
1967	357,999.13	59.00	6,067.59	27.41	166,285.68

DESC
Electric Division
355.00 Poles and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 59 Survivor Curve: LI.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1968	991,530.06	59.00	16,805.07	27.70	465,442.07
1969	326,026.21	59.00	5,525.70	27.99	154,668.60
1970	454,636.89	59.00	7,705.47	28.29	217,992.46
1971	1,389,514.29	59.00	23,550.36	28.60	673,468.62
1972	608,691.54	59.00	10,316.48	28.91	298,237.76
1973	881,773.14	59.00	14,944.84	29.23	436,808.31
1974	1,496,254.70	59.00	25,359.46	29.56	749,499.42
1975	2,104,059.48	59.00	35,660.91	29.89	1,065,911.94
1976	1,254,358.75	59.00	21,259.66	30.23	642,778.02
1977	1,349,714.38	59.00	22,875.80	30.59	699,743.93
1978	5,348,479.78	59.00	90,649.37	30.95	2,805,838.76
1979	3,535,096.02	59.00	59,915.01	31.33	1,877,051.66
1980	1,880,635.60	59.00	31,874.19	31.72	1,010,927.91
1981	1,975,579.14	59.00	33,483.35	32.11	1,075,305.50
1982	2,776,532.74	59.00	47,058.41	32.53	1,530,722.22
1983	1,068,431.29	59.00	18,108.44	32.96	596,765.29
1984	3,025,410.48	59.00	51,276.55	33.40	1,712,433.55
1985	1,362,546.95	59.00	23,093.30	33.85	781,724.78
1986	2,424,692.26	59.00	41,095.20	34.32	1,410,552.83
1987	977,405.91	59.00	16,565.69	34.81	576,723.36
1988	6,012,799.81	59.00	101,908.69	35.32	3,599,446.87
1989	1,761,489.77	59.00	29,854.83	35.85	1,070,256.00
1990	2,835,046.41	59.00	48,050.14	36.40	1,748,830.84
1991	2,335,025.62	59.00	39,575.47	36.96	1,462,691.73
1992	10,813,857.53	59.00	183,280.01	37.55	6,881,746.93
1993	4,084,789.31	59.00	69,231.56	38.16	2,641,544.54
1994	4,051,348.36	59.00	68,664.78	38.78	2,662,692.71

DESC
Electric Division
355.00 Poles and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 59 Survivor Curve: LI.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1995	7,563,920.65	59.00	128,198.05	39.43	5,054,301.81
1996	8,707,076.74	59.00	147,572.97	40.09	5,916,375.50
1997	3,173,121.86	59.00	53,780.05	40.77	2,192,813.89
1998	4,153,794.24	59.00	70,401.10	41.47	2,919,595.53
1999	4,748,657.67	59.00	80,483.22	42.19	3,395,355.46
2000	8,179,262.19	59.00	138,627.24	42.92	5,949,576.64
2001	2,287,121.34	59.00	38,763.56	43.66	1,692,440.02
2002	1,396,970.82	59.00	23,676.73	44.42	1,051,761.21
2003	23,402,149.04	59.00	396,634.23	45.20	17,926,831.20
2004	18,672,756.56	59.00	316,477.54	45.99	14,553,245.07
2005	16,408,042.45	59.00	278,093.75	46.79	13,012,589.97
2006	3,725,329.77	59.00	63,139.21	47.61	3,006,295.63
2007	5,925,793.93	59.00	100,434.06	48.45	4,866,029.64
2008	4,944,774.47	59.00	83,807.13	49.30	4,131,646.79
2009	19,526,946.78	59.00	330,954.89	50.17	16,602,702.39
2010	12,652,695.65	59.00	214,445.79	51.05	10,946,671.19
2011	20,121,837.75	59.00	341,037.47	51.94	17,712,939.44
2012	18,546,450.86	59.00	314,336.83	52.85	16,611,529.42
2013	24,544,253.26	59.00	415,991.33	53.77	22,366,210.09
2014	55,570,769.42	59.00	941,848.10	54.70	51,514,811.48
2015	39,546,244.67	59.00	670,254.45	55.64	37,291,675.43
2016	30,313,026.20	59.00	513,764.09	56.59	29,073,818.86
2017	32,014,462.79	59.00	542,601.10	57.55	31,225,781.42
2018	33,217,850.76	59.00	562,996.87	58.52	32,944,308.27

DESC
Electric Division
355.00 Poles and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 59 Survivor Curve: LI.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
Total	467,885,695.88	59.00	7,930,018.91	49.36	391,422,457.80

Composite Average Remaining Life ... 49.36 Years

DESC
Electric Division
355.50 Poles and Fixtures - NND

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 59 Survivor Curve: LI.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2017	80,077,020.15	59.00	1,357,195.34	57.55	78,104,310.05
2018	23,969,726.01	59.00	406,253.88	58.52	23,772,340.01
Total	104,046,746.16	59.00	1,763,449.22	57.77	101,876,650.06

Composite Average Remaining Life ... 57.77 Years



DESC
Electric Division
356.30 356.10 Balances

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 64 Survivor Curve: S0.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1900	1,226,673.70	64.00	19,166.78	3.34	64,007.62
1928	12,405.99	64.00	193.84	12.83	2,487.97
1937	78,627.69	64.00	1,228.56	16.08	19,758.86
1942	99,455.34	64.00	1,553.99	17.97	27,921.42
1945	415.00	64.00	6.48	19.13	124.04
1947	334.35	64.00	5.22	19.92	104.06
1950	49,497.61	64.00	773.40	21.13	16,339.59
1951	337,417.70	64.00	5,272.15	21.54	113,542.68
1953	301,778.44	64.00	4,715.29	22.37	105,460.84
1954	96,081.97	64.00	1,501.28	22.79	34,208.06
1955	399,989.24	64.00	6,249.83	23.21	145,057.42
1956	30,495.49	64.00	476.49	23.64	11,263.10
1957	176,603.40	64.00	2,759.43	24.07	66,417.56
1958	242,887.46	64.00	3,795.12	24.50	92,999.10
1959	1,616.48	64.00	25.26	24.95	630.05
1960	285,170.63	64.00	4,455.79	25.39	113,129.63
1961	10,491.31	64.00	163.93	25.84	4,235.50
1962	74,456.95	64.00	1,163.39	26.29	30,586.69
1963	524,923.00	64.00	8,201.92	26.75	219,387.70
1964	333,514.53	64.00	5,211.17	27.21	141,801.00
1965	44,926.00	64.00	701.97	27.68	19,428.86
1966	597,258.86	64.00	9,332.17	28.15	262,702.94
1967	1,314,771.27	64.00	20,543.31	28.63	588,106.22
1968	1,062,586.65	64.00	16,602.92	29.11	483,305.59
1969	553,798.52	64.00	8,653.10	29.60	256,111.99
1970	1,546,395.52	64.00	24,162.44	30.09	727,055.21
1971	1,811,051.62	64.00	28,297.69	30.59	865,612.78

DESC
Electric Division
356.30 356.10 Balances

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 64 Survivor Curve: S0.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1972	782,239.70	64.00	12,222.50	31.09	380,036.46
1973	1,198,758.49	64.00	18,730.61	31.60	591,965.04
1974	669,495.06	64.00	10,460.86	32.12	335,996.75
1975	1,737,337.66	64.00	27,145.91	32.64	886,116.36
1976	533,551.85	64.00	8,336.75	33.17	276,545.36
1977	1,360,374.18	64.00	21,255.85	33.71	716,457.24
1978	3,993,925.97	64.00	62,405.11	34.25	2,137,294.22
1979	4,293,712.23	64.00	67,089.27	34.80	2,334,456.94
1980	2,135,172.64	64.00	33,362.08	35.35	1,179,434.33
1981	1,259,489.96	64.00	19,679.54	35.91	706,766.83
1982	1,331,886.91	64.00	20,810.74	36.48	759,272.54
1983	299,720.48	64.00	4,683.13	37.06	173,567.42
1984	2,200,664.99	64.00	34,385.40	37.65	1,294,483.77
1985	482,703.33	64.00	7,542.24	38.24	288,411.78
1986	1,584,945.41	64.00	24,764.78	38.84	961,839.71
1987	1,010,018.84	64.00	15,781.55	39.45	622,559.93
1988	5,189,781.59	64.00	81,090.36	40.06	3,248,819.97
1989	762,732.98	64.00	11,917.71	40.69	484,942.36
1990	3,831,943.60	64.00	59,874.13	41.32	2,474,201.06
1991	2,248,154.73	64.00	35,127.43	41.97	1,474,229.02
1992	5,760,046.76	64.00	90,000.75	42.62	3,835,916.37
1993	2,484,084.66	64.00	38,813.83	43.28	1,679,920.12
1994	4,130,370.31	64.00	64,537.05	43.95	2,836,630.66
1995	7,312,925.38	64.00	114,264.49	44.63	5,099,958.19
1996	15,698,116.52	64.00	245,283.13	45.32	11,117,450.47
1997	4,154,317.83	64.00	64,911.23	46.02	2,987,478.56
1998	2,764,519.39	64.00	43,195.63	46.74	2,018,832.72

DESC
Electric Division
356.30 356.10 Balances

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 64 Survivor Curve: S0.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1999	5,281,470.14	64.00	82,522.99	47.46	3,916,496.86
2000	3,730,192.28	64.00	58,284.27	48.19	2,808,788.69
2001	2,510,426.49	64.00	39,225.42	48.94	1,919,529.50
2002	950,966.88	64.00	14,858.86	49.69	738,328.54
2003	11,952,371.79	64.00	186,755.85	50.46	9,423,171.10
2004	9,471,963.28	64.00	147,999.46	51.23	7,582,528.78
2005	2,776,441.18	64.00	43,381.90	52.03	2,256,951.77
2006	1,317,639.24	64.00	20,588.12	52.83	1,087,570.18
2007	5,647,575.61	64.00	88,243.39	53.64	4,733,530.91
2008	5,584,401.67	64.00	87,256.30	54.47	4,752,836.57
2009	4,760,895.09	64.00	74,389.00	55.31	4,114,356.12
2010	4,196,546.72	64.00	65,571.06	56.16	3,682,672.29
2011	8,668,237.46	64.00	135,441.24	57.03	7,723,934.10
2012	3,105,922.97	64.00	48,530.06	57.91	2,810,364.91
2013	5,772,093.55	64.00	90,188.98	58.80	5,303,274.87
2014	37,909,768.45	64.00	592,340.27	59.71	35,370,068.69
2015	25,878,435.30	64.00	404,350.64	60.64	24,518,473.35
2016	9,388,753.64	64.00	146,699.31	61.57	9,032,932.43
2017	9,086,179.45	64.00	141,971.59	62.53	8,877,655.36
2018	26,102,484.21	64.00	407,851.41	63.50	25,899,851.01
Total	274,517,381.57	64.00	4,289,335.07	51.73	221,868,686.65

Composite Average Remaining Life ... 51.73 Years

DESC
Electric Division
356.40 356.20 Balances

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 64 Survivor Curve: S0.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1977	55,272.00	64.00	863.63	33.71	29,109.66
1989	147,228.39	64.00	2,300.44	40.69	93,607.18
1990	176,150.37	64.00	2,752.35	41.32	113,736.39
1992	188,925.07	64.00	2,951.95	42.62	125,815.08
1998	279,230.96	64.00	4,362.98	46.74	203,912.69
1999	153,250.89	64.00	2,394.55	47.46	113,643.86
2002	1,266,029.46	64.00	19,781.71	49.69	982,942.42
2003	200,171.94	64.00	3,127.69	50.46	157,814.24
2004	14,719.38	64.00	229.99	51.23	11,783.21
2007	18,219.24	64.00	284.68	53.64	15,270.51
2008	231,611.67	64.00	3,618.93	54.47	197,122.71
2016	287,386.85	64.00	4,490.42	61.57	276,495.27
Total	3,018,196.22	64.00	47,159.33	49.22	2,321,253.22

Composite Average Remaining Life ... 49.22 Years

DESC
Electric Division
356.50 Overhead Conductors and Devices - NND
Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 64 Survivor Curve: S0.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2017	51,331,310.88	64.00	802,051.92	62.53	50,153,278.33
2018	14,377,359.47	64.00	224,646.29	63.50	14,265,748.24
Total	65,708,670.35	64.00	1,026,698.21	62.74	64,419,026.58

Composite Average Remaining Life ... 62.74 Years

DESC
Electric Division
365.00 Overhead Conductors and Devices
Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 64 Survivor Curve: RI

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1937	52,889.35	64.00	826.38	15.77	13,029.59
1938	6,660.67	64.00	104.07	16.17	1,682.86
1939	8,273.39	64.00	129.27	16.58	2,142.96
1940	11,858.32	64.00	185.28	16.99	3,147.89
1941	15,706.75	64.00	245.41	17.41	4,271.67
1942	7,611.71	64.00	118.93	17.83	2,120.21
1943	4,415.21	64.00	68.99	18.25	1,259.21
1944	8,456.24	64.00	132.13	18.68	2,468.61
1945	28,300.23	64.00	442.18	19.12	8,454.10
1946	64,088.86	64.00	1,001.37	19.56	19,586.17
1947	98,705.97	64.00	1,542.25	20.00	30,851.71
1948	120,027.49	64.00	1,875.39	20.45	38,360.52
1949	142,390.85	64.00	2,224.82	20.91	46,519.50
1950	144,459.95	64.00	2,257.14	21.37	48,234.89
1951	229,613.11	64.00	3,587.64	21.84	78,337.07
1952	290,239.75	64.00	4,534.91	22.31	101,153.05
1953	293,830.11	64.00	4,591.01	22.78	104,588.99
1954	329,623.31	64.00	5,150.27	23.26	119,803.63
1955	422,239.74	64.00	6,597.37	23.75	156,675.11
1956	384,769.84	64.00	6,011.92	24.24	145,721.94
1957	394,173.43	64.00	6,158.84	24.74	152,345.91
1958	418,658.56	64.00	6,541.42	25.24	165,087.99
1959	429,887.48	64.00	6,716.87	25.75	172,929.42
1960	489,059.67	64.00	7,641.41	26.26	200,654.00
1961	534,462.62	64.00	8,350.82	26.78	223,606.04
1962	528,775.90	64.00	8,261.97	27.30	225,558.24
1963	510,115.04	64.00	7,970.40	27.83	221,810.32

DESC
Electric Division
365.00 Overhead Conductors and Devices
Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 64 Survivor Curve: RI

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1964	502,919.94	64.00	7,857.98	28.36	222,888.54
1965	652,920.76	64.00	10,201.69	28.90	294,867.83
1966	962,380.60	64.00	15,036.91	29.45	442,841.41
1967	1,285,417.91	64.00	20,084.28	30.00	602,561.81
1968	1,469,141.04	64.00	22,954.90	30.56	701,448.24
1969	1,963,929.09	64.00	30,685.81	31.12	954,945.20
1970	2,152,782.59	64.00	33,636.59	31.69	1,065,832.06
1971	2,035,140.97	64.00	31,798.48	32.26	1,025,819.63
1972	1,824,824.53	64.00	28,512.35	32.84	936,262.35
1973	2,210,567.26	64.00	34,539.46	33.42	1,154,349.55
1974	2,134,219.45	64.00	33,346.55	34.01	1,134,066.60
1975	2,043,518.06	64.00	31,929.37	34.60	1,104,856.57
1976	1,622,280.20	64.00	25,347.65	35.20	892,295.00
1977	2,226,538.02	64.00	34,789.00	35.81	1,245,633.18
1978	2,516,953.91	64.00	39,326.66	36.41	1,432,064.30
1979	3,095,148.21	64.00	48,360.78	37.03	1,790,666.58
1980	2,844,046.61	64.00	44,437.39	37.65	1,672,898.39
1981	2,965,620.90	64.00	46,336.95	38.27	1,773,223.89
1982	3,225,137.57	64.00	50,391.83	38.90	1,960,053.68
1983	3,496,890.68	64.00	54,637.89	39.53	2,159,743.58
1984	5,033,615.57	64.00	78,648.76	40.16	3,158,837.68
1985	4,987,700.23	64.00	77,931.35	40.80	3,179,946.83
1986	5,253,078.56	64.00	82,077.81	41.45	3,401,959.65
1987	9,299,423.04	64.00	145,300.75	42.10	6,116,665.27
1988	11,704,213.54	64.00	182,874.89	42.75	7,817,452.14
1989	9,146,472.63	64.00	142,910.95	43.40	6,202,844.00
1990	15,372,684.26	64.00	240,193.67	44.06	10,583,266.02

DESC
Electric Division
365.00 Overhead Conductors and Devices
Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 64 Survivor Curve: RI

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1991	12,190,658.86	64.00	190,475.46	44.72	8,518,863.92
1992	15,840,246.20	64.00	247,499.19	45.39	11,233,904.60
1993	12,644,923.91	64.00	197,573.22	46.06	9,099,694.26
1994	8,629,148.43	64.00	134,827.91	46.73	6,300,336.87
1995	7,504,574.02	64.00	117,256.76	47.40	5,558,186.58
1996	7,040,846.29	64.00	110,011.15	48.08	5,289,188.09
1997	7,991,393.92	64.00	124,863.18	48.76	6,087,924.12
1998	7,848,344.85	64.00	122,628.08	49.44	6,062,555.32
1999	9,689,833.88	64.00	151,400.80	50.12	7,588,557.88
2000	9,055,085.23	64.00	141,483.04	50.81	7,188,446.32
2001	6,666,075.70	64.00	104,155.47	51.50	5,363,623.97
2002	12,136,457.88	64.00	189,628.59	52.19	9,896,035.35
2003	14,791,477.13	64.00	231,112.48	52.88	12,221,200.65
2004	16,055,464.59	64.00	250,861.91	53.57	13,439,893.72
2005	12,371,595.92	64.00	193,302.55	54.27	10,491,241.54
2006	15,934,786.66	64.00	248,976.36	54.97	13,687,201.67
2007	24,546,883.78	64.00	383,537.84	55.68	21,354,784.31
2008	6,669,058.66	64.00	104,202.08	56.39	5,875,482.97
2009	22,796,018.92	64.00	356,181.09	57.09	20,336,076.80
2010	21,402,949.35	64.00	334,414.79	57.81	19,331,846.16
2011	21,069,983.19	64.00	329,212.29	58.52	19,266,605.37
2012	22,760,299.05	64.00	355,622.98	59.24	21,068,199.28
2013	22,667,994.08	64.00	354,180.74	59.96	21,238,371.34
2014	21,713,058.12	64.00	339,260.15	60.69	20,590,144.04
2015	21,664,744.00	64.00	338,505.25	61.42	20,791,285.12
2016	19,537,253.82	64.00	305,263.85	62.15	18,973,147.37
2017	17,153,476.12	64.00	268,018.02	62.89	16,855,662.68

DESC

Electric Division

365.00 Overhead Conductors and Devices

Original Cost Of Utility Plant In Service

And Development Of Composite Remaining Life as of December 31, 2018

Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 64

Survivor Curve: RI

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2018	20,104,217.75	64.00	314,122.49	63.63	19,987,455.29
Total	526,473,709.99	64.00	8,225,996.90	52.15	429,014,607.11

Composite Average Remaining Life ... 52.15 Years



DESC
Electric Division
368.00 Line Transformers

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 46 Survivor Curve: R2

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1946	1,346.18	46.00	29.26	3.53	103.30
1947	1,714.97	46.00	37.28	3.81	142.08
1948	1,127.92	46.00	24.52	4.10	100.56
1949	1,447.91	46.00	31.48	4.39	138.24
1950	4,584.02	46.00	99.65	4.68	466.70
1951	9,805.41	46.00	213.16	4.98	1,060.59
1952	6,206.57	46.00	134.92	5.27	710.91
1953	8,924.16	46.00	194.00	5.56	1,078.30
1954	17,388.77	46.00	378.02	5.86	2,213.46
1955	20,998.60	46.00	456.49	6.16	2,810.18
1956	60,902.50	46.00	1,323.96	6.46	8,553.79
1957	55,197.16	46.00	1,199.93	6.77	8,123.95
1958	42,348.70	46.00	920.62	7.09	6,523.19
1959	108,794.79	46.00	2,365.09	7.40	17,511.80
1960	121,669.78	46.00	2,644.98	7.73	20,455.32
1961	225,181.23	46.00	4,895.22	8.07	39,510.77
1962	144,378.47	46.00	3,138.65	8.42	26,420.95
1963	208,600.70	46.00	4,534.78	8.77	39,788.94
1964	205,283.93	46.00	4,462.68	9.14	40,787.94
1965	589,613.68	46.00	12,817.63	9.52	121,986.23
1966	1,179,690.92	46.00	25,645.35	9.91	254,032.21
1967	1,409,788.41	46.00	30,647.44	10.31	315,844.27
1968	1,877,969.12	46.00	40,825.24	10.72	437,557.05
1969	1,988,429.71	46.00	43,226.55	11.14	481,633.54
1970	2,087,358.26	46.00	45,377.16	11.58	525,446.80
1971	2,046,609.70	46.00	44,491.33	12.03	535,196.16
1972	2,235,713.15	46.00	48,602.25	12.49	607,123.33

DESC
Electric Division
368.00 Line Transformers

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 46 Survivor Curve: R2

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1973	2,914,836.05	46.00	63,365.73	12.97	821,660.81
1974	2,006,665.98	46.00	43,622.99	13.46	586,952.58
1975	1,816,951.41	46.00	39,498.78	13.96	551,251.54
1976	1,994,664.44	46.00	43,362.09	14.47	627,528.57
1977	2,380,225.26	46.00	51,743.81	15.00	776,106.48
1978	3,198,284.61	46.00	69,527.63	15.54	1,080,385.61
1979	3,022,079.13	46.00	65,697.09	16.09	1,057,162.54
1980	2,423,996.94	46.00	52,695.36	16.66	877,719.17
1981	2,945,868.89	46.00	64,040.36	17.23	1,103,660.33
1982	3,360,262.88	46.00	73,048.88	17.83	1,302,136.52
1983	4,010,250.03	46.00	87,178.98	18.43	1,606,495.11
1984	5,412,929.16	46.00	117,671.87	19.04	2,240,630.30
1985	5,771,862.74	46.00	125,474.74	19.67	2,467,676.36
1986	7,133,266.04	46.00	155,070.34	20.30	3,148,467.14
1987	8,786,908.88	46.00	191,018.94	20.95	4,002,453.20
1988	6,133,094.07	46.00	133,327.56	21.61	2,881,551.62
1989	6,291,473.15	46.00	136,770.57	22.28	3,047,617.56
1990	13,983,912.42	46.00	303,996.80	22.96	6,980,783.14
1991	9,165,941.56	46.00	199,258.75	23.65	4,713,325.25
1992	8,055,861.69	46.00	175,126.68	24.36	4,265,271.60
1993	9,498,726.95	46.00	206,493.18	25.07	5,176,381.28
1994	9,801,107.11	46.00	213,066.64	25.79	5,494,804.77
1995	7,963,026.23	46.00	173,108.53	26.52	4,590,785.91
1996	10,612,365.95	46.00	230,702.62	27.26	6,288,846.91
1997	10,016,124.62	46.00	217,740.91	28.01	6,098,590.65
1998	9,354,250.98	46.00	203,352.42	28.77	5,849,701.26
1999	10,827,018.53	46.00	235,368.96	29.53	6,951,515.30

DESC
Electric Division
368.00 Line Transformers

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 46 Survivor Curve: R2

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2000	12,371,218.90	46.00	268,938.40	30.31	8,151,538.19
2001	12,291,795.61	46.00	267,211.81	31.09	8,308,662.96
2002	12,081,586.34	46.00	262,642.06	31.89	8,374,599.37
2003	13,820,948.47	46.00	300,454.12	32.69	9,820,659.65
2004	15,019,948.16	46.00	326,519.22	33.49	10,936,434.18
2005	17,620,991.91	46.00	383,063.41	34.31	13,143,342.20
2006	41,452,754.96	46.00	901,143.01	35.13	31,661,322.24
2007	2,172,546.02	46.00	47,229.06	35.97	1,698,614.92
2008	19,160,349.88	46.00	416,527.57	36.80	15,329,666.50
2009	17,227,324.49	46.00	374,505.46	37.65	14,099,586.19
2010	16,169,057.33	46.00	351,499.75	38.50	13,533,269.12
2011	15,840,374.34	46.00	344,354.50	39.36	13,553,936.65
2012	17,699,599.55	46.00	384,772.26	40.23	15,477,793.49
2013	16,283,266.34	46.00	353,982.54	41.10	14,547,850.45
2014	14,977,000.66	46.00	325,585.58	41.98	13,666,661.59
2015	15,806,992.51	46.00	343,628.81	42.86	14,727,809.32
2016	16,338,127.37	46.00	355,175.17	43.75	15,539,072.27
2017	17,270,292.99	46.00	375,439.55	44.65	16,761,965.54
2018	16,534,675.65	46.00	359,447.94	45.55	16,371,968.96
Total	493,681,881.90	46.00	10,732,169.09	32.03	343,789,535.90

Composite Average Remaining Life ... 32.03 Years

DESC
Electric Division
369.00 Services - Overhead

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 75 Survivor Curve: R3

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1937	37,750.73	75.00	503.34	12.34	6,212.81
1938	10,750.58	75.00	143.34	12.74	1,825.95
1939	7,837.56	75.00	104.50	13.15	1,373.73
1940	10,587.95	75.00	141.17	13.56	1,914.93
1941	13,035.72	75.00	173.81	14.00	2,432.89
1942	6,572.61	75.00	87.63	14.44	1,265.56
1943	4,802.09	75.00	64.03	14.90	953.83
1944	7,574.81	75.00	101.00	15.37	1,552.21
1945	13,060.10	75.00	174.13	15.85	2,760.12
1946	28,043.94	75.00	373.92	16.34	6,111.38
1947	44,208.08	75.00	589.44	16.85	9,934.67
1948	50,699.60	75.00	675.99	17.37	11,744.74
1949	48,618.04	75.00	648.24	17.91	11,606.94
1950	60,688.45	75.00	809.18	18.45	14,932.13
1951	73,891.08	75.00	985.21	19.01	18,729.07
1952	108,966.00	75.00	1,452.88	19.58	28,444.53
1953	119,002.10	75.00	1,586.69	20.16	31,991.76
1954	120,652.83	75.00	1,608.70	20.75	33,388.38
1955	147,346.49	75.00	1,964.62	21.36	41,959.72
1956	150,090.83	75.00	2,001.21	21.98	43,979.59
1957	143,421.30	75.00	1,912.28	22.60	43,222.20
1958	141,346.55	75.00	1,884.62	23.24	43,795.09
1959	193,119.21	75.00	2,574.92	23.89	61,512.28
1960	195,266.29	75.00	2,603.55	24.55	63,907.42
1961	212,728.01	75.00	2,836.37	25.21	71,512.46
1962	237,869.96	75.00	3,171.60	25.89	82,122.70
1963	254,279.39	75.00	3,390.39	26.58	90,115.00

DESC
Electric Division
369.00 Services - Overhead

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 75 Survivor Curve: R3

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1964	272,976.23	75.00	3,639.68	27.27	99,269.88
1965	357,212.44	75.00	4,762.83	27.98	133,274.95
1966	429,432.55	75.00	5,725.77	28.70	164,304.54
1967	533,453.27	75.00	7,112.71	29.42	209,233.20
1968	670,923.75	75.00	8,945.65	30.15	269,713.74
1969	709,999.81	75.00	9,466.66	30.89	292,413.32
1970	802,587.21	75.00	10,701.16	31.63	338,526.12
1971	1,020,027.11	75.00	13,600.36	32.39	440,540.65
1972	1,254,002.03	75.00	16,720.03	33.15	554,333.59
1973	1,066,313.45	75.00	14,217.51	33.92	482,297.85
1974	938,122.88	75.00	12,508.30	34.70	434,071.02
1975	682,642.33	75.00	9,101.90	35.49	322,998.62
1976	1,060,372.64	75.00	14,138.30	36.28	512,907.15
1977	1,057,387.21	75.00	14,098.50	37.08	522,759.23
1978	1,214,147.08	75.00	16,188.63	37.88	613,300.51
1979	1,410,633.70	75.00	18,808.45	38.70	727,821.30
1980	1,252,865.36	75.00	16,704.87	39.52	660,146.25
1981	1,653,290.61	75.00	22,043.87	40.34	889,339.86
1982	1,525,212.37	75.00	20,336.16	41.18	837,361.96
1983	1,809,505.06	75.00	24,126.73	42.02	1,013,739.35
1984	1,959,732.87	75.00	26,129.77	42.86	1,119,989.99
1985	2,165,718.32	75.00	28,876.24	43.71	1,262,287.67
1986	2,222,644.59	75.00	29,635.26	44.57	1,320,952.00
1987	2,619,239.01	75.00	34,923.18	45.44	1,586,823.47
1988	2,623,075.95	75.00	34,974.34	46.31	1,619,553.48
1989	2,614,061.21	75.00	34,854.15	47.18	1,644,578.53
1990	3,722,044.31	75.00	49,627.25	48.07	2,385,384.29

DESC
Electric Division
369.00 Services - Overhead

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 75 Survivor Curve: R3

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1991	2,358,850.94	75.00	31,451.34	48.95	1,539,625.66
1992	2,416,241.22	75.00	32,216.55	49.85	1,605,897.44
1993	2,328,536.98	75.00	31,047.16	50.74	1,575,483.76
1994	2,585,483.06	75.00	34,473.11	51.65	1,780,452.54
1995	2,820,101.22	75.00	37,601.35	52.56	1,976,230.26
1996	2,769,856.25	75.00	36,931.41	53.47	1,974,744.24
1997	2,795,312.12	75.00	37,270.83	54.39	2,027,092.06
1998	2,789,996.04	75.00	37,199.94	55.31	2,057,612.52
1999	2,662,860.74	75.00	35,504.81	56.24	1,996,767.09
2000	2,571,337.53	75.00	34,284.50	57.17	1,960,061.00
2001	2,169,765.11	75.00	28,930.20	58.11	1,681,059.23
2002	2,999,685.08	75.00	39,995.80	59.05	2,361,635.64
2003	2,400,312.32	75.00	32,004.16	59.99	1,919,941.68
2004	1,387,271.08	75.00	18,496.95	60.94	1,127,181.40
2005	2,404,092.10	75.00	32,054.56	61.89	1,983,844.41
2006	5,389,120.13	75.00	71,854.93	62.84	4,515,624.27
2007	54,230.23	75.00	723.07	63.80	46,133.35
2008	2,067,970.78	75.00	27,572.94	64.76	1,785,697.10
2009	2,486,788.07	75.00	33,157.17	65.73	2,179,287.87
2010	2,460,022.74	75.00	32,800.30	66.69	2,187,554.05
2011	2,594,158.55	75.00	34,588.78	67.66	2,340,347.50
2012	2,583,221.91	75.00	34,442.96	68.63	2,363,934.08
2013	2,502,351.58	75.00	33,364.69	69.61	2,322,441.20
2014	2,316,824.68	75.00	30,890.99	70.58	2,180,402.05
2015	2,349,224.25	75.00	31,322.99	71.56	2,241,525.24
2016	2,148,738.24	75.00	28,649.84	72.54	2,078,322.56
2017	2,591,026.20	75.00	34,547.01	73.52	2,540,034.70

DESC
Electric Division
369.00 Services - Overhead

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 75 Survivor Curve: R3

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2018	3,095,073.92	75.00	41,267.65	74.51	3,074,744.48
Total	110,188,286.72	75.00	1,469,177.06	53.51	78,610,902.00

Composite Average Remaining Life ... 53.51 Years



DESC
Electric Division
369.10 Services - Underground
Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 80 Survivor Curve: S3

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1937	337.44	80.00	4.22	15.24	64.29
1940	272.00	80.00	3.40	16.39	55.73
1941	1,008.61	80.00	12.61	16.79	211.73
1945	653.62	80.00	8.17	18.50	151.17
1946	947.74	80.00	11.85	18.95	224.55
1947	4,672.69	80.00	58.41	19.42	1,134.37
1948	3,752.37	80.00	46.90	19.90	933.26
1949	4,287.09	80.00	53.59	20.38	1,092.35
1950	5,492.19	80.00	68.65	20.88	1,433.62
1951	2,833.94	80.00	35.42	21.40	757.99
1952	7,164.38	80.00	89.55	21.92	1,963.16
1953	2,138.80	80.00	26.74	22.46	600.40
1954	7,250.85	80.00	90.64	23.01	2,085.16
1955	10,855.50	80.00	135.69	23.57	3,198.72
1956	13,693.53	80.00	171.17	24.15	4,133.61
1957	11,899.63	80.00	148.75	24.74	3,679.73
1958	10,664.38	80.00	133.30	25.34	3,378.03
1959	8,353.51	80.00	104.42	25.96	2,711.04
1960	8,858.42	80.00	110.73	26.59	2,944.84
1961	10,461.10	80.00	130.76	27.24	3,561.98
1962	2,332.92	80.00	29.16	27.90	813.57
1963	1,991.77	80.00	24.90	28.58	711.52
1964	1,960.22	80.00	24.50	29.27	717.13
1968	154,354.40	80.00	1,929.43	32.17	62,071.30
1969	149,915.62	80.00	1,873.95	32.93	61,710.75
1970	198,302.26	80.00	2,478.78	33.70	83,545.90
1971	278,658.79	80.00	3,483.24	34.50	120,165.14

DESC
Electric Division
369.10 Services - Underground
Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 80 Survivor Curve: S3

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1972	375,699.42	80.00	4,696.24	35.30	165,779.50
1973	550,653.87	80.00	6,883.17	36.12	248,589.22
1974	742,071.21	80.00	9,275.89	36.94	342,679.29
1975	575,970.62	80.00	7,199.63	37.79	272,065.92
1976	684,218.25	80.00	8,552.73	38.64	330,499.20
1977	914,416.32	80.00	11,430.20	39.51	451,579.87
1978	1,007,421.21	80.00	12,592.77	40.38	508,541.81
1979	1,067,344.53	80.00	13,341.81	41.28	550,688.51
1980	1,160,930.73	80.00	14,511.64	42.17	612,011.74
1981	1,161,511.77	80.00	14,518.90	43.08	625,500.92
1982	1,333,039.29	80.00	16,662.99	44.00	733,152.98
1983	1,838,025.47	80.00	22,975.32	44.93	1,032,245.73
1984	2,212,880.70	80.00	27,661.01	45.86	1,268,626.60
1985	2,370,413.17	80.00	29,630.17	46.81	1,386,857.91
1986	3,075,486.41	80.00	38,443.58	47.75	1,835,863.45
1987	3,059,470.45	80.00	38,243.38	48.71	1,862,952.16
1988	3,480,332.68	80.00	43,504.16	49.68	2,161,078.07
1989	3,099,636.61	80.00	38,745.46	50.64	1,962,168.61
1990	3,853,873.06	80.00	48,173.42	51.61	2,486,451.67
1991	3,591,331.69	80.00	44,891.65	52.59	2,360,973.32
1992	3,820,107.16	80.00	47,751.34	53.57	2,558,195.16
1993	3,444,474.23	80.00	43,055.93	54.56	2,349,005.71
1994	3,820,271.53	80.00	47,753.40	55.54	2,652,402.43
1995	4,158,442.89	80.00	51,980.54	56.53	2,938,662.14
1996	4,163,660.01	80.00	52,045.75	57.53	2,993,952.34
1997	4,450,469.96	80.00	55,630.88	58.52	3,255,443.59
1998	5,006,681.55	80.00	62,583.52	59.51	3,724,556.36

DESC
Electric Division
369.10 Services - Underground
Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 80 Survivor Curve: S3

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1999	5,274,013.76	80.00	65,925.18	60.51	3,989,117.69
2000	5,358,973.53	80.00	66,987.17	61.51	4,120,165.85
2001	4,619,265.68	80.00	57,740.82	62.50	3,609,065.85
2002	4,293,006.31	80.00	53,662.58	63.50	3,407,733.48
2003	5,855,050.84	80.00	73,188.14	64.50	4,720,781.49
2004	5,385,554.40	80.00	67,319.43	65.50	4,409,506.24
2005	8,538,133.88	80.00	106,726.68	66.50	7,097,401.07
2006	18,815,438.41	80.00	235,193.00	67.50	15,875,621.82
2008	6,608,629.61	80.00	82,607.88	69.50	5,741,257.73
2009	5,680,374.35	80.00	71,004.68	70.50	5,005,834.55
2010	5,184,092.51	80.00	64,801.16	71.50	4,633,283.95
2011	5,561,721.27	80.00	69,521.52	72.50	5,040,310.60
2012	5,276,988.32	80.00	65,962.36	73.50	4,848,233.58
2013	5,983,035.75	80.00	74,787.95	74.50	5,571,702.68
2014	6,095,817.26	80.00	76,197.72	75.50	5,752,927.26
2015	5,897,518.76	80.00	73,718.99	76.50	5,639,502.30
2016	5,864,740.51	80.00	73,309.26	77.50	5,681,467.36
2017	6,772,846.65	80.00	84,660.59	78.50	6,645,855.77
2018	6,857,580.36	80.00	85,719.76	79.50	6,814,720.48
Total	189,844,730.72	80.00	2,373,059.29	63.48	150,639,065.05

Composite Average Remaining Life ... 63.48 Years

DESC
Electric Division
373.00 Street Lighting and Signal Systems
Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 42 Survivor Curve: LI

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
1953	24.44	42.00	0.58	13.17	7.66
1954	69.45	42.00	1.65	13.42	22.18
1955	162.82	42.00	3.88	13.66	52.96
1956	118.88	42.00	2.83	13.91	39.37
1957	275.42	42.00	6.56	14.16	92.87
1958	697.51	42.00	16.61	14.42	239.44
1959	983.31	42.00	23.41	14.68	343.60
1960	1,528.49	42.00	36.39	14.94	543.52
1961	1,721.26	42.00	40.98	15.20	622.87
1962	3,173.49	42.00	75.55	15.47	1,168.55
1963	3,840.97	42.00	91.45	15.73	1,438.77
1964	4,834.80	42.00	115.11	16.01	1,842.39
1965	17,249.21	42.00	410.67	16.28	6,685.55
1966	24,940.06	42.00	593.77	16.56	9,831.46
1967	35,974.52	42.00	856.48	16.84	14,422.31
1968	41,359.65	42.00	984.69	17.12	16,859.79
1969	52,946.80	42.00	1,260.56	17.41	21,945.59
1970	66,325.42	42.00	1,579.08	17.70	27,948.52
1971	101,614.43	42.00	2,419.24	17.99	43,529.82
1972	150,094.12	42.00	3,573.44	18.29	65,361.07
1973	347,694.44	42.00	8,277.91	18.59	153,892.70
1974	370,505.40	42.00	8,820.99	18.90	166,674.24
1975	507,657.85	42.00	12,086.32	19.20	232,098.51
1976	567,974.90	42.00	13,522.34	19.51	263,877.29
1977	644,351.30	42.00	15,340.71	19.83	304,201.31
1978	867,275.38	42.00	20,648.09	20.15	416,024.81
1979	1,041,718.25	42.00	24,801.22	20.47	507,716.59

DESC
Electric Division
373.00 Street Lighting and Signal Systems
Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 42 Survivor Curve: LI

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1980	888,826.52	42.00	21,161.18	20.80	440,124.14
1981	1,302,926.69	42.00	31,020.07	21.13	655,430.74
1982	1,697,335.23	42.00	40,410.15	21.46	867,385.30
1983	1,673,288.23	42.00	39,837.64	21.80	868,625.88
1984	1,839,259.08	42.00	43,789.07	22.15	969,814.67
1985	2,359,824.44	42.00	56,182.69	22.50	1,263,863.95
1986	2,410,492.75	42.00	57,389.00	22.85	1,311,220.08
1987	3,274,172.48	42.00	77,951.48	23.21	1,808,870.14
1988	2,719,971.86	42.00	64,757.08	23.57	1,526,123.79
1989	2,160,304.60	42.00	51,432.52	23.93	1,230,944.06
1990	1,750,008.93	42.00	41,664.20	24.30	1,012,628.08
1991	2,822,182.47	42.00	67,190.51	24.68	1,658,304.63
1992	5,087,207.26	42.00	121,116.21	25.06	3,035,395.17
1993	5,014,105.08	42.00	119,375.79	25.45	3,037,891.63
1994	5,086,877.05	42.00	121,108.35	25.84	3,129,421.17
1995	5,645,587.85	42.00	134,410.13	26.24	3,526,790.99
1996	5,885,638.27	42.00	140,125.25	26.65	3,734,138.69
1997	6,321,852.08	42.00	150,510.63	27.07	4,074,762.65
1998	6,998,146.68	42.00	166,611.85	27.51	4,583,890.01
1999	8,310,328.00	42.00	197,852.25	27.97	5,534,276.06
2000	9,311,391.90	42.00	221,685.58	28.45	6,307,135.48
2001	9,256,882.31	42.00	220,387.81	28.95	6,380,624.38
2002	10,409,353.47	42.00	247,825.84	29.48	7,305,763.40
2003	9,713,898.37	42.00	231,268.45	30.03	6,945,084.66
2004	9,118,482.63	42.00	217,092.79	30.61	6,644,600.04
2005	12,588,904.20	42.00	299,716.58	31.22	9,355,702.92
2006	13,497,671.73	42.00	321,352.51	31.85	10,234,390.86

DESC
Electric Division
373.00 Street Lighting and Signal Systems
Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2018
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 42 Survivor Curve: LI

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
(1)	(2)	(3)	(4)	(5)	(6)
2007	18,253,568.36	42.00	434,580.87	32.51	14,128,923.82
2008	12,144,360.78	42.00	289,132.89	33.20	9,599,707.40
2009	14,369,719.69	42.00	342,114.22	33.92	11,604,321.92
2010	13,633,636.05	42.00	324,589.55	34.67	11,253,073.45
2011	12,860,940.46	42.00	306,193.21	35.44	10,852,187.20
2012	14,131,762.34	42.00	336,448.94	36.24	12,194,416.92
2013	16,041,072.44	42.00	381,905.78	37.07	14,157,480.59
2014	14,475,919.26	42.00	344,642.62	37.92	13,068,934.48
2015	17,142,682.35	42.00	408,132.91	38.79	15,833,441.38
2016	20,142,275.08	42.00	479,547.20	39.69	19,032,458.95
2017	18,891,148.85	42.00	449,760.39	40.60	18,260,546.93
2018	22,846,914.70	42.00	543,939.24	41.53	22,590,924.93
Total	346,934,033.09	42.00	8,259,803.92	32.96	272,277,105.29

Composite Average Remaining Life ... 32.96 Years