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24-00082

December 5, 2024

Via E-mail and U.S. Mail

David F. Jones, Chairman
c/o Ectory Lawless - Docket Room
Tennessee Public Utility Commission
502 Deaderick Street, Fourth Floor
Nashville, Tennessee 37243

Electronically Filed in TPUC Docket Room
on December 5, 2024 at 8:42 a.m.

Re: Notice of Filing Depreciation Study and Request for Approval of New Depreciation Rates

Dear Chairman Jones,

Enclosed for electronic filing with the Commission is Piedmont Natural Gas Company, Inc.'s ("Piedmont") Notice of Filing Depreciation Study and Request for Approval of New Depreciation Rates, Direct Testimony of Misty Lyons, and Direct Testimony and Exhibits of Dane A. Watson.

The \$25.00 filing fee is being delivered today to the Commission docket Manager, Ectory Lawless, and an original and two copies are being sent directly from McGuireWoods LLP's Charlotte office. This material is also being filed today by way of email to Ms. Lawless. Please file the original and provide a "filed" stamped copy of the same via email.

Thank you for your assistance with this matter. If you have any questions about this filing, you may reach me at the number shown above.

Sincerely yours,

HOLLAND & KNIGHT LLP



Paul S. Davidson

PSD/jv
Enclosures

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Houston | Jacksonville | Los Angeles | Miami | Nashville | Newport Beach | New York | Orlando | Philadelphia
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December 5, 2024

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cc: Michelle Mairs
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David Foster
Karen Stachowski
Victoria Glover
Brian S. Heslin
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James H. Jeffries IV
Brian L. Franklin
Mason E. Maney
Jason A. Richardson

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

IN RE:

PIEDMONT NATURAL GAS	)	
COMPANY, INC. WHOLLY	)	
DEDICATED FIXED ASSETS FOR	)	Docket No. <u>24-00082</u>
TENNESSEE, SOUTH CAROLINA,	)	
AND NORTH CAROLINA AND ITS 2-	)	
STATE AND 3-STATE FIXED ASSETS	)	
DEPRECIATION STUDY		

**NOTICE OF FILING DEPRECIATION STUDY
AND
REQUEST FOR APPROVAL OF NEW DEPRECIATION RATES**

Piedmont Natural Gas Company, Inc.’s (“Piedmont” or the “Company”) Service Schedule No. 318 Annual Review Mechanism (“ARM”), as originally approved in Docket No. 21-00135 as revised in Docket No. 24-00036 provides:

Depreciation expenses shall be computed as annualized depreciation expense aligned with the actual December 31 [Historic Base Period] balance of Utility Plant in Service. Depreciation expenses shall be computed using the depreciation rates approved by the Commission in the Company’s most recent general rate case or any subsequent approval.¹

Pursuant to this tariff provision, Piedmont respectfully files the Depreciation Rate Study (“Study”) of Mr. Dane A. Watson, a depreciation expert that Piedmont retained to complete a Study at December 31, 2022, for Piedmont’s wholly dedicated fixed assets for Tennessee, North Carolina, South Carolina, as well as Piedmont’s 2-State and 3-State dedicated fixed assets. Piedmont also requests approval of the resulting new depreciation rates for prospective implementation by the Company. Specifically, if approved, Piedmont intends to utilize the new depreciation rates for ratemaking purposes pursuant to the

¹ Piedmont’s Commission-Approved Tennessee Service Schedule No. 318, page 12.

computation of new Base Margin Rates that would become effective October 1, 2025, as part of Piedmont's 2025 Annual ARM proceeding. Consistent with that timing, Piedmont would also utilize the new depreciation rates for its per book depreciation purposes starting October 1, 2025.

As shown in the Study and in the supporting direct testimonies of witness Watson and Piedmont witness Misty L. Lyons, the application of the new depreciation rates for Piedmont's wholly dedicated fixed assets for Tennessee and for its 3-State fixed assets will produce a net increase in depreciation expense for Piedmont's operations in Tennessee compared to the existing depreciation rates.²

With this Notice and Request, Piedmont has filed witness Lyons' and witness Watson's direct testimonies. Witness Watson's direct testimony includes the following two exhibits:

- DAW-1 – Dane A. Watson Testimony Appearances
- DAW-2 – Piedmont Natural Gas Company Inc.'s Gas Depreciation Rate Study at December 31, 2022

WHEREFORE, Piedmont Natural Gas Company, Inc. respectfully requests that the Commission approve the new depreciation rates as set forth in the Study for prospective use by the Company, as described herein, as part of its 2025 Annual ARM proceeding setting forth new Base Margin Rates effective October 1, 2025, and for book depreciation purposes concurrent with the implementation of new Base Margin Rates in Piedmont's 2025 Annual ARM proceeding.

² Note that neither the existing depreciation rates nor the proposed depreciation rates pertaining to Piedmont's wholly dedicated fixed assets for North Carolina and South Carolina have any bearing on or applicability to Piedmont's operations and cost of service in Tennessee. That is also the case with respect to the depreciation rates for Piedmont's 2-State dedicated fixed assets.

Respectfully submitted this 5th day of December, 2024.

Piedmont Natural Gas Company, Inc.

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³ Pro hac vice applications will be filed on behalf of Mr. Jeffries, Mr. Franklin, and Mr. Richardson upon docketing of this matter.

**Before the
Tennessee Public Utility Commission**

Docket No. 24-000__

**Notice of Filing Depreciation Study
and
Request for Approval of New Depreciation Rates**

**Direct Testimony
of
Misty Lyons**

**On Behalf Of
Piedmont Natural Gas Company, Inc.**



December 5, 2024

1 **Q. MS. LYONS, PLEASE STATE YOUR NAME AND BUSINESS**
2 **ADDRESS.**

3 A. My name is Misty Lyons. My business address is 525 S. Tryon Street, Charlotte,
4 North Carolina.

5 **Q. BY WHOM AND IN WHAT CAPACITY ARE YOU EMPLOYED?**

6 A. I am a Rates and Regulatory Strategy Manager for Piedmont Natural Gas
7 Company, Inc. (“Piedmont” or the “Company”).

8 **Q. PLEASE DESCRIBE YOUR EDUCATIONAL AND PROFESSIONAL**
9 **BACKGROUND.**

10 A. I graduated from the North Carolina Agricultural and Technical State
11 University in 1995, earning a Bachelor of Science degree in Accounting. I
12 worked as auditor for both Deloitte and Ingersoll Rand for several years before
13 joining Duke Energy. I was hired by Duke Energy Corporation, the parent
14 company of Piedmont, in July 1999 as a Business Analyst in the Corporate
15 External Reporting department. Since then, I have worked in various
16 accounting roles including within Duke Energy’s FERC Reporting department
17 and Duke Energy Carolinas, LLC’s Rates and Regulatory department. I joined
18 Piedmont’s Rates and Regulatory team in October 2022.

19 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE TENNESSEE**
20 **PUBLIC UTILITY COMMISSION (“COMMISSION”) OR ANY**
21 **OTHER REGULATORY AUTHORITY?**

22 A. Yes. I previously testified in Piedmont’s 2024 Annual ARM proceeding in
23 Docket No. 24-00036, initiated by Piedmont on May 20, 2024, in compliance

1 with the terms of its Commission approved Service Schedule No. 318, Annual
2 Review Mechanism (ARM) (“ARM Tariff”).

3 **Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY IN THIS**
4 **PROCEEDING?**

5 A. My testimony supports the Gas Depreciation Rate Study at December 31, 2022
6 (“Study”), performed by Alliance Consulting Group for Piedmont and attached
7 as Exhibit DAW-2 to the Direct Testimony of Company witness Dane A.
8 Watson. The Study calculates updated depreciation rates for Piedmont’s wholly
9 dedicated fixed assets for Tennessee (“Tennessee Direct”) and for its multi-state
10 dedicated fixed assets referred to as Piedmont’s 3-State (“Corporate 3-State”)
11 fixed assets, which jointly support Piedmont’s operations in Tennessee, North
12 Carolina, and South Carolina.¹ As a result of the findings presented in the
13 Study, the Company recommends approval for prospective use of the proposed
14 Tennessee Direct and Corporate 3-State annual depreciation rates for each
15 property group shown in Appendices B3 and B5 of the Study, as well as
16 adoption of the recommended reallocation of book reserves.

17 **Q. WHEN DID THIS COMMISSION LAST APPROVE PIEDMONT’S**
18 **TENNESSEE DIRECT ASSET DEPRECIATION RATES?**

19 A. This Commission last approved the depreciation rates on Piedmont’s Tennessee
20 Direct Assets in its May 6, 2021, *Order Approving Settlement Agreement Setting*

¹ The Study also calculates updated depreciation rate for Piedmont’s wholly dedicated fixed assets for North Carolina and for South Carolina, as well as for Piedmont’s 2-State dedicated fixed assets which jointly support Piedmont’s operations in North Carolina and South Carolina. However, none of these depreciation rates are applicable to Piedmont’s operations or cost of service in Tennessee.

1 *Rates and Approving the Procedures for Refunds to Customers*, Docket No. 20-
2 00086 (“Order”). Those depreciation rates were based on a depreciation study
3 as of December 31, 2019, for Tennessee Direct Assets.

4 **Q. WHEN DID THIS COMMISSION LAST APPROVE PIEDMONT’S**
5 **DEPRECIATION RATES FOR ITS CORPORATE 3-STATE ASSETS?**

6 A. On December 29, 2022, as required by the Order, Piedmont submitted a
7 Depreciation Rate Study of Piedmont’s Corporate 3-State Assets as of
8 December 31, 2021 (“2021 Study”). This Commission approved these
9 depreciation rates in the 2023 Annual ARM proceeding, Docket No. 23-00035.

10 **Q. PLEASE EXPLAIN WHY PIEDMONT IS SUBMITTING THE STUDY**
11 **FOR COMMISSION CONSIDERATION AT THIS TIME.**

12 A. The Company originally submitted the Study as part of its 2024 Annual ARM
13 Filing, submitted on May 20, 2024, in Docket No. 24-00036. After subsequent
14 collaborative discussion with the Consumer Advocate in that docket, however,
15 the parties agreed to exclude consideration of any new depreciation rates from
16 that docket. Accordingly, the Commission did not act on the Study as part of
17 the Company’s 2024 Annual ARM proceeding nor were the proposed rates
18 from the Study utilized in any way in ratemaking in that docket. Piedmont now
19 submits the Study for review and approval by the Commission.

20 **Q. WHEN IS PIEDMONT SEEKING TO IMPLEMENT THE NEW**
21 **DEPRECIATION RATES, IF APPROVED?**

22 A. After approval of the proposed depreciation rates in this docket, Piedmont
23 would seek to implement the new Tennessee Direct and new Corporate 3-State

1 depreciation rates for ratemaking purposes as part of its 2025 Annual ARM
2 proceeding, in compliance with the terms of its ARM Tariff. Specifically, as
3 required by its ARM Tariff, the computation of the Annual Base Rate Reset
4 Revenue Requirement Deficiency (Sufficiency) in the Company's 2025 Annual
5 ARM proceeding would include utilization of the new depreciation rates for
6 computing annualized depreciation expense. This requirement is delineated on
7 page 12 of the ARM Tariff, as follows:

8 Depreciation expenses shall be computed as annualized depreciation
9 expense aligned with the actual December 31 [Historic Base Period]
10 balance of Utility Plant in Service. Depreciation expenses shall be
11 computed using the depreciation rates approved by the Commission in
12 the Company's most recent general rate case or any subsequent
13 approval.

14 Piedmont would also implement the new Tennessee Direct and new Corporate
15 3-State depreciation rates for per book depreciation purposes beginning
16 October 1, 2025, in alignment with the effective date of new Base Margin Rates
17 established in the 2025 Annual ARM proceeding.

18 **Q. PLEASE EXPLAIN THE IMPACT OF USING THE PROPOSED**
19 **TENNESSEE DIRECT AND CORPORATE 3-STATE DEPRECIATION**
20 **RATES.**

21 A. The precise financial impact of utilizing the proposed depreciation rates would
22 be determined in the Company's 2025 Annual ARM proceeding – a proceeding
23 that will be initiated by Piedmont's Annual ARM Filing submission on May 20,
24 2025. Ratemaking in that forthcoming docket will be based upon a Historic
25 Base Period of calendar year 2024. Accordingly, the calculation of annualized

1 depreciation expense for use in the Annual Base Rate Reset in the 2025 Annual
2 ARM proceeding, would result in the application of the depreciation rates
3 proposed herein (if ultimately approved) to Piedmont's actual Utility Plant in
4 Service balance by plant account as of December 31, 2024. Such Piedmont
5 Utility Plant in Service balances are not known at the present time.

6 The Study quantifies the annual increase in depreciation expense of
7 approximately \$3.6 million for Tennessee, based on the Company's actual
8 Piedmont Utility Plant in Service balances as of December 31, 2021. The
9 Tennessee Direct increase is approximately \$3.6 million and the Corporate 3-
10 State increase is approximately \$0.9 million. As explained by witness Watson,
11 the drivers for the change in annual depreciation expense are changes in
12 removal cost and lives that Piedmont experienced across its system, along with
13 increased investment and the reserve levels. Witness Watson's Direct
14 Testimony and Exhibit DAW-2 provide a more detailed discussion with respect
15 to the derivation and support for the new depreciation rates.

16 **Q. WITH THE SUBMISSION OF THIS STUDY, WHAT ACTION DOES**
17 **PIEDMONT REQUEST FROM THE COMMISSION IN THIS**
18 **DOCKET?**

19 **A.** Piedmont requests the following actions from the Commission in this docket in
20 connection with the submission of the Study:

- 21 • Approval of Piedmont's proposed depreciation rates for Tennessee
22 Direct and Corporate 3-State, which are shown for each property group
23 shown in Appendices B3 and B5 of the Study; and

- 1 • Approval of the proposed reallocation of book reserves recommended
2 in the Study.

3 **Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY AT THIS**
4 **TIME?**

5 A. Yes.

**Before the
Tennessee Public Utility Commission**

Docket No. 24-000__

**Notice of Filing Depreciation Study
and
Request for Approval of New Depreciation Rates**

**Direct Testimony
of
Dane A. Watson, PE CDP
Partner, Alliance Consulting Group**

**On Behalf Of
Piedmont Natural Gas Company, Inc.**



December 5, 2024

INDEX TO THE DIRECT TESTIMONY
OF DANE A. WATSON, WITNESS FOR
PIEDMONT NATURAL GAS COMPANY, INC.

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EXHIBITS

- DAW-1 — Dane A. Watson Testimony Appearances
- DAW-2 — Piedmont Natural Gas Company, Inc.’s Gas Depreciation Rate Study at December 31, 2022

I. INTRODUCTION AND PURPOSE

Q. PLEASE STATE YOUR NAME AND ADDRESS.

A. My name is Dane A. Watson, and my business address is 101 E. Park Blvd., Suite 220, Plano, Texas 75074. I am a Partner of Alliance Consulting Group. Alliance Consulting Group provides consulting and expert services to the utility industry.

Q. WHAT IS YOUR EDUCATIONAL BACKGROUND?

A. I hold a Bachelor of Science degree in Electrical Engineering from the University of Arkansas at Fayetteville and a Master's Degree in Business Administration from Amberton University.

Q. DO YOU HOLD ANY SPECIAL CERTIFICATION AS A DEPRECIATION EXPERT?

A. Yes. The Society of Depreciation Professionals has established national standards for depreciation professionals, administers an examination, and requires certain qualifications to become certified in this field. I met all requirements and have become a Certified Depreciation Professional.

Q. PLEASE BRIEFLY DESCRIBE YOUR PROFESSIONAL QUALIFICATIONS.

A. Since graduation from college in 1985, I have worked in the area of depreciation and valuation. I founded Alliance Consulting Group in 2004 and am responsible for conducting depreciation, valuation, and certain other accounting-related studies for utilities in various regulated industries. My duties related to depreciation studies include the assembly and analysis of historical and

1 simulated data, conducting field reviews, determining service life and net
2 salvage estimates, calculating annual depreciation, presenting recommended
3 depreciation rates to utility management for its consideration, and supporting
4 such rates before regulatory bodies.

5 My prior employment from 1985 to 2004 was with Texas Utilities
6 (“TXU”). During my tenure with TXU, I was responsible for, among other
7 things, conducting valuation and depreciation studies for the domestic TXU
8 companies. During that time, I also served as Manager of Property Accounting
9 Services and Records Management in addition to my depreciation
10 responsibilities.

11 **Q. HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY BEFORE THE**
12 **TENNESSEE PUBLIC UTILITY COMMISSION (“COMMISSION”) ?**

13 A. Yes, I filed direct testimony on behalf of Piedmont Natural Gas Company,
14 Inc. (“Piedmont” or “Company”) in Docket No. 20-00086, and Chattanooga
15 Gas in Docket No. 18-00017.

16 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE OTHER STATE**
17 **AND/OR FEDERAL REGULATORY COMMISSIONS?**

18 A. Yes. During my 39-year career in performing depreciation studies, I have filed
19 written testimony and appeared before numerous state regulatory bodies, as
20 well as the Federal Energy Regulatory Commission (“FERC”). A complete list
21 of the proceedings, in which I have filed written testimony, and/or testified
22 before various state and federal commissions, is provided in Exhibit DAW-1.

1 **Q. ARE YOU SPONSORING ANY EXHIBITS IN THIS PROCEEDING?**

2 A. Yes. I am sponsoring the following exhibits:

- 3 • DAW-1 — Dane A. Watson Testimony Appearances.
- 4 • DAW-2 — Piedmont Natural Gas Company Inc.’s Gas Depreciation
- 5 Rate Study at December 31, 2022 (“Study”).

6 **Q. WERE THESE EXHIBITS PREPARED BY YOU OR UNDER YOUR**
7 **SUPERVISION AND CONTROL?**

8 A. Yes. The Study is attached to my testimony as Exhibit DAW-2, and it analyzes
9 the life and net salvage percentage for all of Piedmont’s gas assets operating at
10 December 31, 2022. While the Study encompasses all property and is discussed
11 as a system, the annual depreciation expense accruals and rates being submitted
12 to this Commission for approval are limited to Tennessee direct and 3-State
13 assets.

14 **Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY IN THIS**
15 **PROCEEDING?**

16 A. I sponsor and support the Study performed for Piedmont of its wholly dedicated
17 fixed assets for Tennessee, North Carolina, and South Carolina, 2-State, and its
18 multi-state dedicated fixed assets referred to as 3-State (“Corporate”) fixed
19 assets, which jointly support Piedmont’s operations in Tennessee, North
20 Carolina, and South Carolina. This Study combines the historical data from
21 each entity into one database for analysis, which is the basis for the life and net
22 salvage recommendations on a “system” basis. Those were then applied to the
23 direct property in each state and 3-State specific plant balances and reserve

1 balances at December 31, 2022, to calculate the annual depreciation expense
2 and accrual rates. The life and net salvage analysis for all three states direct
3 plant, 2-state, and 3-state were combined, which results in one life and net
4 salvage parameter recommendation for each account. Those parameters were
5 then used to calculate separate annual depreciation accruals based on individual
6 plant and reserves for the direct property of the three states, 2-State, and 3-State.

7 **Q. PLEASE SUMMARIZE YOUR CONCLUSIONS.**

8 A. The Study, which encompasses all fixed assets for Piedmont, results in an
9 overall increase of approximately \$18.8 million in annual depreciation expense
10 compared to the annualized current depreciation expense being recorded at
11 December 31, 2022. In this proceeding, the Study only addresses the Tennessee
12 and 3-State property, which resulted in approximately a \$4.5 million increase
13 in depreciation expense. The Tennessee direct increase is approximately \$3.6
14 million and 3-State is an increase of approximately \$0.9 million. The changes
15 in removal cost and lives that Piedmont experienced across its system, along
16 with increased investment, and the reserve levels, are the drivers for the change
17 in annual depreciation expense. The Piedmont Study is attached to my
18 testimony as Exhibit DAW-2. I recommend adoption of the proposed Tennessee
19 and 3-State annual depreciation rates for each property group shown in
20 Appendix B3 and B5 of the Study, as well as adoption of the reallocated book
21 reserves.

II. OVERVIEW OF APPROACH AND TECHNIQUES

1 **Q. PLEASE DESCRIBE YOUR DEPRECIATION STUDY APPROACH.**

2 A. I conducted the Study in four phases as shown in my Exhibit DAW-2. The four
3 phases are: Data Collection, Analysis, Evaluation, and Calculation. During the
4 initial phase of the study, I collected historical data to be used in the analysis.
5 After the data was assembled, I performed analyses to determine the life and
6 net salvage percentage for the different property groups being studied. Using
7 the same methodology used in the prior study, the historical asset data for all
8 entities were combined for life and net salvage analysis; however, the annual
9 depreciation rates were computed separately. As part of this process, I conferred
10 with field personnel, engineers, and managers responsible for the installation,
11 operation, and removal of the assets to gain their input into the operation,
12 maintenance, and salvage of the assets. The information obtained from field
13 personnel, engineers, and managerial personnel, combined with the study
14 results, was then evaluated to determine how the results of the historical asset
15 activity analysis, in conjunction with Piedmont's expected future plans, should
16 be applied. Using all of these resources, I then calculated separate depreciation
17 rates for each account and function for each entity.

18 **Q. WHAT DEFINITION OF DEPRECIATION HAVE YOU USED FOR**
19 **THE PURPOSES OF CONDUCTING THE STUDY AND PREPARING**
20 **YOUR TESTIMONY?**

21 A. The term "depreciation," as used herein, is considered in the accounting sense;
22 that is, a system of accounting that distributes the cost of assets, less net salvage

1 (if any), over the estimated useful life of the assets in a systematic and rational
2 manner. Depreciation is a process of allocation, not valuation. Depreciation
3 expense is systematically allocated to accounting periods over the life of the
4 properties. The amount allocated to any one accounting period does not
5 necessarily represent the loss or decrease in value that will occur during that
6 particular period. Thus, depreciation is considered an expense or cost, rather
7 than a loss or decrease in value. Piedmont accrues depreciation based on the
8 original cost of all property included in each depreciable plant account. On
9 retirement, the full cost of depreciable property, less the net salvage amount, if
10 any, is charged to the depreciation reserve.

11 **Q. WHAT PROPERTY IS INCLUDED IN THE STUDY?**

12 A. There are four general classes, or functional groups, of depreciable property:
13 Storage Plant, Transmission Plant, Distribution Plant, and General Plant.
14 Intangible Plant was excluded from the Study. The Storage Plant functional
15 group primarily consists of facilities that store natural gas for use as needed.
16 The Transmission Plant functional group primarily consists of high and
17 intermediate pressure transmission assets that deliver gas to various receipt
18 points or city gates. The Distribution Plant functional group primarily consists
19 of lines and associated facilities used to distribute gas within the locale served
20 by Piedmont. General Plant property is not location specific but is used to
21 support the overall distribution of gas to its customers.

1 **Q. WHAT TIME PERIOD DID YOU USE TO DEVELOP THE PROPOSED**
2 **DEPRECIATION RATES?**

3 A. The account level depreciation rates were developed based on the depreciable
4 property recorded on Piedmont's books at December 31, 2022.

5 **Q. WHAT DEPRECIATION METHODOLOGY DID YOU USE?**

6 A. Consistent with the previously approved studies, the straight-line, Average Life
7 Group ("ALG") remaining-life depreciation system was employed to calculate
8 annual and accrued depreciation in this Study.

9 **Q. HOW ARE THE DEPRECIATION RATES DETERMINED USING THE**
10 **ALG PROCEDURE?**

11 A. In this system, the annual depreciation expense for each group was computed
12 by dividing the original cost of the asset, less allocated depreciation reserve,
13 less estimated net salvage, by its respective average life group remaining life.
14 The resulting annual accrual amounts of all depreciable property within an
15 account were accumulated, and the total was divided by the original cost of all
16 depreciable property within the account to determine the depreciation rate. The
17 calculated remaining lives and annual depreciation accrual rates were based on
18 attained ages of plant in service and the estimated service life and salvage
19 characteristics of each depreciable group. The computations of the annual
20 depreciation rates are shown in Appendix A of my Exhibit DAW-2.

1 **Q. WHAT FACTORS INFLUENCE THE DEPRECIATION RATES FOR**
2 **AN ACCOUNT?**

3 A. The primary factors that influence the depreciation rate for an account are: 1)
4 the remaining investment to be recovered in the account; 2) the depreciable life
5 of the account; and 3) the net salvage for the account.

6 **Q. WHICH OF THESE FACTORS INFLUENCED THE DEPRECIATION**
7 **RATES FOR PIEDMONT?**

8 A. All of these factors influenced the proposed depreciation rates for Piedmont.
9 Adjustments in the average service lives and net salvage factors for various
10 accounts combined with the historical book reserve level are what influenced
11 the proposed depreciation rates.

12 **Q. AS PART OF YOUR DEPRECIATION ANALYSIS, HAVE YOU TAKEN**
13 **ANY ACTION TO PROPERLY ALIGN PIEDMONT'S DEPRECIATION**
14 **RESERVE WITH THE LIFE CHARACTERISTICS OF THE ASSETS**
15 **WITHIN EACH PLANT FUNCTION?**

16 A. Yes. In the process of analyzing the Company's depreciation reserve, I observed
17 that the depreciation reserve positions of the various accounts needed to be re-
18 balanced based on my recommended service lives and net salvage ratios. To
19 allow the relative reserve positions of each account within a function to mirror
20 the life characteristics of the underlying assets, I reallocated the depreciation
21 reserves for all accounts within each function.

1 **Q. IS A DEPRECIATION RESERVE REALLOCATION A SOUND**
2 **DEPRECIATION PRACTICE?**

3 A. Yes. The practice of depreciation reserve allocation is widely recognized and
4 commonly practiced as part of a comprehensive depreciation study for the
5 purposes of setting regulated rates where changes in services lives result in an
6 imbalance between the theoretical and book reserve.¹

7 **Q. DOES THE REALLOCATION OF THE DEPRECIATION RESERVE**
8 **CHANGE THE TOTAL RESERVE?**

9 A. No. The depreciation reserve represents the amounts that customers have
10 contributed to the return of the investment. The reallocation process does not
11 change the total reserve for each function; it simply reallocates the reserve
12 between accounts within each function.

III. ANALYSIS OF NET SALVAGE VALUES

13 **Q. WHAT IS NET SALVAGE?**

14 A. While discussed more fully in the study itself, net salvage is the difference
15 between the gross salvage (what the asset was sold for) and the removal cost
16 (cost to remove and dispose of the asset). Salvage and removal cost percentages
17 are calculated by dividing the current cost of salvage or removal by the original
18 installed cost of the asset. Some plant assets can experience significant negative
19 removal cost percentages due to the amount of removal cost and the timing of
20 the addition versus the retirement. For example, a Distribution asset in FERC

¹ *Public Utility Depreciation Practices*, NARUC (1968), p. 48; *Public Utility Depreciation Practices*, NARUC (1996), p. 188.

1 Account 376, Mains, with a current installed cost of \$500 (in 2022 dollars)
2 would have had an installed cost of \$15.67 in 1954.² A removal cost of \$50 for
3 the asset calculated (incorrectly) on current installed cost would only have a
4 negative 10 percent removal cost ($\$50/\500). However, a correct removal cost
5 calculation would show a negative 319 percent removal cost for that asset
6 ($\$50/\15.68). Inflation from the time of installation of the asset until the time
7 of its removal must be considered in the calculation of the removal cost
8 percentage because the depreciation rate, which includes the removal cost
9 percentage, will be applied to the original installed cost of assets.

10 **Q. HOW DID YOU DETERMINE THE NET SALVAGE PERCENTAGES**
11 **FOR EACH ASSET GROUP?**

12 A. The establishment of appropriate net salvage percentages for each account
13 was determined by analyzing retirements, gross salvage, and cost of removal
14 data for each account from 2003-2022. The net salvage as a percent of
15 retirements for various bands (i.e. groupings of years such as the five-year
16 average) for each account is shown in Appendix D of my Exhibit DAW-2. I
17 evaluated the most recent 5 and 10-year moving averages for each account to
18 determine the range and trends. In some accounts I used judgment to moderate
19 the change in net salvage recommendations. Judgment was used to select a net
20 salvage percentage that represents the future expectations for each account on

² Using the Handy-Whitman Bulletin No. 198, G-2, line 44, $\$15.68 = \$500 \times 39/1244$.

1 a system basis. The proposed net salvage percent for each account is shown
2 below in Table 4.

3 **Q. PLEASE DESCRIBE SOME OF THE CHANGES IN THE NET**
4 **SALVAGE PERCENTAGES FOR THE VARIOUS ACCOUNTS.**

5 A. The detailed analysis of each account is described fully in Exhibit DAW-2.
6 Examples of some of the changes in net salvage are:

- 7 • For Tennessee net salvage increased (less negative/more positive) in
8 four accounts, net salvage decreased (more negative/less positive) in 12
9 accounts, net salvage remained the same in 22 accounts, and the
10 remaining 12 accounts where no comparison was possible. The largest
11 changes, a decrease (more negative) from negative 5 percent to negative
12 30 percent, is in Transmission Account 267 Mains and Distribution
13 Mains Account 276 moved from negative 10 percent to negative 30
14 percent; Services Account 380 had an increase (less negative) and
15 moved from a negative 100 percent to negative 90 percent; and net
16 salvage increased (more positive) in Account 29244 Transportation
17 Trailers & Other from positive 5 percent to positive 25 percent.
- 18 • 3-State (Corporate) had one account, Account 29241 Transportation 5-
19 Year Rural increase from positive 23 percent to positive 25 percent and
20 two transportation accounts, 29240 - 3 Year Meter Reading and 29242 -
21 7 Year Urban, decrease from positive 30 percent to positive 25 percent.
22 The remaining accounts had either no change or no comparison was
23 possible.

IV. ANALYSIS OF AVERAGE SERVICE LIVES

Q. PLEASE DESCRIBE SOME OF THE CHANGES IN THE AVERAGE SERVICE LIVES FOR THE VARIOUS ACCOUNTS.

A. The detailed analysis of each account is described fully in Exhibit DAW-2. Examples of some of the changes in average service lives are:

- For Tennessee there are 16 lives that are decreasing, 4 lives increasing, 18 lives that remained the same, and for the remaining 12 accounts, no comparison was possible. The largest change in life was Account 27500 Structures & Improvements, which moved from a 29-year life to a 50-year life. Account 27800 M&R Station Equipment moved from 35 years to 48 years.
- The 3-State (Corporate) lives have 1 life increasing, 4 lives decreasing, and 10 lives that remained the same. The largest life change in 3-State is a 10-year increase in life for Account 28105 Meter Accessories, ERTS that moved from 15 years to 25 years.

Q. WHAT METHOD DID YOU USE TO ANALYZE HISTORICAL DATA TO DETERMINE LIFE CHARACTERISTICS?

A. All accounts, where sufficient data existed, were analyzed using actuarial analysis (retirement rate method) to estimate the life of property. In much the same manner as human mortality is analyzed by actuaries, depreciation analysts use models of property mortality characteristics that have been validated in research and empirical applications. Further detail is found in the Life Analysis section of Exhibit DAW-2.

Q. HOW DID YOU DETERMINE THE AVERAGE SERVICE LIVES FOR EACH ASSET GROUP?

A. Actuarial analysis combined vintage plant from all entities to determine one average service life and mortality curve for each account. Graphs and tables supporting the actuarial analysis and the chosen Iowa Curves used to determine the average service lives for analyzed accounts are found in the Life Analysis section of my Exhibit DAW-2. A summary of the proposed life parameters including average service life and mortality curve for each account is shown below in Table 1.

Table 1 - Piedmont Natural Gas Life & Net Salvage Parameters				
SYSTEM PROPOSED				
Acct	Description	Life	Curve	NS
STORAGE PLANT				
26001	Land Rights	80	R5	0%
26100	Structures & Improvements	45	R4	-15%
26200	Gas Holders	70	R5	-15%
26300	Purification Equipment	30	S5	-10%
26310	Liquefaction Equipment	40	R4	-10%
26320	Vaporizing Equipment	30	S5	-5%
26330	Compressor Equipment	40	R4	-10%
26340	M&R Equipment	40	S5	-10%
26350	Other Equipment	30	S5	-5%
TRANSMISSION PLANT				
26520	Land Rights	80	R4	0%
26610	Compressor Station Structures	50	R4	-5%
26620	M&R Station Structures	50	R4	-5%
26700	Mains	68	R4	-30%
26800	Compressor Station Equipment	35	R4	-10%
26900	M&R Station Equipment	50	R1	-10%
DISTRIBUTION PLANT				
27401	Land Rights	75	R4	0%
27500	Structures & Improvements	50	R4	-5%
27600	Mains	68	R4	-30%
27800	M&R Station Equipment	48	R0.5	-15%
27900	M&R City Gate Equipment	51	R1	-15%
28000	Services	60	R2	-90%
28100	Meters - Commercial & Industrial	32	R1	0%
28101	Meters - Residential	25	R1	0%

28104	Meter Accessories	25	R2	0%
28105	Meter Accessories, ERTs	25	R2	0%
28106	Honeywell AMI Meters - New Account	20		0%
28200	Meter Installations	31	LO	0%
28300	House Regulators	31	LO	0%
28400	House Regulator Installations	31	LO	0%
28500	Industrial M&R Station Equipment	55	R4	-10%
28600	Property on Customer Premises	40	R3	0%
28700	Other Equipment	26	L5	0%
GENERAL PLANT DEPRECIATED				
29000	Structures & Improvements	50	L1	-5%
29002	CNG Station Equipment	25	R3	-2%
29600	Power Operated Equipment	22	S1	13%
TRANSPORTATION EQUIPMENT				
29210	Passenger Cars & Station Wagon	7	S4	25%
29240	3 Year-Meter Reading Trucks	3	SQ	25%
29241	5 Year-Rural 1 ton or less	5	S4	25%
29242	7 Year-Urban 1 ton or less	7	L4	25%
29243	10 Year-Heavy Duty	10	L3	25%
29244	15 Year- Trailers & Other	10	S5	25%
GENERAL PLANT AMORTIZED				
29001	S&I Leasehold Improvements	14	SQ	-5%
29100	Office Furniture & Equipment	20	SQ	0%
29101	Electronic Data Processing	5	SQ	0%
29102	PC Equipment	5	SQ	0%
29300	Stores Equipment	20	SQ	0%
29400	Tools, Shop & Garage Equipment	20	SQ	0%
29500	Laboratory Equipment	20	SQ	0%
29700	Communications Equipment	15	SQ	0%
29800	Miscellaneous Equipment	20	SQ	0%
ACCOUNTS FULLY DEPRECIATED & RETIRED				
29103	Customer Information System			
29105	SaaS - 3 Yr. Contract			
29204	Lease Buyout			
*Note - Intangibles were excluded from the study				
**Note - PTC Proforma Retirements recorded in 2023 and 2024 were made for rate calculation.				

1 **Q. PLEASE SUMMARIZE THE STUDY RESULTS WITH RESPECT TO**
2 **DEPRECIATION RATES.**

3 A. Tables 2 and 3 provide a summary of the functional rates and change between
4 the approved depreciation rates and the recommended depreciation rates for
5 Tennessee direct and 3 State, respectively. Further detail is found in Appendices
6 B-3 and B-5 .

1

Table 2 - Direct

Description	Existing			Recommended		
	Plant Balance 12/31/2022	Rates %	Annual Accrual	Rates %	Annual Accrual	Increase / Decrease
Total Storage Plant	73,553,230	3.51%	2,578,571	3.20%	2,352,327	(226,245)
Total Transmission Plant	401,908,379	1.46%	5,855,891	1.99%	8,016,633	2,160,742
Total Distribution Plant	1,168,010,888	2.05%	23,904,870	2.24%	26,161,863	2,256,993
Total Depreciated Plant	1,689,110,028	2.02%	34,111,938	2.23%	37,712,538	3,600,600
Total General Amortized Plant	7,692,491.01	5.21%	400,726.66	5.21%	392,992	(7,735)
Total Depreciated & Amortized Plant	\$ 1,696,802,519	2.03%	\$ 34,512,665	2.25%	\$ 38,105,530	\$ 3,592,865

Table 3 – 3 State

Account Description	Existing			Recommended		
	Plant Balance 12/31/2022	Rate	Annual Accrual	Rate	Annual Accrual	Increase/ Decrease
DISTRIBUTION PLANT DEPRECIATED						
Total Distribution (excludes land)	30,574,945	10.40%	3,180,107	3.85%	1,177,655	(2,002,452)
Total General Depreciated (excludes land)	5,192,254	6.18%	320,656	10.94%	567,873	247,216
Total General Amortized	43,774,234	9.47%	4,144,141	15.43%	6,755,721	2,611,580
Total General Plant	48,966,488	9.12%	4,464,797	14.96%	7,323,593	2,858,796
Total Plant Depreciated & Amortized (excludes land)	\$ 79,541,433	9.61%	\$ 7,644,904	10.69%	\$ 8,501,248	\$ 856,345
ASSETS NOT INCLUDED IN STUDY						
Misc Intangible Plant - 5 Year	75,751,208	(3)				
Customer Information System	27,863	(3)				
Misc Intangible Plant - 10 Year	140,536,818	(3)				
Customer Information System	17,721,735	(4)				
Total Assets Not Included in Study	234,037,624					
PTC Retirements 2023 & 2024 General Plant	13,243,330	(5)				
General Amortized Assets Retired Age > ASL	16,044,697		(1,996,287)			
	342,867,084					
Total Plant Balance per General Ledger at 12/31/22	\$ 342,867,084					

2

As noted previously, and shown above, the change in annual depreciation

3

expense, for Tennessee and 3-State combined is an increase of approximately

4

\$4.5 million.

5

Q. HOW WILL PIEDMONT IMPLEMENT THE REALLOCATION OF ITS DEPRECIATION RESERVE IF THE COMMISSION APPROVES ITS PROPOSED RATES?

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7

8

A. If the Commission approves the proposed depreciation rates, Piedmont will reallocate the reserves on its books, at the time of implementation, to match the allocation performed in this Study.

9

10

V. CONCLUSION

**Q. PLEASE SUMMARIZE THE CONCLUSIONS YOU HAVE REACHED
AS A RESULT OF YOUR ANALYSIS.**

A. The Study and analysis fully support resetting annual depreciation rates for Piedmont at the level indicated in my testimony and in Exhibit DAW-2. In this way, all customers will be charged for their appropriate share of the capital expended for their benefit. The Study for Piedmont's depreciable property as of December 31, 2022, describes the extensive analysis performed and the resulting rates that are now appropriate for its respective property classes. Therefore, I recommend that this Commission:

1. Approve the Tennessee and 3-State annual depreciation rates for Piedmont from this Study in order to recover the Company's total investment in property over the estimated remaining life of the assets; and
2. Approve the recommended reallocation of the books reserves for Piedmont.

Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?

A. Yes, it does.

**PIEDMONT NATURAL GAS COMPANY, INC.
DIRECT TESTIMONY OF DANE A. WATSON**

EXHIBIT (DAW-1)

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
California	FERC	ER25-270-000	San Diego Gas and Electric	2024	TO6
Texas	Railroad Commission of Texas	00018879	Atmos West Texas	2024	Natural Gas Depreciation Study
South Carolina	South Carolina Public Service Commission	2024-179-G	Piedmont Natural Gas	2024	Natural Gas Depreciation Study
Michigan	Michigan Public Service Commission	U-21542	Upper Michigan Energy Resources Corporation	2024	Reciprocating Internal Combustion Engine (RICE) Units
California	California Public Utilities Commission	A2407003	California Water Service	2024	Water Depreciation Study
Alaska	Regulatory Commission of Alaska	U-24-017	Matanuska Electric Coop	2024	Electric Depreciation Study
New Mexico	Public Service of New Mexico	24-00089-UT	PNM Resources	2024	Electric Technical Update
Texas	Railroad Commission of Texas	17816	West Texas Gas	2024	Gas Depreciation Study
Texas	Public Utility Commission of Texas	56665	Texas Water Utilities	2024	Water Depreciation Study
Multi-state	FERC	EL24-60-000	Viridon Mid-Atlantic LLC	2024	Electric Depreciation Study
Multi-state	FERC	EL24-66-000	Viridon Southwest LLC	2024	Electric Depreciation Study
Multi-state	FERC	EL24-67-000	Viridon New York Inc.	2024	Electric Depreciation Study
Multi-state	FERC	EL24-69-000	Viridon Midcontinent LLC	2024	Electric Depreciation Study
North Carolina	North Carolina Utilities Commission	G-9, Sub 837	Piedmont Natural Gas	2024	Gas Depreciation Study
Mississippi	FERC	ER-24-1652-000	Mississippi Power Company	2024	Electric Depreciation Study
New Jersey	New Jersey Board of Public Utilities	GR24020158	Elizabethtown Gas Company	2024	Gas Depreciation Study
Texas New Mexico	FERC	ER24-1431-000	Southwestern Public Service Company	2024	Electric Technical Update
Missouri	Missouri Public Service Commission	WR-2024-0104	Liberty Utilities Missouri Water	2024	Water Depreciation Study
Missouri	Missouri Public Service Commission	SR-2024-0105	Liberty Utilities Missouri Waste Water	2024	Waste Water Depreciation Study
Texas	Public Utility Commission of Texas	56211	CenterPoint	2024	Electric Depreciation Study
California	California Public Utilities Commission	A.24-01-001	San Jose Water Co	2024	Water/Wastewater Depreciation Study
Missouri	Missouri Public Service Commission	GR-2024-0106	Liberty Utilities Mid States Gas	2024	Gas Depreciation Study
Pennsylvania	Pennsylvania Public Utility Commission	R-2024-3045193	Veolia Pennsylvania	2024	WasteWater Depreciation Study
Pennsylvania	Pennsylvania Public Utility Commission	R-2024-3045192	Veolia Pennsylvania	2024	Water Depreciation Study

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
Arkansas	Arkansas Public Service Commission	23-079-U	Summit Utilities Arkansas	2024	Gas Depreciation Study
Colorado	Colorado Public Utilities Commission	23A-0632G	Atmos Energy	2023	Gas Clean Heat Plan
Illinois	Illinois Commerce Commission	24-0043	Liberty Mid States Gas-Illinois	2023	Gas Depreciation Study
Oklahoma	Oklahoma Corporation Commission	2023-00087	Oklahoma Gas & Electric	2023	Electric Depreciation Study
Michigan	Michigan Public Service Commission	21513	Upper Peninsula Power Company	2023	Electric Depreciation Study
Texas	Public Utility Commission of Texas	55867	Lower Colorado River Authority	2023	Electric Depreciation Study
Texas	Railroad Commission of Texas	Case No. OS-23-00015513	CenterPoint Texas Gas	2023	Gas Depreciation Study
Nevada	Public Utility Commission of Nevada	23-090-12	Southwest Gas	2023	Gas Depreciation Study - Nevada Division
Louisiana	Public Service Commission of Louisiana	36959	Entergy Louisiana	2023	Electric Depreciation Study
Texas	Railroad Commission of Texas	13758	Atmos Energy - APT	2023	Gas Depreciation Study
Florida	Florida Public Service Commission	20230023	Peoples Gas System	2023	Gas Depreciation Study
Texas	Public Utility Commission of Texas	54565	Central States Water Resources (CSWR Texas)	2023	Water Depreciation Study
New York	New York State Public Service Commission	23-W-0111	Veolia New York	2023	Water Depreciation Study
Arkansas	Arkansas Public Service Commission	22-085-U	Empire District Electric Company	2023	Electric Depreciation Study
Texas	Public Utility Commission of Texas	54634	Southwestern Public Service Company	2023	Electric Technical Update
Louisiana	Louisiana Public Service Commission	U-36923	Cleco	2023	Electric Depreciation study
Arkansas	Arkansas Public Service Commission	22-085-U	Liberty Empire Electric Arkansas	2023	Electric Depreciation Study
Florida	Florida Public Service Commission	20220219	People Gas System	2022	Gas Depreciation Study
Michigan	Michigan Public Service Commission	U-21329	Michigan Gas Utilities Corporation	2022	Gas Depreciation Study
New Mexico	New Mexico Public Regulation Commission	22-00270-UT	Public Service of New Mexico	2022	Electric Depreciation Study
New Mexico	New Mexico Public Regulation Commission	22-00286-UT	Southwestern Public Service Company	2022	Electric Technical Update
Michigan	Michigan Public Service Commission	U-21294	SEMCO Gas	2022	Gas Depreciation Study

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
Arkansas	Arkansas Public Service Commission	22-064-U	Liberty Pine Bluff Water	2022	Water Depreciation Study
Colorado	Colorado Public Utilities Commission	22AL-0348G	Atmos Energy	2022	Gas Depreciation Study
New York	FERC	ER22-2581-000	New York Power Authority	2022	Electric Transmission and General Depreciation Study
South Carolina	South Carolina Public Service Commission	2022-89-G	Piedmont Natural Gas	2022	Natural Gas Depreciation Study
Alaska	Regulatory Commission of Alaska	U-22-034	Chugach Electric Association	2022	Electric Depreciation Study
Georgia	Georgia Public Service Commission	44280	Georgia Power Company	2022	Electric Depreciation Study
Texas	Public Utility Commission of Texas	53719	Entergy Texas	2022	Electric Depreciation Study
California	California Public Utilities Commission	A22-005-016	San Diego Gas and Electric	2022	Electric Gas and Common Depreciation Study
California	California Public Utilities Commission	A22-005-015	Southern California Gas	2022	Gas Depreciation Study
Colorado	Colorado Public Utilities Commission	22AL-0046G	Public Service of Colorado	2022	Gas Alternatives to Climate Goals
Texas	Public Utility Commission of Texas	53601	Oncor Electric Delivery	2022	Electric Depreciation Study
New Jersey	New Jersey Board of Public Utilities	GR2222040253	South Jersey Gas	2022	Gas Depreciation Study
Oklahoma	Corporation Commission of Oklahoma	PUD 202100163	Empire District Electric Company	2022	Electric Depreciation Study
Michigan	Michigan Public Service Commission	U-21176	Consumers Gas	2021	Gas Depreciation Study
New Jersey	New Jersey Board of Public Utilities	GR21121254	Elizabethtown Natural Gas	2021	Gas Depreciation Study
Alaska	Regulatory Commission of Alaska	TA116-118, TA115-97, TA160-37 and TA110-290	Fairbanks Water and Wastewater	2021	Water and Waste Water Depreciation Study
Alaska	Regulatory Commission of Alaska	U-21-025	Golden Valley Electric Association	2021	Electric Depreciation Study
Colorado	Public Utilities Commission of Colorado	21AL-0317E	Public Service of Colorado	2021	Electric and Common Depreciation Study
Wisconsin	Public Service Commission of Wisconsin	5-DU-103	WE Energies	2021	Electric and Gas Depreciation Study
Kentucky	Public Service Commission of Kentucky	2021-00214	Atmos Kentucky	2021	Gas Depreciation Study

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
Missouri	Missouri Public Service Commission	ER-2021-0312	Empire District Electric Company	2021	Electric Depreciation Study
Louisiana	Louisiana Public Service Commission	U-35951	Atmos Louisiana	2021	Gas Depreciation Study
Minnesota	Minnesota Public Utilities Commission	E015-D-21-229	Allete Minnesota Power	2021	Intangible, Transmission, Distribution, and General Depreciation Study
Michigan	Michigan Public Service Commission	U-20849	Consumers Energy	2021	Electric and Common Depreciation Study
Texas	Public Utility Commission of Texas	51802	Southwestern Public Service Company	2021	Electric Technical Update
MultiState	FERC	RP21-441-000	Florida Gas Transmission	2021	Gas Depreciation Study
New Mexico	New Mexico Public Regulation Commission	20-00238-UT	Southwestern Public Service Company	2021	Electric Technical Update
MultiState	FERC	ER21-709-000	American Transmission Company	2020	Electric Depreciation Study
Texas	Public Utility Commission of Texas	51611	Sharyland Utilities	2020	Electric Depreciation Study
Texas	Public Utility Commission of Texas	51536	Brownsville Public Utilities Board	2020	Electric Depreciation Study
New Jersey	New Jersey Board of Public Utilities	WR20110729	Suez Water New Jersey	2020	Water and Waste Water Depreciation Study
Idaho	Idaho Public Service Commission	SUZ-W-20-02	Suez Water Idaho	2020	Water Depreciation Study
Texas	Public Utility Commission of Texas	50944	Monarch Utilities	2020	Water and Waste Water Depreciation Study
Michigan	Michigan Public Service Commission	U-20844	Consumers Energy/DTE Electric	2020	Ludington Pumped Storage Depreciation Study
Tennessee	Tennessee Public Utility Commission	20-00086	Piedmont Natural Gas	2020	Gas Depreciation Study
Texas	Railroad Commission of Texas	OS-00005136	CoServ Gas	2020	Gas Depreciation Study
Texas	Railroad Commission of Texas	GUD 10988	EPCOR Gas Texas	2020	Gas Depreciation Study
Florida	Florida Public Service Commission	20200166-GU	People Gas System	2020	Gas Depreciation Study
Mississippi	Federal Energy Regulatory Commission	ER20-1660-000	Mississippi Power Company	2020	Electric Depreciation Study
Texas	Public Utility Commission of Texas	50557	Corix Utilities	2020	Water and Waste Water Depreciation Study
Georgia	Georgia Public Service Commission	42959	Liberty Utilities Peach State Natural Gas	2020	Gas Depreciation Study

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
New Jersey	New Jersey Board of Public Utilities	GR20030243	South Jersey Gas	2020	Gas Depreciation Study
Colorado	Colorado Public Utilities Commission	20AL-0049G	Public Service of Colorado	2020	Gas Depreciation Study
New York	Federal Energy Regulatory Commission	ER20-716-000	LS Power Grid New York, Corp.	2019	Electric Transmission Depreciation Study
Mississippi	Mississippi Public Service Commission	2019-UN-219	Mississippi Power Company	2019	Electric Depreciation Study
Texas	Public Utility Commission of Texas	50288	Kerrville Public Utility District	2019	Electric Depreciation Study
Texas	Railroad Commission of Texas	GUD 10920	CenterPoint Gas	2019	Gas Depreciation Study and Propane Air Study
Texas, New Mexico	Federal Energy Regulatory Commission	ER20-277-000	Southwestern Public Service Company	2019	Electric Production and General Plant Depreciation Study
Alaska	Regulatory Commission of Alaska	U-19-086	Alaska Electric Light and Power	2019	Electric Depreciation Study
Delaware	Delaware Public Service Commission	19-0615	Suez Water Delaware	2019	Water Depreciation Study
Texas	Public Utility Commission of Texas	49831	Southwestern Public Service Company	2019	Electric Depreciation Study
New Mexico	New Mexico Public Regulation Commission	19-00170-UT	Southwestern Public Service Company	2019	Electric Depreciation Study
Georgia	Georgia Public Service Commission	42516	Georgia Power Company	2019	Electric Depreciation Study
Georgia	Georgia Public Service Commission	42315	Atlanta Gas Light	2019	Gas Depreciation Study
Arizona	Arizona Corporation Commission	G-01551A-19-0055	Southwest Gas Corporation	2019	Gas Removal Cost Study
New Hampshire	New Hampshire Public Service Commission	DE 19-064	Liberty Utilities	2019	Electric Distribution and General
New Jersey	New Jersey Board of Public Utilities	GR19040486	Elizabethtown Natural Gas	2019	Gas Depreciation Study
Texas	Public Utility Commission of Texas	49421	CenterPoint Houston Electric LLC	2019	Electric Depreciation Study
North Carolina	North Carolina Utilities Commission	Docket No. G-9, Sub 743	Piedmont Natural Gas	2019	Gas Depreciation Study
Alaska	Regulatory Commission of Alaska	U-18-121	Municipal Power and Light City of Anchorage	2018	Electric Depreciation Study
Various	FERC	RP19-352-000	Sea Robin	2018	Gas Depreciation Study
Texas New Mexico	Federal Energy Regulatory Commission	ER19-404-000	Southwestern Public Service Company	2018	Electric Transmission Depreciation Study

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
California	Federal Energy Regulatory Commission	ER19-221-000	San Diego Gas and Electric	2018	Electric Transmission Depreciation Study
Kentucky	Kentucky Public Service Commission	2018-00281	Atmos Kentucky	2018	Gas Depreciation Study
Alaska	Regulatory Commission of Alaska	U-18-054	Matanuska Electric Coop	2018	Electric Generation Depreciation Study
California	California Public Utilities Commission	A17-10-007	San Diego Gas and Electric	2018	Electric and Gas Depreciation Study
Texas	Public Utility Commission of Texas	48401	Texas New Mexico Power	2018	Electric Depreciation Study
Nevada	Public Utility Commission of Nevada	18-05031	Southwest Gas	2018	Gas Depreciation Study
Texas	Public Utility Commission of Texas	48231	Oncor Electric Delivery	2018	Depreciation Rates
Texas	Public Utility Commission of Texas	48371	Entergy Texas	2018	Electric Depreciation Study
Kansas	Kansas Corporation Commission	18-KCPE-480-RTS	Kansas City Power and Light	2018	Electric Depreciation Study
Arkansas	Arkansas Public Service Commission	18-027-U	Liberty Pine Bluff Water	2018	Water Depreciation Study
Kentucky	Kentucky Public Service Commission	2017-00349	Atmos KY	2018	Gas Depreciation Rates
Tennessee	Tennessee Public Utility Commission	18-00017	Chattanooga Gas	2018	Gas Depreciation Study
Texas	Railroad Commission of Texas	10679	Si Energy	2018	Gas Depreciation Study
Alaska	Regulatory Commission of Alaska	U-17-104	Anchorage Water and Wastewater	2017	Water and Waste Water Depreciation Study
Michigan	Michigan Public Service Commission	U-18488	Michigan Gas Utilities Corporation	2017	Gas Depreciation Study
Texas	Railroad Commission of Texas	10669	CenterPoint South Texas	2017	Gas Depreciation Study
Arkansas	Arkansas Public Service Commission	17-061-U	Empire District Electric Company	2017	Depreciation Rates for New Wind Generation
Kansas	Kansas Corporation Commission	18-EPDE-184-PRE	Empire District Electric Company	2017	Depreciation Rates for New Wind Generation
Oklahoma	Oklahoma Corporation Commission	PUD 201700471	Empire District Electric Company	2017	Depreciation Rates for New Wind Generation
Missouri	Missouri Public Service Commission	EO-2018-0092	Empire District Electric Company	2017	Depreciation Rates for New Wind Generation
Michigan	Michigan Public Service Commission	U-18457	Upper Peninsula Power Company	2017	Electric Depreciation Study
Florida	Florida Public Service Commission	20170179-GU	Florida City Gas	2017	Gas Depreciation Study

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
Michigan	FERC	ER18-56-000	Consumers Energy	2017	Electric Depreciation Study
Missouri	Missouri Public Service Commission	GR-2018-0013	Liberty Utilities	2017	Gas Depreciation Study
Michigan	Michigan Public Service Commission	U-18452	SEMCO	2017	Gas Depreciation Study
Texas	Public Utility Commission of Texas	47527	Southwestern Public Service Company	2017	Electric Production Depreciation Study
MultiState	FERC	ER17-1664	American Transmission Company	2017	Electric Depreciation Study
Alaska	Regulatory Commission of Alaska	U-17-008	Municipal Power and Light City of Anchorage	2017	Generating Unit Depreciation Study
Mississippi	Mississippi Public Service Commission	2017-UN-041	Atmos Energy	2017	Gas Depreciation Study
Texas	Public Utility Commission of Texas	46957	Oncor Electric Delivery	2017	Electric Depreciation Study
Oklahoma	Oklahoma Corporation Commission	PUD 201700078	CenterPoint Oklahoma	2017	Gas Depreciation Study
New York	FERC	ER17-1010-000	New York Power Authority	2017	Electric Depreciation Study
Texas	Railroad Commission of Texas	GUD 10580	Atmos Pipeline Texas	2017	Gas Depreciation Study
Texas	Railroad Commission of Texas	GUD 10567	CenterPoint Texas	2016	Gas Depreciation Study
MultiState	FERC	ER17-191-000	American Transmission Company	2016	Electric Depreciation Study
New Jersey	New Jersey Board of Public Utilities	GR16090826	Elizabethtown Natural Gas	2016	Gas Depreciation Study
Michigan	Michigan Public Service Commission	U-18195	Consumers Energy/DTE Electric	2016	Ludington Pumped Storage Depreciation Study
Alabama	FERC	ER16-2313-000	SEGCO	2016	Electric Depreciation Study
Alabama	FERC	ER16-2312-000	Alabama Power Company	2016	Electric Depreciation Study
Michigan	Michigan Public Service Commission	U-18127	Consumers Energy	2016	Natural Gas Depreciation Study
Mississippi	Mississippi Public Service Commission	2016 UN 267	Willmut Natural Gas	2016	Natural Gas Depreciation Study
Iowa	Iowa Utilities Board	RPU-2016-0003	Liberty-Iowa	2016	Natural Gas Depreciation Study
Illinois	Illinois Commerce Commission	GRM #16-208	Liberty-Illinois	2016	Natural Gas Depreciation Study
Kentucky	FERC	RP16-097-000	KOT	2016	Natural Gas Depreciation Study
Alaska	Regulatory Commission of Alaska	U-16-067	Alaska Electric Light and Power	2016	Generating Unit Depreciation Study
Florida	Florida Public Service Commission	160170-EI	Gulf Power	2016	Electric Depreciation Study

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
California	California Public Utilities Commission	A 16-07-002	California American Water	2016	Water and Waste Water Depreciation Study
Arizona	Arizona Corporation Commission	G-01551A-16-0107	Southwest Gas	2016	Gas Depreciation Study
Texas	Public Utility Commission of Texas	45414	Sharyland	2016	Electric Depreciation Study
Colorado	Colorado Public Utilities Commission	16A-0231E	Public Service Company of Colorado	2016	Electric Depreciation Study
Multi-State NE US	FERC	16-453-000	Northeast Transmission Development, LLC	2015	Electric Depreciation Study
Arkansas	Arkansas Public Service Commission	15-098-U	CenterPoint Arkansas	2015	Gas Depreciation Study and Cost of Removal Study
New Mexico	New Mexico Public Regulation Commission	15-00296-UT	Southwestern Public Service Company	2015	Electric Depreciation Study
Atmos Energy Corporation	Tennessee Regulatory Authority	14-00146	Atmos Tennessee	2015	Natural Gas Depreciation Study
New Mexico	New Mexico Public Regulation Commission	15-00261-UT	Public Service Company of New Mexico	2015	Electric Depreciation Study
Hawaii	NA	NA	Hawaii American Water	2015	Water/Wastewater Depreciation Study
Kansas	Kansas Corporation Commission	16-ATMG-079-RTS	Atmos Kansas	2015	Gas Depreciation Study
Texas	Public Utility Commission of Texas	44704	Entergy Texas	2015	Electric Depreciation Study
Alaska	Regulatory Commission of Alaska	U-15-089	Fairbanks Water and Wastewater	2015	Water and Waste Water Depreciation Study
Arkansas	Arkansas Public Service Commission	15-031-U	Source Gas Arkansas	2015	Underground Storage Gas Depreciation Study
New Mexico	New Mexico Public Regulation Commission	15-00139-UT	Southwestern Public Service Company	2015	Electric Depreciation Study
Texas	Public Utility Commission of Texas	44746	Wind Energy Transmission Texas	2015	Electric Depreciation Study
Colorado	Colorado Public Utilities Commission	15-AL-0299G	Atmos Colorado	2015	Gas Depreciation Study
Arkansas	Arkansas Public Service Commission	15-011-U	Source Gas Arkansas	2015	Gas Depreciation Study
Texas	Railroad Commission of Texas	GUD 10432	CenterPoint- Texas Coast Division	2015	Gas Depreciation Study
Kansas	Kansas Corporation Commission	15-KCPE-116-RTS	Kansas City Power and Light	2015	Electric Depreciation Study
Alaska	Regulatory Commission of Alaska	U-14-120	Alaska Electric Light and Power	2014-2015	Electric Depreciation Study

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
Texas	Public Utility Commission of Texas	43950	Cross Texas Transmission	2014	Electric Depreciation Study
New Mexico	New Mexico Public Regulation Commission	14-00332-UT	Public Service of New Mexico	2014	Electric Depreciation Study
Texas	Public Utility Commission of Texas	43695	Xcel Energy	2014	Electric Depreciation Study
Multi State – SE US	FERC	RP15-101	Florida Gas Transmission	2014	Gas Transmission Depreciation Study
California	California Public Utilities Commission	A.14-07-006	Golden State Water	2014	Water and Waste Water Depreciation Study
Michigan	Michigan Public Service Commission	U-17653	Consumers Energy Company	2014	Electric and Common Depreciation Study
Colorado	Public Utilities Commission of Colorado	14AL-0660E	Public Service of Colorado	2014	Electric Depreciation Study
Wisconsin	Wisconsin	05-DU-102	WE Energies	2014	Electric, Gas, Steam and Common Depreciation Studies
Texas	Public Utility Commission of Texas	42469	Lone Star Transmission	2014	Electric Depreciation Study
Nebraska	Nebraska Public Service Commission	NG-0079	Source Gas Nebraska	2014	Gas Depreciation Study
Alaska	Regulatory Commission of Alaska	U-14-055	TDX North Slope Generating	2014	Electric Depreciation Study
Alaska	Regulatory Commission of Alaska	U-14-054	Sand Point Generating LLC	2014	Electric Depreciation Study
Alaska	Regulatory Commission of Alaska	U-14-045	Matanuska Electric Coop	2014	Electric Generation Depreciation Study
Texas, New Mexico	Public Utility Commission of Texas	42004	Southwestern Public Service Company	2013-2014	Electric Production, Transmission, Distribution and General Plant Depreciation Study
New Jersey	New Jersey Board of Public Utilities	GR13111137	South Jersey Gas	2013	Gas Depreciation Study
Various	FERC	RP14-247-000	Sea Robin	2013	Gas Depreciation Study
Arkansas	Arkansas Public Service Commission	13-078-U	Arkansas Oklahoma Gas	2013	Gas Depreciation Study
Arkansas	Arkansas Public Service Commission	13-079-U	Source Gas Arkansas	2013	Gas Depreciation Study
California	California Public Utilities Commission	Proceeding No.: A.13-11-003	Southern California Edison	2013	Electric Depreciation Study
North Carolina/South Carolina	FERC	ER13-1313	Progress Energy Carolina	2013	Electric Depreciation Study

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
Wisconsin	Public Service Commission of Wisconsin	4220-DU-108	Northern States Power Company - Wisconsin	2013	Electric, Gas and Common Transmission, Distribution and General
Texas	Public Utility Commission of Texas	41474	Sharyland	2013	Electric Depreciation Study
Kentucky	Kentucky Public Service Commission	2013-00148	Atmos Energy Corporation	2013	Gas Depreciation Study
Minnesota	Minnesota Public Utilities Commission	13-252	Allete Minnesota Power	2013	Electric Depreciation Study
New Hampshire	New Hampshire Public Service Commission	DE 13-063	Liberty Utilities	2013	Electric Distribution and General
Texas	Railroad Commission of Texas	10235	West Texas Gas	2013	Gas Depreciation Study
Alaska	Regulatory Commission of Alaska	U-12-154	Alaska Telephone Company	2012	Telecommunications Utility
New Mexico	New Mexico Public Regulation Commission	12-00350-UT	Southwestern Public Service Company	2012	Electric Depreciation Study
Colorado	Colorado Public Utilities Commission	12AL-1269ST	Public Service Company of Colorado	2012	Gas and Steam Depreciation Study
Colorado	Colorado Public Utilities Commission	12AL-1268G	Public Service Company of Colorado	2012	Gas and Steam Depreciation Study
Alaska	Regulatory Commission of Alaska	U-12-149	Municipal Power and Light City of Anchorage	2012	Electric Depreciation Study
Texas	Public Utility Commission of Texas	40824	Xcel Energy	2012	Electric Depreciation Study
South Carolina	Public Service Commission of South Carolina	Docket 2012-384-E	Progress Energy Carolina	2012	Electric Depreciation Study
Alaska	Regulatory Commission of Alaska	U-12-141	Interior Telephone Company	2012	Telecommunications Utility
Michigan	Michigan Public Service Commission	U-17104	Michigan Gas Utilities Corporation	2012	Gas Depreciation Study
North Carolina	North Carolina Utilities Commission	E-2 Sub 1025	Progress Energy Carolina	2012	Electric Depreciation Study
Texas	Public Utility Commission of Texas	40606	Wind Energy Transmission Texas	2012	Electric Depreciation Study
Texas	Public Utility Commission of Texas	40604	Cross Texas Transmission	2012	Electric Depreciation Study
Minnesota	Minnesota Public Utilities Commission	12-858	Northern States Power Company - Minnesota	2012	Electric, Gas and Common Transmission, Distribution and General
Texas	Railroad Commission of Texas	10170	Atmos Mid-Tex	2012	Gas Depreciation Study

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
Texas	Railroad Commission of Texas	10174	Atmos West Texas	2012	Gas Depreciation Study
Texas	Railroad Commission of Texas	10182	CenterPoint Beaumont/ East Texas	2012	Gas Depreciation Study
Kansas	Kansas Corporation Commission	12-KCPE-764-RTS	Kansas City Power and Light	2012	Electric Depreciation Study
Nevada	Public Utility Commission of Nevada	12-04005	Southwest Gas	2012	Gas Depreciation Study
Texas	Railroad Commission of Texas	10147, 10170	Atmos Mid-Tex	2012	Gas Depreciation Study
Kansas	Kansas Corporation Commission	12-ATMG-564-RTS	Atmos Kansas	2012	Gas Depreciation Study
Texas	Public Utility Commission of Texas	40020	Lone Star Transmission	2012	Electric Depreciation Study
Michigan	Michigan Public Service Commission	U-16938	Consumers Energy Company	2011	Gas Depreciation Study
Colorado	Public Utilities Commission of Colorado	11AL-947E	Public Service of Colorado	2011	Electric Depreciation Study
Texas	Public Utility Commission of Texas	39896	Entergy Texas	2011	Electric Depreciation Study
MultiState	FERC	ER12-212	American Transmission Company	2011	Electric Depreciation Study
California	California Public Utilities Commission	A1011015	Southern California Edison	2011	Electric Depreciation Study
Mississippi	Mississippi Public Service Commission	2011-UN-184	Atmos Energy	2011	Gas Depreciation Study
Michigan	Michigan Public Service Commission	U-16536	Consumers Energy Company	2011	Wind Depreciation Rate Study
Texas	Public Utility Commission of Texas	38929	Oncor	2011	Electric Depreciation Study
Texas	Railroad Commission of Texas	10038	CenterPoint South TX	2010	Gas Depreciation Study
Alaska	Regulatory Commission of Alaska	U-10-070	Inside Passage Electric Cooperative	2010	Electric Depreciation Study
Texas	Public Utility Commission of Texas	36633	City Public Service of San Antonio	2010	Electric Depreciation Study
Texas	Railroad Commission of Texas	10000	Atmos Pipeline Texas	2010	Gas Depreciation Study
Multi State – SE US	FERC	RP10-21-000	Florida Gas Transmission	2010	Gas Depreciation Study
Maine/ New Hampshire	FERC	10-896	Granite State Gas Transmission	2010	Gas Depreciation Study
Texas	Public Utility Commission of Texas	38480	Texas New Mexico Power	2010	Electric Depreciation Study
Texas	Public Utility Commission of Texas	38339	CenterPoint Electric	2010	Electric Depreciation Study
Texas	Railroad Commission of Texas	10041	Atmos Amarillo	2010	Gas Depreciation Study

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
Georgia	Georgia Public Service Commission	31647	Atlanta Gas Light	2010	Gas Depreciation Study
Texas	Public Utility Commission of Texas	38147	Southwestern Public Service	2010	Electric Technical Update
Alaska	Regulatory Commission of Alaska	U-09-015	Alaska Electric Light and Power	2009-2010	Electric Depreciation Study
Alaska	Regulatory Commission of Alaska	U-10-043	Utility Services of Alaska	2009-2010	Water Depreciation Study
Michigan	Michigan Public Service Commission	U-16055	Consumers Energy/DTE Energy	2009-2010	Ludington Pumped Storage Depreciation Study
Michigan	Michigan Public Service Commission	U-16054	Consumers Energy	2009-2010	Electric Depreciation Study
Michigan	Michigan Public Service Commission	U-15963	Michigan Gas Utilities Corporation	2009	Gas Depreciation Study
Michigan	Michigan Public Service Commission	U-15989	Upper Peninsula Power Company	2009	Electric Depreciation Study
Texas	Railroad Commission of Texas	9869	Atmos Energy	2009	Shared Services Depreciation Study
Mississippi	Mississippi Public Service Commission	09-UN-334	CenterPoint Energy Mississippi	2009	Gas Depreciation Study
Texas	Railroad Commission of Texas	9902	CenterPoint Energy Houston	2009	Gas Depreciation Study
Colorado	Colorado Public Utilities Commission	09AL-299E	Public Service Company of Colorado	2009	Electric Depreciation Study
Louisiana	Louisiana Public Service Commission	U-30689	Cleco	2008	Electric Depreciation Study
Texas	Public Utility Commission of Texas	35763	Southwestern Public Service Company	2008	Electric Production, Transmission, Distribution and General Plant Depreciation Study
Wisconsin	Wisconsin	05-DU-101	WE Energies	2008	Electric, Gas, Steam and Common Depreciation Studies
North Dakota	North Dakota Public Service Commission	PU-07-776	Northern States Power Company - Minnesota	2008	Net Salvage
New Mexico	New Mexico Public Regulation Commission	07-00319-UT	Southwestern Public Service Company	2008	Testimony – Depreciation
Multiple States	Railroad Commission of Texas	9762	Atmos Energy	2007-2008	Shared Services Depreciation Study
Minnesota	Minnesota Public Utilities Commission	E015/D-08-422	Minnesota Power	2007-2008	Electric Depreciation Study
Texas	Public Utility Commission of Texas	35717	Oncor	2008	Electric Depreciation Study
Texas	Public Utility Commission of Texas	34040	Oncor	2007	Electric Depreciation Study
Michigan	Michigan Public Service Commission	U-15629	Consumers Energy	2006-2009	Gas Depreciation Study

Dane Watson Testimony Experience

Asset Location	Commission	Docket (If Applicable)	Company	Year	Description
Colorado	Colorado Public Utilities Commission	06-234-EG	Public Service Company of Colorado	2006	Electric Depreciation Study
Arkansas	Arkansas Public Service Commission	06-161-U	CenterPoint Energy – Arkla Gas	2006	Gas Distribution Depreciation Study and Removal Cost Study
Texas, New Mexico	Public Utility Commission of Texas	32766	Southwestern Public Service Company	2005-2006	Electric Production, Transmission, Distribution and General Plant Depreciation Study
Texas	Railroad Commission of Texas	9670/9676	Atmos Energy Corp	2005-2006	Gas Distribution Depreciation Study
Texas	Railroad Commission of Texas	9400	TXU Gas	2003-2004	Gas Distribution Depreciation Study
Texas	Railroad Commission of Texas	9313	TXU Gas	2002	Gas Distribution Depreciation Study
Texas	Railroad Commission of Texas	9225	TXU Gas	2002	Gas Distribution Depreciation Study
Texas	Public Utility Commission of Texas	24060	TXU	2001	Line Losses
Texas	Public Utility Commission of Texas	23640	TXU	2001	Line Losses
Texas	Railroad Commission of Texas	9145-9148	TXU Gas	2000-2001	Gas Distribution Depreciation Study
Texas	Public Utility Commission of Texas	22350	TXU	2000-2001	Electric Depreciation Study, Unbundling
Texas	Railroad Commission of Texas	8976	TXU Pipeline	1999	Pipeline Depreciation Study
Texas	Public Utility Commission of Texas	20285	TXU	1999	Fuel Company Depreciation Study
Texas	Public Utility Commission of Texas	18490	TXU	1998	Transition to Competition
Texas	Public Utility Commission of Texas	16650	TXU	1997	Customer Complaint
Texas	Public Utility Commission of Texas	15195	TXU	1996	Mining Company Depreciation Study
Texas	Public Utility Commission of Texas	12160	TXU	1993	Fuel Company Depreciation Study
Texas	Public Utility Commission of Texas	11735	TXU	1993	Electric Depreciation Study

**PIEDMONT NATURAL GAS COMPANY, INC.
DIRECT TESTIMONY OF DANE A. WATSON**

EXHIBIT (DAW-2)

PIEDMONT NATURAL GAS COMPANY SYSTEM

**DEPRECIATION RATE STUDY
AT DECEMBER 31, 2022**



<http://www.utilityalliance.com>

**PIEDMONT NATURAL GAS COMPANY
DEPRECIATION RATE STUDY
EXECUTIVE SUMMARY**

Duke Energy engaged Alliance Consulting Group to conduct a depreciation study of its Piedmont Natural Gas (“PNG” or “Company”) System depreciable assets as of December 31, 2022. The PNG System consists of several different parts: 2 State and 3 State, North Carolina (“NC”), South Carolina (“SC”), and Tennessee (“TN”).

This study recommends a change to depreciation rates, which results in a system increase of approximately \$18.8 million in annual depreciation expense compared to the annual depreciation expense currently being recorded as of December 31, 2022. The increase is comprised of an increase for NC of approximately \$8.9 million; an increase of approximately \$2.9 million for SC; an increase of approximately \$3.6 million for TN; an increase of approximately \$2.6 million for 2 State; and an increase of approximately \$0.9 million for 3 State. Each entity has individual account drivers, but the magnitude of investment in Transmission and Distribution has the biggest overall impact on the results for NC, SC, and TN. In 2 State the Storage function is driving the change and in 3 State the change is driven by the General plant function. In addition, depreciation expense is impacted by the reserve position.

This study reflects PNG’s continued investment into CNG assets by segregating the investment into a separate account, Account 29002. This will allow PNG to track the investment and mortality characteristics of these assets. The Company continues to grow its CNG investment in public stations and private stations. PNG has also segregated its software assets into Intangible Plant with 5 and 10-year life accounts, which have been excluded from the study. The existing Customer Information System is fully depreciated and has been excluded as it is expected to be retired. This study also includes the Piedmont Town Center retirements that occurred in 2023 and 2024, as proforma adjustments. Finally, this study recognizes and segregates Transportation into specific use and life

accounts. These changes better align the depreciation rates with the ongoing operations.

The continuation of Vintaged Group Amortization (general plant amortization) for certain General Plant accounts is recommended. This process provides for the efficient and timely recording of retirements for the General Plant function.

In the past, the life and net salvage analyses were performed on a combined basis for the Carolinas (NC and SC) and Corporate (2 State and 3 State) assets. This study also includes Tennessee and is referred to as the PNG "System." The resulting life parameters and net salvage factors are then applied to each entity's plant and reserve balances at December 31, 2022, to calculate the annual accrual and depreciation rates. Therefore, there will be five sub-appendices for Appendix A (NC, SC, TN, 2 State, and 3 State), which provides the annual depreciation accrual and rate calculations. There will be five sub-appendices for Appendix B (NC, SC, TN, 2 State, and 3 State), which provides a comparison between existing and proposed annual depreciation expense accruals and rates by account and function. Appendix C provides a comparison between the existing entities approved parameters and a system study recommended depreciation life and net salvage parameters. Appendix D provides the net salvage analysis on a System-wide basis.

**PIEDMONT NATURAL GAS COMPANY
NATURAL GAS OPERATIONS
DEPRECIATION RATE STUDY
AT DECEMBER 31, 2022**

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PURPOSE

The purpose of this study is to develop depreciation rates for the depreciable property on the books for all of the PNG System at December 31, 2022. The account-based depreciation rates were designed to recover the total remaining undepreciated investment, adjusted for net salvage, over the remaining life of on a straight-line basis. Non-depreciable property and property that is amortized, such as intangibles, were excluded from this study.

PNG is an energy service company primarily engaged in the transmission and distribution of natural gas to more than one million residential and business customers in North Carolina, South Carolina, and Tennessee. PNG has been in operation for more than 70 years.

PNG owns and operates a complex system of high and intermediate pressure transmission mains, liquefied natural gas storage, and intermediate and low-pressure distribution networks located across the service area. There are a number of receipt points (or city gates) located throughout the system where gas is delivered by the transmission system. Once gas is metered through these city gates, the pressure is reduced through regulators in order to meet system requirements as determined by pressure and volume needs.

STUDY RESULTS

Overall depreciation rates for each entity's depreciable property are shown in Appendix B. These rates translate into a combined annual depreciation expense accrual of approximately \$240.9 million based on PNG's depreciable investment at December 31, 2022. The annual depreciation expense calculated using the currently approved rates is approximately \$222.1 million. Appendix A demonstrates the development of the annual depreciation accruals and rates. Appendix B presents a comparison of approved rates versus proposed rates by account. Each individual entity's Appendix A annual accrual calculations, as well as individual entity Appendix B rate and expense comparison, are provided in sub-appendices. Appendix C presents a comparison of the existing and proposed life and net salvage estimates by account. Appendix D presents the net salvage analysis by account. As stated previously, Appendix C and D were performed on a System-wide basis.

Intangible assets, including software, have been excluded. Transportation is now segregated into five accounts (3-year Meter Reading, 5-year Rural Use, 7-year Urban Use, 10-year Heavy Duty, and Trailers and Other) to better match the use and life of the assets. CNG assets are in Account 29002 so that the investment of these assets and their mortality characteristics can be tracked. There is CNG investment in the public and private sector. Currently, across PNG's jurisdictions there are 13 public stations and two private stations owned and operated by PNG.

Consistent with the prior study, this depreciation study reflects depreciation expense for Vintaged Group Amortization in Accounts 291 through 298, excluding Transportation 292 Accounts and Power Operated Equipment Account 29600. This process provides for the amortization of general plant over the same life as recommended in this study. In 3 State there is a separate amortization to allocate any deficit or excess reserve over a 4-year period. At the end of the amortized life, property will be retired from the books.

The study adjusted, upward and downward, the average service life (“ASL”) for most accounts, but it is the combined change in ASL and net salvage when compared to existing that drive the largest portion of the increase. Due to the settlement life changes for SC in 2022 for certain Transmission and Distribution, it is no longer easy to quantify between the Carolinas and Corporate and TN. Please refer to Appendix C for further details.

RECOMMENDATIONS

In addition to the results described above and in the remainder of this report, we have the following recommendations in regard to book depreciation for PNG assets.

1. We recommend adoption of the annual depreciation rates shown in Appendix B for each property group and entity.
2. Due to the reserve position, our study reflects the reallocation of the book reserve between accounts within each function and entity (North Carolina, South Carolina, Tennessee, 2 State, and 3 State). These reallocated book reserves should be adopted by PNG and reflected in PNG's accounting system based upon approval by the various state regulators at the time the new depreciation rates will be implemented.
3. Due to changes in the mix and characteristics of assets and net salvage experience over time, we recommend an update to the depreciation study be made at least every five years.
4. We have recognized and recommend the continued use of Vintage Amortization Accounting for certain accounts of the General Plant function. As part of the amortization, a true up of the reserve for these amortized accounts is sometimes necessary, but 3 State is the only entity where a reserve true up is needed. A separate accrual amount has been reflected for each account over a 4-year period for Vintage Amortization in 3 State only.

GENERAL DISCUSSION

Definition

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

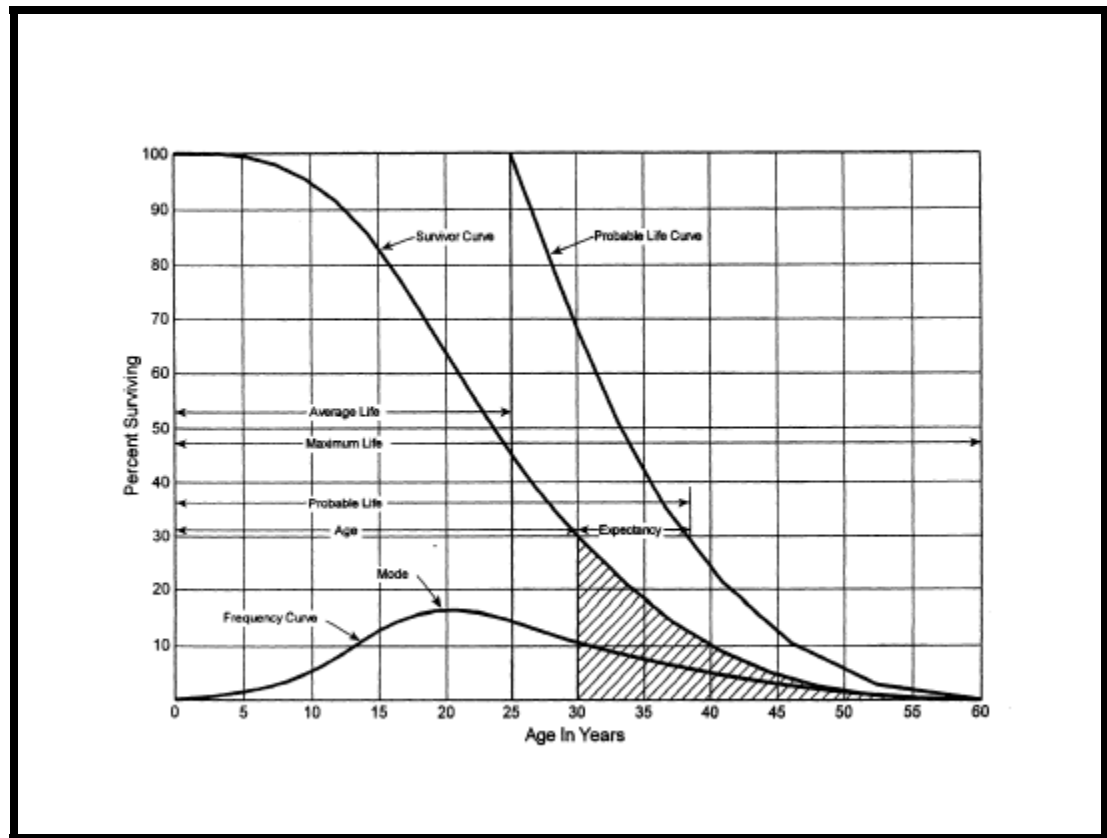
Basis of Depreciation Estimates

Annual and accrued depreciation were calculated in this study by the straight-line, broad group ("ALG"), remaining-life depreciation system. In this system, the annual depreciation expense for each vintage is computed by dividing the original cost of the asset vintage (less allocated depreciation reserve less estimated net salvage) by its respective average remaining life. The resulting annual accrual amounts were divided by the original cost of the depreciable property in each account to determine the depreciation rate. The calculated remaining lives and annual depreciation accrual rates were based on attained ages of plant in service and the estimated service life and salvage characteristics of each depreciable group and were computed in a direct weighting by multiplying each vintage or account balance times its remaining life and dividing by the plant investment in service at December 31, 2022. The computations of the annual depreciation and amortization rates are shown in Appendices A1-A5.

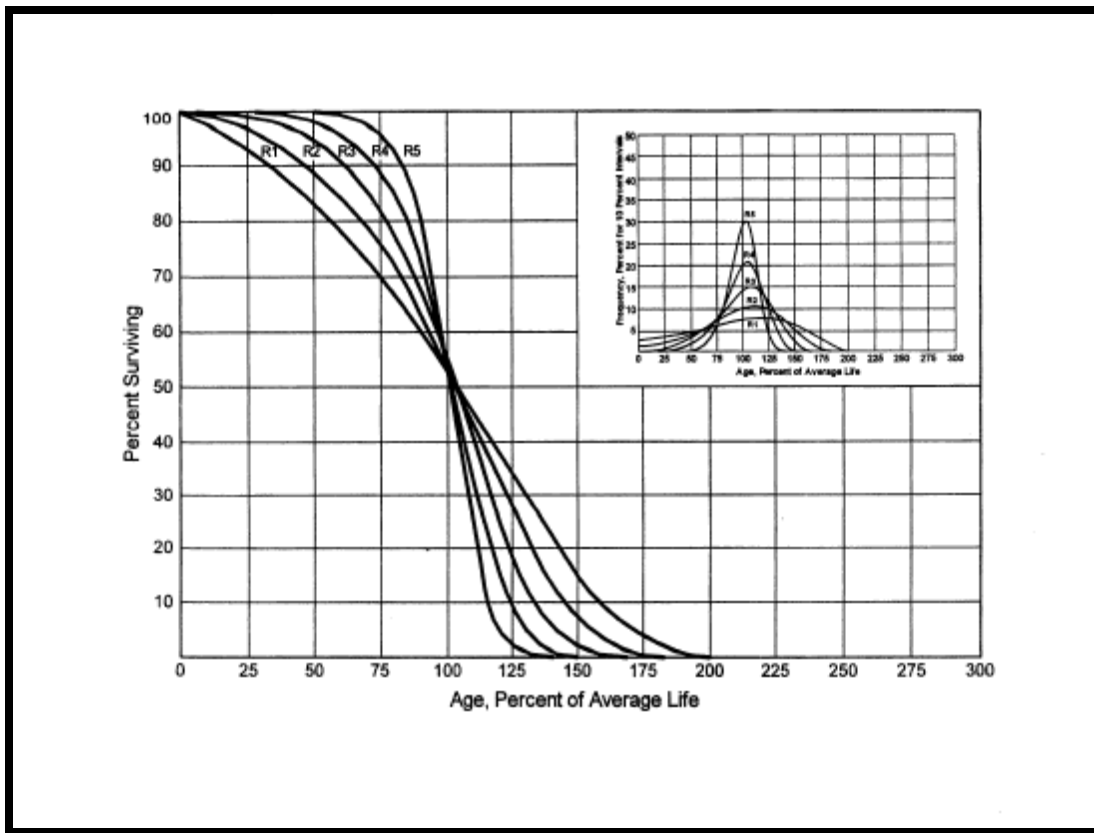
Actuarial analysis was used with each account where sufficient data was available, and judgment was used to some degree on all accounts.

Survivor Curves

To fully understand depreciation projections in a regulated utility setting, there must be a basic understanding of survivor curves. Individual assets within a group do not normally have identical lives or investment amounts. The average life of a group can be determined by comparing actual experience against various survivor curves. A survivor curve represents the percentage of property remaining in service at various age intervals. The most widely used set of representative survivor curves are the Iowa Survivor Curves ("Iowa Curves"). The Iowa Curves are the result of an extensive investigation of life characteristics of physical property made at Iowa State College Engineering Experiment Station in the first half of the twentieth century. Through common usage, revalidation, and regulatory acceptance, these curves have become a descriptive standard for the life characteristics of industrial property. An example of an Iowa Curve is shown below.



There are four families in the Iowa Curves which are distinguished by the relation of the age at the retirement mode (largest annual retirement frequency) and the average life. The four families are designated as “R”— Right, “S” — Symmetric, “L” — Left, and “O” — Origin Modal. First, for patterns with the mode age greater than the average life, an “R” designation (*i.e.*, Right modal) is used. The family of “R” moded curves is shown below.



Second, an "S" designation (*i.e.*, Symmetric modal) is used for the family whose mode age is symmetric about the average life. Third, an "L" designation (*i.e.*, Left modal) is used for the family whose mode age is less than the average life. Fourth, a special case of left modal dispersion is the "O" or origin modal curve family. Within each curve family, numerical designations are used to describe the relative magnitude of the retirement frequencies at the mode. A "6" indicates that the retirements are not greatly dispersed from the mode (*i.e.*, high mode frequency) while a "1" indicates a large dispersion about the mode (*i.e.*, low mode frequency). For example, a curve with an average life of 30 years and an "L3" dispersion is a moderately dispersed, left modal curve that can be designated as a 30 L3 Curve. An SQ, or square, survivor curve occurs where no dispersion is present (*i.e.*, units of common age retire simultaneously).

For Storage, Transmission, Distribution, and General Property accounts, a survivor curve pattern was selected based on analysis of historical data, as well as other factors, such as general changes relevant to the Company's operations. The blending of judgment concerning current conditions and future trends, along with the matching of historical data, permits the depreciation analyst to make an informed selection of an account's average life and retirement dispersion pattern. Iowa Curves were used to depict the estimated survivor curves for each account.

Actuarial Analysis

Actuarial analysis (retirement rate method) was used in evaluating historical asset retirement experience where vintage data were available and sufficient retirement activity was present. In actuarial analysis, interval exposures (total property subject to retirement at the beginning of the age interval, regardless of vintage) and age interval retirements are calculated. The complement of the ratio of interval retirements to interval exposures establishes a survivor ratio. The survivor ratio is the fraction of property surviving to the end of the selected age interval, given that it has survived to the beginning of that age interval. Survivor ratios for all of the available age intervals were chained by successive multiplications to establish a series of survivor factors, collectively known as an observed life table. The observed life table shows the experienced mortality characteristic of the account and may be compared to standard mortality curves such as the Iowa Curves. Many accounts were analyzed using this method. Placement bands were used to illustrate the composite history over a specific era, and experience bands were used to focus on retirement history for all vintages during a set period. Matching data in observed life tables for each experience and placement band to an Iowa Curve requires visual examination. As stated in Depreciation Systems by Wolf and Fitch, "the analyst must decide which points or sections of the curve should be given the most weight. Points at the end of the

curve are often based on fewer exposures and may be given less weight than those points based on larger samples” (page 46). Some analysts choose to use mathematical fitting as a tool to narrow the population of curves using a least squares technique. However, Depreciation Systems cautions, “... the results of mathematical fitting should be checked visually, and the final determination of best fit made by the analyst” (page 48). This study uses the visual matching approach to match Iowa Curves, since mathematical fitting produces theoretically possible curve matches that do not match Company specific experience. Visual examination and experienced judgment allow the depreciation professional to make the final determination as to the best curve type.

Detailed information for each account is shown later in this study and in workpapers.

Judgment

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

Where there are multiple factors, activities, actions, property characteristics, statistical inconsistencies, property mix in accounts, or a multitude of other considerations that affect the analysis (potentially in various directions), judgment is used to take all of these considerations and synthesize them into a general direction or understanding of the characteristics of the property. Individually, no one consideration in these cases may have a substantial impact on the analysis, but overall, the collective effect of these considerations may shed light on the use

and characteristics of assets. Judgment may also be defined as deduction, inference, wisdom, common sense, or the ability to make sensible decisions. There is no single correct result from statistical analysis; hence, there is no answer absent judgment.

Theoretical Depreciation Reserve

The book accumulated provision for depreciation within each entity and each account within a function was allocated among Storage, Transmission, Distribution, and General Property Plant accounts through the use of the theoretical depreciation reserve model. This study used a reserve model that relied on a prospective concept relating future retirement and accrual patterns for property, given current life and salvage estimates.

The theoretical reserve of a property group is developed from the estimated remaining life of the group, the total life of the group, and estimated net salvage. The theoretical reserve represents the portion of the group cost that would have been accrued if current forecasts were used throughout the life of the group for future depreciation accruals. The computation involves multiplying the vintage balances within the group by the theoretical reserve ratio for each vintage. The straight-line remaining-life theoretical reserve ratio ("RR") at any given age is calculated as:

$$RR = 1 - \frac{(Average\ Remaining\ Life)}{(Average\ Service\ Life)} * (1 - Net\ Salvage\ Ratio)$$

Average Life Group Depreciation

PNG's existing rates use the average life group ("ALG") depreciation procedure. Consistent with the currently approved depreciation rates, this study continues to use the ALG depreciation procedure to group the assets within each account. After an average service life and dispersion were selected for each account, those parameters were used to estimate what portion of the surviving investment of each vintage was expected to retire. The depreciation of the group continues until all investment in the vintage group is retired. ALG groups are defined by their respective account dispersion, life, and net salvage estimates. A straight-line rate for each ALG group is calculated by computing a composite remaining life for each group across all vintages within the group, dividing the remaining investment to be recovered by the remaining life to find the annual depreciation expense and dividing the annual depreciation expense by the surviving investment. The resultant rate for each ALG group is designed to recover all retirements less net salvage when the last unit retires. The ALG procedure recovers net book cost over the life of each account by averaging many components.

DETAILED DISCUSSION

Depreciation Study Process

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

During the Phase 1 data collection process, historical data was compiled from continuing property records and general ledger systems. Data were validated for accuracy by extracting and comparing to multiple financial system sources: Projects System (Construction ledger), Fixed Asset System (continuing property ledger), General Ledger, and interfaces from other operating systems. Audit of this data was validated against historical data from prior periods, historical general ledger sources, and field personnel discussions. This data was reviewed extensively so that it could be put in the proper format for a depreciation study. Further discussion on data review and adjustment is found in the Salvage Consideration section of this study. Also, as part of the Phase 1 data collection process, numerous discussions were conducted with engineers and field operations personnel to obtain information that would be helpful in formulating life and salvage recommendations in this study. One of the most important elements in performing a proper depreciation study is the understanding of how a company utilizes assets and the environment of those assets. Understanding industry and geographical norms for mortality characteristics are important factors in selecting life and salvage recommendations; however, care must be used not to apply them rigorously to any particular company since no two companies would have the same exact forces of retirement acting upon their assets. Interviews with engineering and operations personnel are important ways to allow the analyst to obtain information that is helpful when evaluating the output from the life and net salvage

programs in relation to a company's actual asset utilization and environment. Information that was gleaned in these discussions with Company personnel for this study is found both in the Detailed Discussion portions of the Life Analysis and Salvage Analysis sections and in workpapers. In addition, Alliance personnel possess a significant understanding of the types of electric utility property, the forces of retirement due to years of day-to-day exposures, and operations of electric utility property.

Phase 2 is where the actuarial analysis is performed. Phase 2 and Phase 3 (to be discussed in the next paragraph) overlap to a significant degree. The detailed property records information is used in Phase 2 to develop observed life tables for life analysis. It is possible that an analyst would cycle back to this phase based on the evaluation process performed in Phase 3. Net salvage analysis consists of compiling historical salvage and removal data by functional group and account to determine values and trends in gross salvage and removal cost. This information is then carried forward into Phase 3 for the evaluation process.

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

Finally, Phase 4 involves calculating of accrual rates, making recommendations, and documenting the conclusions in a final report. The calculation of accrual rates for this study is found in Appendix A. Recommendations for the various accounts are contained within the Detailed

Discussion of this report. The depreciation study flow diagram shown as Figure 1¹ documents the steps used in conducting this study. Depreciation Systems² documents the same basic processes in performing a depreciation study, namely statistical analysis, evaluation of statistical analysis, discussions with management, forecast assumptions, and document recommendations.

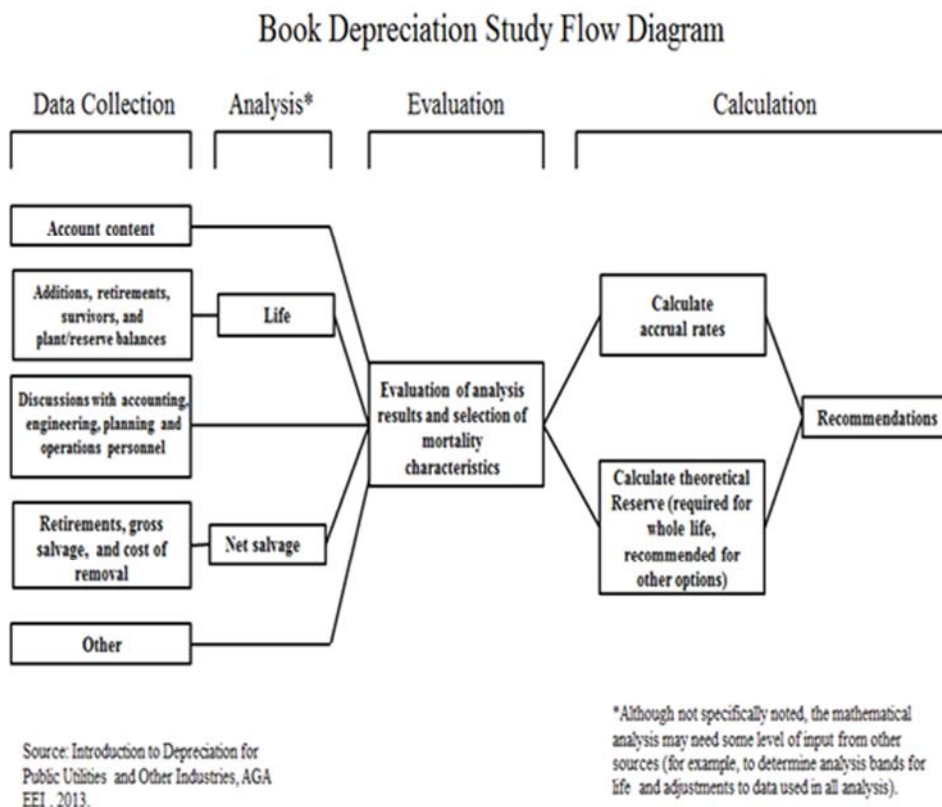


Figure 1

PNG DEPRECIATION STUDY PROCESS

¹ American Gas Association and Edison Electric Institute, *Introduction to Depreciation for Public Utilities and Other Industries* (2013).

² W. C. Fitch and F. K. Wolf, *Depreciation Systems* 289 (Iowa State Press 1994).

Depreciation Rate Calculation

Annual depreciation expense amounts for the depreciable accounts of PNG were calculated by the straight line method, average life group procedure, and remaining-life technique. With this approach, remaining lives were calculated according to standard ALG group expectancy techniques, using the Iowa Survivor Curves noted in the calculation. For each plant account, the difference between the surviving investment, adjusted for estimated net salvage, and the allocated book depreciation reserve, was divided by the average remaining life to yield the annual depreciation expense.

Remaining Life Calculation

The establishment of appropriate average service lives and retirement dispersions for each account within a functional group was based on engineering judgment that incorporated available accounting information analyzed using the Retirement Rate actuarial methods. After establishment of appropriate average service lives and retirement dispersion, remaining life was computed for each account. Theoretical depreciation reserve with zero net salvage was calculated using theoretical reserve ratios as defined in the theoretical reserve portion of the General Discussion section. The difference between plant balance and theoretical reserve was then spread over the ALG depreciation accruals. Remaining life computations are found for each account in work papers.

Life Analysis

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

experience bands are provided in workpapers.

For each account the overall band (*i.e.*, placement from earliest vintage year, which varied for each account, through 2018) is used as a starting point. Then, after looking at the overall experience band, different experience bands were plotted and analyzed in increments of 20 or 10 years, for instance 2003-2022, 1993-2022, 1973-2022, etc. Repeated matching usually pointed to a focus on one dispersion family and small range of service lives. Then using the same average life, various dispersion curves were plotted. Frequently, visual matching would confirm one specific dispersion pattern (*e.g.*, L, S, or R) as an obviously better match than others. The next step would be to determine the most appropriate life using that dispersion pattern. The goal of visual matching was to minimize the differential between the observed life table and Iowa curve in the top and mid-range of the plots. These results are used in conjunction with all other factors that may influence asset lives.

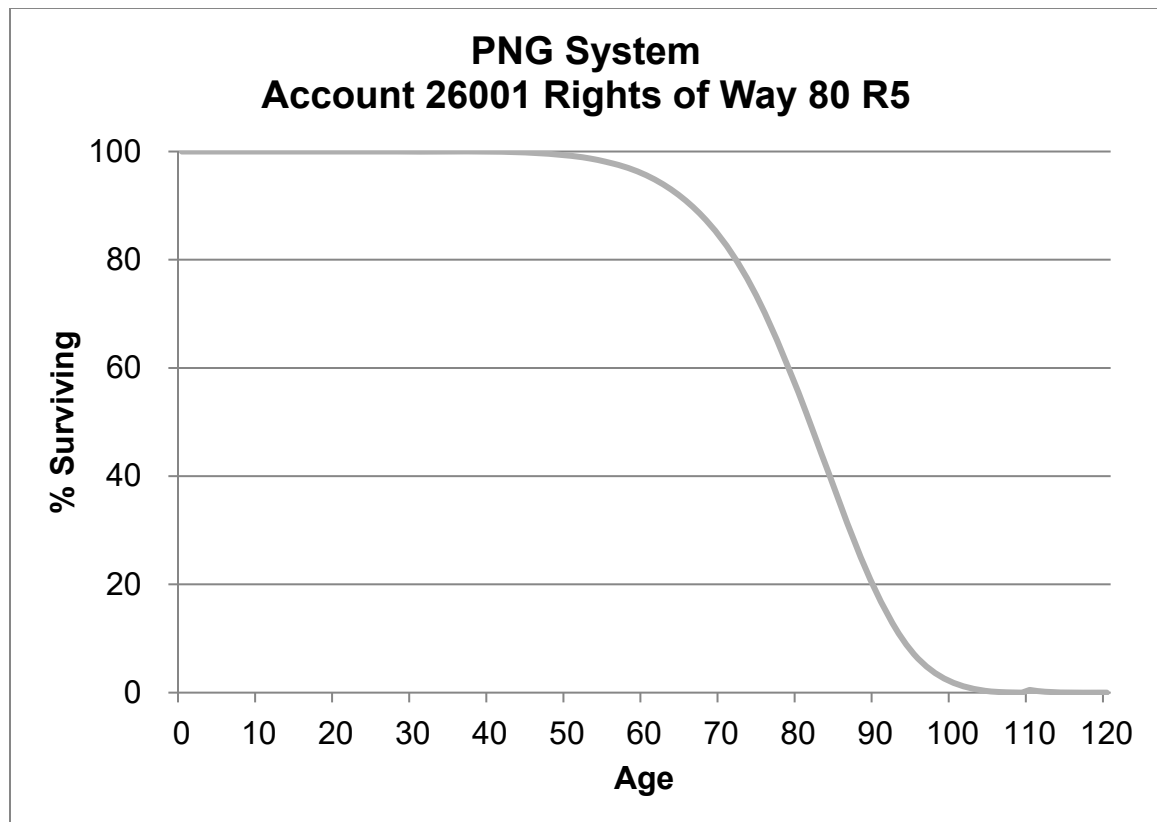
In the specific account life and net salvage analysis results that follow, the data and activity was combined for analysis. The recommended life and net salvage parameters are then applied to the individual entities' (NC, SC, TN, 2 State, and 3 State) balances and allocated reserves at December 31, 2022 to develop the annual depreciation expense accrual and depreciation rates. Existing parameters related to direct property of NC, SC, and TN will be noted accordingly, as will 2 State and 3 State in the life and net salvage analysis below.

ACCOUNT SPECIFIC LIFE ANALYSIS RESULTS

Storage Plant

Account 26001 Land Rights (80 R5)

This account consists of depreciable rights of way related to the storage function. There is approximately \$118 thousand in this combined account which includes 2 State. There has not been an approved life established. This study recommends that they be tied to the assets in the function, so 80 R5 is recommended to be applied for all entities going forward. No analysis was performed. A representative graph of the recommended 80 R5 is shown below.

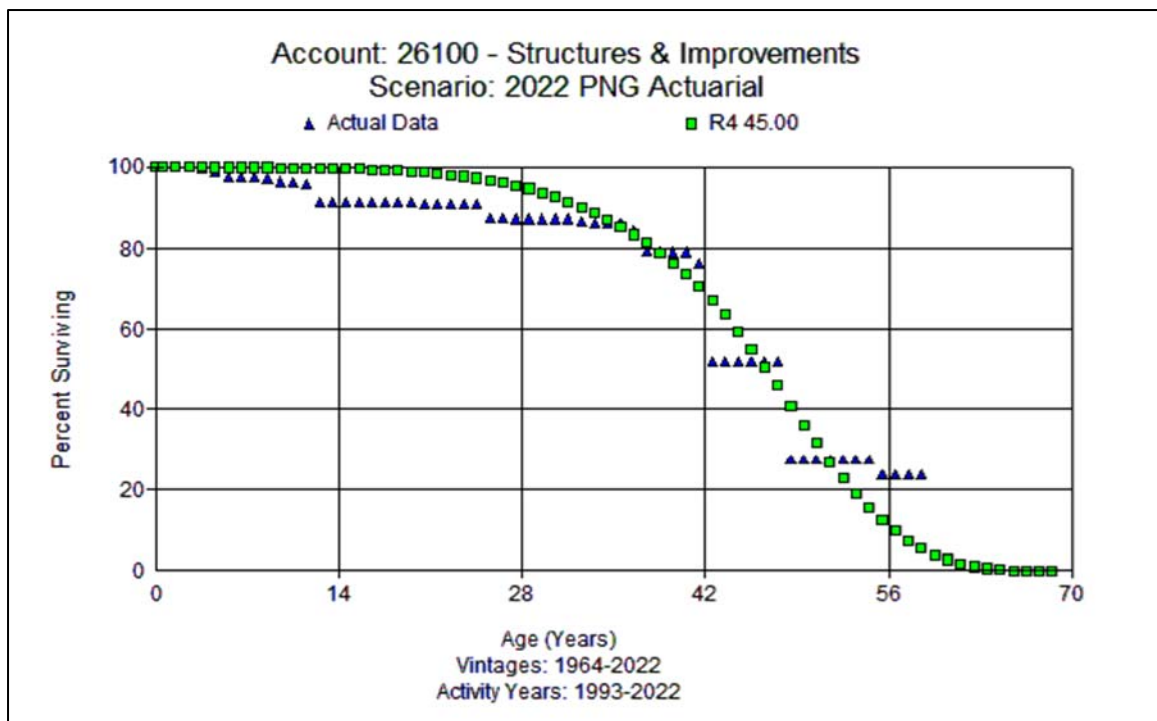


Account 26100 Structures and Improvements (45 R4)

This account consists primarily of buildings. There is approximately \$184.7 million in this combined account which includes 2 State and TN. The approved life for 2 State is 54 R4 and 35 S5 for TN.

Discussions with Company Subject Matter Experts (“SMEs”) indicated that there are no buildings being replaced due to end of life. Some additional buildings have been built for new equipment. There was some lead abatement work in 2010 at Huntersville and earlier at Nashville. Nearly all buildings and roofs are metal. The security systems and HVAC assets would last around 15 years. Operationally, a 45-year life is reasonable.

The analysis indicates a life around 44-45 years, generally with a steep pattern, across the bands analyzed. Based on the analysis, the existing parameters, type of assets, and Company input, this study recommends the 45 R4 dispersion pattern. A graph of the observed life table and the proposed life and curve is shown below.

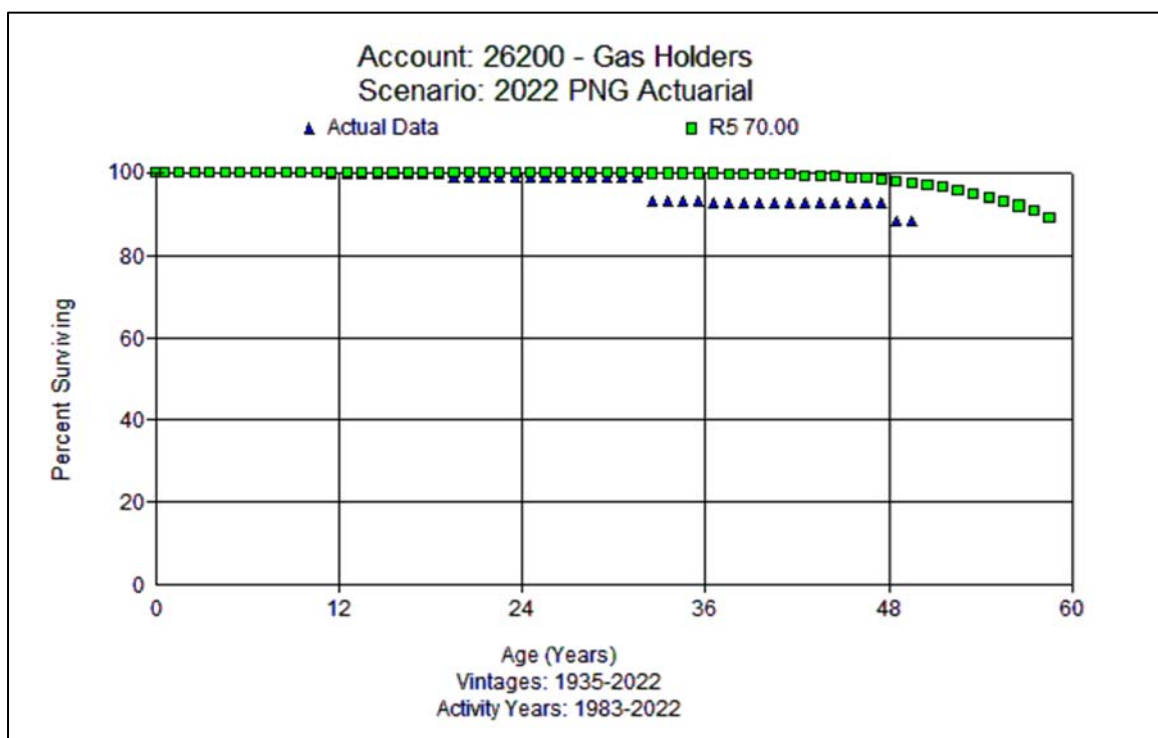


Account 26200 Gas Holders (70 R5)

This account consists of gas holders. There is approximately \$117.6 million in this combined account which includes 2 State and TN. The approved life for 2 State is 70 R5 and 70 S5 for TN.

Discussions with Company SMEs indicated the in-service dates for the plants to be: 6/30/73 Huntersville, 12/18/73 Nashville, and 1/7/86 Bentonville. No corrosion takes place on the inside of the tank. Annual inspections and elevation certifications occur. The life will be long if the outside of the holders is well maintained. Company personnel believe 70 years is reasonable.

There have been a few retirements, which would create a fit with a 65 R4, but with the limited activity, Company expectations, and the type of asset this study recommends retention of the 70-year life and R5 dispersion pattern. A graph of the observed life table and the proposed life and curve is shown below.

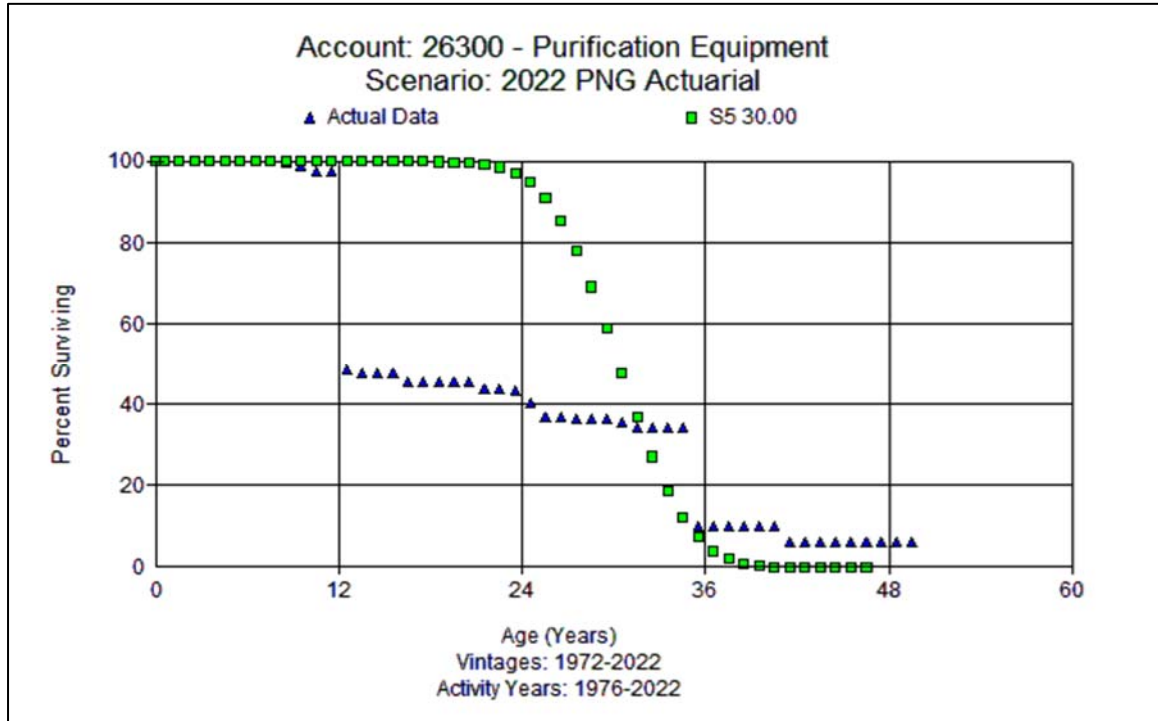


Account 26300 Purification Equipment (30 S5)

This account consists of miscellaneous purification equipment. There is approximately \$65.3 million in this combined account which includes 2 State and TN. The approved lives are 42 R4 for 2 State and 30 S5 for TN.

Discussions with Company SMEs indicated that the adsorber changes in the past were due to change in gas composition conditions. The design life is expected to be around 30 years, with exception of the molecular sieve, which is 10 years. Purification heaters have a 20-year life and control systems have a shorter life due to technology. Company personnel believe that a shorter life is reasonable due to more electronic components, which have shorter lives than previous equipment.

The analysis indicates retirements are occurring at earlier ages, which is consistent with Company input. Considering the new investment, analysis, and Company input this study recommends the 30 S5 dispersion pattern. A graph of the observed life table and the proposed life and curve is shown below.

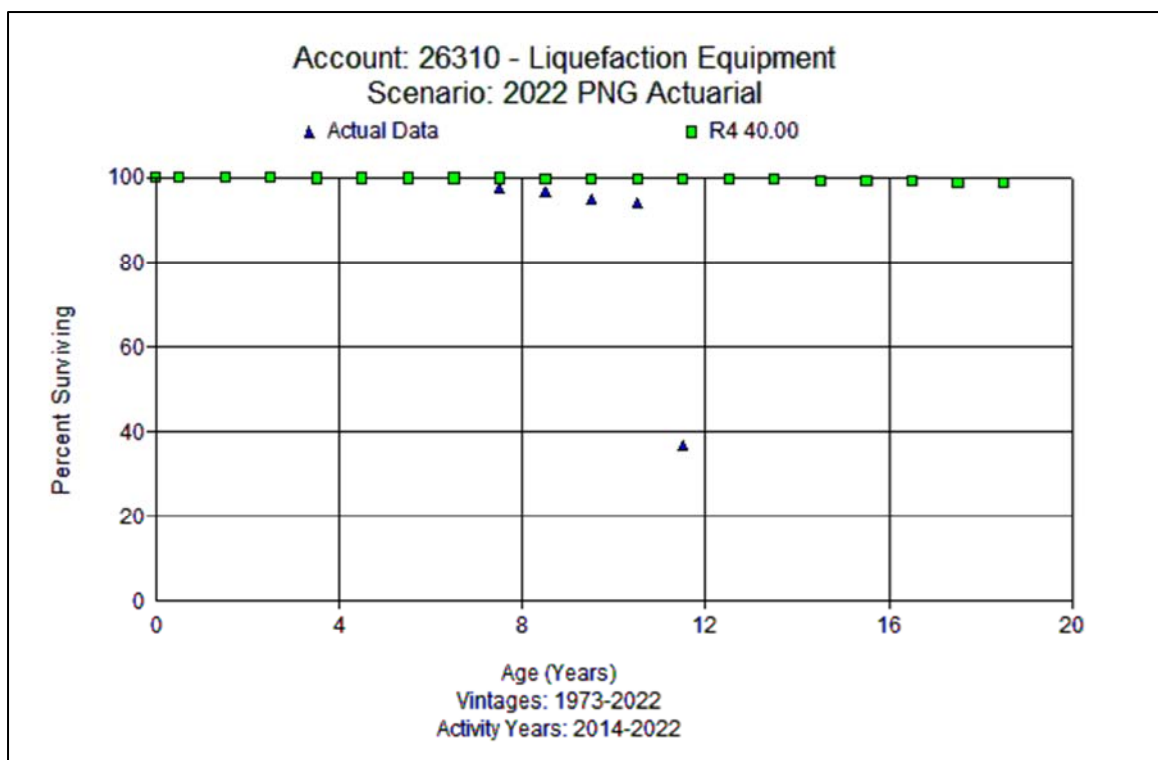


Account 26310 Liquefaction Equipment (40 R4)

This account consists of miscellaneous liquefaction equipment. There is approximately \$84.6 million in this combined account which includes 2 State and TN. The approved lives are 50 R4 for 2 State and 30 S5 for TN.

Discussions with Company personnel indicated that Huntersville went 48 years, Nashville 52 years, and Bentonville 33 years before replacing this equipment. The new equipment has 30-year design criteria. They are using the equipment more than in the past and newer equipment will not last as long due to the electronics. PLCs will only last 20 years at most. Operationally, the expectations are between 30 and 40 years. Gas make-up, capacity, and end of life issues are driving these replacements.

Retirements have only been recorded since 2014, so there is limited value in the analysis. Based on the type and mix of assets, discussions with Company personnel, and judgment, this study recommends 40 R4. A graph of the observed life table and the proposed life and curve is shown below.

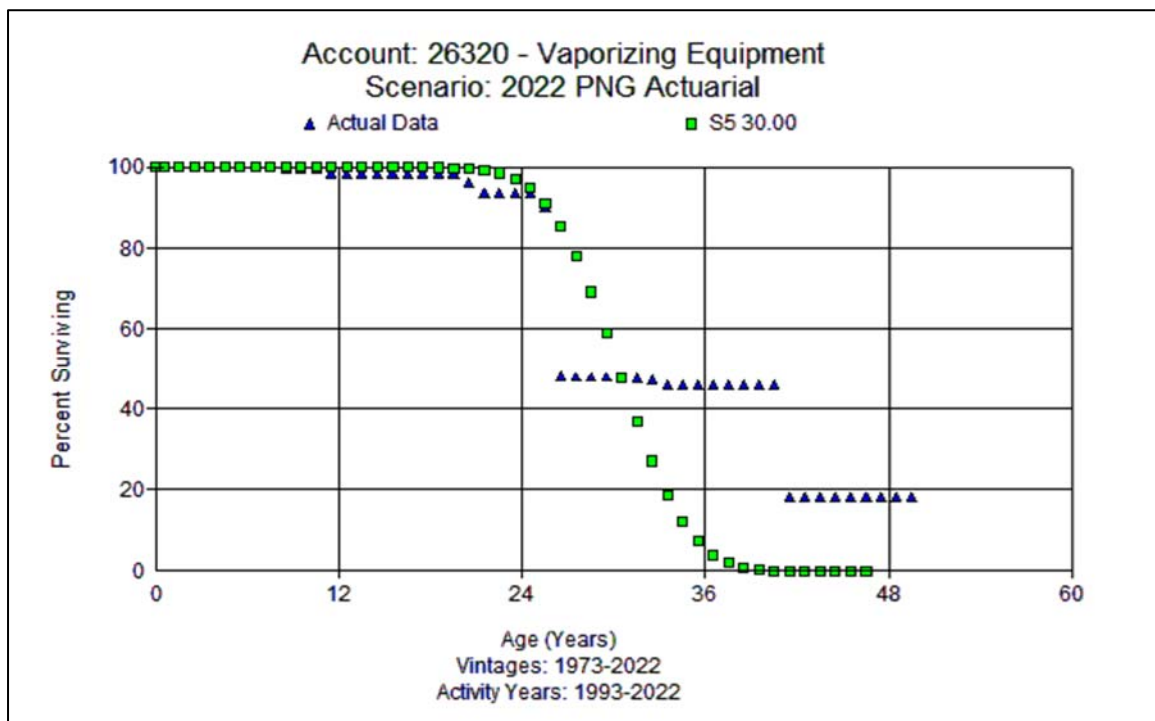


Account 26320 Vaporizing Equipment (30 S5)

This account consists of miscellaneous vaporizing equipment. There is approximately \$78.4 million in this combined account which includes 2 State and TN. The approved lives are 30 S6 for 2 State and 30 S5 for TN.

Discussions with Company SMEs indicated that all vaporization equipment was changed out at all three plants. The design and expected life are 30 years. A different type of system (water/glycol heaters) was installed, which is more than 50% of the investment, and may only last for 20 years. The shell and tubes would last perhaps 40 years. There are some heaters that are having major repairs (fire tube refractory replacement) that are only 10 years old. However, the Company believes 30 years is still a reasonable life estimate.

The analysis indicates a longer life in the full band and a shorter life in the more recent bands, which is consistent with the recent activity. Based on the analysis, type of assets, Company expectations, and judgment, this study recommends the 30 S5. A graph of the observed life table and the proposed life and curve is shown below.

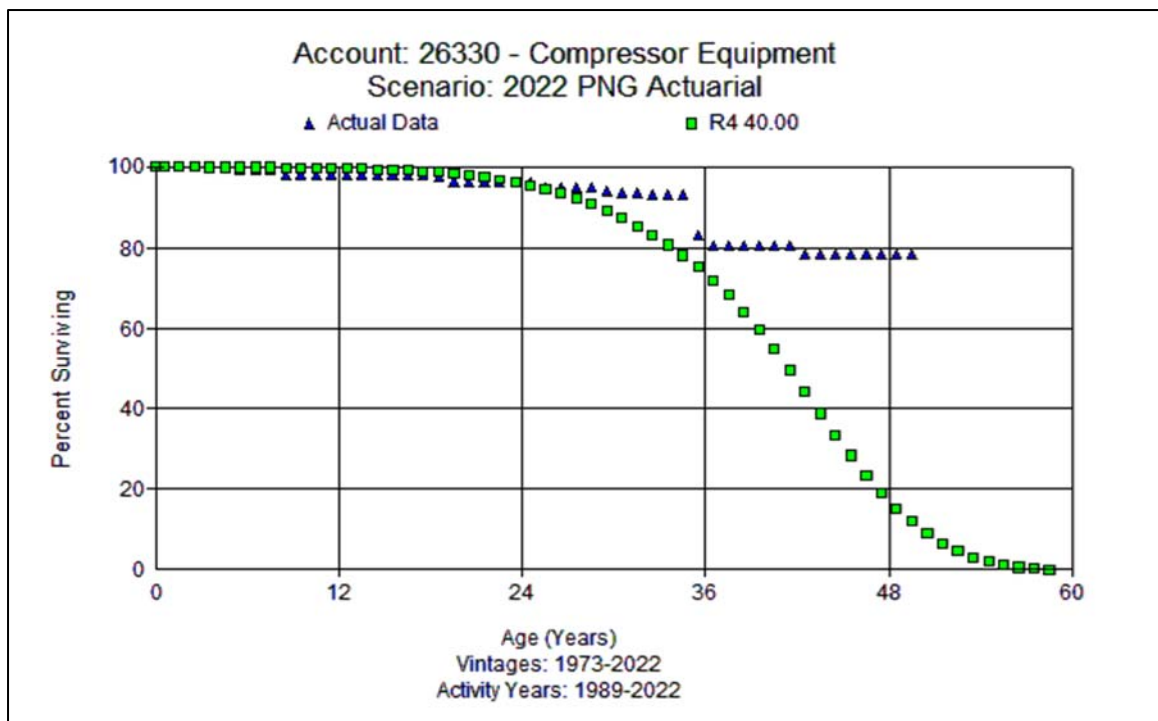


Account 26330 Compressor Equipment (40 R4)

This account consists of miscellaneous compressor equipment. There is approximately \$32.7 million in this combined account which includes 2 State and TN. The approved lives are 40 R4 for 2 State and 35 S5 for TN.

Discussions with Company SMEs indicated that there are two at Bentonville and three at Huntersville. Replacing pistons or valves are capital expenditures making up 5%-10% of the account, and they do not last the life of the compressor, only about 15-20 years. PLCs will only last 20 years at most. Compressors are original equipment. Approximately 15% is glycol coolers, which will only last 30 years. Controls were upgraded with the other equipment. Company believes 40 years is a reasonable expectation.

There is limited activity for actuarial analysis. Based on recent activity, type of assets, Company input, and judgment, this study recommends 40 R4. A graph of the observed life table and the proposed life and curve is shown below.

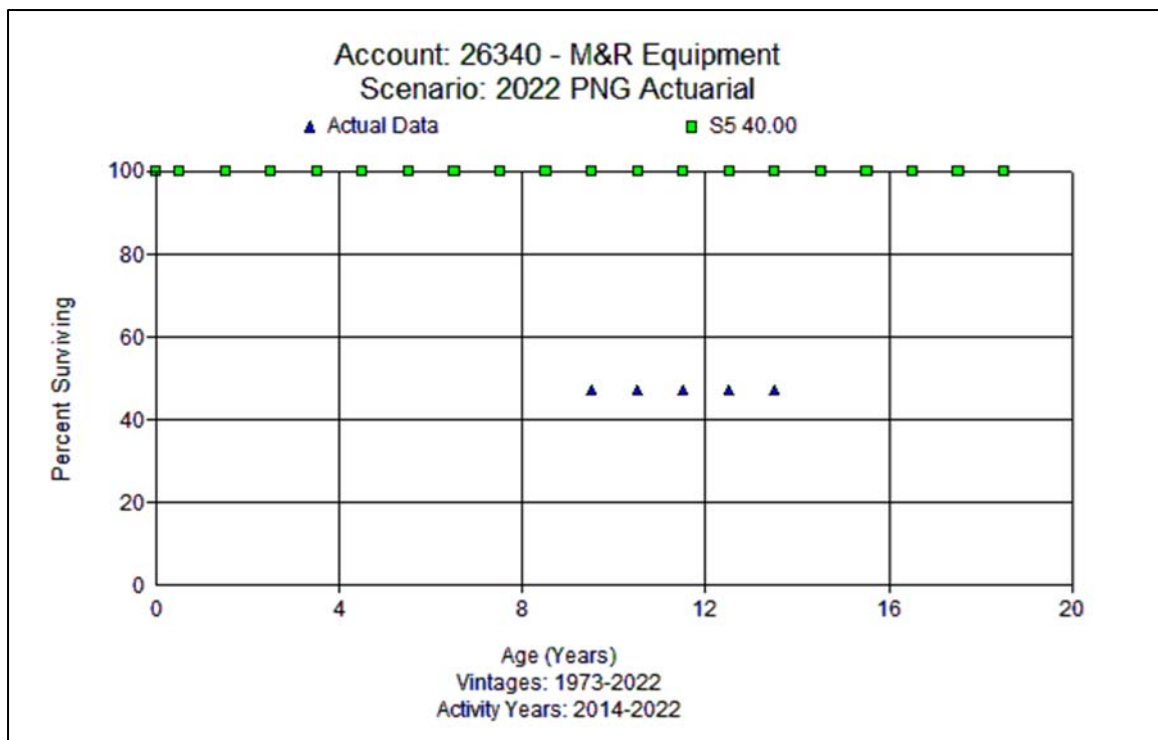


Account 26340 M&R Equipment (40 S5)

This account consists of miscellaneous measuring and regulating equipment. There is approximately \$1.2 million in this combined account which includes 2 State and TN. The approved lives are 30 R4 for 2 State and 35 S5 for TN.

Discussions with Company SMEs indicated that assets have lives ranging from 10 years for electronic transmitters, 20 years for control valves, and 30 years for the stations. The YZ odorizer was replaced in 2014 at Bentonville due to send out capacity; at that time, it was 8 years old.

The first retirements were recorded in 2014, with an average age of retirement of 33 years for this account. The life analysis was not useful in selecting a life. Considering the limited retirements, type of assets, Company input, and judgment, this study recommends a 40 S5 dispersion pattern. A graph of the observed life table and the proposed life and curve is shown below.

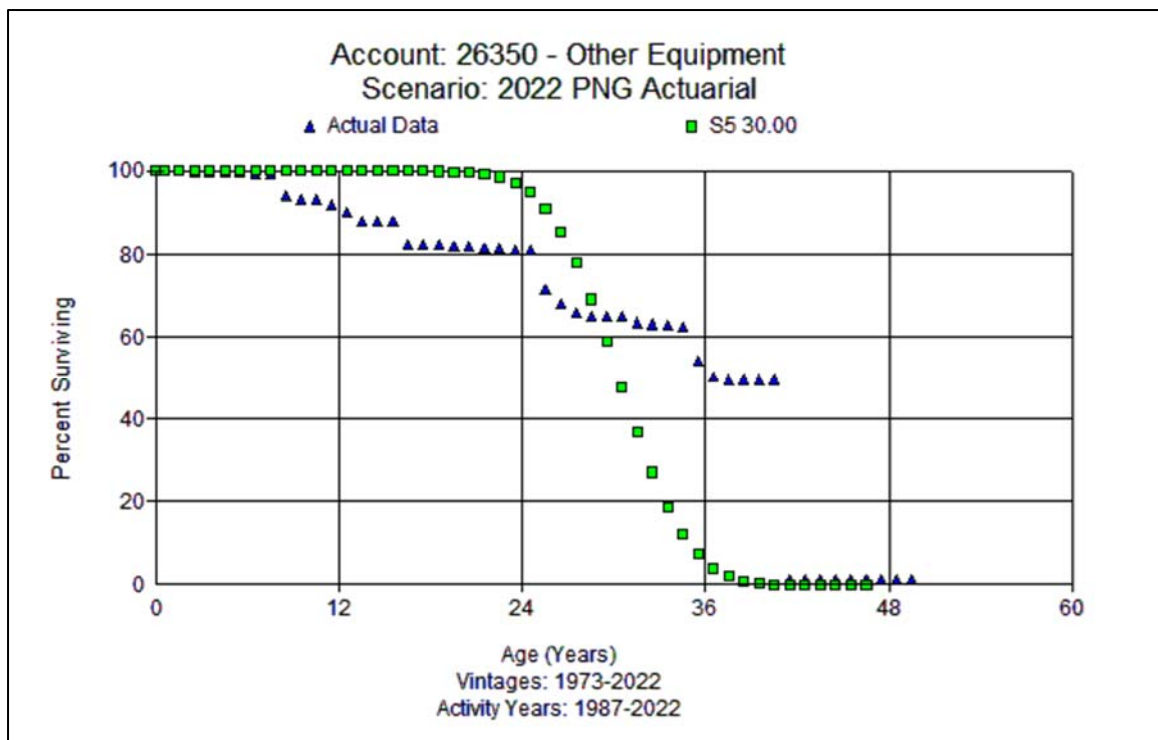


Account 26350 Other Equipment (30 S5)

This account consists of various tools and miscellaneous equipment used for LNG plant operations. There is approximately \$17.3 million in this combined account which includes 2 State and TN. The approved lives are 33 R4 for 2 State and 30 S5 for TN.

Discussions with Company personnel indicated there are shorter lived assets such as PLCs, HMI, communication systems, and other miscellaneous equipment recorded in this account. Some of these would have a much shorter life cycle.

The average age of retirement is around 22 years. The fuller bands indicate a life around 30-35 years, but the more recent bands have a much shorter life indication. Considering both the full and short band indications in the analysis, recent activity, type of assets, and judgment, this study recommends the 30 S5. A graph of the observed life table and the proposed life and curve is shown below.

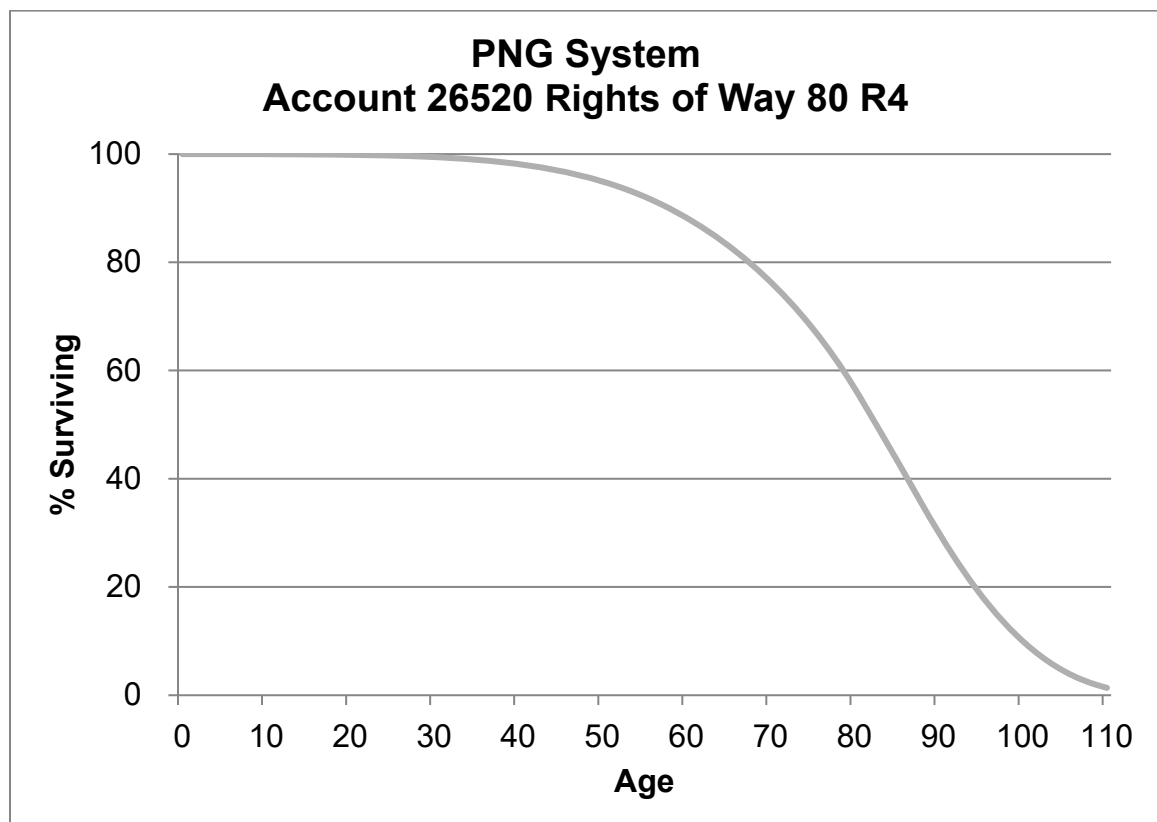


Transmission Plant

Account 26520 Rights of Way (80 R4)

This account includes rights of way used in connection with transmission operations and assets. There is approximately \$170.1 million in this combined account which includes NC, SC, and TN direct property. The approved lives are 80 R4 for NC and SC and 80 R2 for TN.

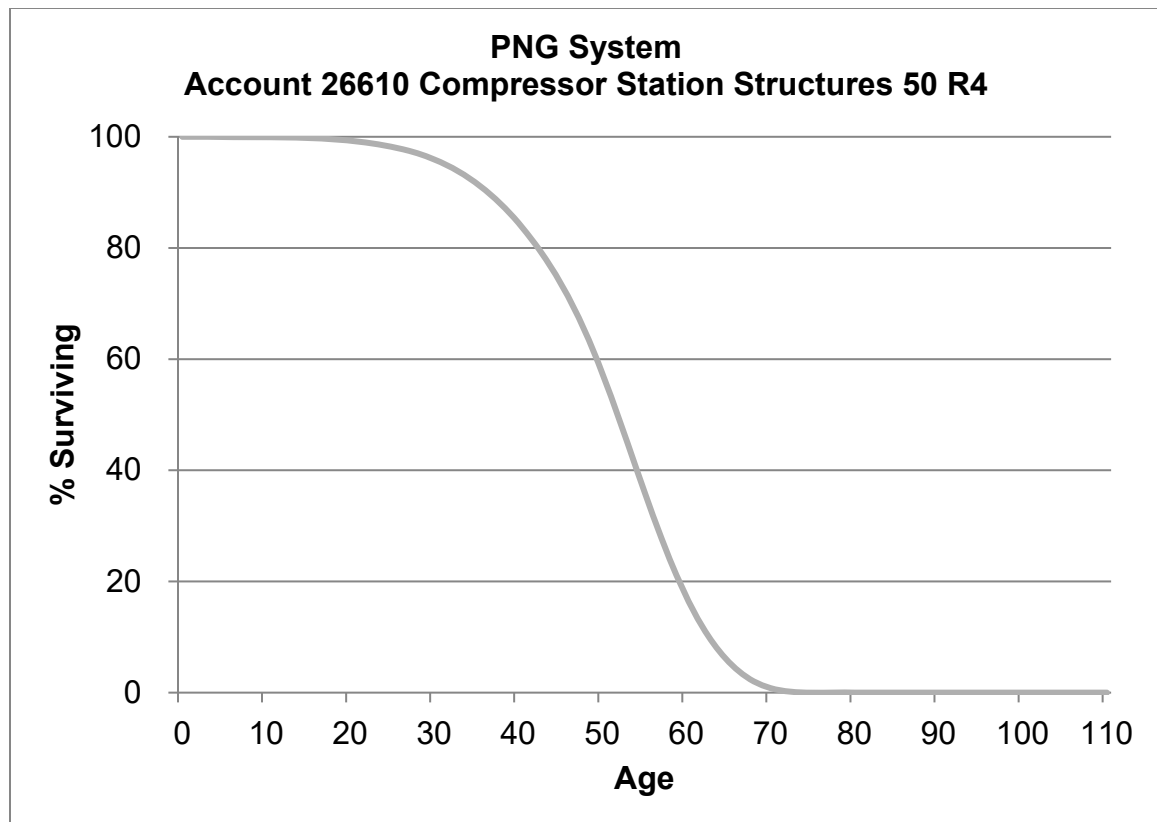
There have been no retirements recorded and few are expected. These land rights are generally used in conjunction with the installation of mains, so a reasonable expectation is the life would equal or exceed the life of mains. Based on the life of Account 367, Mains, this study recommends increasing the existing life to 80 years and retaining the R4 dispersion. A representative graph of the recommended 80 R4 is shown below.



Account 26610 Compressor Station Structures & Improvements (50 R4)

This account includes compressor station structures used in connection with transmission operations and assets. There is approximately \$19.8 million in this account. The approved life for NC is 50 R4 dispersion.

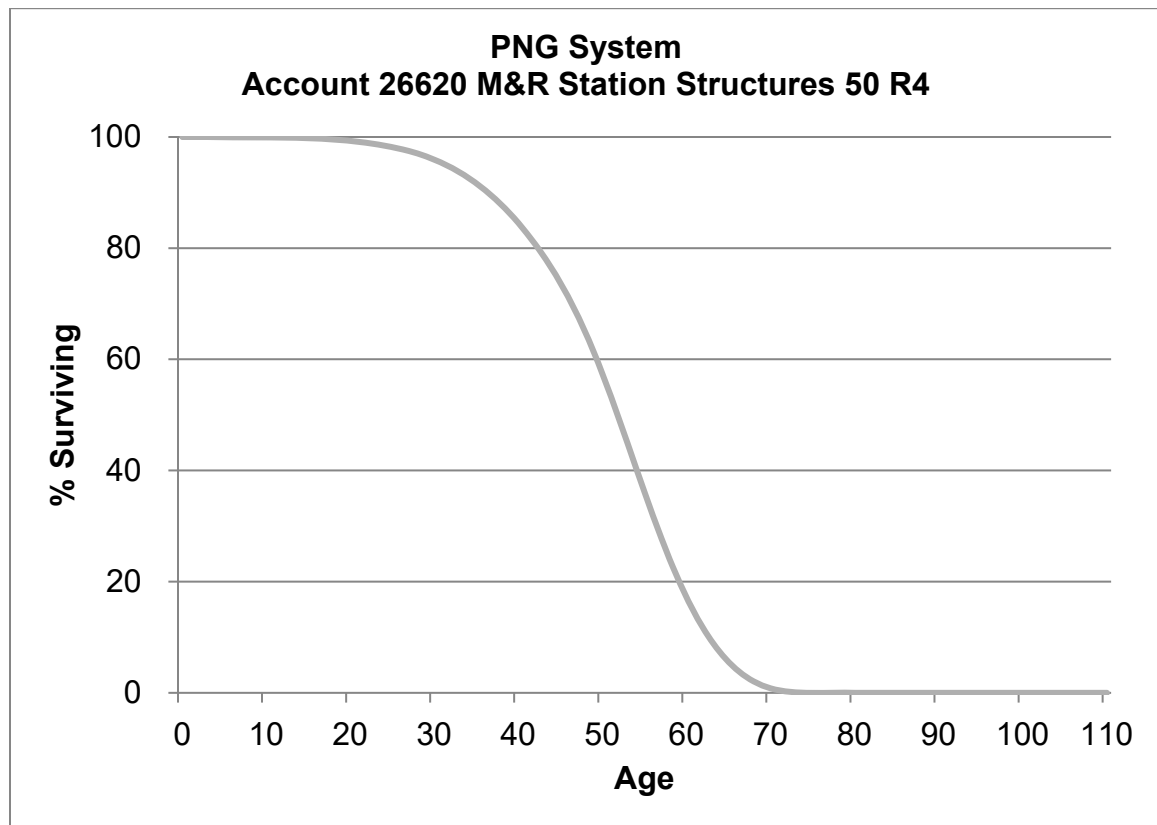
There has been approximately \$195 thousand retired, and the first retirement was recorded in 2021, so the life analysis is not meaningful in selecting a life. The average age of the recorded retirements is 9 years. No actuarial analysis was performed, and the study recommends retention of the approved 50 R4. A representative graph of the recommended 50 R4 is shown below.



Account 26620 M&R Station Structures & Improvements (50 R4)

This account includes M&R station structures used in connection with transmission operations and assets. There is approximately \$16.5 million in this combined account which includes NC, SC, and TN. The approved lives are 50 R4 for NC and SC and 50 R3 for TN.

There has been approximately \$144 thousand retired, and the first retirement was recorded in 2020, so the life analysis is not meaningful in selecting a life. The average age of the recorded retirements is 4.5 years. No actuarial analysis was performed, and the study recommends the 50 R4 currently in use in NC and SC. A representative graph of the recommended 50 R4 is shown below.

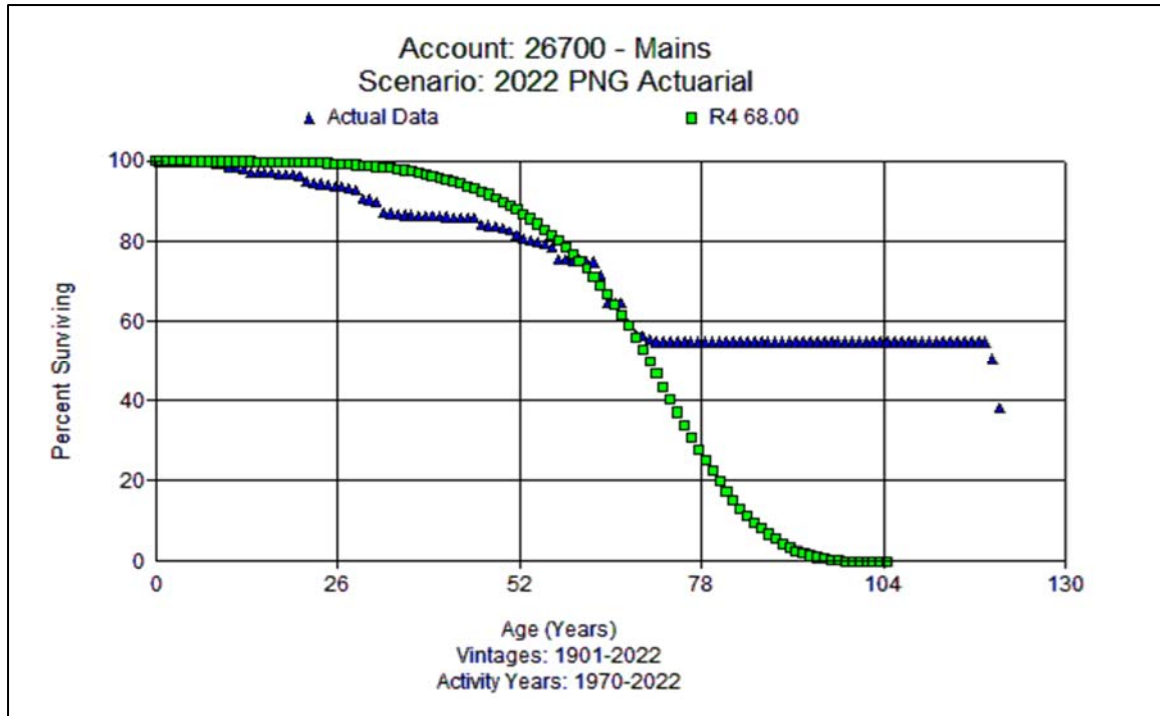


Account 26700 Mains & Cathodic Protection (68 R4)

This account includes mains of all sizes, both coated steel and plastic, as well as fittings, miscellaneous piping, and cathodic protection equipment. There is approximately \$3.4 billion combined which includes NC, SC, and TN direct property. The approved lives are 65 R4 for NC, 70 R4 for SC, and 75 R2 for TN.

Discussions with Company SMEs indicate that they are seeing more forced relocations due to growth and road projects (DOT). PNG conducts routine assessments in the Transmission Integrity Management Program ("TIMP"), which would help to extend the life in the long term. Besides TIMP, one of the major contributors to retirement is third-party damage. Regulations would have a shortening effect on the lives. There are more activities triggered by the Mega rule, which has 3 different parts that affect transmission. Many of the replacements are from the 1960s and 1970s. What is being installed now would have a longer expected life than older pipe in the ground. The cathodic protection assets are primarily impressed current and are expected to last around 20-25 years.

The life analysis results in various life and dispersion pattern best fits, to the observed life table at 50% surviving, in the full band. In more recent bands the observed life table drops just above 60% surviving. The average age of retirement is 19 years, and the average age of current survivors is nearing 8 years. Considering the analysis indications, the various approved lives and dispersion patterns, the expected impact of regulation, Company plans and expectations, and the young average age of survivors for this type of asset, this study proposes 68 R4. A graph of the observed life table and the proposed life and curve is shown below.

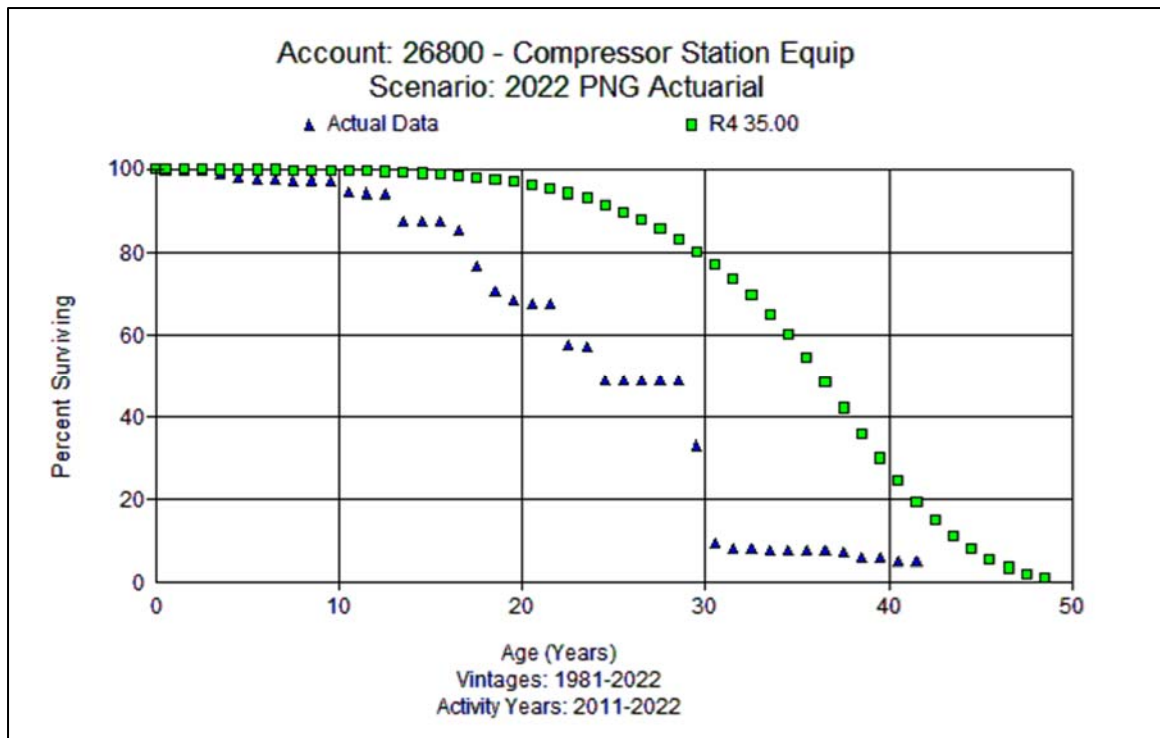


Account 26800 Compressor Station Equipment (35 R4)

This account includes cost of transmission compressor station equipment such as boiler plant, compressed air equipment, electric power system equipment, fire-fighting equipment, and gas lines and equipment. The account balance is approximately \$209.7 million. The approved life for NC is 35 R4.

Discussions with Company SMEs indicated that there are three stations that have been or are being retired: Battleboro, Pembroke, and Monroe (retire post ACP). There are five stations remaining, which have been installed in the last 15 years. Two are electric motor driven reciprocating and three are gas driven reciprocating. PNG is in the process of building four new stations that are electric motor driven reciprocating. The Company believes a 35-year life is more in line with Company expectations.

The full band analysis, Placement 1981-2022 and Experience 2011-2022, results in a great fit with 23 R3 or 24 R2.5. The only subsequent placement band, 1993-2022, also indicates a lower life with 22 R3, but it does not drop to 60% surviving. Since the earliest experience band starts at 2011, there are not a lot of fits. While the life analysis indicates a much shorter life, Company SMEs do not believe a lower life is warranted at this time. Based on the analysis, recent investment, discussions with Company personnel, and future expectations, this study proposes retaining the existing 35 R4 dispersion. A graph of the observed life table and the proposed life and curve is shown below.

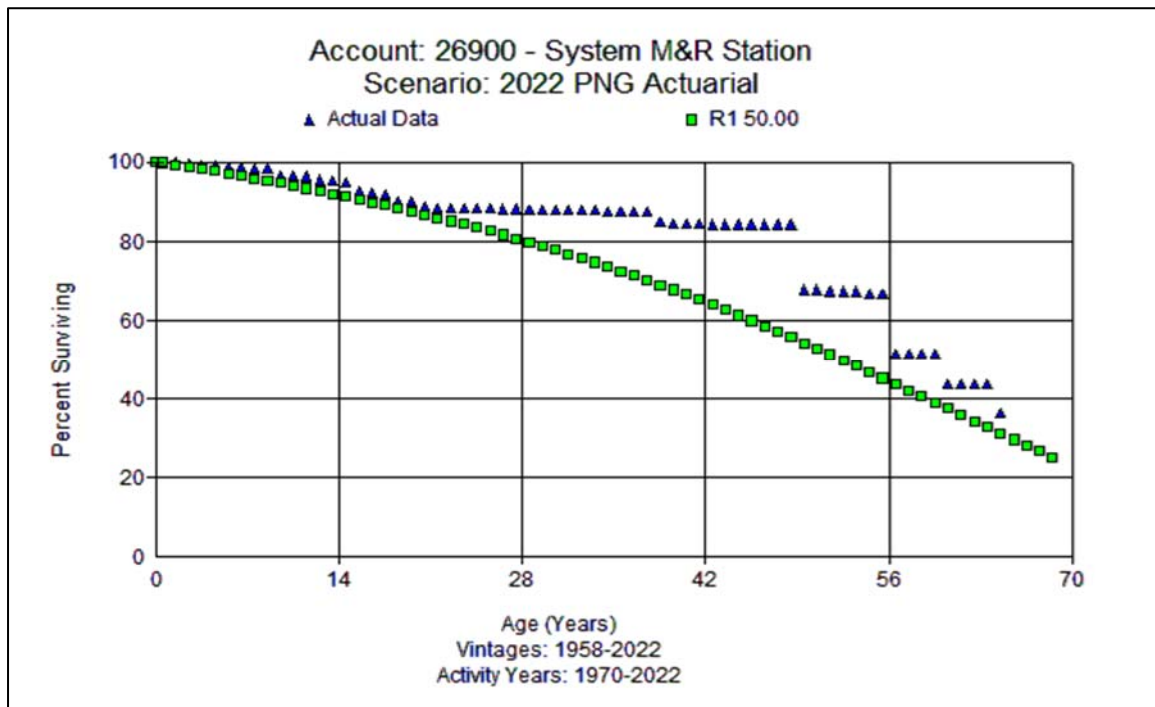


Account 26900 M&R Station Equipment (50 R1)

This account includes measuring equipment, gauges, piping, and valves associated with the transmission system. There is approximately \$410.5 million in this combined account which includes NC, SC, and TN direct property. The approved lives are 45 R4 for NC, 55 R4 for SC, and 50 R1 for TN.

Discussions with Company SMEs indicated transmission may be static or trend downward due to future regulation related to the inlet replacements needs. They are not replacing stations at any different rate than in the past, and they see no operational reason that the life would increase.

The majority of the account, 88 percent, has been added since 2012 with an overall average age of survivor nearing 7 years. Average age of retirements is about 12 years, which is young based on average service life expectations. There has been only \$9 million retired with \$8 million occurring since 2022. Considering the age, retirements, type of assets, Company expectations, and judgment, this study recommends 50 R1. A graph of the observed life table and the proposed life and curve is shown below.

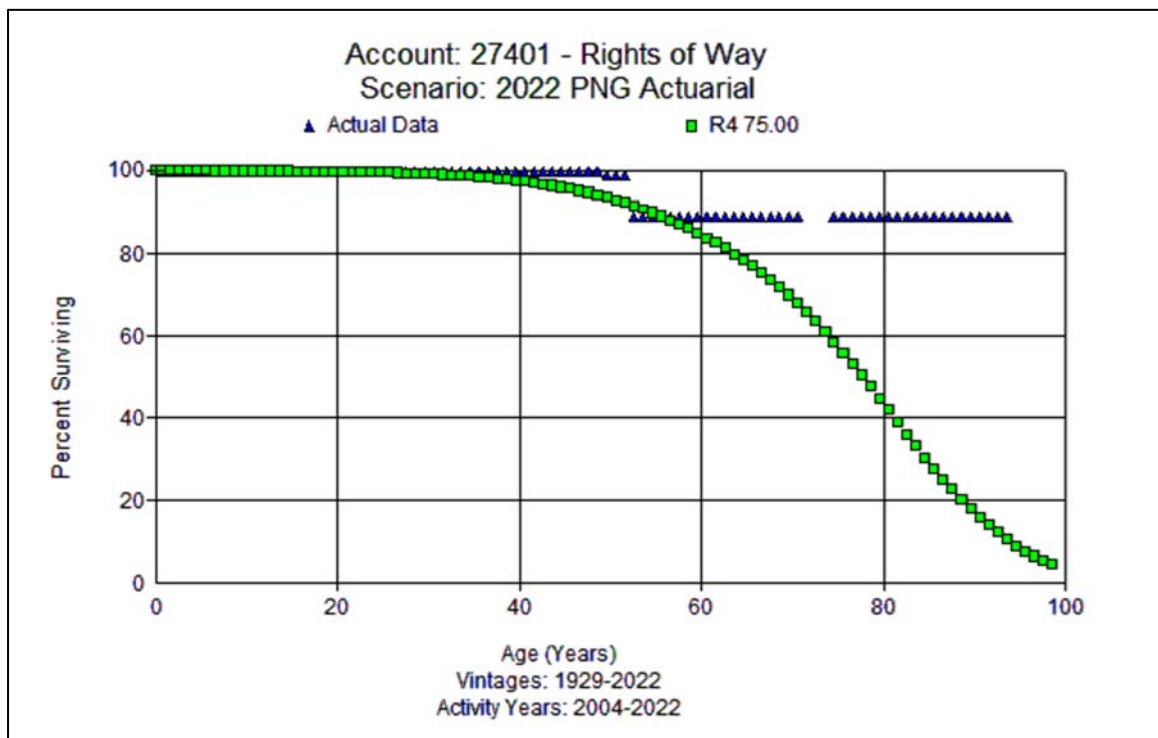


Distribution Plant

Account 27401 Land Rights (75 R4)

This account includes the cost of rights of way used in connection with distribution operations. There is approximately \$23.6 million in this combined account which includes NC, SC, and TN direct property. The approved lives are 75 R4 for NC and SC and 73 R4 for TN.

There have been only a few retirements recorded throughout time and few are expected in the future. Since there are few retirements, the life analysis has limited value. Consistent with the prior studies, the life of rights of way is linked to the underlying assets, which are primarily mains. The expectation is that the life will be at least that of mains, but generally longer. Based on the life for Account 276, Mains, this study recommends 75 R4. A graph of the observed life table and the proposed life and curve is shown below.

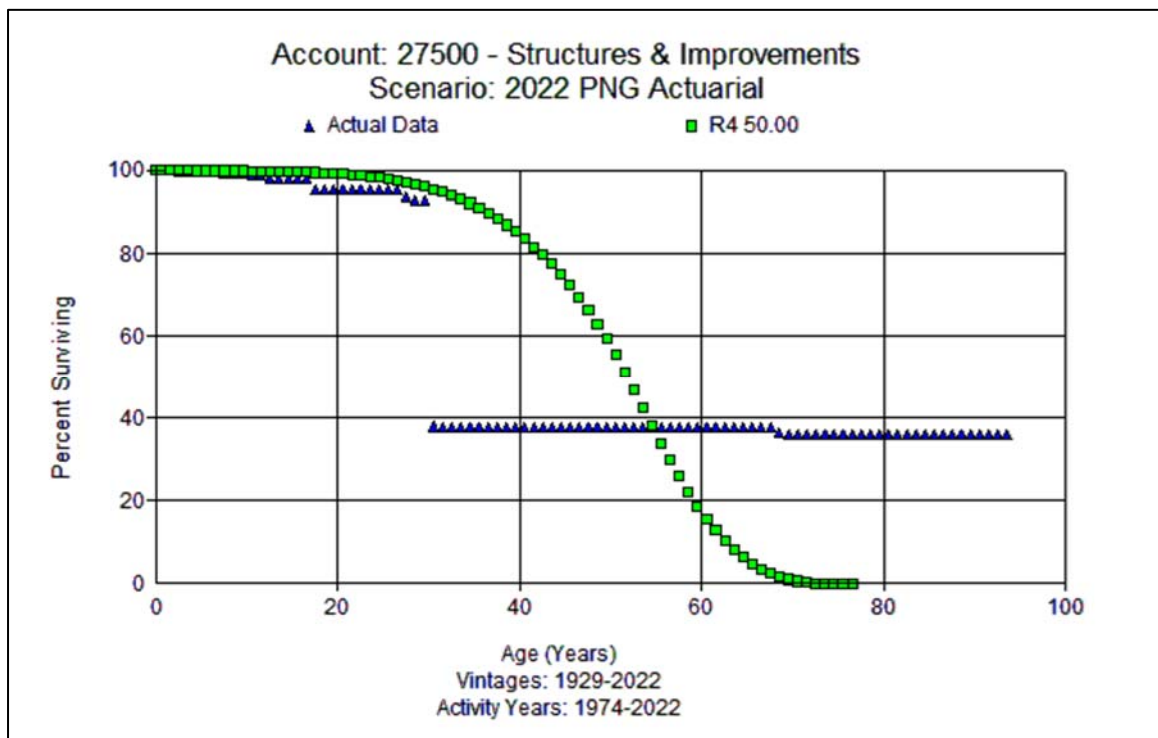


Account 27500 Structures and Improvements (50 R4)

This account includes buildings. There is approximately \$2.5 million in this combined account which includes NC, SC, and TN direct property. The approved lives are 50 R4 for NC and SC and 29 R4 for TN.

Discussions with Company personnel indicated that there are primarily small sheds for SCADA equipment.

There have been limited historical retirements, with some small retirements occurring in recent years. The additions to the account from 2000-2022 make up about a third of the current investment. However, the current average age of investment is 23 years. The few retirements that have occurred in the past had an average age of approximately 29 years. Based on the type of assets in the account, the average age and judgment, this study proposes 50 R4. A graph of the observed life table and the proposed life and curve is shown below.

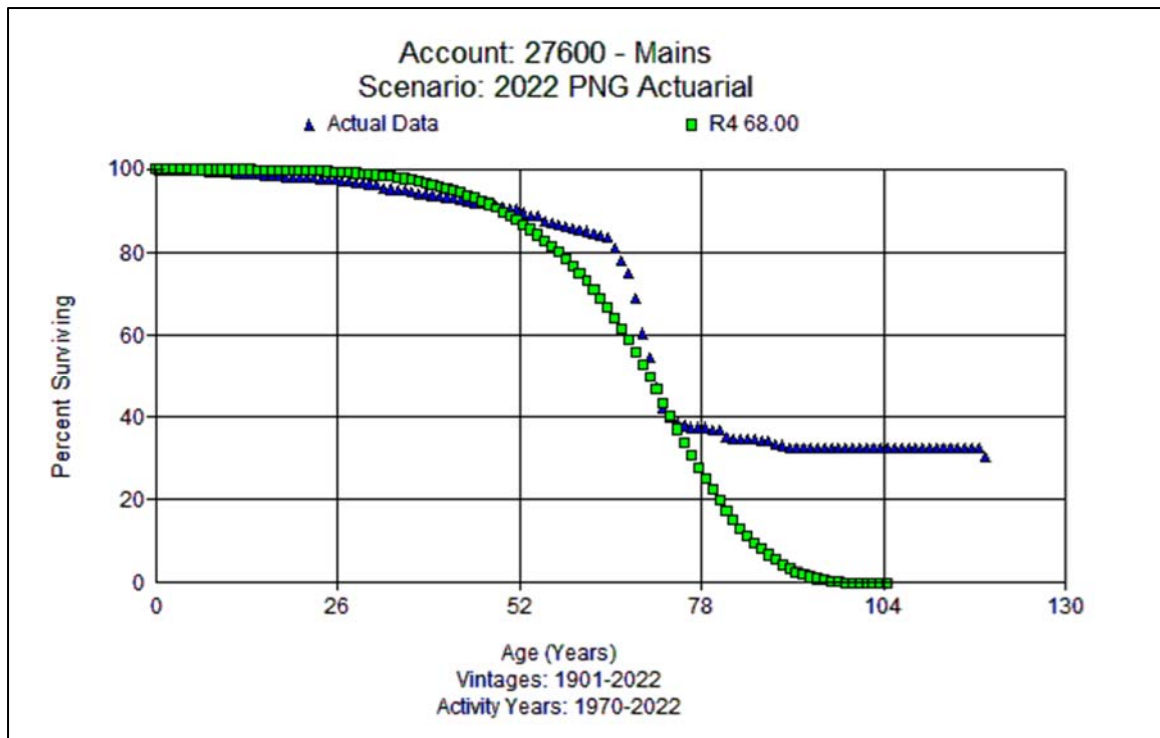


Account 27600 Mains – All (68 R4)

This account consists of all sizes of distribution mains as well as miscellaneous fitting, equipment, miscellaneous piping, and cathodic protection. The system has both coated steel and plastic mains. There is approximately \$2.7 billion of investment in this combined account which includes NC, SC, and TN direct property. The approved lives are 65 R4 for NC, 70 R4 for SC, and 68 R4 for TN.

There has been significant investment (\$1.2 billion) from 2017-2022, which accounts for 44% of the total investment. Discussions with Company SMEs indicated that they have no cast iron mains, nearly no low-pressure mains, and no bare steel mains. PNG has addressed most of the pre-1974 plastic mains, but some remain and are being watched. They are seeing more forced relocations due to growth and road projects (DOT). Regulations could shorten the life while the routine assessments would help extend the life in the long term. Third party damage is a major contributor to retirement. Company personnel note that there has been little change since the last study.

The average age of investment is about 14 years, and the average age of retirement is 27 years. The full band is the only band that drops below 60% surviving, with life indications of 68-70 years. Based on the direction seen in the analysis, discussions with Company SMEs, type of assets, and judgment this study recommends 68 R4. A graph of the observed life table and the proposed life and curve is shown below.

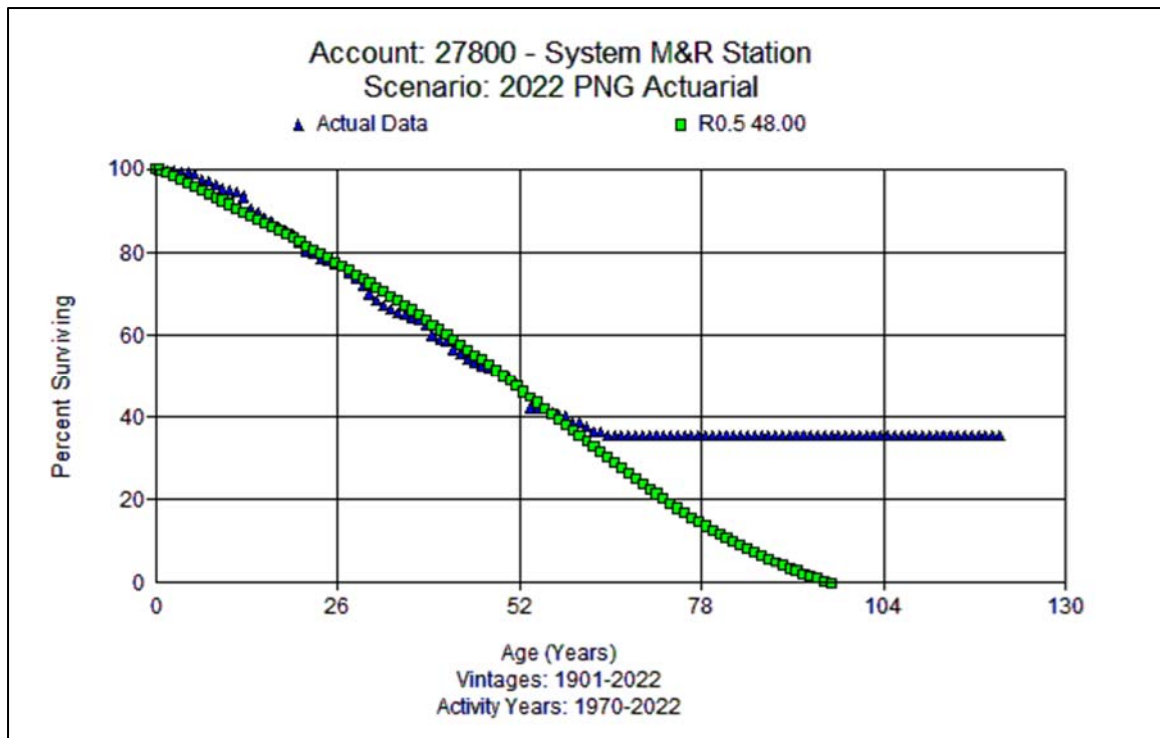


Account 27800 M&R Station Equipment (48 R0.5)

This account consists primarily of buildings, meter sets, filter/strainers, miscellaneous equipment, regulators, relief valves, station fittings, and equipment. There is approximately \$153.4 million of investment in this combined account which includes NC, SC, and TN direct property. The approved lives are 55 R2 for NC and SC and 35 R3 for TN.

Discussions with Company personnel indicated that the components in transmission, district regulator stations (“DRS”), or city gates are the same assets. The regulators have a 12-month (not to exceed 15 month) maintenance cycle. In the Carolinas, stations are typically installed on PNG owned easements or land (not in DOT right of way). There is no operational reason that the distribution station lives should be increasing. They would expect a slightly shorter life for the DRS in this account due to road widening, cars hitting, etc. The continued growth would suggest the upgrading of stations over time as well.

The combined entity analysis suggests a longer life around 48 years in the fuller band and 40-42 in mid-band. There is an excellent fit, to 40% surviving, in the full band (P1901-22 E70-22) of 48 R0.5. Based on the life analysis and information from Company SMEs, this study recommends 48 R0.5. A graph of the observed life table and the proposed life and curve is shown below.

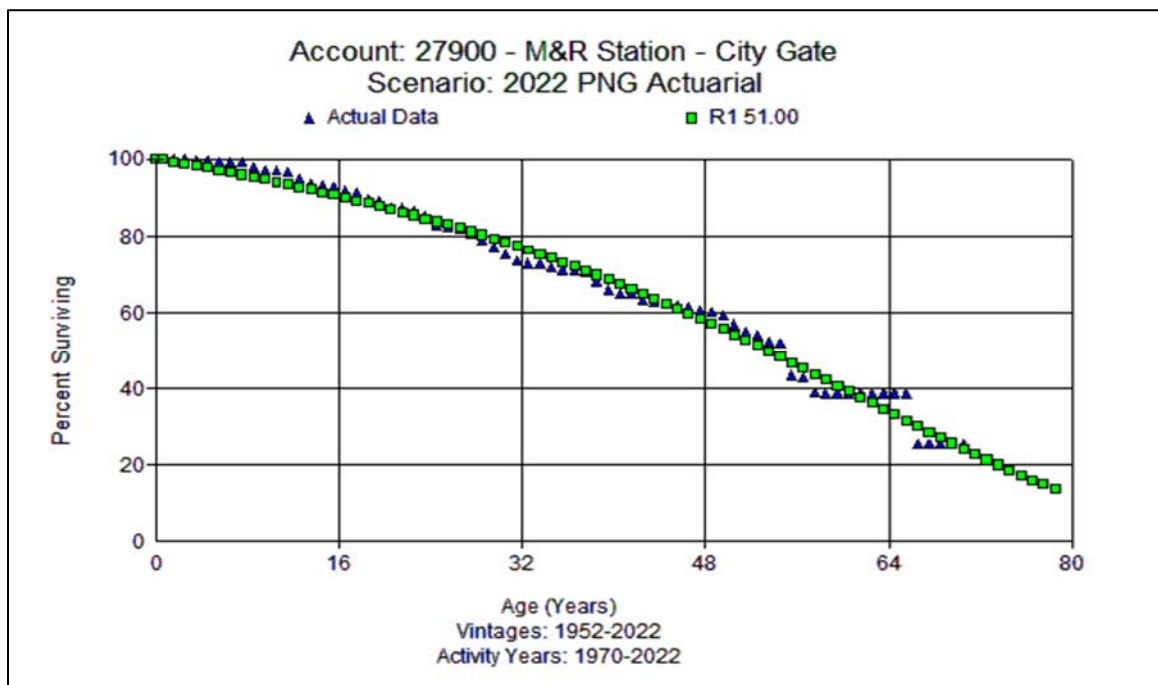


Account 27900 M&R City Gate Equip. (51 R1)

This account consists primarily of buildings, electronic correctors, meter sets, station fittings, and equipment. There is approximately \$184.2 million of investment in this combined account which includes NC, SC, and TN direct property. The approved lives are 55 R2 for NC and SC and 41 R4 for TN.

Discussions with Company personnel indicated that the components in transmission, DRS, or city gates are the same assets. The regulators have a 12-month (not to exceed 15 month) maintenance cycle. In the Carolinas, stations are typically installed on PNG owned easements or land (not in DOT right of way). City gates are expected to have a slightly longer life than DRS.

The life analysis indications are consistent across the bands analyzed. The average age of survivors is about 7 years. A majority of the fits are less than 55 years. Based on the analysis, type of assets, and Company expectations, we recommend 51 R1. A graph of the observed life table and the proposed life and curve is shown below.

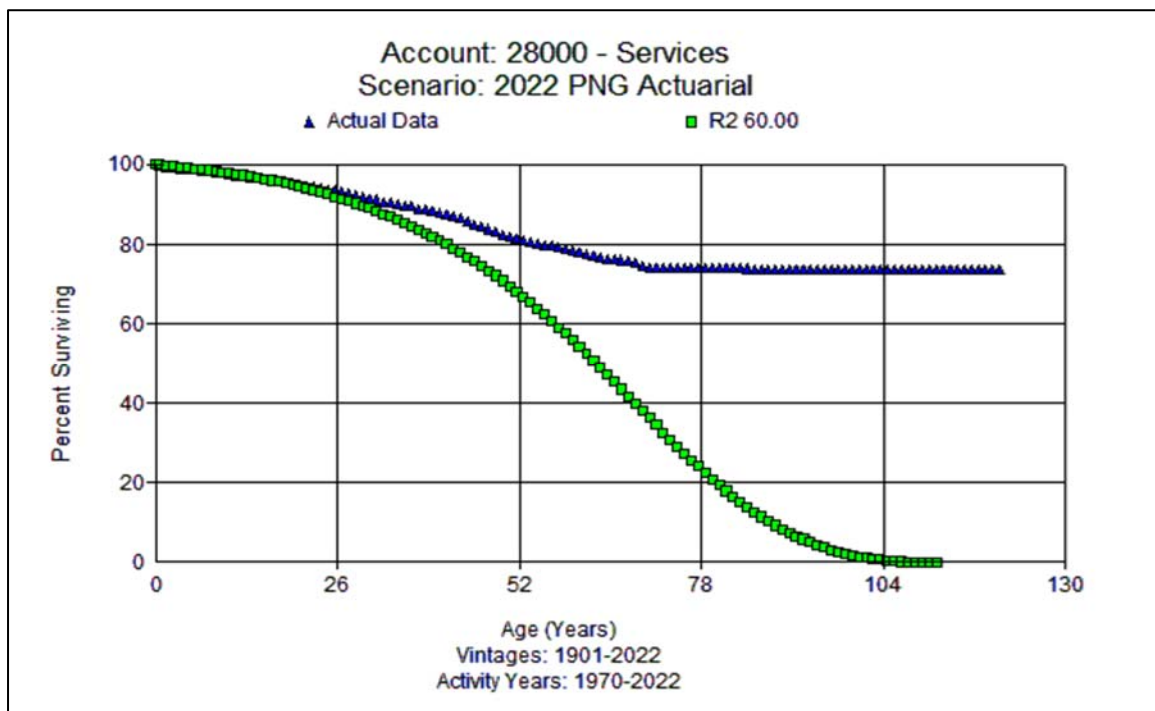


Account 28000 Services (60 R2)

This account consists of steel and plastic services. There is approximately \$1.5 billion of investment in this combined account which includes NC, SC, and TN direct property. The approved curves for this account are 60 R2.5 for NC, 65 R2.5 for SC, and 60 R2 for TN.

Discussions with Company SMEs indicated that most services are plastic. The Company indicated that there should be some differential between the life of mains and services (with services having a shorter life). There are more frequent dig-in and relocations with services. When mains are replaced, in many situations, the service would be replaced as well (e.g., steel service with plastic main, early vintage plastic, etc.).

The actuarial analysis indicates a longer life than expected. Based on recent activity, type of assets, Company expectations, and judgment, this study recommends the 60 R2 dispersion pattern. A graph of the observed life table and the proposed life and curve is shown below.

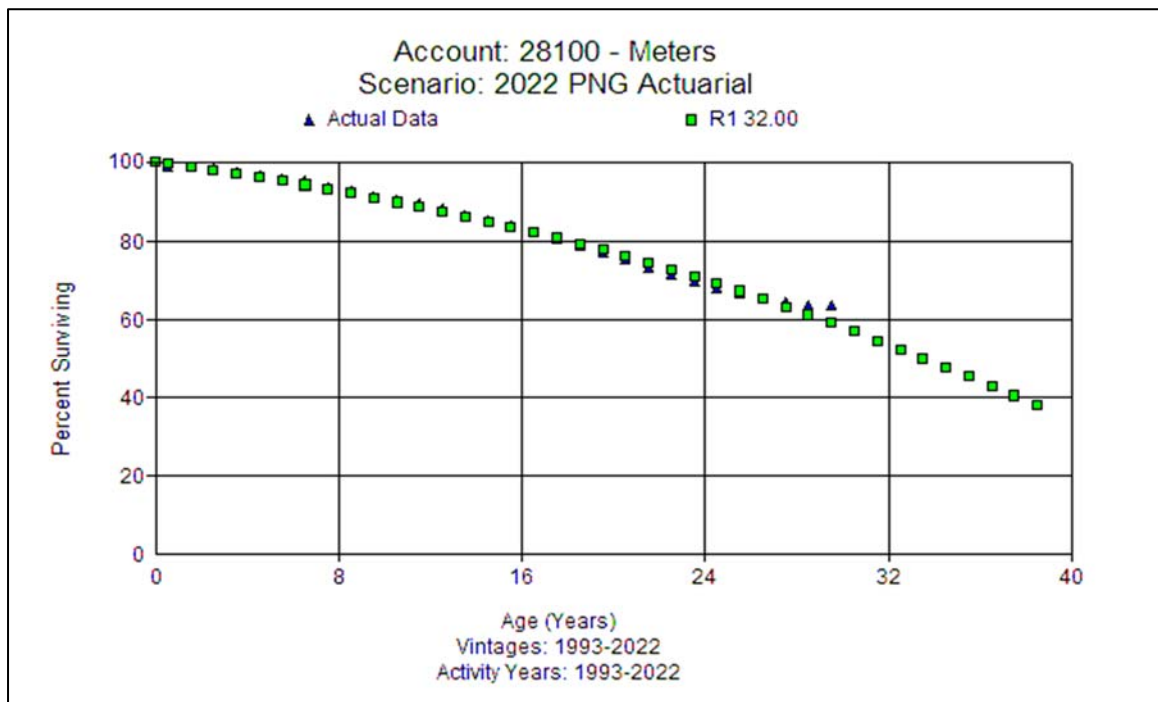


Account 28100 Meters – Commercial & Industrial (32 R1)

This account includes the cost of commercial and industrial meters. There is approximately \$74.5 million of investment in this combined account which includes NC, SC, and TN direct property, as well as 2 and 3 State. The approved lives are based on all meters and are 29 R1.5 for NC and 3 State, 35 R1.5 for SC, and 30 R3 for TN.

Discussions with Company SMEs indicated that the new meter technology to be implemented will initially be for residential only. Commercial meters will only have a few replacements for the next few years. Company personnel believe a life of 30-35 years is reasonable at this time.

The life analysis, which was all meters combined, indicates a longer life in the full band, and the mid and recent bands are slightly lower. This is consistent with the various meter technologies that occurred over the years. Commercial and Industrial meters will remain fairly close to 30–35-year range. Based on the discussion with Company SMEs, this study recommends 32 R1. A graph of the observed life table and the proposed life and curve is shown below.

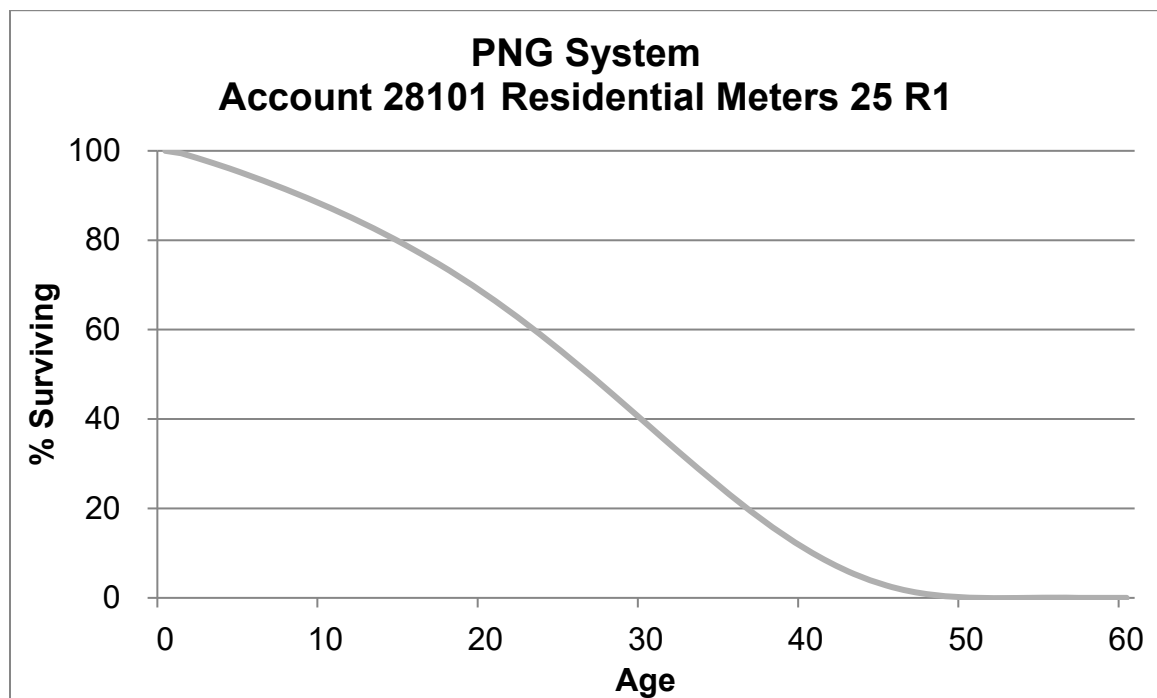


Account 28101 Meters – Residential (25 R1)

This account includes the cost of meters. There is approximately \$83.7 million of investment in this combined account which includes NC, SC, and TN direct property, as well as 2 State and 3 State. The approved lives are based on all meters and are 29 R1.5 for NC, 2 State and 3 State, 35 R1.5 for SC, and 30 R3 for TN.

Discussions with Company SMEs indicated they are focusing on residential meters over 30 years old for retirement. Initial deployment of new AMI meters in 2023 was halted and will resume in October of 2024. They will be installing Honeywell (AC250 NXS) ultrasonic meters. They are planning to complete replacements in 2029. In 2005-2006 they replaced all walk by meters with ERTs. Company personnel believe an overall life of 25 years is reasonable at this time.

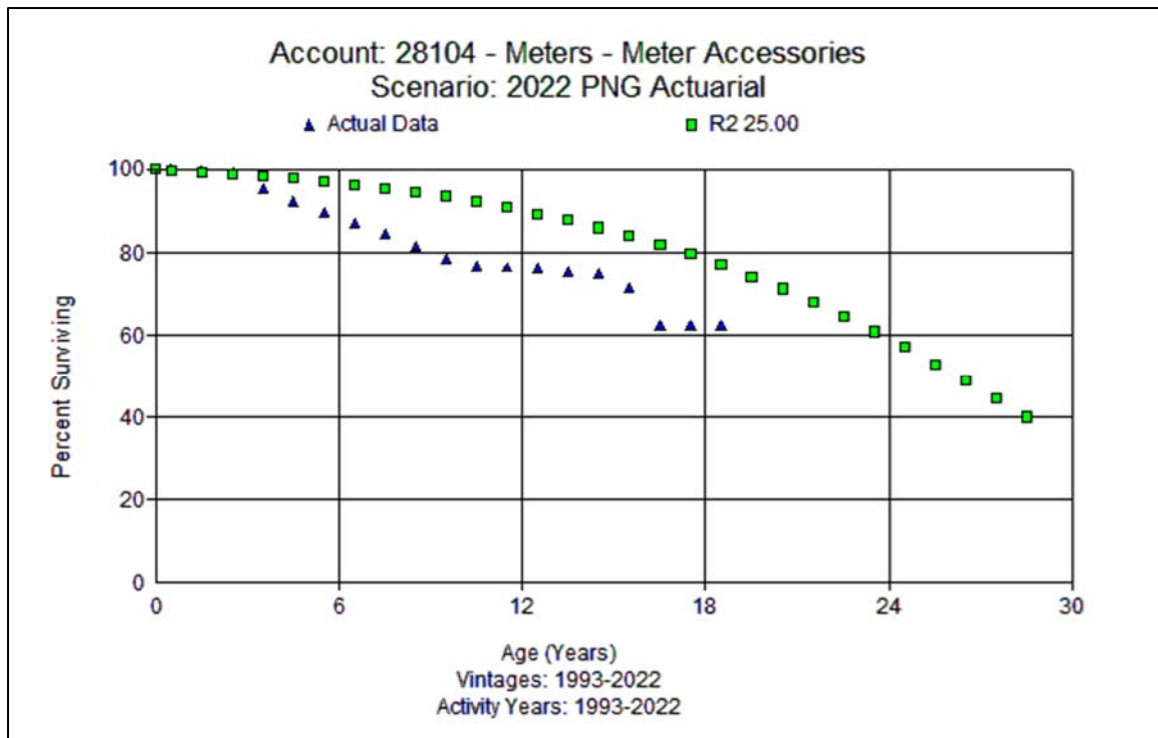
The life analysis, which was all meters combined, is not going to be reflective of these meters going forward due to planned replacement. Considering the plans on replacement, this study recommends 25 R1. A representative graph of the proposed life and curve is shown below.



Account 28104 Meter Accessories (25 R2)

This account includes the cost of meter accessories used in metering of customers. There is approximately \$2.0 million of investment in this account which is only in 2 State. The approved lives are 16 R1.5 2 State and 20 R4 for TN.

This account has a small remaining balance to depreciate and based on the proposed 25 R2 with the current investment it will have a 5.11-year remaining life. Similar types of assets were recorded in Account 28105 with different meter technology. The Company is planning to implement entirely new AMI meters for residential customers, which will be recorded in Account 28106. A graph of the observed life table and the proposed life and curve is shown below.

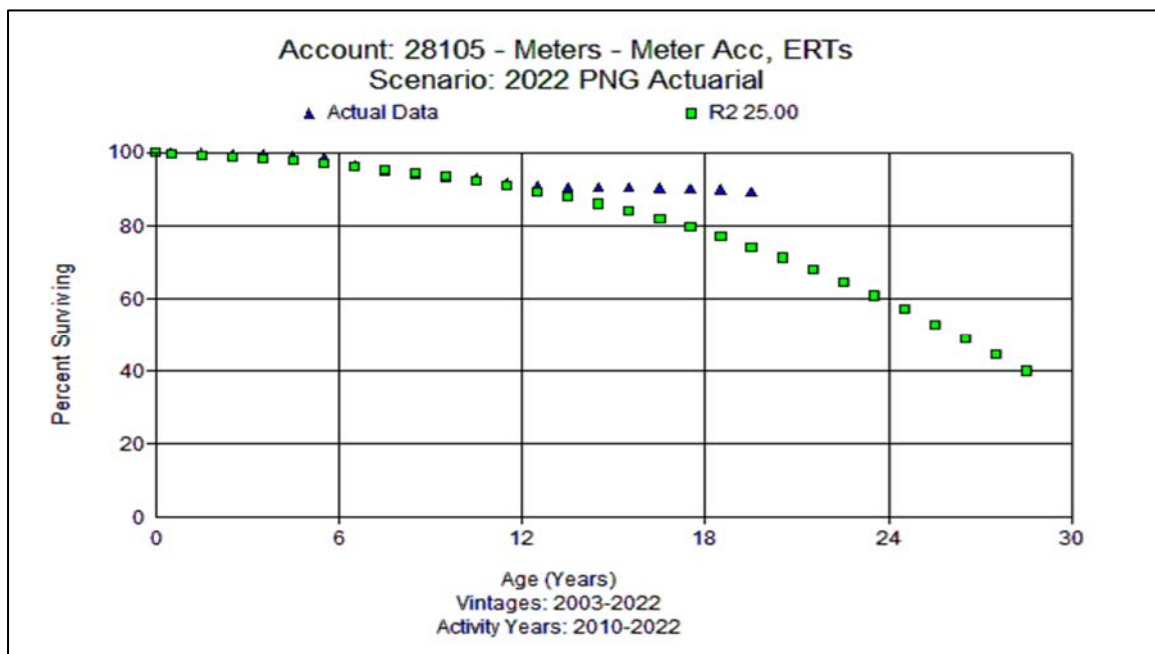


Account 28105 Meter Accessories & ERTS (25 R2)

This account includes the cost of automatic meter reading accessories and related equipment. There is approximately \$67.6 million of investment in this combined account which includes NC, SC, and TN direct property as well as 3 State. The approved lives for this account are 15 R4 for NC, SC, and 3 State and 20 R4 for TN.

Discussion with Company SMEs indicated that this equipment is technologically very different than the older designs. ERTs are installed on meters by the vendor. If a meter is being replaced, the Company will replace the ERT at the same time but will not replace a meter if an ERT is being replaced.

The limited life analysis in the study, due to the earliest retirement being recorded in 2010, suggests a longer life and flatter dispersion. The 2005-2006 installed ERTs are 40G and are expected to last 20-25 years. Considering information from manufacturers, discussions with Company SMEs, and knowledge of this type of equipment, this study recommends the 25 R2. A graph of the observed life table and the proposed life and curve is shown below.

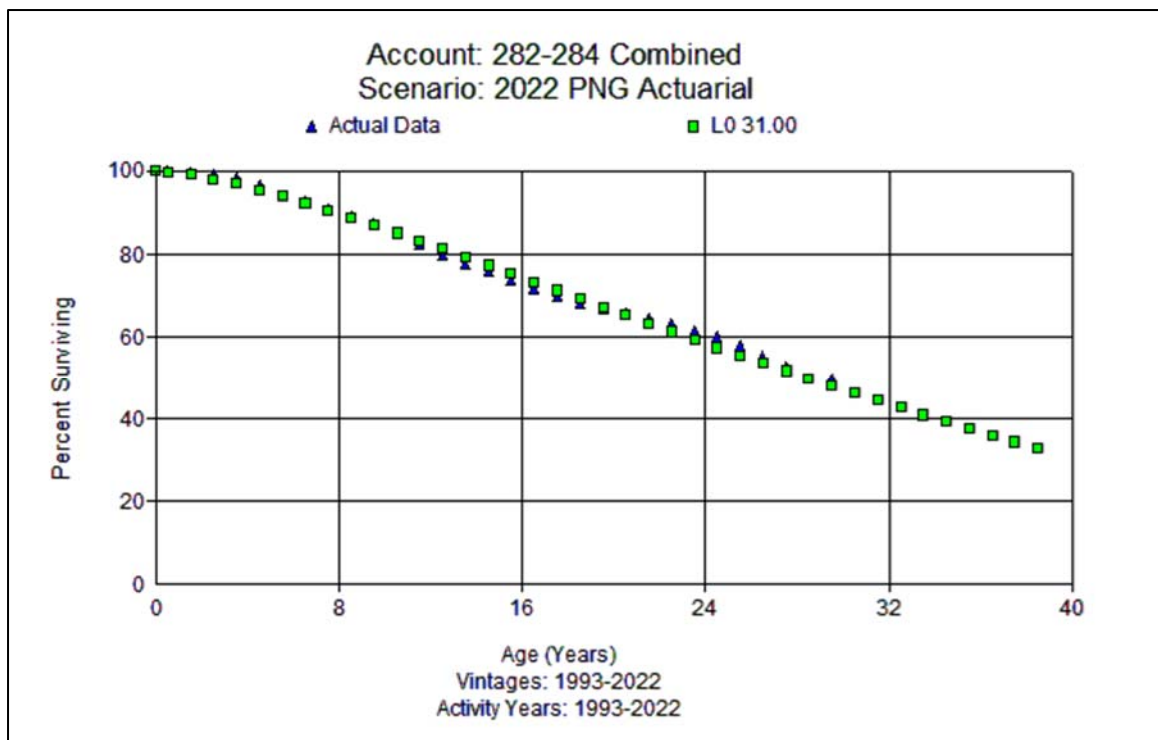


Account 28200 Meter Installations (31 L0)

This account includes the cost of installation of meters. There is approximately \$105.5 million of investment in this combined account which includes NC, SC, and TN direct property. The approved lives for this account are 29 R1.5 for NC, 29 R2.5 for SC, and 30 R3 for TN. Accounts 28200, 28300, and 28400 were combined for one analysis.

Discussions with Company SMEs indicated that they implemented a process in 2010 that will retire a meter installation at the same time a meter (Account 281) is retired. The analysis that was run includes Accounts 282-284.

The life analysis indicates a lower life in the more recent bands and longer in the full bands. There is a new AMI meter that is being implemented for all residential customers across the system. Due to the process from 2010 and now the new meter rollout, this study recommends moving to 31 L0. A graph of the observed life table and the proposed life and curve is shown below.



Account 28300 House Regulators (31 L0)

This account includes the cost of house regulators. There is approximately \$20.2 million of investment in this combined account which includes NC, SC, and TN direct property. The approved lives for this account are 29 R1.5 for NC, 29 R2.5 for SC, and 30 R3 for TN. See the discussion above in Account 28200 and the graph, which represents the combined analysis of Accounts 282-284.

Account 28400 House Regulator Installations (31 L0)

This account includes the cost of installing house regulating equipment. The current balance is approximately \$4.2 million in this combined account which includes 2 State – NC and TN. The approved lives for this account are 29 R1.5 for NC and 30 R3 for TN. See the discussion above in Account 28200 and the graph, which represents the combined analysis of Accounts 282-284.

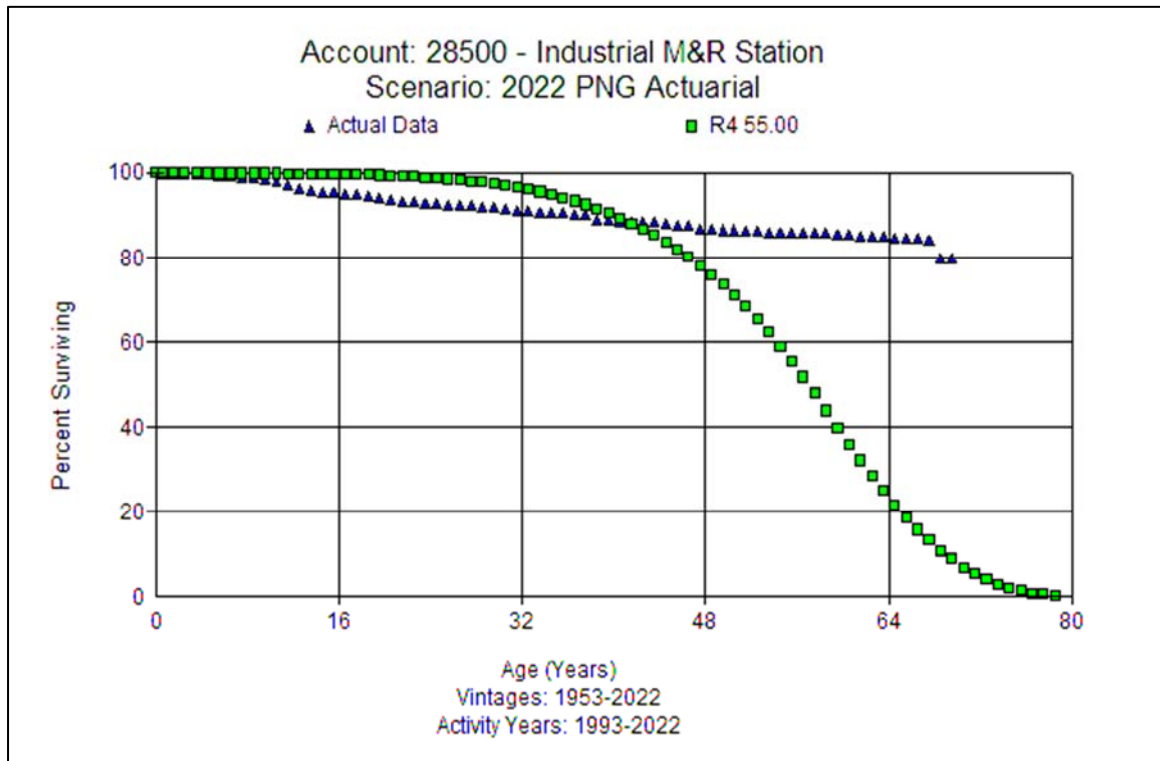
Account 28500 Industrial M&R Station Equipment (55 R4)

This account includes electronic corrector, fences, filter/strainer, meter installation, meter sets, regulators, relief valves, electronic pressure recorders, valves, station fillings, and equipment at specific industrial customer sites. The current balance is approximately \$72.1 million for this combined account which includes NC, SC, and TN direct property. The approved lives for this account are 55 R4 for NC and SC and 40 R2 for TN.

Discussions with Company SMEs indicated that the M&R equipment in the other accounts (269, 278, and 279) is similar. However, for Industrial M&R they typically expect a longer life as they try to repair the large industrial meters. This is evident in the analysis. The current average age of the surviving investment and the average age of retirements are both 15 years.

Retirements have been recorded across the years, but they are only small amounts, and the survivor curve does not drop below 80 percent in the full band. This limits the value of the analysis. Based on the analysis, type of equipment,

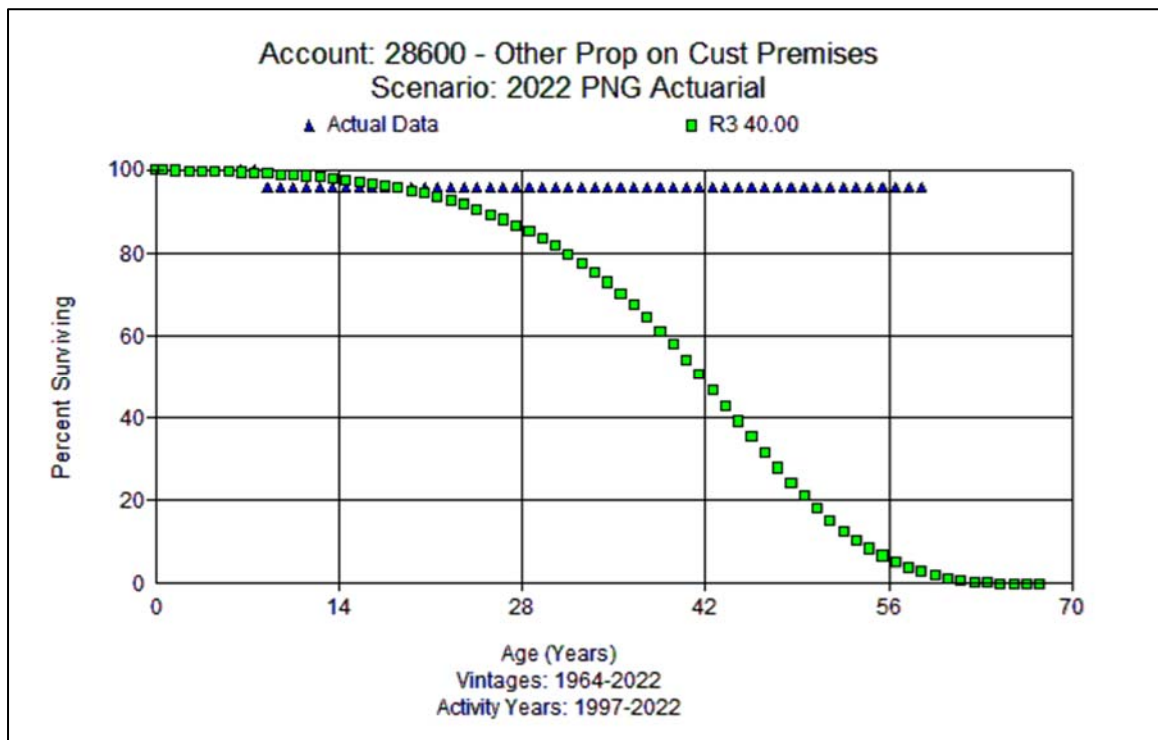
discussions with Company personnel, and judgment this study recommends 55 R4. A graph of the observed life table and the proposed life and curve is shown below.



Account 28600 Property on Customer Premises (40 R3)

This account includes the cost of other property on customer premises. The current balance is \$743 thousand. The approved life is 40 years with the R3 dispersion for the three entities' (NC, SC, and TN) direct property.

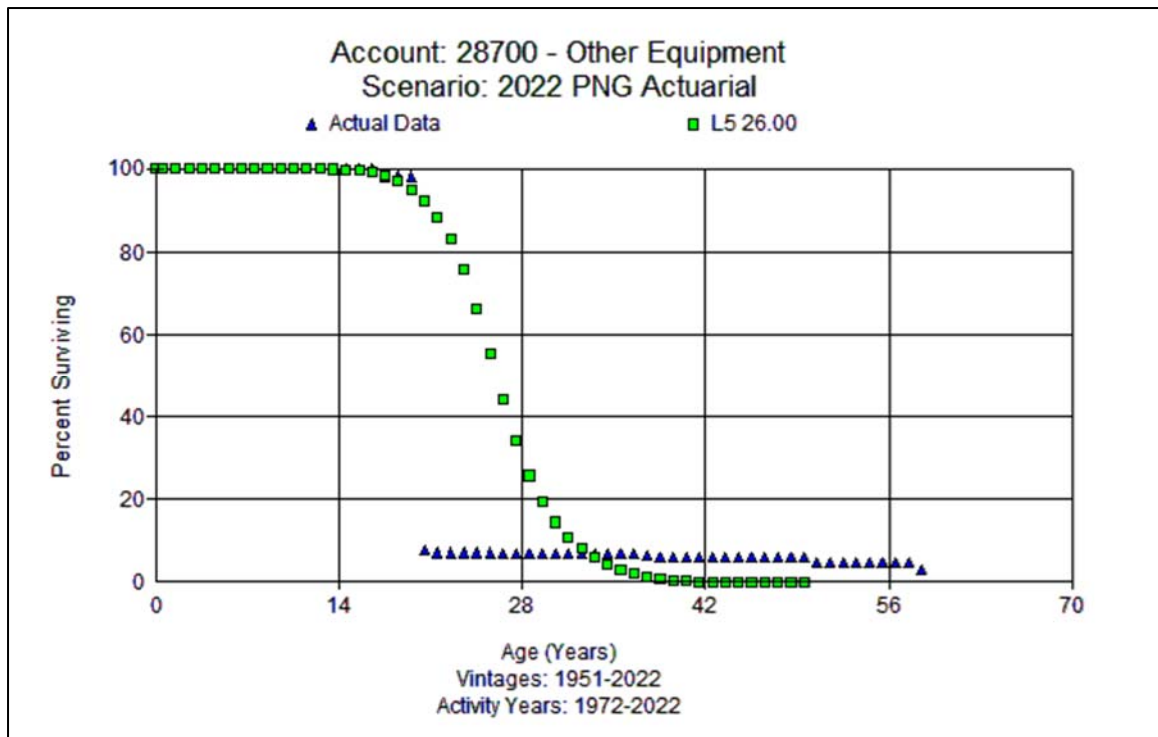
The average age of retirement is 30 years and survivors are about 46 years. Only a few retirements have been recorded in the past. The limited retirement activity does not allow for a meaningful life analysis. Based on type of assets and judgment, this study recommends the 40 R3, which is the current approved for all three jurisdictions. A graph of the observed life table and the proposed life and curve is shown below.



Account 28700 Other Equipment (26 L5)

This account includes the cost of miscellaneous gas equipment used in conjunction with providing distribution service. The current balance is about \$44 thousand. The approved life is 41 S6 for NC.

The average age of retirements is 22 years and average age of survivors is about 20 years. There was a large retirement in 2009 but the last recorded retirement was in 2010. Considering the analysis, type of equipment, and judgment, this study recommends 26 L5 for all entities going forward. A graph of the observed life table and the proposed life and curve is shown below.



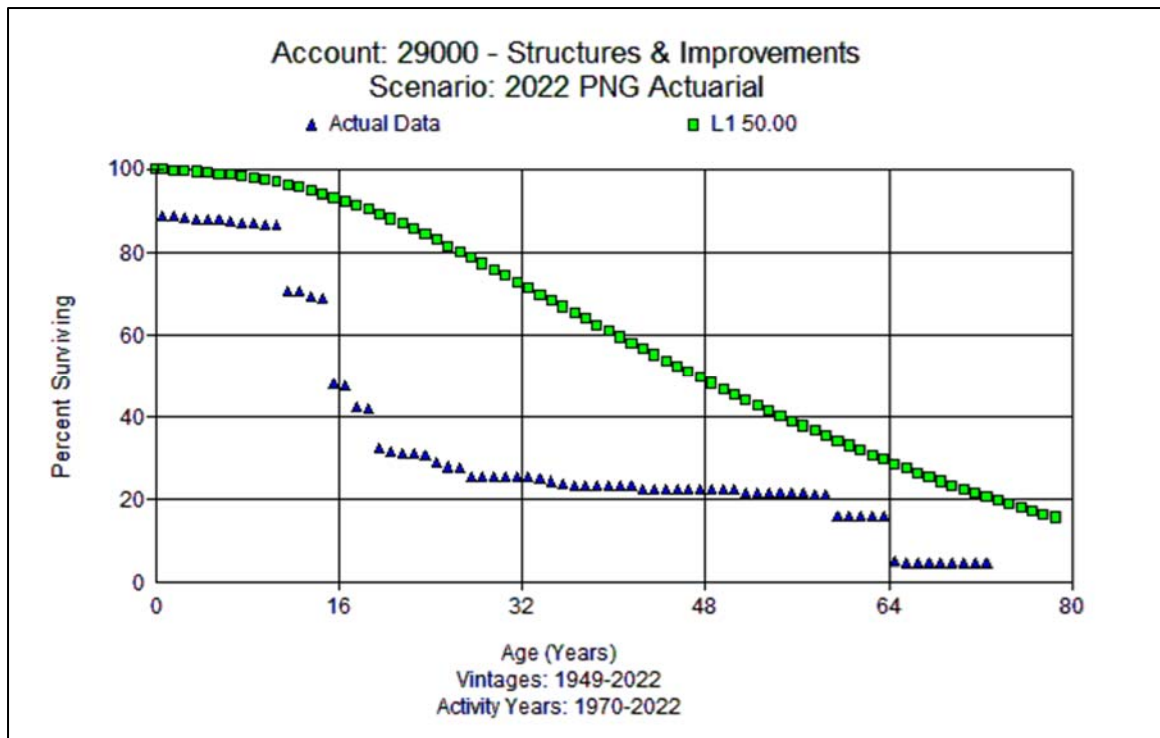
General Plant - Depreciated

Account 29000 Structures & Improvements (50 L1)

This account includes AC heating, buildings, elevator, crane, hoist system, structures & improvements, plumbing system, roof, security system, roads, and parking areas. Currently, there is about \$184.6 million in this combined account which includes NC, SC, and TN direct property as well as 2 State and 3 State. The approved lives for this account are 50 L1 for NC, SC, 2 State, 3 State and 45 R3 for TN.

Discussions with Company SMEs indicated that they follow ASHRA, which is the standard for lives of assets. There is one large structure in Nashville, an Operation Center. The superstructure could last 50 years not but substructures (e.g., HVAC and roofs). In the past, not many facilities have been sold but the few that were sold are long lived assets. They will renovate facilities on a 10 year cycle. They would perform preventative maintenance in the past but shifted to a run to fail approach for 3 years and are now moving back to preventative maintenance. HVAC, roofs, etc. would have a life of around 20 years. Piedmont Town Center ("PTC") was retired in 2019 (around \$50M). The trigger for selling facilities would have a number of factors (location, capacity needs, etc.). They exited PTC and another center in Charlotte. Their facilities strategy is not materially different than in the past except for some changes in Charlotte. Additional PTC retirements recorded in 2023 and 2024, outside of the actual study period, were reflected as proforma and encompassed various accounts in the general plant function.

The analysis indicates a shorter life due to more recent retirements recorded related to PTC and are not representative of future expectations. Based on Company plans and expectations for remaining properties, type of surviving assets, and judgment, this study proposes 50 L1. A graph of the observed life table and the proposed life and curve is shown below.

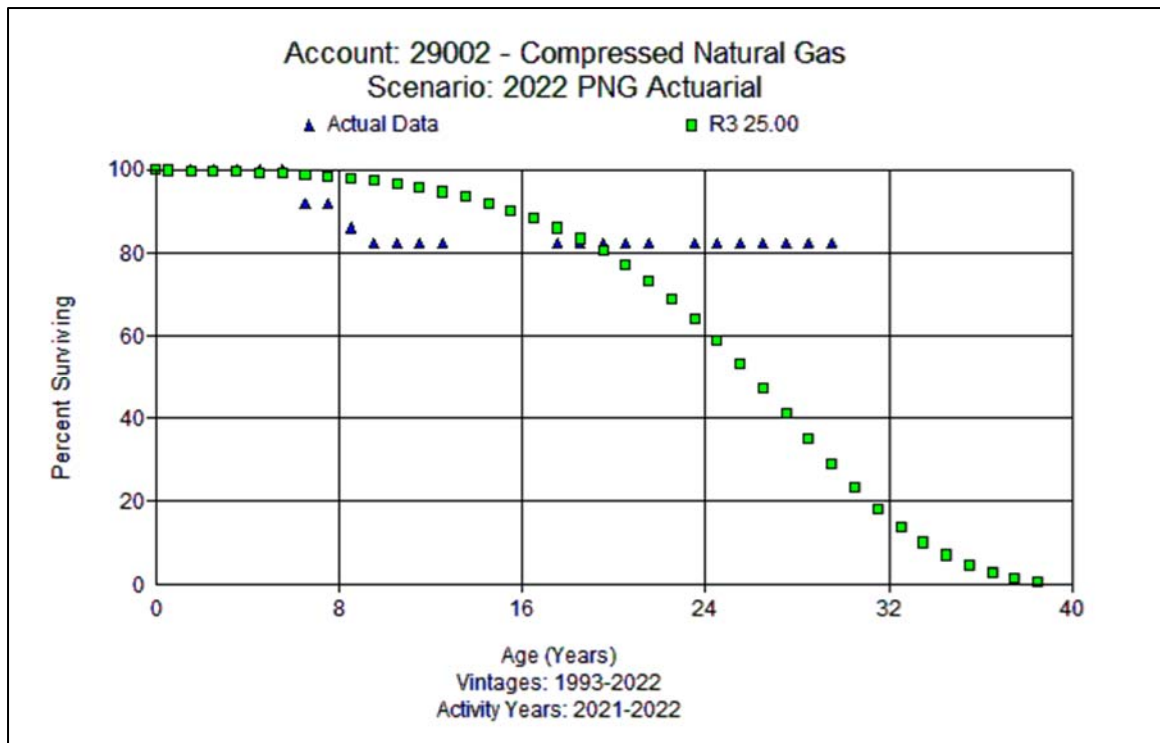


Account 29002 CNG Station Equipment (25 R3)

This account consists of station structures and improvements, storage cylinders, compressors, dryers, priority panels, and dispensers used in public CNG refueling stations. There is approximately \$33.8 million in this combined account which includes NC, SC, and TN direct property. The approved life is 25 R3 across all entities. In the recent past, these assets were segregated from various other accounts and combined into one account to better track the investment in CNG as well as its individual life characteristics.

Discussions with Company SMEs indicated that there are multiple sites across the three states. There have been upgrades to the stations and a new station in Wilmington was added in June 2022. Most of the stations are fairly comparable and have similar designs. The primary items are the compressors, and they are running much of the time. There are 13 publicly accessible CNG stations: eight in North Carolina, four in South Carolina, and one in Tennessee. They are planning a new station in Charlotte. In addition to the public stations, there are two private stations that PNG owns and operates.

Based on the composite investment and life expectations of the various assets at each station, this study recommends a 25 R3. A graph of the observed life table and the proposed life and curve is shown below.



Transportation and Power Operated Equipment

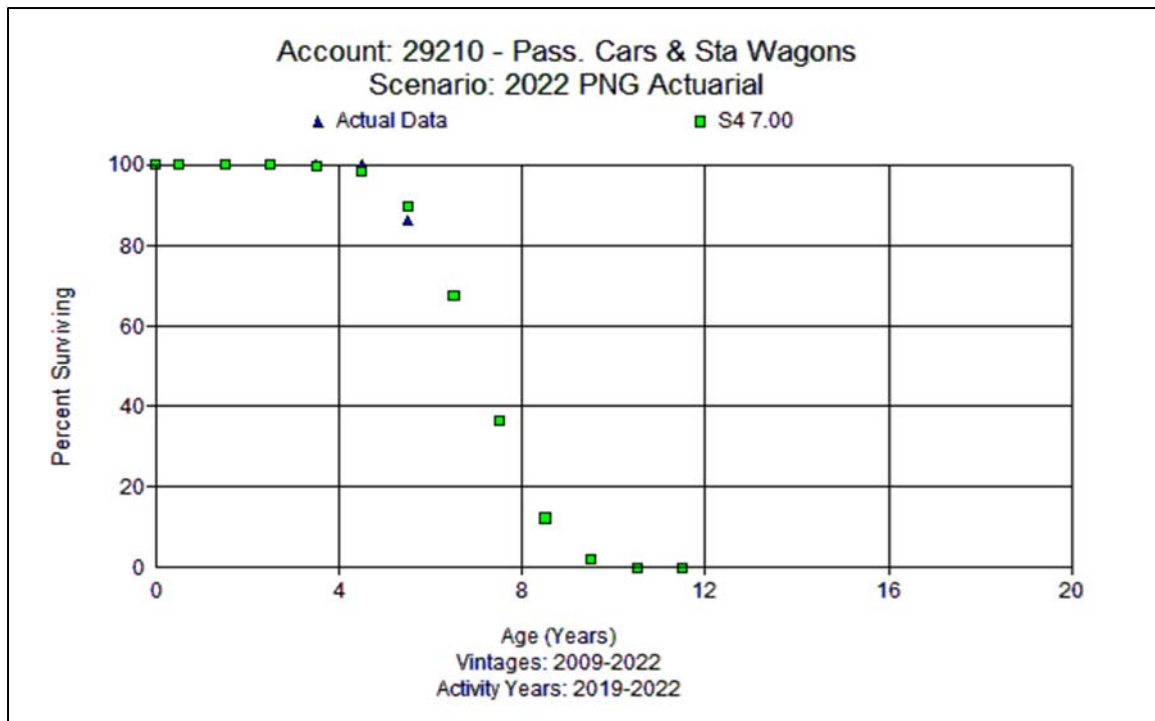
Transportation equipment and to some extent power operated equipment have experienced supply chain issues over the last couple of years (during the pandemic), which has caused the company to keep vehicles and some power operated equipment longer than expected. They believe that their replacement pattern will move back to normal and the current life cycles of the various classes of equipment are appropriate for the future. The Company currently uses a prioritization process for replacing vehicles using a scoring criterion, which allows them to focus on replacing based on availability of vehicles. Over half of the vehicles were cancelled in 2022. In 2023, they were not able to buy enough to replace the vehicles that were cancelled in 2022. The Company has segregated its transportation equipment into six distinct life classes in recent years, with account changes along the way. Many of the historical retirements were recorded in one primary account, 29200, so not every class of vehicle will have enough historical experience for analysis. The specific account detail that follows will not repeat this information, but it should be noted that it applies to the broad group of assets.

Account 29210 Passenger Cars & Station Wagons (7 S4)

This account consists of various cars and station wagons used in performing various general company operations. The approved life for NC, SC, and TN is 7 SQ. The current balance is \$3.6 million in this account.

Discussions with Company personnel indicated a 7-year replacement cycle is reasonable for this class of vehicle and is appropriate for the future.

Based on the analysis, Company plans and expectations, type of equipment, and judgment, this study proposes 7 S4. A graph of the observed life table and the proposed life and curve is shown below.

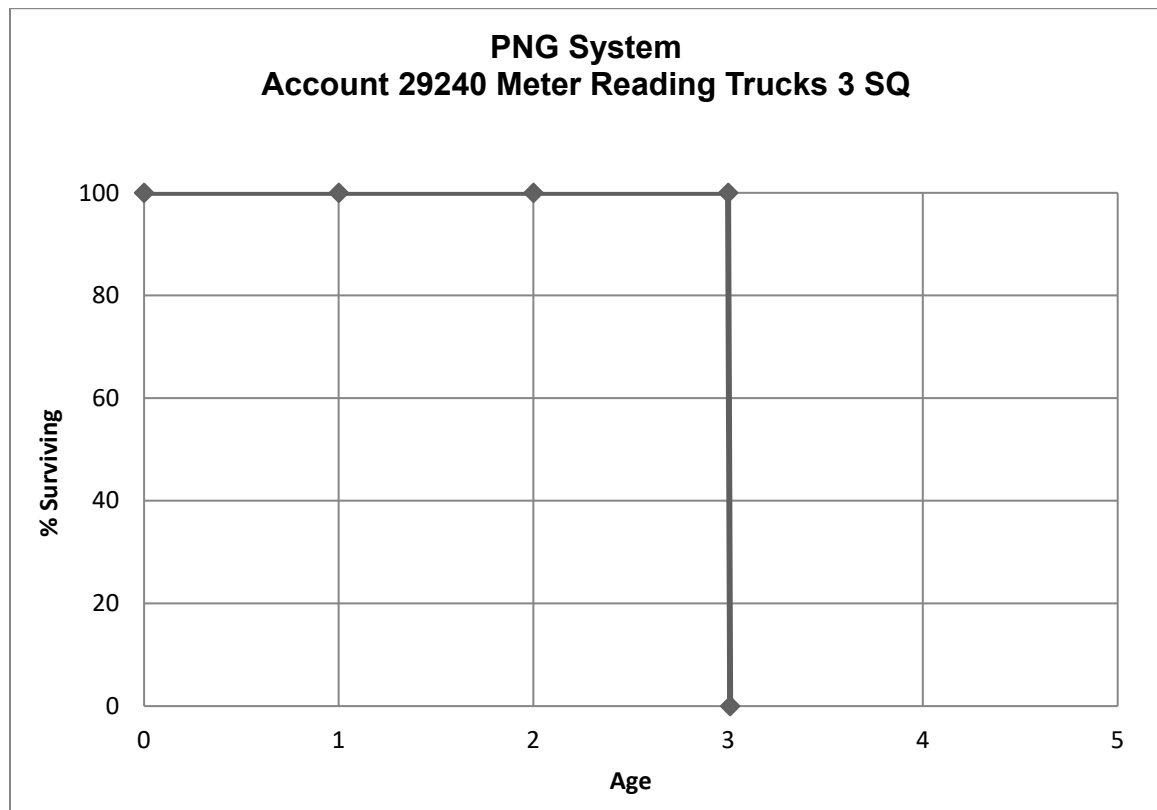


Account 29240 Meter Reading Trucks 3-Year (3 SQ)

This account consists of meter reading service trucks used in performing various general company operations. There is approximately \$504 thousand in this account. The approved life for this account is 3 SQ for NC and 3 State.

Based on discussions with Company SMEs these vehicles are used every day and accumulate high mileage in a short period of time. They average between 40,000 and 50,000 miles per year and will hit 150,000 in three years. Based on their criteria, these assets are expected to last about 3 years.

This study recommends 3 SQ. No analysis was able to be performed, so a representative graph of the proposed life and curve is shown below.

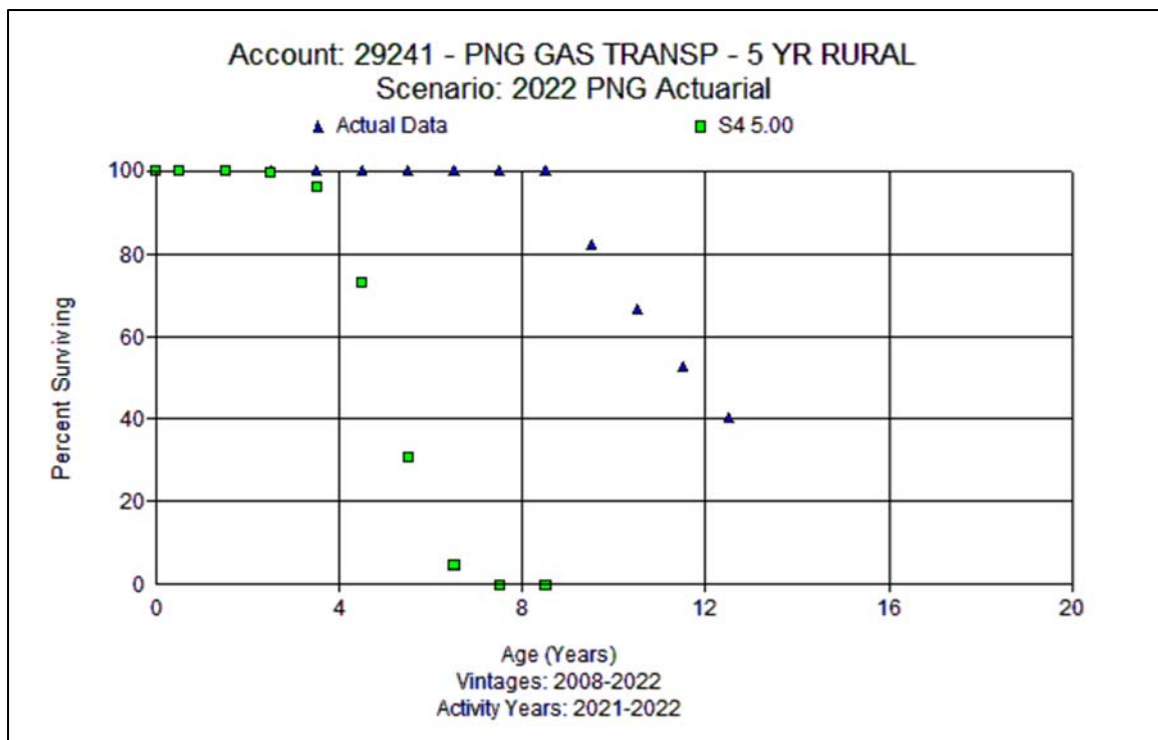


Account 29241 Rural Use 5-Year (5 S4)

This account consists of primarily light duty trucks used in performing various general company operations. There is approximately \$17.3 million in this account. The approved life for NC, SC, and 3 State is 5 SQ.

Based on discussions with Company SMEs, these assets are rural small (1 ton or less) vehicles used by service tech and operations personnel, and they generally would expect them to have a 5-year life. Rural areas cover a larger area and will incur more miles on the vehicles. They believe current life cycles are appropriate in the long term.

The life analysis does not indicate the life expected by the Company, but as explained previously the planned replacement schedule has been interrupted. Based on the analysis, Company plans and expectations, type and use of assets, the study recommends 5 S4. A graph of the observed life table and the proposed life and curve is shown below.

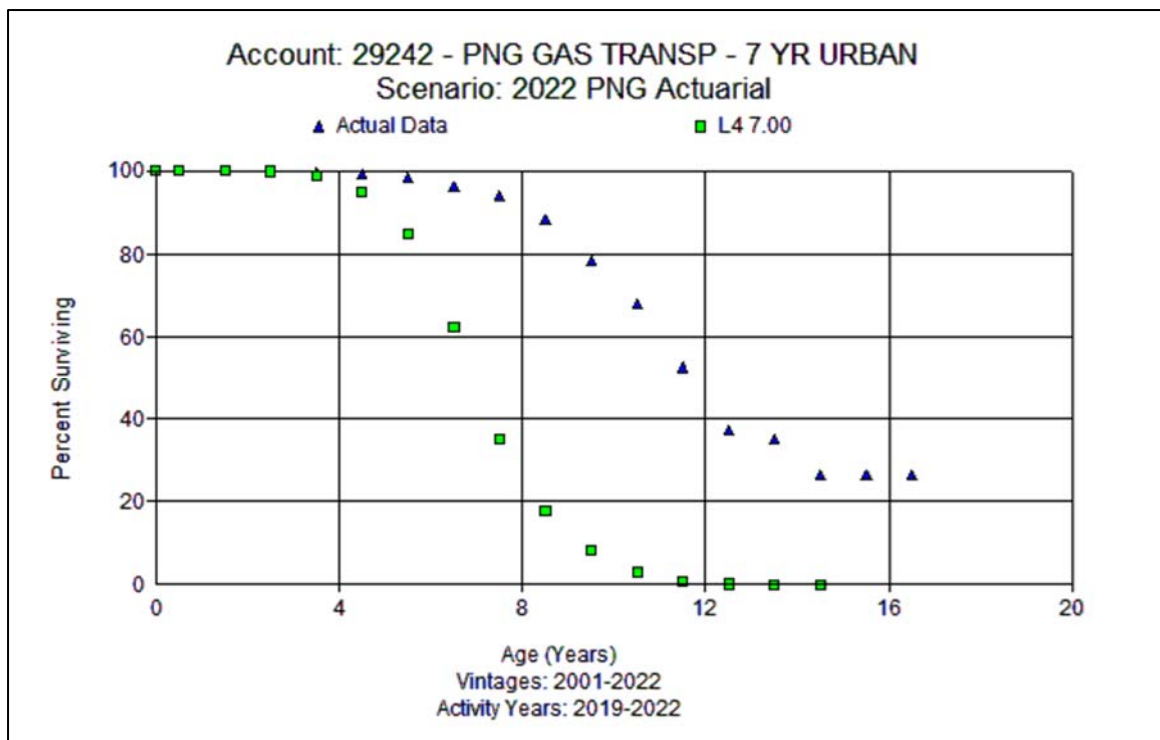


Account 29242 Urban Use 7-Year (7 L4)

This account consists of a few automobiles, vans, and trucks used in general company operations. There is approximately \$68.4 million in this combined account which includes NC, SC, and TN direct property as well as 2 State and 3 State. The approved life for this account is 7 SQ for all entities.

Discussions with Company personnel indicated these urban vehicles have a smaller footprint to drive and would incur fewer miles per year. They believe replacement patterns will move back to normal and the life cycles are appropriate in the long term.

The life analysis does not indicate the life expected by the Company, but as explained previously the planned replacement schedule has been interrupted. Based on the analysis, Company plans and expectations, type and use of assets, the study recommends 7 L4. A graph of the observed life table and the proposed life and curve is shown below.

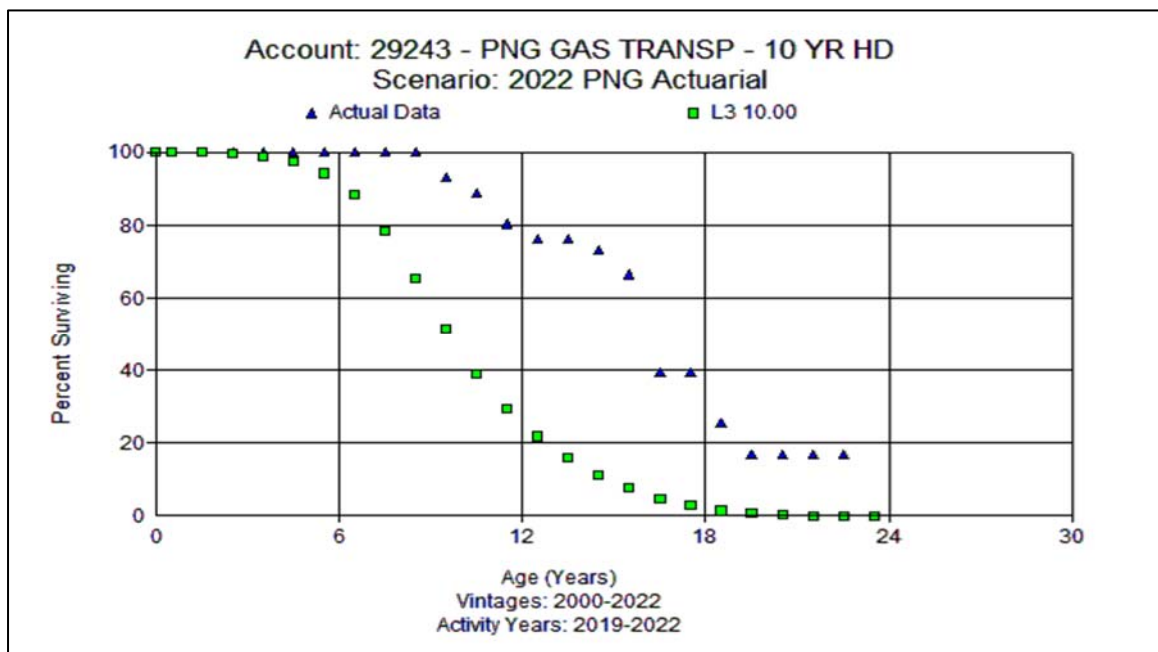


Account 29243 Heavy Duty Trucks 10-Year (10 L3)

This account consists of heavy duty trucks used in performing various general company operations. There is approximately \$29.4 million in this combined account which includes which includes NC, SC, and TN direct property as well as 2 State and 3 State. The approved life is 10 SQ for all entities.

Discussions with Company personnel indicated these heavy duty trucks do not get as many miles as the smaller vehicles. They come back to the office each night. They are more costly and are diesels (or natural gas). They also would stay at a single job site for much longer. In 2022, they ordered 76 Super Dutys and there were 32 vehicles that were cancelled. The fleet has grown over the last couple years which temporarily would extend the life a little due to the reaction to COVID rules. They believe current life cycles are appropriate in the long term.

The life analysis does not indicate the life expected by the Company, but as explained previously the planned replacement schedule has been interrupted. Based on the analysis, Company plans and expectations, type and use of assets, the study recommends 10 L3. A graph of the observed life table and the proposed life and curve is shown below.

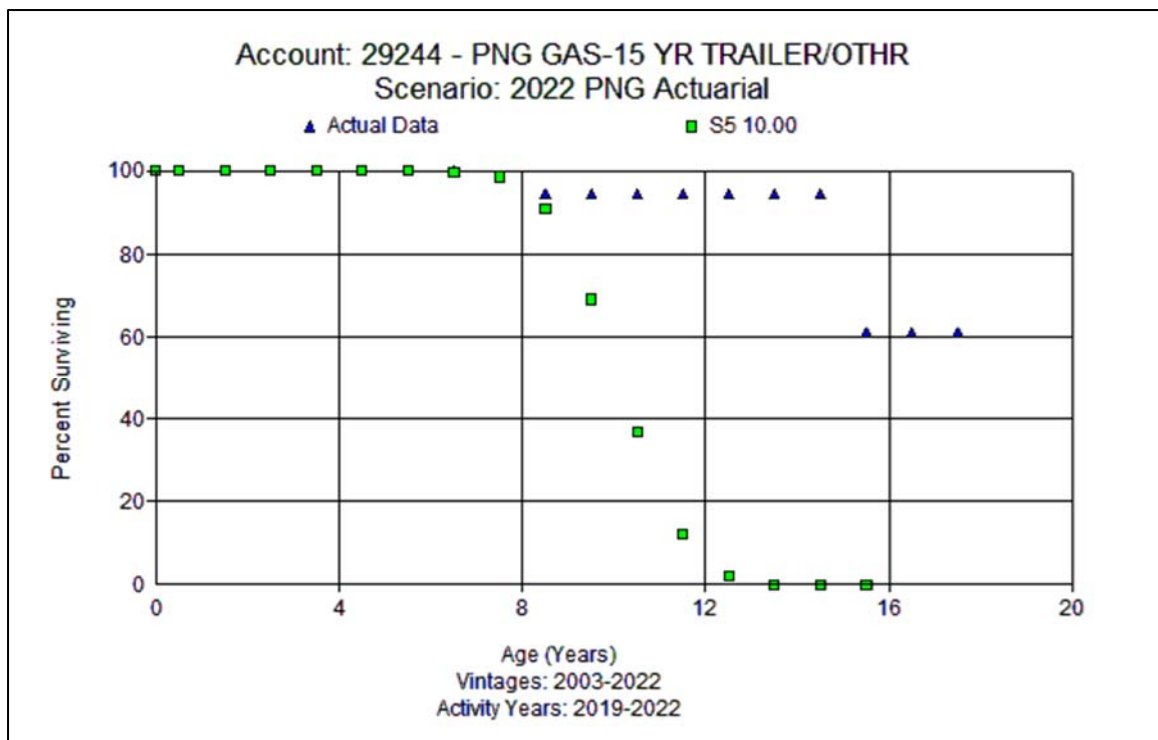


Account 29244 Trailers and Other 15-Year (10 S5)

This account contains trailers and other miscellaneous equipment with longer life expectations. The current balance is \$2.4 million for this combined account which includes NC, SC, and TN direct property as well as 2 State and 3 State. The approved life for this account is 15 SQ for all entities.

Discussions with Company personnel indicated that the life of trailers, the primary asset in the account, is currently too long. The trailers get wear and tear and are behind the heavy vehicles with a lot of weight on them. They are moving in the direction of replacing at 10 years for safety reasons.

The life analysis does not indicate the life expected by the Company, but as explained previously the planned replacement schedule has been interrupted. Based on the analysis, Company plans and expectations, type and use of assets, the study recommends 10 S5. A graph of the observed life table and the proposed life and curve is shown below.

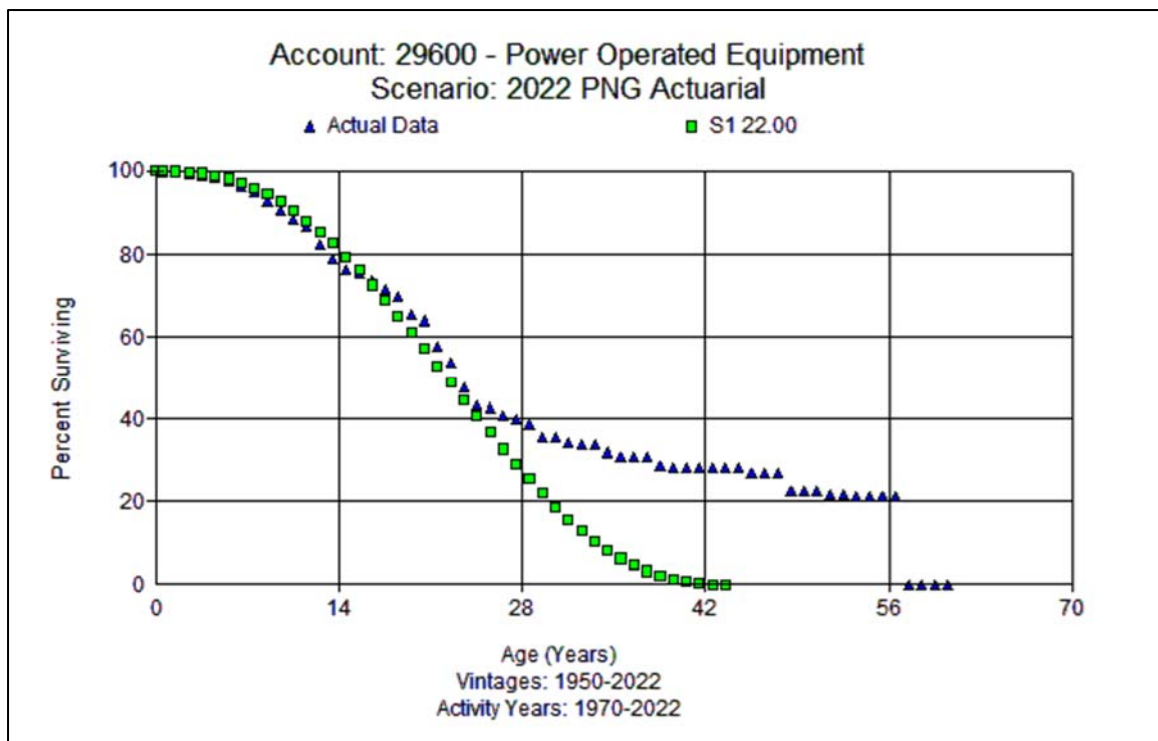


Account 29600 Power Operated Equipment (22 S1)

This account consists of backhoe loader, 12-volt pump, rock drill, paving breakers, and other power operated equipment that cannot be licensed on roadways. There is approximately \$16.6 million in this combined account which includes NC, SC, and TN direct as well as 2 State. The approved lives for this account are 22 S1 for NC, SC, 2 State and 28 S0 for TN.

Discussions with Company personnel indicated they are generally on a 10 year schedule, so they would expect a shorter life than either existing 22 or 28 year lives. The pandemic and supply chain did have some impact, though not as quantifiable as vehicles. Moving the life longer does not make sense operationally.

The analysis tracks well with a 22 S1 until around 40% surviving where it pushes way past what the Company believes is operationally reasonable. Based on type of assets, analysis indications, and Company input, this study recommends 22 S1. A graph of the observed life table and the proposed life and curve is shown below.



General Plant Amortized

The following accounts reflect accounts that follow vintage group amortization accounting. As a result they are reviewed with Company personnel to make sure the amortization life remains appropriate, but no analysis is performed, and no graph will be provided. The retirement of PTC created numerous accounts that were impacted by 2023 and 2024 retirements, which are considered proforma in the study and reduce the balance for rate calculation purposes. The 3 State accrual has a PTC proforma tab, which provides the details of amounts and accounts where retirements occurred. There are other accounts in the various accruals that have assets to be retired because their age is greater than the recommended service life. Please refer to Appendix A for those detailed calculations.

Account 29001 Leasehold Improvements (14 SQ)

This account has a balance of \$8.6 million, which includes \$116,703.14 related to SC and \$39,914.01 related to the Gas Control War Room that is part of 3 State, both of which will remain. However, the remaining balance is related to PTC and is retired as part of the study proforma. Remaining assets are leasehold improvements that are tied to the lease and renewal options of the property. Currently, 21 SQ is the approved life.

Discussions with Company personnel indicated the majority of the investment is related to PTC, which is a proforma retirement in this study on 3 State books. There is not enough information to extend the leaseholds for the remaining assets at this time, so this study reflects a 14 SQ. Due to vintage amortization, no analysis was performed, and no graph is provided.

Account 29100 Office Furniture & Equipment (20 SQ)

This account consists of tables, safes, office equipment, floor covering, miscellaneous equipment, filing, storage cabinets, drafting room equipment,

cubical workstation, bookcases, and shelves. There is approximately \$23.7 million in equipment in this combined account which includes NC, SC, and TN direct property as well as 2 State and 3 State. The approved life for all entities is a 20 SQ and is retained. Due to vintage amortization, no analysis was performed, and no graph is provided.

Account 29101 Electronic Data Processing (5 SQ)

There is approximately \$2.9 million in this account but only \$1.5 million remains after the PTC proforma retirements. The approved life is 5 SQ for 3 State. Company personnel confirmed the approved life remains appropriate, and it is retained in the study and would apply to all entities going forward. Due to vintage amortization, no analysis was performed, and no graph is provided.

Account 29102 PC Equipment (5 SQ)

This account consists of personal computer equipment. There is approximately \$12.5 million in this account. The approved life is 5 SQ for NC, SC, and TN direct property as well as 3 State. No changes were noted by Company personnel, so the approved 5 SQ is retained in the study and would apply to all entities going forward. Due to vintage amortization, no analysis was performed, and no graph is provided.

Account 29103 Customer Information Systems (30 SQ)

This account consists of software associated with the customer information system. There is approximately \$17.7 million in this account. It is considered fully depreciated and will be retired. It is therefore excluded from the rate calculations.

Account 29105 SaaS – 3-Year Contract (3 SQ)

This account consists of software as a service under a three year contract. There is approximately \$208 thousand in this account as part of 3 State and is

considered fully retired as part of the 2023 proforma retirements associated with PTC. It is excluded from the rate calculations.

Account 29300 Stores Equipment (20 SQ)

This account consists of stores equipment. There is approximately \$10 thousand in this account. The current investment is related to NC and SC direct property with an approved life of 20 SQ. No changes were noted by Company personnel. Should assets be recorded into any of the other entities, the same 20 SQ is appropriate and is the recommendation in this study. Due to vintage amortization, no analysis was performed, and no graph is provided.

Account 29400 Tools, Shop & Garage Equipment (20 SQ)

This account consists of vacuum excavation machine, tapping machines, electro fusion unit, pipe horn & pipe horn valve locators, mustang squeezer, roots transfer prover, air tools, various pipe squeezers, and other miscellaneous tools and equipment used in shop and garages to support operations. There is approximately \$30.0 million in this combined account which includes NC, SC, and TN direct property as well as 2 State and 3 State. The approved life for all entities is 20 SQ. Company personnel did not note any changes, so the study recommends retention of the approved 20 SQ to be applied to all entities going forward. Due to vintage amortization, no analysis was performed, and no graph is provided.

Account 29500 Laboratory Equipment (20 SQ)

This account consists of laboratory equipment. There is approximately \$1.5 million in this combined account which includes NC, SC, and TN direct property, as well as 2 State. The approved curve is the 20 SQ. Company personnel did not note any changes, so the study recommends retention of the approved 20 SQ to

be applied to all entities going forward. Due to vintage amortization, no analysis was performed, and no graph is provided.

Account 29700 Communication Equipment (15 SQ)

This account consists of a variety of phone, SCADA, communication instruments, vehicle communication area network devices, and other miscellaneous communication equipment used in general utility service. There is \$47.6 million in this combined account which includes NC, SC, and TN direct property as well as 2 State and 3 State. The approved lives are 18 SQ for NC, SC, 2 State, 3 State and 15 SQ for TN. Company personnel provided a detailed listing of existing assets and after review, it was determined that most of these assets are subject to technological changes and support issues beyond 15 years. As a result, this study recommends a 15 SQ for all entities going forward. Due to vintage amortization, no analysis was performed, and no graph is provided.

Account 29800 Miscellaneous Equipment (20 SQ)

This account consists of miscellaneous equipment used in general utility service. There is approximately \$5.5 million in this combined account which includes NC, SC, and TN direct property as well as 2 State and 3 State. The existing life parameter is 20 SQ for all entities and was confirmed to be retained in this study. Due to vintage amortization, no analysis was performed, and no graph is provided.

Net Salvage Analysis

When a capital asset is retired, physically removed from service, and finally disposed of, terminal retirement is said to have occurred. The residual value of a terminal retirement is called gross salvage. Net salvage is the difference between the gross salvage (what the asset was sold for) and the removal cost (cost to remove and dispose of the asset). Salvage and removal cost percentages are calculated by dividing the current cost of salvage or removal by the original installed cost of the asset. Some plant assets can experience significant negative removal cost percentages due to the timing of the original addition versus the retirement. For example, a Distribution asset in FERC Account 376, Mains, with a current installed cost of \$500 (2022) would have had an installed cost of \$15.67³ in 1954. A removal cost of \$50 for the asset calculated (incorrectly) on current installed cost would only have a negative 10 percent removal cost (\$50/\$500). However, a correct removal cost calculation would show a negative 319 percent removal cost for that asset (\$50/\$15.68). Inflation from the time of installation of the asset until the time of its removal must be considered in the calculation of the removal cost percentage because the depreciation rate, which includes the removal cost percentage, will be applied to the original installed cost of assets.

The net salvage analysis uses the history of the individual accounts to estimate the future net salvage that PNG can expect in its operations. As a result, the analysis not only looks at the historical experience of PNG, but also considers recent and expected changes in operations that could reasonably lead to different future expectations than were experienced in the past. Recent experience is more heavily weighted in making net salvage recommendations than older experience.

Net Salvage Characteristics

For each account, data for retirements, gross salvage, and cost of removal is derived from 2003-2022 activity on a system basis. Limiting the historical

³ Using the Handy-Whitman Bulletin No. 198, G-2, line 44, \$15.68 = \$500 x 39/1244.

analysis to 20 years provides a broad view of activity and trends. Moving averages, which help remove timing differences between retirement and salvage and removal cost, were analyzed over periods varying from one to 10 years. NC, SC, 2 State and 3 State have the same existing net salvage parameters, but TN had separate net salvage parameters in the past.

ACCOUNT SPECIFIC NET SALVAGE RESULTS

Storage Plant

Account 26001 Rights of Way (0% NS)

This account includes any salvage and removal cost related to easements, legal fees, and recording costs of rights of way used in connection with the storage plant operations. Generally, little or no removal cost is incurred, and no salvage is received at the retirement of rights of way. Therefore, this study recommends a zero percent net salvage factor for this account for all entities.

Account 26100 Structures and Improvements (-15% NS)

This account consists of structures, gates, fences, paving, security, and plant control systems related to LNG storage plant. The authorized net salvage for this account is negative 10 percent for 2 State and negative 5 percent for TN. There have been limited retirements but when they occur, cost of removal exceeds salvage. The most recent moving average for 5 and 10-year is negative 23 percent and negative 30 percent. Based on the analysis and judgment, this study recommends a negative 15 percent net salvage for all entities.

Account 26200 Gas Holders (-15% NS)

This account consists of gas holders for LNG storage. The authorized net salvage for this account is negative 10 percent for 2 State and negative 5 percent for TN. The most recent 5 and 10-year moving average is negative 57 percent and negative 56 percent. There has been some activity and indications suggest moving to a more negative net salvage is reasonable going forward. Future expectations are that cost of removal will exceed salvage at time of final removal. This study recommends a negative 15 percent for all entities.

Account 26300 Purification Equipment (-10% NS)

This account consists of purification equipment in the LNG storage function. The authorized net salvage is negative 5 percent for 2 State and TN. The first recorded activity in the analysis was 2014. Current activity 2020-2022 indicates the most recent 5 and 10-year moving average is negative 20 percent and negative 23 percent. Future expectations are that cost of removal will exceed salvage at time of final retirement. This study recommends a negative 10 percent for all entities.

Account 26310 Liquefaction Equipment (-10% NS)

This account consists of liquefaction equipment in the LNG storage function. The authorized net salvage is negative 5 percent for both 2 State and TN. There has been only two years of recorded activity, which indicates cost of removal exceeds salvage when retirements were recorded. This is expected to continue at the time of retirements in the future. The most recent 5 and 10-year moving average is negative 21 percent and negative 34 percent, respectively. This study recommends negative 10 percent net salvage for all entities.

Account 26320 Vaporizing Equipment (-5% NS)

This account consists of vaporizing equipment for the LNG storage function. The authorized net salvage for this account is negative 5 percent for 2 State and TN. Recent activity indicates cost of removal exceeds any salvage. This is expected in the future. The most recent 5 and 10-year moving average is negative 0.64 percent and negative 16 percent, respectively. This study recommends negative 5 percent net salvage for all entities.

Account 26330 Compressor Equipment (-10% NS)

This account consists of compressor equipment related to LNG storage. The authorized net salvage for this account is negative 5 percent for 2 State and

TN. Recent activity indicates cost of removal exceeds salvage. This is expected in the future. The most recent 5 and 10-year moving average is negative 34 percent and negative 55 percent, respectively. This study recommends negative 10 percent net salvage for all entities.

Account 26340 M&R Equipment (-10% NS)

This account consists of measuring and regulating equipment in the LNG storage function. The authorized net salvage for this account is negative 5 percent for 2 State and TN. The recent retirement activity does not show any salvage or cost of removal. In 2014 the large retirement has a negative 25 percent net salvage, which is the 10-year moving average. Cost of removal is expected to exceed salvage in the future. This study recommends negative 10 percent net salvage for all entities.

Account 26350 Other Equipment (-5% NS)

This account includes any salvage and removal cost related to other equipment for LNG storage plant. The authorized net salvage for this account is zero percent for 2 State and negative 5 percent for TN. The recent retirement activity does not have any salvage but there is some cost of removal. Cost of removal is expected to exceed salvage in the future. The most recent 5 and 10-year moving average is negative 22 percent and negative 41 percent, respectively. This study recommends negative 5 percent net salvage for all entities.

Transmission Plant

Account 26520 Rights of Way (0% NS)

This account includes any salvage and removal cost related to easements, legal fees, and recording costs of land rights used in connection with transmission operations. Generally, little or no salvage and removal cost is incurred at

retirement of rights of way. Therefore, this study recommends retaining the approved zero percent net salvage factor for this account for all entities.

Account 26610 Compressor Station Structures & Improvements (-5% NS)

This account includes any salvage and removal cost related to compressor station structures and improvements used in connection with transmission operations. The approved net salvage for this account is negative 5 percent for NC. The account activity starts in 2015. There has been no salvage recorded and the overall 8-year moving average is a negative 8 percent. Based on the limited experience, but understanding the type of assets, and that cost of removal is expected to exceed any salvage, this study recommends a negative 5 percent net salvage factor for this account for all entities.

Account 26620 M&R Station Structures & Improvements (-5% NS)

This account includes any salvage and removal cost related to M&R station structures and improvements used in connection with transmission operations. The approved net salvage is negative 5 percent for NC and SC, and zero percent for TN. The account activity starts in 2015, there has been no salvage recorded, and the overall 8-year moving average is a negative 89 percent. Based on the limited experience, but understanding the type of assets, and that cost of removal is expected to exceed salvage, this study recommends a negative five percent net salvage factor for this account for all entities.

Account 26700 Mains & Cathodic Protection (-30% NS)

This account consists of any salvage and removal cost related to transmission mains of all sizes, rectifiers and ground beds used for cathodic protection, valves, and leak clamps associated with pipe. The authorized net salvage is negative 20 percent for NC and SC, and negative 5 percent for TN. The current study analysis overall indications are that net salvage is moving more

negative. The most recent five-year moving average is negative 65 percent, and the 10-year is negative 70 percent. This study recommends moving toward the indications but limiting the change to a negative 30 percent net salvage for all entities.

Account 26800 Compressor Station Equipment (-10% NS)

This account consists of any salvage and removal cost related to compressor stations. The authorized net salvage is zero percent for NC and SC. Recent activity suggests cost of removal will exceed any salvage at retirement. The most recent 5 and 10-year moving average is negative 32 percent and negative 24 percent, respectively. As a result of the analysis and indications of negative net salvage, and expectations, this study recommends a negative 10 percent net salvage for this account for all entities.

Account 26900 M&R Station Equipment (-10% NS)

This account consists of any salvage and removal cost related to M&R Equipment related to transmission. The authorized net salvage is negative five percent for NC and SC, and zero percent for TN. The analysis has limited activity in the early years of the analysis. However, beginning in 2018 and through 2022 there are retirements and cost of removal recorded. Both the 5 and 10-year moving average is negative 24 percent. Considering the existing, current indications, and expectations that cost of removal is expected to exceed any salvage, this study recommends moving toward the indications with a negative 10 percent net salvage for all entities.

Distribution Plant

Account 27401 Rights of Way (0% NS)

This account includes any salvage and removal cost related to land rights used in connection with distribution operations. Generally, few retirements and

little or no removal cost or salvage is recorded related to land rights. Therefore, this study recommends retaining the approved zero percent net salvage factor for this account for all entities.

Account 27500 Structures and Improvements (-5% NS)

This account consists of any salvage and removal cost related to structures and associated assets on the distribution system. The authorized net salvage is negative 5 percent for NC and TN, and zero percent for SC. There has been limited activity over the 20-year analysis, with a large amount of cost of removal in 2021. It appears there might be timing differences on related retirements, which results in unreasonable indications. More recent activity indicates cost of removal will exceed salvage at retirement, so this study recommends moving to negative five percent net salvage for all entities.

Account 27600 Mains (-30% NS)

This account consists of any salvage and removal cost related to steel and plastic mains. The authorized net salvage is negative 20 percent for NC and SC, and negative 10 percent for TN. The current analysis indicates more negative net salvage. The most recent 5 and 10-year moving average is negative 53 percent and negative 48 percent, respectively. Based on the more recent trend in the analysis, this study recommendation is to move toward recent experience but limit the change to a negative 30 percent for net salvage for all entities.

Account 27800 M&R Station Equipment (-15% NS)

This account includes any salvage and removal cost related primarily to valves, regulators, and heaters. The authorized net salvage is negative 10 percent for NC, SC, and TN. The current analysis has some very large negative net salvage indications. However, some are likely due to timing differences in recording retirements. The most recent 5 and 10-year moving average is negative

53 percent and negative 56 percent, respectively. Based on the expectation and indication that cost of removal will exceed salvage at retirement, this study conservatively recommends a negative 15 percent net salvage for all entities.

Account 27900 M&R City Gate Equipment (-15% NS)

This account includes any salvage and removal cost related to valves, regulators, and heaters used in regulating gas at city gate entry points to the distribution system. The approved net salvage is negative 10 percent across all three entities. The current analysis indicates a more negative net salvage than in the past. The most recent 5 and 10-year moving average is negative 70 percent and negative 59 percent. There is likely some timing differences impacting the results. Considering the existing and expectations, this study recommends limiting the change to negative 15 percent for all entities.

Account 28000 Services (-90% NS)

This account includes any salvage and removal cost related to service lines on the distribution system. Service lines are the pipes and accessories leading from the main to the customers' premises. The authorized net salvage rate is negative 80 percent for NC and SC, and negative 100 percent for TN. The current analysis indicates more negative net salvage across most of the moving averages. There was no salvage or cost of removal recorded in 2018 and 2019. The most recent 5 and 10-year moving average is negative 166 percent and negative 135 percent, respectively. Based on the existing for the three entities and considering the indications, this study recommends a negative 90 percent for all entities.

Account 28100 Meters Commercial & Industrial (0% NS)

This account includes any salvage and removal cost related to meters used in measuring gas to commercial and industrial customers. The authorized net salvage rate is zero percent for all entities. The analysis was performed on the

total 28100 account, but the expectations are the same for the segregated accounts. Some salvage and cost of removal has been recorded but the most recent 5 and 10-year moving average is close to zero. There is no basis to change, so zero percent net salvage is retained for all entities.

Account 28101 Meters Residential (0% NS)

This account includes any salvage and removal cost related to meters used in measuring gas to residential customers. The authorized net salvage rate is zero percent for all entities. The analysis was performed on the total 28100 account, but the expectations are the same for segregated accounts. Some salvage and cost of removal has been recorded but the most recent 5 and 10-year moving average is close to zero. There is no basis to change, so zero percent net salvage is retained for all entities.

Account 28104 Meter Accessories (0% NS)

The majority of the assets in this account were transferred to 28100 and 28105. However, some assets remain on 2 State books for this account. This account includes any salvage and removal cost related to meter accessories used in measuring gas to customers. The existing net salvage is zero percent and is retained for all entities.

Account 28105 Meter Accessories & ERTs (0% NS)

This account includes any salvage and removal cost related to meter accessories and ERTs used in measuring gas to customers. The existing net salvage is zero percent for all entities. Some cost of removal has been recorded in the past, but nothing since 2017. Overall, cost of removal has exceeded salvage but the current year moving average is near zero. This study recommends retention of the existing zero percent net salvage for all entities.

Account 28106 Honeywell AMI Meters (0% NS)

This account includes any salvage and removal cost related to meters for the new Honeywell AMI meters being installed on the system. It is a new account, so no activity has been recorded. At this time, a zero percent net salvage is proposed.

Account 28200 Meter Installations (0% NS)

This account includes any salvage and removal cost related to meter installations. The authorized net salvage rate is zero percent for all three entities. The study has linked Accounts 282-284 together for life and net salvage. There is no expectation that material amounts of salvage or cost of removal will be recorded, so zero percent net salvage is recommended for all entities.

Account 28300 House Regulators (0% NS)

This account includes any salvage and removal cost related to house regulators. The authorized net salvage percent is zero percent for all entities. The study has linked Accounts 282-284 together for life and net salvage. There is no expectation that material amounts of salvage or cost of removal will be recorded, so zero percent net salvage is recommended for all entities.

Account 28400 House Regulator Installations (0% NS)

This account includes any salvage and removal cost related to house regulator installations. The authorized net salvage percent is zero percent for all entities. The study has linked Accounts 282-284 together for life and net salvage. There is no expectation that material amounts of salvage or cost of removal will be recorded, so zero percent net salvage is recommended for all entities.

Account 28500 Industrial M&R Equipment (-10% NS)

This account includes the salvage and removal costs related to measuring

and regulating equipment used in industrial stations. The authorized net salvage percent is negative five percent. The current analysis indicates more negative net salvage. The most recent 5 and 10-year moving average is negative 26 percent and negative 28 percent, respectively. This study recommends a move toward the indications but limiting it to negative 10 percent net salvage for all entities.

Account 28600 Property on Customer Premises (0% NS)

This account includes the salvage and removal costs related to assets owned and maintained by PNG on customer premises. The currently authorized net salvage percent is zero percent and is retained for all entities.

Account 28700 Other Equipment (0% NS)

This account includes the salvage and removal costs related to miscellaneous distribution equipment used in distribution operations. Consistent with experience, Company expectations are that no salvage or cost of removal will be recorded at time of retirement, so this study recommends retention of a zero percent net salvage rate at this time for all three entities.

General Plant - Depreciated

Account 29000 Structures and Improvements (-5% NS)

This account includes any salvage and removal cost related to structures and improvements used for general utility operations. The authorized net salvage rate for this account is negative five percent for all entities. Based on experience some salvage has been recorded but it is related to the sale of buildings, which is not expected to reoccur. Cost of removal is expected to exceed any salvage on routine retirements. Current 5 and 10-year moving average is a negative 6 percent for both. PTC activity may have some impact on the current analysis, but in the future salvage is not likely to exceed cost of removal. This study recommends retention of the existing negative 5 percent net salvage this time.

Account 29002 CNG Station Equipment (-2% NS)

This account consists of station structures and improvements, storage cylinders, compressors, dryers, priority panels, and dispensers used at public CNG refueling stations. The authorized net salvage rate for this account is negative two percent. This is a relatively new account, there has been one retirement in 2021 with cost of removal. However, due to the limited experience, the study recommends retention of the existing negative 2 percent net salvage for all entities.

Transportation and Power Operated Equipment

Account 29210 Passenger Cars & Station Wagons (25% NS)

This account consists of various cars and station wagons used in performing various general company operations. The approved net salvage is 17 percent for NC and SC and 20% for TN. There has been an ongoing process of classifying vehicles into more discrete groups that better match with life and salvage expectations. Previously, all transportation equipment had been recorded to 29200, so much of the historical retirement activity is not available at this detailed level. This study segregates the assets based on type, use, and expected life, which comes from discussions with Company SMEs and recent experience. This study recommends positive 25 percent net salvage for all entities.

Account 29240 3-Year Meter Reading Trucks (25% NS)

This account consists of salvage and removal costs associated with light duty trucks used for meter reading. The approved net salvage is 30 percent. Previously, all transportation equipment had been recorded to 29200, so much of the historical retirement activity is not available at this detailed level. This study segregates the assets based on type, use, and expected life, which comes from discussions with Company SMEs and recent experience. This study recommends positive 25 percent net salvage for all entities.

Account 29241 5-Year Rural 1 ton or less (25% NS)

This account consists of salvage and removal costs associated with light trucks used in rural areas. The approved net salvage is 23 percent. Previously, all transportation equipment had been recorded to 29200, so much of the historical retirement activity is not available at this detailed level. This study segregates the assets based on type, use, and expected life, which comes from discussions with Company SMEs and recent experience. This study recommends positive 25 percent net salvage for all entities.

Account 29242 7-Year Urban 1 ton or less (25% NS)

This account consists of salvage and removal costs associated with trucks, used in urban areas. The approved net salvage is 30 percent for NC and SC and 25% for TN. Previously, all transportation equipment had been recorded to 29200, so much of the historical retirement activity is not available at this detailed level. This study segregates the assets based on type, use, and expected life, which comes from discussions with Company SMEs and recent experience. This study recommends positive 25 percent net salvage for all entities.

Account 29243 10-Year Heavy Duty Trucks (25% NS)

This account consists of salvage and removal costs associated with heavy duty work trucks. The approved net salvage is 25 percent. Previously, all transportation equipment had been recorded to 29200, so much of the historical retirement activity is not available at this detailed level. This study segregates the assets based on type, use, and expected life, which comes from discussions with Company SMEs and recent experience. This study recommends positive 25 percent net salvage for all entities.

Account 29244 15-Year Trailers & Other (25% NS)

This account consists of salvage and removal costs associated with trailers

and other transportation equipment. The approved net salvage is 25 percent. Previously, all transportation equipment had been recorded to 29200, so much of the historical retirement activity is not available at this detailed level. This study segregates the assets based on type, use, and expected life, which comes from discussions with Company SMEs and recent experience. This study recommends positive 25 percent net salvage for all entities.

Account 29600 Power Operated Equipment (13% NS)

This account includes any salvage and removal cost related to backhoes, forklifts, trenchers, and other power operated equipment that cannot be licensed on roadways. The authorized net salvage rate is 17 percent for NC and SC, and 12 percent for TN. The most recent 5 and 10-year moving average is positive 7 percent and positive 13 percent, respectively. Based on the current analysis indications and discussions with Company personnel, this study recommends a positive 13 percent net salvage for all entities.

General Plant Amortized

The existing salvage across the entities is zero percent. These accounts typically do not experience salvage or cost of removal, and neither is expected in the future. However, we will discuss each account briefly to explain specific activity and our study recommendation.

Account 29001 Leasehold Improvements (-5% NS)

Some cost of removal was recorded in 2021 and 2022. Activity related to the retirement of PTC will not reoccur. For leasehold improvements, there is an expectation that you might be required to remove assets at the end of the lease and that cost of removal will exceed any salvage. Based on lease requirements, this study recommends a negative 5 percent net salvage for all entities.

Account 29100 Office Furniture and Equipment (0% NS)

Some salvage and cost of removal has been recorded in 2021 and 2022. Activity related to the retirement of PTC will not reoccur. Based on the future expectations of the account, this study recommends a zero net salvage for all entities.

Account 29101 Electronic Data Processing (0% NS)

This account includes any salvage and removal cost related to computer hardware and software used for general utility operations. No salvage or cost of removal has been recorded and none is expected. This study recommends zero percent net salvage rate for all entities.

Account 29102 PC Equipment (0% NS)

This account includes any salvage and removal cost related to personal computer equipment used for general utility operations. Some salvage was recorded in 2016, and there were two years (2012 and 2021) where cost of removal was recorded. Overall, those do not result in measurable net salvage. Based on the expectations that there will be little-to-no salvage or cost of removal in the future, this study recommends zero percent net salvage rate for all entities.

Account 29300 Stores Equipment (0% NS)

This account consists of shelving, bins, and other miscellaneous stores equipment. There was salvage recorded in 2013, but nothing since. No salvage or cost of removal is expected, this study recommends zero percent net salvage rate for all entities.

Account 29400 Tools, Shop & Garage Equipment (0% NS)

This account consists of tools, shop, and garage equipment. Some salvage and cost of removal has been recorded. However, these do not result in

measurable net salvage. This study recommends zero percent net salvage rate for all entities.

Account 29500 Laboratory Equipment (0% NS)

This account consists of laboratory equipment. Some cost of removal was recorded in 2015 but none since. No salvage or cost of removal is expected in the future at time of retirement. This study recommends zero percent net salvage rate for all entities.

Account 29700 Communication Equipment (0% NS)

This account consists of communications equipment. No salvage or cost of removal had been recorded from 2003-2020. Cost of removal was recorded in 2021. However, the overall result is not significant and not even a negative 1 percent. Based on the expectations that there will be little to no salvage or cost of removal in the future, this study recommends zero percent net salvage rate for all entities.

Account 29800 Miscellaneous Equipment (0% NS)

This account consists of miscellaneous equipment. There has been some activity in this account from 2019-2022. The most recent 5 and 10-year moving average is a negative 5 percent. However, this level of activity is not expected to occur in the future. This study recommends zero percent net salvage rate for all entities.

APPENDIX A
Computation of Depreciation Accrual Rate

**PIEDMONT NATURAL GAS
NORTH CAROLINA DIRECT PROPERTIES
COMPUTATION OF ANNUAL DEPRECIATION ACCRUAL AND RATES
DEPRECIATION STUDY AT DECEMBER 31, 2022**

Account	Description	Original Cost at 12/31/22	Allocated Book Reserve at 12/31/22	Net Salvage %	Net Salvage Amount	Unrecovered Investment	Remaining Life	Annual Accrual Amount	Annual Accrual %
TRANSMISSION PLANT									
26520	Land Rights	\$ 140,950,149	\$ 19,278,345	0%	0	121,671,803	68.10	\$ 1,786,780	1.27%
26610	Structures & Improvements - Compressor Stations	22,726,694	3,531,008	-5%	(1,136,335)	20,332,021	41.95	484,665	2.13%
26620	Structures & Improvements - M&R Stations	13,607,383	2,387,934	-5%	(680,369)	11,899,818	40.91	290,890	2.14%
26700	Mains & Cathodic Protection	2,986,129,494	407,320,127	-30%	(895,838,848)	3,474,648,215	60.24	57,682,584	1.93%
26800	Compressor Station Equipment	170,814,986	55,456,624	-10%	(17,081,499)	132,439,861	23.76	5,573,774	3.26%
26900	M&R Station Equipment	321,896,245	33,003,496	-10%	(32,189,625)	321,082,374	44.93	7,146,333	2.22%
Total Transmission		3,656,124,950	520,977,534		(946,926,675)	4,082,074,091		72,965,026	2.00%
DISTRIBUTION PLANT									
27401	Land Rights	16,790,245	1,719,734	0%	0.00	15,070,511	68.33	220,558	1.31%
27500	Structures & Improvements	641,853	403,476	-5%	(32,092.67)	270,470	23.34	11,589	1.81%
27600	Mains	1,704,374,068	501,705,064	-30%	(511,312,220.46)	1,713,981,225	54.63	31,373,762	1.84%
27800	M&R Station Equipment	102,155,273	10,599,793	-15%	(15,323,290.97)	106,878,771	44.24	2,415,904	2.36%
27900	M&R City Gate Equipment	160,815,215	18,881,261	-15%	(24,122,282.32)	166,056,237	46.48	3,572,706	2.22%
28000	Services	937,309,565	434,492,862	-90%	(843,578,608.73)	1,346,395,312	47.29	28,471,000	3.04%
28100	Meters Commercial & Industrial	41,358,207	13,353,942	0%	0.00	28,004,264	23.02	1,216,686	2.94%
28101	Meters Residential	56,228,719	31,156,826	0%	0.00	25,071,893	12.77	1,962,952	3.49%
28105	Meters - Meter Accessories & ERTs	33,879,174	16,825,131	0%	0.00	17,054,043	14.22	1,199,285	3.54%
28200	Meter Installations	71,341,374	10,086,669	0%	0.00	61,254,705	27.19	2,252,469	3.16%
28300	House Regulators	13,192,898	4,196,837	0%	0.00	8,996,061	22.44	400,935	3.04%
28400	House Regulator Installations	726,793	60,127	0%	0.00	666,667	28.77	23,170	3.19%
28500	Industrial M&R Station Equipment	53,721,435	18,453,133	-10%	(5,372,143.45)	40,640,445	40.07	1,014,202	1.89%
28600	Property on Customer Premises	743,304	699,804	0%	0.00	43,500	6.31	6,895	0.93%
28700	Other Equipment	43,672	27,705	0%	0.00	15,967	11.08	1,441	3.30%
Total Distribution		3,193,321,796	1,062,662,363		(1,399,740,638.61)	3,530,400,072		74,143,552	2.32%
GENERAL PLANT DEPRECIATED									
29000	Structures & Improvements	143,518,152	24,908,185	-5%	(7,175,908)	125,785,875	42.82	2,937,870	2.05%
29002	CNG Station Equipment	23,414,053	6,983,803	-2%	(468,281)	16,898,531	18.64	906,352	3.87%
29210	Passenger Cars & Station Wagons	2,369,038	1,713,584	25%	592,260	63,195	0.85	74,356	3.14%
29240	Transportation Equipment - 3 Year Meter Reading	316,865	225,000	25%	79,216	12,648	0.16	79,216	25.00% *
29241	Transportation - 5 Year Rural Use	15,725,619	10,164,595	25%	3,931,405	1,629,619	1.07	1,518,991	9.66%
29242	Transportation - 7 Year Urban Use	47,993,100	24,721,012	25%	11,998,275	11,273,814	2.80	4,029,241	8.40%
29243	Transportation - 10 Year Heavy Duty	21,225,632	7,351,649	25%	5,306,408	8,567,575	5.98	1,432,867	6.75%
29244	Transportation - 15 Year Trailers & Other	1,959,428	1,005,452	25%	489,857	464,119	3.95	117,477	6.00%
29600	Power Operated Equipment	12,462,565	5,673,596	13%	1,620,133	5,168,835	11.99	431,231	3.46%
Total General Depreciated		268,984,451	82,746,876		16,373,365	169,864,210		11,527,602	4.29%
Total Depreciated Plant		\$ 7,118,431,198	\$ 1,666,386,773		\$ (2,330,293,948)	\$ 7,782,338,373		\$ 158,636,181	2.23%

*Account is nearly fully depreciated. Future rate is the same as proposed (1-NS%)/ASL of group

**PIEDMONT NATURAL GAS
NORTH CAROLINA DIRECT PROPERTIES
COMPUTATION OF AMORTIZATION AMOUNT
FOR AMORTIZED GENERAL PROPERTY
DEPRECIATION STUDY AT DECEMBER 31, 2022**

Before Retirements

Amortize		Plant Balance at 12/31/22	Allocated Book Reserve at 12/31/22	Theoretical Reserve at 12/31/22	Reserve Deficit/Surplus	Remaining Life	Amortize Reserve Deficit/(Surplus)	Assets with Age > Average Service Life	Annual Amortization %
Account	Description								
29100	Office Furniture & Equipment	\$ 11,411,644	\$ 3,676,815	\$ 3,676,815	\$ -			\$ -	5.00%
29102	PC Equipment	149,597	59,146	59,146	-			-	20.00%
29300	Stores Equipment	3,385	3,131	3,131	-			-	5.00%
29400	Tools, Shop & Garage Equipment	19,486,292	5,616,873	5,616,873	-			-	5.00%
29500	Laboratory Equipment	797,185	543,247	543,247	-			-	5.00%
29700	Communications Equipment	8,881,322	4,968,450	4,968,450	-			1,832,444	6.67%
29800	Miscellaneous Equipment	3,439,097	1,402,436	1,402,436	-			-	5.00%
Total General Amortized		44,168,520	16,270,098	16,270,098	-		-	1,832,444	

After Retirements

Amortize		Plant Balance at 12/31/22	Allocated Book Reserve at 12/31/22	Annual (1) Amortization Amount	Annual (2) Amortization Rate
Account	Description				
29100	Office Furniture & Equipment	11,411,644	3,676,815	570,582	5.00%
29102	PC Equipment	149,597	59,146	29,919	20.00%
29300	Stores Equipment	3,385	3,131	169	5.00%
29400	Tools, Shop & Garage Equipment	19,486,292	5,616,873	974,315	5.00%
29500	Laboratory Equipment	797,185	543,247	39,859	5.00%
29700	Communications Equipment	7,048,877	3,136,006	469,925	6.67%
29800	Miscellaneous Equipment	3,439,097	1,402,436	171,955	5.00%
Total General Amortized		42,336,076	14,437,654	2,256,725	5.33%
Total General Depreciated & Amortized		311,320,527	97,184,530		
Total Depreciated & Amortized		\$ 7,160,767,274	\$ 1,680,824,427		

(1) Annual Amortization Amount is balance/life of asset group

(2) Rate is (1-Net Salvage %)/ASL of asset group.

**PIEDMONT NATURAL GAS
SOUTH CAROLINA DIRECT PROPERTIES
COMPUTATION OF ANNUAL DEPRECIATION ACCRUAL AND RATES
DEPRECIATION STUDY AT DECEMBER 31, 2022**

Account	Description	Original Cost at 12/31/22	Allocated Book Reserve at 12/31/22	Net Salvage %	Net Salvage Amount	Unrecovered Investment	Average Remaining Life	Annual Accrual Amount	Annual Accrual %
TRANSMISSION PLANT									
26520	Land Rights	\$ 10,546,643	\$ 1,927,098	0%	\$ -	\$ 8,619,545	65.08	\$ 132,439	1.26%
26620	Structures & Improvements - M&R Stations	918,450	126,380	-5%	(45,923)	837,992	43.31	19,347.1	2.11%
26700	Mains	108,190,648	21,011,324	-30%	(32,457,194)	119,636,517	57.63	2,075,808.7	1.92%
26800	Compressor Station Equipment	38,880,228	6,569,606	-30%	(11,664,068)	43,974,690	29.51	1,489,976.3	3.83%
26900	M&R Station Equipment	42,129,501	3,451,312	-10%	(4,212,950)	42,891,139	46.20	928,377.3	2.20%
Total Transmission		200,665,469	33,085,721		(48,380,135)	215,959,884		4,645,948.2	2.32%
DISTRIBUTION PLANT									
27401	Land Rights	2,242,778	424,910	0%	0	1,817,868	62.28	29,190.5	1.30%
27500	Structures & Improvements	794,118	109,984	-5%	(39,706)	723,840	44.09	16,415.7	2.07%
27600	Mains	276,772,170	108,329,766	-30%	(83,031,651)	251,474,055	49.67	5,063,231.8	1.83%
27800	M&R Station Equipment	22,454,277	1,962,064	-15%	(3,368,141)	23,860,354	44.73	533,382.2	2.38%
27900	M&R City Gate Equipment	7,887,070	1,548,668	-15%	(1,183,061)	7,521,463	43.20	174,098.5	2.21%
28000	Services	179,903,636	89,705,170	-90%	(161,913,272)	252,111,739	45.90	5,492,652.1	3.05%
28100	Meters - Commercial & Industrial	9,019,737	2,939,464	0%	0	6,080,273	22.66	268,307.6	2.97%
28101	Meters - Residential	11,637,196	6,936,221	0%	0	4,700,975	11.66	403,286.1	3.47%
28105	Meters - Meter Accessories & ERTs	7,519,258	3,277,615	0%	0	4,241,643	15.24	278,291.3	3.70%
28200	Meter Installations	12,354,332	1,901,261	0%	0	10,453,071	26.73	391,091.0	3.17%
28300	House Regulators	3,043,485	907,200	0%	0	2,136,285	22.73	94,004.0	3.09%
28400	House Regulator Installations	9,429	628	0%	0	8,801	29.15	301.9	3.20%
28500	Industrial M&R Station Equipment	10,876,158	3,603,699	0%	0	7,272,458	40.16	181,065.3	1.66%
Total Distribution		544,513,644	221,646,650		(249,535,831)	572,402,825		12,925,318.1	2.37%
GENERAL PLANT DEPRECIATED									
29000	Structures & Improvements	12,235,547	4,203,319	-5%	(611,777)	8,644,005	37.37	231,324.9	1.89%
29002	CNG Station Equipment	6,395,706	2,451,694	-2%	(127,914)	4,071,927	17.74	229,474.1	3.59%
29210	Passenger Cars and Wagons	507,259	347,769	25%	126,815	32,675	0.60	54,349.2	10.71%
29241	Transportation - 5 Year Urban	716,732	375,630	25%	179,183	161,919	2.06	78,696.1	10.98%
29242	Transportation - 7 Year Urban Use	8,360,525	4,622,790	25%	2,090,131	1,647,604	2.60	634,283.9	7.59%
29243	Transportation - 10 Year Heavy Duty	3,858,098	1,687,401	25%	964,525	1,206,172	5.50	219,434.4	5.69%
29244	Transportation - 15 Year Trailers & Other	184,169	95,384	25%	46,042	42,743	4.17	10,251.1	5.57%
29600	Power Operated Equipment	1,822,894	1,007,274	13%	236,976	578,644	11.21	51,619.9	2.83%
Total General Depreciated		34,080,930	14,791,261		2,903,981	16,385,689		1,509,433.7	4.43%
Total Depreciated Plant		\$ 779,260,043	\$ 269,523,631		\$ (295,011,986)	\$ 804,748,398		\$ 19,080,700	2.45%

**PIEDMONT NATURAL GAS
SOUTH CAROLINA DIRECT PROPERTIES
COMPUTATION OF AMORTIZATION AMOUNT
FOR AMORTIZED GENERAL PROPERTY
DEPRECIATION STUDY AT DECEMBER 31, 2022**

Amortize Before Retirements

Account	Description	Plant Balance at 12/31/22	Allocated Book Reserve at 12/31/22	Theoretical Reserve at 12/31/22	Reserve Deficit/Surplus	Reserve Amortization Period	Amortize Reserve Deficit/(Surplus)	Assets with Age > Average Service Life	Annual Amortization %
29001	Leasehold Improvements	\$ 116,703	\$ 117,522	\$ 117,522	\$ -	4	\$ -	\$ 85,632	6.79%
29100	Office Furniture & Equipment	912,721	348,506	348,506	0	4	-	-	5.00%
29102	PC Equipment	21,987	6,950	6,950	0	4	-	-	20.00%
29300	Stores Equipment	6,463	2,424	2,424	0	4	-	-	5.00%
29400	Tools, Shop & Garage Equipment	2,311,484	585,416	585,416	0	4	-	-	5.00%
29500	Laboratory Equipment	182,788	88,228	88,228	0	4	-	-	5.00%
29700	Communications Equipment	812,980	559,136	559,136	0	4	-	316,593	6.67%
29800	Miscellaneous Equipment	756,665	226,309	226,309	0	4	-	-	5.00%
Total General Amortized		5,121,792	1,934,491	1,934,491	-		-	402,225	

Amortize After Retirements

Account	Description	Plant Balance at 12/31/22	Allocated Book Reserve at 12/31/22	Annual (1) Amortization Amount	Annual (2) Amortization Rate
29001	Leasehold Improvements	31,071	31,889	2,219	6.79%
29100	Office Furniture & Equipment	912,721	348,506	45,636	5.00%
29102	PC Equipment	21,987	6,950	4,397	20.00%
29300	Stores Equipment	6,463	2,424	323	5.00%
29400	Tools, Shop & Garage Equipment	2,311,484	585,416	115,574	5.00%
29500	Laboratory Equipment	182,788	88,228	9,139	5.00%
29700	Communications Equipment	496,387	242,542	33,092	6.67%
29800	Miscellaneous Equipment	756,665	226,309	37,833	5.00%
Total General Amortized		4,719,567	1,532,265	248,215	5.26%
Total General Depreciated & Amortized		38,800,497	16,323,526		
Total Depreciated & Amortized		\$ 783,979,610	\$ 271,055,896		

(1) Annual Amortization Amount is balance/life of asset group

(2) Rate is (1-Net Salvage %)/ASL of asset group.

PIEDMONT NATURAL GAS - TENNESSEE
COMPUTATION OF DEPRECIATION ACCRUAL RATE
AT DECEMBER 31, 2022

Appendix A3

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Account	Description	Original Cost at 12/31/22	Allocated Reserve at 12/31/22	Net Salvage %	Net Salvage Amount	Unrecovered Investment	Remaining Life	Annual Accrual Amount	Annual Accrual %
STORAGE PLANT									
26100	Structures & Improvements	\$ 14,030,938	\$ 2,636,743	-15%	\$ (2,104,641)	\$ 13,498,836	35.88	\$ 376,271	2.68%
26200	Gas Holders	4,102,434	1,159,942	-15%	(615,365)	3,557,858	48.64	73,141	1.78%
26300	Purification Equipmen	6,608,481	2,135,571	-10%	(660,848)	5,133,759	19.06	269,293	4.07%
26310	Liquefaction Equipmen	15,299,548	1,948,399	-10%	(1,529,955)	14,881,104	34.25	434,438	2.84%
26320	Vaporizing Equipmen	20,836,303	5,909,329	-5%	(1,041,815)	15,968,789	19.95	800,634	3.84%
26330	Compressor Equipmen	9,818,090	2,231,314	-10%	(981,809)	8,568,585	29.75	288,066	2.93%
26340	M&R Equipment	28,208	6,564	-10%	(2,821)	24,465	29.50	829	2.94%
26350	Other Equipmen	2,829,228	928,900	-5%	(141,461)	2,041,789	18.36	111,209	3.93%
	Total Storage Plan	73,553,230	16,956,761		(7,078,715)	63,675,184		2,353,882	3.20%
TRANSMISSION PLANT									
26520	Land Rights	18,560,350	1,170,742	0%	0	17,389,608	71.69	242,557	1.31%
26620	M&R Station Structures	1,935,009	210,237	-5%	(96,750)	1,821,523	41.48	43,910	2.27%
26700	Mains	334,930,097	23,841,615	-30%	(100,479,029)	411,567,511	61.87	6,652,081	1.99%
26900	M&R Equipment	46,482,923	3,049,271	-10%	(4,648,292)	48,081,944	45.09	1,066,322	2.29%
	Total Transmission Plan	401,908,379	28,271,865		(105,224,072)	478,860,586		8,004,870	1.99%
DISTRIBUTION PLANT									
27401	Rights of Way	4,607,773	349,429	0%	0	4,258,343	70.47	60,430	1.31%
27500	Structures & Improvements	218,689	161,559	-5%	(10,934)	68,064	21.97	3,099	1.42%
27600	Mains	681,344,427	204,639,966	-30%	(204,403,328)	681,107,789	55.48	12,276,536	1.80%
27800	M&R Equipment	28,764,699	4,468,147	-15%	(4,314,705)	28,611,257	42.83	667,967	2.32%
27900	City Gate Equipmen	15,520,350	2,803,060	-15%	(2,328,053)	15,045,343	44.62	337,209	2.17%
28000	Services	365,260,270	192,010,692	-90%	(328,734,243)	501,983,821	46.77	10,732,750	2.94%
28100	Meters - Commercial & Industrie	16,680,016	4,351,883	0%	0	12,328,133	25.35	486,378	2.92%
28101	Meters - Residentia	10,727,669	6,561,520	0%	0	4,166,148	12.81	325,108	3.03%
28105	ERT's and Accessories	8,124,665	4,067,464	0%	0	4,057,200	15.03	270,007	3.32%
28200	Meter Installations	21,819,465	5,592,256	0%	0	16,227,209	24.67	657,810	3.01%
28300	House Regulators	4,013,114	1,508,904	0%	0	2,504,209	21.71	115,340	2.87%
28400	House Regulator Installation	3,471,745	1,658,711	0%	0	1,813,034	19.20	94,442	2.72%
28500	Industrial M&R Equipmen	7,458,007	1,398,228	-10%	(745,801)	6,805,580	47.53	143,185	1.92%
	Total Distribution Plan	1,168,010,888	429,571,821		(540,537,064)	1,278,976,131		26,170,261	2.24%
GENERAL PLANT DEPRECIATED									
29000	Structures & Improvements	24,883,688	6,283,912	-5%	(1,244,184)	19,843,961	40.95	484,644	1.95%
29002	CNG Equipment	4,016,998	1,838,139	-2%	(80,340)	2,259,199	16.56	136,465	3.40%
29210	Passenger Cars & Station Wagor	755,193	556,298	25%	188,798	10,097	1.82	5,538	0.73%
29242	Transportation 7 Year Urbar	10,311,743	7,086,316	25%	2,577,936	647,492	2.17	298,308	2.89%
29243	Transportation - Heavy Duty	3,935,807	1,945,034	25%	983,952	1,006,821	5.04	199,822	5.08%
29244	Transportaion - Trailers & Othe	238,572	107,079	25%	59,643	71,850	5.49	13,078	5.48%
29600	Power Operated Equipmen	1,495,529	774,565	13%	194,419	526,545	12.14	43,378	2.90%
	Total General Depreciated Plan	45,637,531	18,591,343		2,680,223	24,365,965		1,181,233	2.59%
	Total Depreciated Plant	1,689,110,028	493,391,790		(650,159,627)	1,845,877,865		37,710,246	2.23%

**PIEDMONT NATURAL GAS - TENNESSEE
COMPUTATION OF AMORTIZATION AMOUNT
FOR AMORTIZED GENERAL PROPERTY
AT DECEMBER 31, 2022**

Amortized General Plant

Before Retirements		Plant Balance at 12/31/22	Allocated Reserve at 12/31/22	Theoretical Reserve at 12/31/22	Reserve Surplus/Deficit	Assets > ASL to be Retired
Account	Description					
29100	Office Furniture & Equipmen	\$ 2,749,081	\$ 1,444,425	\$ 1,444,425	0	\$ -
29102	PC Equipment	9,964	996	996	0	-
29400	Tools, Shop & Garage Equipmen	3,295,922	1,234,099	1,234,099	0	-
29500	Laboratory Equipmen	105,879	86,334	86,334	0	-
29700	Communication Equipmen	874,701	368,069	368,069	0	-
29800	Miscellaneous Equipmen	656,945	195,094	195,094	0	-
Total General Amortized		7,692,491	3,329,018	3,329,018	0	-

After Retirements of Assets With Age > Average Service Life

Account	Description	Plant Balance at 12/31/22	Allocated Reserve at 12/31/22	Annual (1) Amortization Amount	Amortization Life	Annual (2) Amortization Rate
29100	Office Furniture & Equipmen	2,749,081	1,444,425	137,454	20	5.00%
29102	PC Equipment	9,964	996	1,993	5	20.00%
29400	Tools, Shop & Garage Equipmen	3,295,922	1,234,099	164,796	20	5.00%
29500	Laboratory Equipmen	105,879	86,334	5,294	20	5.00%
29700	Communication Equipmen	874,701	368,069	58,313	15	6.67%
29800	Miscellaneous Equipmen	656,945	195,094	32,847	20	5.00%
Total General Amortized		7,692,491	3,329,018	400,698		5.21%

(1) Annual Amortization Amount is balance/life of asset group

(2) Rate is (1-Net Salvage %)/ASL of asset group.

**PIEDMONT NATURAL GAS COMPANY
2-STATE COMMON PROPERTY ASSETS
COMPUTATION OF ANNUAL DEPRECIATION ACCRUAL AND RATES
DEPRECIATION STUDY AT DECEMBER 31, 2022**

Account	Description	Original Cost at 12/31/2022	Allocated Book Reserve at 12/31/2022	Net Salvage %	Net Salvage Amount	Unrecovered Investment	Remaining Life	Annual Accrual Amount	Annual Accrual %
STORAGE PLANT									
26001	Rights of Way	\$ 117,629	\$ 1,673	0%	\$ -	\$ 115,955	78.50	\$ 1,477	1.26%
26100	Structures & Improvements	167,787,704.15	12,669,474.36	-15%	(25,168,155.62)	180,286,385.41	41.11	4,385,911.34	2.61%
26200	Gas Holders	113,458,495	7,341,115	-15%	(17,018,774.25)	123,136,154.07	64.81	1,899,978.23	1.67%
26300	Purification Equipment	58,728,924	5,445,620	-10%	(5,872,892.44)	59,156,196.39	26.67	2,218,325.75	3.78%
26310	Liquefaction Equipment	69,260,510	4,207,195	-10%	(6,926,051.04)	71,979,366.55	37.09	1,940,733.18	2.80%
26320	Vaporization Equipment	57,559,802	15,491,406	-5%	(2,877,990.12)	44,946,386.12	19.87	2,262,552.17	3.93%
26330	Compressor Equipment	22,841,851	3,114,556	-10%	(2,284,185.12)	22,011,480.00	33.47	657,743.92	2.88%
26340	M&R Equipment	1,123,236	211,573	-10%	(112,323.62)	1,023,986.80	30.97	33,061.03	2.94%
26350	Other Equipment	14,479,551	2,548,159	-5%	(723,977.57)	12,655,370.32	23.37	541,449.60	3.74%
	Total Storage	505,357,704	51,030,773		(60,984,350)	515,311,281		13,941,232	2.76%
DISTRIBUTION PLANT									
27500	Structures & Improvements	824,052	819,533	-5%	(41,202.58)	45,720.94	21.67	2,109.54	0.26%
28100	Meters - Commercial & Industrial	100,076	25,471	0%	-	74,605.01	28.02	2,663.01	2.66%
28104	Meters - Meter Accessories	1,980,582	1,962,848	0%	-	17,734.27	5.52	3,214.11	0.16%
28106	AMI Meter (New)			0%	-	-	-		5.00%
	Total Distribution	2,904,710	2,807,852		(41,203)	138,060		7,987	0.27%
GENERAL PLANT DEPRECIATED									
29000	Structures & Improvements	215,747	16,885	-5%	(10,787.33)	209,649.05	46.77	4,482	2.08%
29242	Transportation - 7 Year Urban Use	380,714	262,178	25%	95,178.52	23,357.48	1.44	16,270	4.27%
29243	Transportation - 10 Year Heavy Duty	225,057	156,032	25%	56,264.32	12,760.61	2.00	6,389	2.84%
29244	Transportation - Trailers & Other	5,636	3,864	25%	1,409.00	362.66	0.86	423	7.50%
29600	Power Operated Equipment	861,228	503,411	13%	111,959.58	245,856.89	9.20	26,713	3.10%
	Total General Depreciated	1,688,381	942,371		254,024	491,987		54,277	3.21%
	Total Depreciated Plant	\$ 509,950,795	\$ 54,780,996		\$ (60,771,528)	\$ 515,941,328		\$ 14,003,496	2.75%

**PIEDMONT NATURAL GAS COMPANY
2-STATE COMMON PROPERTY ASSETS
COMPUTATION OF AMORTIZATION AMOUNT AND RATES
FOR AMORTIZED GENERAL PROPERTY
DEPRECIATION STUDY AT DECEMBER 31, 2022**

Amortize before Retirements		Plant Balance at 12/31/2022	Allocated Book Reserve at 12/31/2022	Theoretical Reserve at 12/31/2022	Reserve Deficit/Surplus	Assets with Age > Average Service Life	Annual Amortization %
Account	Description						
29100	Office Furniture & Equipment	218,667	61,889	61,889	-	-	5.00%
29400	Tools, Shop & Garage Equipment	1,002,132	383,491	383,491	-	-	5.00%
29500	Laboratory Equipment	367,010	254,772	254,772	-	-	5.00%
29700	Communications Equipment	1,330,455	606,385	606,385	-	-	6.67%
29800	Miscellaneous Equipment	552,497	86,343	86,343	-	-	5.00%
	Total General Amortized	3,470,761	1,392,880	1,392,880	-	-	
Amortize after Retirement of Assets with Age > Average Service Life		Plant Balance at 12/31/2022	Allocated Book Reserve at 12/31/2022	Annual (1) Amortization Amount	Annual (2) Amortization Rate		
Account	Description						
29100	Office Furniture & Equipment	218,667	61,889	10,933			5.00%
29400	Tools, Shop & Garage Equipment	1,002,132	383,491	50,107			5.00%
29500	Laboratory Equipment	367,010	254,772				5.00%
29700	Communications Equipment	1,330,455	606,385	88,697			6.67%
29800	Miscellaneous Equipment	552,497	86,343	27,625			5.00%
	Total General Amortized after AR 15 retirements	3,470,761	1,392,880	177,362			5.11%
	Total General Depreciated & Amortized	5,159,143	2,335,250				
	Total Depreciated & Amortized (excludes land)	\$ 513,421,556	\$ 56,173,875				

(1) Annual Amortization Amount is Balance-0% NS/ASL of account.

(2) Rate is (1-0%NS)/ASL of asset account.

PIEDMONT NATURAL GAS COMPANY
3-STATE COMMON PROPERTY ASSETS
COMPUTATION OF ANNUAL DEPRECIATION ACCRUAL AND RATES
DEPRECIATION STUDY AT DECEMBER 31, 2022

Account	Description	Original Cost at 12/31/2022	Allocated Book Reserve at 12/31/2022	Net Salvage %	Net Salvage Amount	Unrecovered Investment	Remaining Life	Annual Accrual Amount	Annual Accrual %
DISTRIBUTION PLANT									
28100	Meters - Commercial & Industrial	7,352,675	342,289	0%	0	7,010,386	30.43	230,349	3.13%
28101	Meters - Residential	5,107,469	321,763	0%	0	4,785,706	23.34	205,007	4.01%
28105	Meters - Meter Accessories & ERTs	18,114,802	5,797,300	0%	0	12,317,502	16.59	742,556	4.10%
28106	AMI Meter - NEW	-	-	0%	0	0	-	-	5.00% *
Total Distribution		30,574,945	6,461,351		-	17,103,208		947,563	3.10%
GENERAL PLANT DEPRECIATED									
29000	Structures & Improvements	2,677,624	205,411	-5%	(133,881)	2,606,094	42.62	61,146	2.28%
29240	Transportation 3 Year Meter Reading Truck	104,284	78,213	25%	26,071	0	-	-	25.00% **
29241	Transportation 5 Year Rural	828,717	502,146	25%	207,179	119,392	0.96	124,308	15.00%
29242	Transportation - 7 Year Urban Use	1,429,699	376,517	25%	357,425	695,757	2.03	341,947	23.92%
29243	Transportation - 10 Year Heavy Duty	130,042	40,415	25%	32,510	57,116	1.63	35,059	26.96%
29244	Transportation - Trailers & Other	21,889	6,680	25%	5,472	9,736	1.78	5,471	25.00%
Total General Depreciated		5,192,254	1,209,383		494,776	3,488,095		567,931	10.94%
Total Depreciated Plant		\$ 35,767,199	\$ 7,670,733		\$ 494,776	\$ 20,591,303		\$ 1,515,494	4.24%

*Account is new. Proposed Rate is (1-NS%)/ASL years and will be applied to new AMI Meters.

**Account is fully depreciated. Proposed Rate is (1-NS%)/ASL years and is to be applied to new additions.

PIEDMONT NATURAL GAS COMPANY
3-STATE COMMON PROPERTY ASSETS
COMPUTATION OF AMORTIZATION AMOUNT
FOR AMORTIZED GENERAL PROPERTY
DEPRECIATION STUDY AT DECEMBER 31, 2022

Account	Description	Plant Balance at 12/31/2022	Allocated Book Reserve at 12/31/2022	Theoretical Reserve at 12/31/2022	Reserve (Deficit)/Surplus	Reserve Amortization Period	Amortize Reserve Deficit/(Surplus)	Assets with Age > Average Service Life	Annual Amortization %
29001	Leasehold Improvements	1,899,219	1,946,713	1,958,051	(11,337)	4.00	2,834	1,414,747	7.50%
29100	Office Furniture & Equipment	7,145,598	2,518,888	5,088,360	(2,569,472)	4.00	642,368	-	5.00%
29101	Electronic Data Processing/Mainframe Equipment	1,454,289	1,010,949	1,014,034	(3,085)	4.00	771	-	20.00%
29102	PC/Server Equipment	10,842,264	3,719,090	7,139,419	(3,420,329)	4.00	855,082	-	20.00%
29400	Tools, Shop & Garage Equipment	3,794,578	755,421	1,526,013	(770,592)	4.00	192,648	-	5.00%
29700	Communications Equipment	34,649,396	17,648,417	19,598,485	(1,950,067)	4.00	487,517	14,629,950	6.67%
29800	Miscellaneous Equipment	33,588	6,396	12,920	(6,524)	4.00	1,631	-	5.00%
Total General Amortized		59,818,931	27,605,875	36,337,282	(8,731,407)		2,182,852	16,044,697	

Account	Description	Plant Balance at 12/31/2022	Allocated Book Reserve at 12/31/2022	Annual (1) Amortization Amount	Amortization Reserve Amount	Total Amortization Amount	Annual (2) Amortization Rate
29001	Leasehold Improvements	484,472	531,966	36,335	2,834	39,170	7.50%
29100	Office Furniture & Equipment	7,145,598	2,518,888	357,280	642,368	999,648	5.00%
29101	Electronic Data Processing/Mainframe Equipment	1,454,289	1,010,949	484,763	771	485,534	20.00%
29102	PC/Server Equipment	10,842,264	3,719,090	2,168,453	855,082	3,023,535	20.00%
29400	Tools, Shop & Garage Equipment	3,794,578	755,421	189,729	192,648	382,377	5.00%
29700	Communications Equipment	20,019,446	3,018,467	1,334,630	487,517	1,822,147	6.67%
29800	Miscellaneous Equipment	33,588	6,396	1,679	1,631	3,310	5.00%
Total General Amortized after AR 15 retirements		43,774,234	11,561,178	4,572,869	2,182,852	6,755,721	15.43%
Total General Depreciated & Amortized		48,966,488	12,770,561				
Total Depreciated & Amortized (excludes land)		\$ 79,541,433	\$ 19,231,912				

(1) Annual Amortization Amount is balance-net salvage/life of asset group

(2) Rate is (1-Net Salvage %)/ASL of asset group.

APPENDIX B
Comparison of Depreciation Rates

PIEDMONT NATURAL GAS
NORTH CAROLINA
COMPARISON OF EXISTING VS RECOMMENDED DEPRECIATION RATES
DEPRECIATION STUDY AS OF SEPTEMBER 30, 2018

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PIEDMONT NATURAL GAS - NORTH CAROLINA
COMPARISON OF EXISTING VS RECOMMENDED DEPRECIATION RATES w RESERVE ALLOCATION
DEPRECIATION STUDY AS OF DECEMBER 31, 2022

Account		Originally Filed						Filed Supplemental					
		Existing			Recommended			Existing			Recommended		
		Plant Balance 12/31/2022	Rate	Annual Accrual	Rate	Annual Accrual	Increase/ Decrease	Plant Balance 12/31/2022	Rate	Annual Accrual	Rate	Annual Accrual	Increase/ Decrease
Number	Description												
TRANSMISSION PLANT													
26510	Land	\$ 49,228,222	0.00%	\$ -	0.00%	\$ -	\$ -	\$ 49,228,222	0.00%	\$ -	0.00%	\$ -	\$ -
26520	Land Rights	140,950,149	1.25%	1,759,679	1.29%	1,818,257	58,578	140,950,149	1.25%	1,759,679	1.27%	1,790,067	30,388
26610	Structures & Improvements - Compressor Stations	22,726,694	2.10%	476,413	2.22%	504,533	28,120	22,726,694	2.10%	476,413	2.13%	484,079	7,666
26620	Structures & Improvements - M&R Stations	13,607,383	2.10%	285,202	2.20%	299,362	14,160	13,607,383	2.10%	285,202	2.14%	291,198	5,996
26700	Mains & Cathodic Protection	2,986,129,494	1.85%	55,243,396	1.96%	58,528,138	3,284,742	2,986,129,494	1.85%	55,243,396	1.93%	57,632,299	2,388,904
26800	Compressor Station Equipment	170,814,986	2.85%	4,861,148	3.45%	5,893,117	1,031,969	170,814,986	2.85%	4,861,148	3.26%	5,568,569	707,421
26900	M&R Station Equipment	321,896,245	2.33%	7,488,386	2.25%	7,242,666	(245,720)	321,896,245	2.33%	7,488,386	2.22%	7,146,097	(342,289)
	Total Transmission (excludes land)	3,656,124,950	1.92%	70,114,222	2.03%	74,286,073	4,171,850	3,656,124,950	1.92%	70,114,222	1.99%	72,912,308	2,798,085
DISTRIBUTION PLANT													
27400	Land	3,097,522	0.00%	-	0.00%	-	-	3,097,522	0.00%	-	0.00%	-	-
27401	Land Rights	16,790,245	1.32%	222,205	1.32%	221,631	(574)	16,790,245	1.32%	222,205	1.31%	219,952	(2,253)
27500	Structures & Improvements	641,853	1.70%	10,891	1.94%	12,452	1,561	641,853	1.70%	10,891	1.81%	11,618	726
27600	Mains	1,704,374,068	1.71%	29,106,619	1.87%	31,871,795	2,765,176	1,704,374,068	1.71%	29,106,619	1.84%	31,360,483	2,253,864
27800	M&R Station Equipment	102,155,273	1.93%	1,973,335	2.38%	2,431,296	457,960	102,155,273	1.93%	1,973,335	2.36%	2,410,864	437,529
27900	M&R City Gate Equipment	160,815,215	1.90%	3,061,316	2.24%	3,602,261	540,945	160,815,215	1.90%	3,061,316	2.22%	3,570,098	508,782
28000	Services	937,309,565	2.78%	26,074,006	3.10%	29,056,597	2,982,590	937,309,565	2.78%	26,074,006	3.04%	28,494,211	2,420,205
28100	Meters Commercial & Industrial	41,358,207	2.90%	1,199,812	3.02%	1,249,018	49,206	41,358,207	2.90%	1,199,812	2.94%	1,215,931	16,119
28101	Meters Residential	56,228,719	2.90%	1,631,210	3.72%	2,091,708	460,499	56,228,719	2.90%	1,631,210	3.49%	1,962,382	331,173
28105	Meters - Meter Accessories & ERTs	33,879,174	3.46%	1,173,882	3.75%	1,270,469	96,587	33,879,174	3.46%	1,173,882	3.54%	1,199,323	25,441
28106	Honeywell AMI Meters - New Account		2.90%		5.00% (1)		-		2.90%		5.00% (1)		-
28200	Meter Installations	71,341,374	3.28%	2,340,246	3.19%	2,275,790	(64,456)	71,341,374	3.28%	2,340,246	3.16%	2,254,387	(85,859)
28300	House Regulators	13,192,898	2.96%	390,428	3.13%	412,938	22,510	13,192,898	2.96%	390,428	3.04%	401,064	10,636
28400	House Regulator Installations	726,793	3.40%	24,697	3.20%	23,257	(1,440)	726,793	3.40%	24,697	3.19%	23,185	(1,513)
28500	Industrial M&R Station Equipment	53,721,435	1.63%	876,291	1.94%	1,042,196	165,905	53,721,435	1.63%	876,291	1.89%	1,015,335	139,044
28600	Property on Customer Premises	743,304	1.50%	11,139	1.49%	11,075	(64)	743,304	1.50%	11,139	0.93%	6,913	(4,226)
28700	Other Equipment	43,672	2.29%	999	3.53%	1,542	542	43,672	2.29%	999	3.30%	1,441	442
	Total Distribution (excludes land)	3,193,321,796	2.13%	68,097,077	2.37%	75,574,024	7,476,947	3,193,321,796	2.13%	68,097,077	2.32%	74,147,187	6,050,110

PIEDMONT NATURAL GAS
NORTH CAROLINA
COMPARISON OF EXISTING VS RECOMMENDED DEPRECIATION RATES
DEPRECIATION STUDY AS OF SEPTEMBER 30, 2018

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Account		Existing			Recommended					Existing			Recommended				
		Plant Balance	Rate	Annual	Rate	Annual	Increase/			Plant Balance	Rate	Annual	Rate	Annual	Increase/		
Number	Description	12/31/2022		Accrual		Accrual	Decrease			12/31/2022		Accrual		Accrual	Decrease		
GENERAL PLANT																	
28900	Land	3,983,257	0.00%	-	0.00%	-	-			3,983,257	0.00%	-	0.00%	-	-		
29000	Structures & Improvements	143,518,152	2.00%	2,867,395	2.10%	3,013,881	146,487			143,518,152	2.00%	2,867,395	2.05%	2,942,122	74,727		
29002	CNG Station Equipment	23,414,053	3.90%	914,219	4.09%	957,635	43,416			23,414,053	3.90%	914,219	3.87%	906,124	(8,095)		
29210	Passenger Cars & Station Wagons	2,369,038	11.76%	278,576	11.51%	272,676	(5,899)			2,369,038	11.76%	278,576	3.14%	74,388	(204,188)		
29240	Transportation Equipment - 3 Year Meter Reading	316,865	18.07%	57,246	25.00% *	79,216	21,970			316,865	18.07%	57,246	25.00% *	79,216	21,970		
29241	Transportation - 5 Year Rural Use	15,725,619	12.82%	2,016,759	15.74%	2,475,212	458,453			15,725,619	12.82%	2,016,759	9.66%	1,519,095	(497,664)		
29242	Transportation - 7 Year Urban Use	47,993,100	7.54%	3,616,497	10.90%	5,231,248	1,614,751			47,993,100	7.54%	3,616,497	8.40%	4,031,420	414,924		
29243	Transportation - 10 Year Heavy Duty	21,225,632	6.14%	1,303,359	7.55%	1,602,535	299,176			21,225,632	6.14%	1,303,359	6.75%	1,432,730	129,371		
29244	Transportation - 15 Year Trailers & Other	1,959,428	4.58%	89,684	7.63%	149,504	59,820			1,959,428	4.58%	89,684	6.00%	117,566	27,882		
29600	Power Operated Equipment	12,462,565	3.28%	408,772	3.98%	496,010	87,238			12,462,565	3.28%	408,772	3.46%	431,205	22,433		
	Total General Depreciated (excludes land)	268,984,451	4.29%	11,552,506	5.31%	14,277,918	2,725,412			268,984,451	4.29%	11,552,506	4.29%	11,533,866	(18,640)		
GENERAL PLANT AMORTIZED (2)																	
29100	Office Furniture & Equipment	11,342,560	5.00%	567,128	5.00%	567,128	-			11,411,644	5.00%	570,582	5.00%	570,582	-		
29102	PC Equipment	149,597	20.00%	29,919	20.00%	29,919	-			149,597	20.00%	29,919	20.00%	29,919	-		
29300	Stores Equipment	3,385	5.00%	169	5.00%	169	-			3,385	5.00%	169	5.00%	169	-		
29400	Tools, Shop & Garage Equipment	19,134,219	5.00%	956,711	5.00%	956,711	-			19,486,292	5.00%	974,315	5.00%	974,315	-		
29500	Laboratory Equipment	755,303	5.00%	37,765	5.00%	37,765	-			797,185	5.00%	39,859	5.00%	39,859	-		
29700	Communications Equipment	6,880,115	5.56%	382,229	6.67%	458,904	76,675			7,048,877	5.56%	391,604	6.67%	470,160	78,556		
29800	Miscellaneous Equipment	3,439,097	5.00%	171,955	5.00%	171,955	-			3,439,097	5.00%	171,955	5.00%	171,955	-		
	Total General Amortized	41,704,276	5.15%	2,145,876	5.33%	2,222,551	76,675			42,336,076	5.15%	2,178,404	5.33%	2,256,960	78,556		
	Total General Plant (excludes land)	310,688,727	4.41%	13,698,382	5.31%	16,500,470	2,802,087			311,320,527	4.41%	13,730,910	4.43%	13,790,825	59,915		
	Total Study Depreciated & Amortized	7,160,135,474	2.12%	151,909,682	2.32%	166,360,566	14,450,884			7,160,767,274	2.12%	151,942,209	2.25%	160,850,320	8,908,111		
	Total Plant with Land & Intangibles - GL	7,219,519,692								7,219,519,692							
(1) Rate is (1-Net Salvage %)/ASL of asset group. *Account is fully depreciated. Rate is (1-NS%)/ASL of group																	
	Difference Study and GL	(59,384,218)								(58,752,418)							
	Excluded Land, Intangible	56,919,973								56,919,973							
	Retirements for Assets Age > ASL	2,464,245								1,832,444		(631,800)					
	Unreconciled Difference	(0)								(0)							

(2) General Plant Amortized Balance is after retirement of assets with an age greater than the ASL

Due to the age and remaining life change, Accounts 29100, 29400, 29500, and 29700 amounts identified to be retired decreased, which results in an increase in total depreciable balances as compared to the original filed.

PIEDMONT NATURAL GAS COMPANY
SOUTH CAROLINA DIRECT PROPERTIES
COMPARISON OF EXISTING VERSUS RECOMMENDED DEPRECIATION RATES w ALLOCATED RESERVE
DEPRECIATION STUDY AS OF DECEMBER 31, 2022

Account		2022-89-G-SC			Originally Filed			Filed Supplemental						
		Plant Balance	Existing		Recommended		Increase/	Plant Balance	Existing		Recommended		Increase/	
Number	Description	12/31/2022	Rate	Annual Accrual	Rate	Annual Accrual	Decrease	12/31/2022	Rate	Annual Accrual	Rate	Annual Accrual	Decrease	
TRANSMISSION PLANT														
26510	Land	\$ 2,298,633	0.00%	\$ -	0.00%	\$ -	\$ -	\$ 2,298,633	0.00%	\$ -	0.00%	\$ -	\$ -	
26520	Land Rights	10,546,643	1.25%	131,623	1.29%	136,052	4,429	10,546,643	1.25%	131,623	1.26%	132,888	1,265	
26620	Structures & Improvements - M&R Stations	918,450	2.10%	19,249	2.15%	19,747	498	918,450	2.10%	19,249	2.11%	19,379	131	
26700	Mains	108,190,648	1.69%	1,823,260	0.95%	1,027,811	(795,449)	108,190,648	1.69%	1,823,260	1.92%	2,077,260	254,000	
26800	Compressor Station Equipment	38,880,228	2.85%	1,108,086	3.93%	1,527,993	419,906	38,880,228	2.85%	1,108,086	3.83%	1,489,113	381,026	
26900	M&R Station Equipment	42,129,501	1.88%	791,512	2.23%	939,488	147,976	42,129,501	1.88%	791,512	2.20%	926,849	135,337	
	Total Transmission (excludes land)	200,665,469	1.93%	3,873,730	1.82%	3,651,090	-222,639	200,665,469	1.93%	3,873,730	2.32%	4,645,489	771,759	
DISTRIBUTION PLANT														
27400	Land	70,779	0.00%	0	0.00%	0	0	70,779	0.00%	-	0.00%	-	-	
27401	Land Rights	2,242,778	1.27%	28,495	1.32%	29,605	1,110	2,242,778	1.27%	28,495	1.30%	29,156	662	
27500	Structures & Improvements	794,118	1.82%	14,443	2.08%	16,518	2,075	794,118	1.82%	14,443	2.07%	16,438	1,995	
27600	Mains	276,772,170	1.53%	4,240,364	1.87%	5,175,640	935,275	276,772,170	1.53%	4,240,364	1.83%	5,064,931	824,566	
27800	M&R Station Equipment	22,454,277	1.92%	432,204	2.38%	534,412	102,207	22,454,277	1.92%	432,204	2.38%	534,412	102,207	
27900	M&R City Gate Equipment	7,887,070	1.84%	145,304	2.23%	175,882	30,577	7,887,070	1.84%	145,304	2.21%	174,304	29,000	
28000	Services	179,903,636	2.55%	4,578,677	3.11%	5,595,003	1,016,326	179,903,636	2.55%	4,578,677	3.05%	5,487,061	908,384	
28100	Meters - Commercial & Industrial	9,019,737	2.19%	197,543	3.04%	274,200	76,657	9,019,737	2.19%	197,543	2.97%	267,886	70,344	
28101	Meters - Residential	11,637,196	2.19%	254,868	3.72%	432,904	178,036	11,637,196	2.19%	254,868	3.47%	403,811	148,943	
28106	AMI - New Meters		2.19%	0	5.00% (1)	0	0	-	2.19%	-	5.00% (1)	-	-	
28105	Meters - Meter Accessories & ERTs	7,519,258	4.10%	308,396	3.84%	288,740	(19,656)	7,519,258	4.10%	308,396	3.70%	278,213	(30,183)	
28200	Meter Installations	12,354,332	3.29%	406,095	3.19%	394,103	(11,991)	12,354,332	3.29%	406,095	3.17%	391,632	(14,462)	
28300	House Regulators	3,043,485	3.08%	93,629	3.15%	95,870	2,241	3,043,485	3.08%	93,629	3.09%	94,044	415	
28400	House Regulator Installations	9,429	3.40%	321	3.21%	303	(18)	9,429	3.40%	321	3.20%	302	(19)	
28500	Industrial M&R Station Equipment	10,876,158	1.82%	198,223	1.70%	184,895	(13,329)	10,876,158	1.82%	198,223	1.66%	180,544	(17,679)	
	Total Distribution (excludes land)	544,513,644	2.00%	10,898,561	2.42%	13,198,072	2,299,511	544,513,644	2.00%	10,898,561	2.37%	12,922,733	2,024,172	
GENERAL PLANT DEPRECIATED														
28900	Land	3,924,257	0.00%	0	0.00%	0	0	3,924,257	0.00%	-	0.00%	0.00	-	
29000	Structures & Improvements	12,235,547	1.83%	223,648	2.00%	244,711	21,063	12,235,547	1.83%	223,648	1.89%	231,252	7,604	
29002	CNG Station Equipment	6,395,706	3.69%	236,307	3.81%	243,676	7,369	6,395,706	3.69%	236,307	3.59%	229,606	(6,702)	
29210	Passenger Cars and Wagons	507,259	11.60%	58,842	10.71%	54,327	(4,515)	507,259	11.60%	58,842	10.71%	54,327	(4,515)	
29241	Transportation - 5 Year Urban	716,732	15.40%	110,377	11.08%	79,414	(30,963)	716,732	15.40%	110,377	10.98%	78,697	(31,680)	
29242	Transportation - 7 Year Urban Use	8,360,525	7.03%	587,772	8.62%	720,677	132,905	8,360,525	7.03%	587,772	7.59%	634,564	46,792	
29243	Transportation - 10 Year Heavy Duty	3,858,098	4.67%	180,285	6.42%	247,690	67,405	3,858,098	4.67%	180,285	5.69%	219,526	39,241	
29244	Transportation - 15 Year Trailers & Other	184,169	4.74%	8,724	6.17%	11,363	2,639	184,169	4.74%	8,724	5.57%	10,258	1,534	
29600	Power Operated Equipment	1,822,894	2.89%	52,672	3.38%	61,614	8,942	1,822,894	2.89%	52,672	2.83%	51,588	(1,084)	
	Total General Depreciated (excludes land)	34,080,930	4.28%	1,458,627	4.88%	1,663,473	204,846	34,080,930	4.28%	1,458,627	4.43%	1,509,818	51,191	
GENERAL PLANT AMORTIZED (2)														
29001	Leashold Improvements	31,071	4.76%	1,479	6.79% (1)	2,110	631	31,071	4.76%	1,479	6.79% (1)	2,110	631	
29100	Office Furniture & Equipment	889,942	5.00%	44,497	5.00% (1)	44,497	0	912,721	5.00%	45,636	5.00% (1)	45,636	-	
29102	PC Equipment	21,987	20.00%	4,397	20.00% (1)	4,397	0	21,987	20.00%	4,397	20.00% (1)	4,397	-	
29300	Stores Equipment	6,463	5.00%	323	5.00% (1)	323	0	6,463	5.00%	323	5.00% (1)	323	-	
29400	Tools, Shop & Garage Equipment	2,281,293	5.00%	114,065	5.00% (1)	114,065	0	2,311,484	5.00%	115,574	5.00% (1)	115,574	-	
29500	Laboratory Equipment	176,333	5.00%	8,817	5.00% (1)	8,817	0	182,788	5.00%	9,139	5.00% (1)	9,139	-	
29700	Communications Equipment	496,387	5.56%	27,577	6.67% (1)	33,109	5,532	496,387	5.56%	27,577	6.67% (1)	33,109	5,532	
29800	Miscellaneous Equipment	756,665	5.00%	37,833	5.00% (1)	37,833	0	756,665	5.00%	37,833	5.00% (1)	37,833	-	
	Total General Amortized	4,660,142	5.13%	238,988	5.26%	245,151	6,163	4,719,567	5.13%	241,960	5.26%	248,122	6,163	
	Total General Plant (excludes land)	38,741,072	4.38%	1,697,615	4.93%	1,908,624	211,009	38,800,497	4.38%	1,700,587	4.53%	1,757,940	57,354	
	Total Plant Depreciated & Amortized (excludes land)	\$ 783,920,185	2.10%	\$ 16,469,906	2.39%	\$ 18,757,786	\$ 2,287,880	\$ 783,979,610	2.10%	\$ 16,472,877	2.47%	19,326,163	2,853,286	
	Total Plant with Land and Intangibles	\$ 790,213,854						\$ 790,273,278						

(1) Rate is (1-Net Salvage %)/ASL of asset group.

(2) General Plant Amortized Balance is after retirement of assets with an age greater than the ASL. Due to the age and remaining life change, Accounts 29100, 29400, and 29500 assets to be retired decreased, which results in an increase of depreciable balances.

PIEDMONT NATURAL GAS - TENNESSEE
COMPARISON OF EXISTING VS RECOMMENDED DEPRECIATION RATES w RESERVE ALLOCATION
DEPRECIATION STUDY AS OF DECEMBER 31, 2022

Account Number Description	Originally Filed						Filed Supplemental					
	Plant Balance 12/31/2022	Existing Rates %	Annual Accrual	Recommended Rates %	Annual Accrual	Increase/ Decrease	Plant Balance 12/31/2022	Existing Rates %	Annual Accrual	Recommended Rates %	Annual Accrual	Increase/ Decrease
STORAGE PLANT												
26100 Structures & Improvements	\$ 14,030,938	3.68%	\$ 516,339	2.75%	\$ 385,851	\$ (130,488)	\$ 14,030,938	3.68%	\$ 516,339	2.68%	\$ 376,029	\$ (140,309)
26200 Gas Holders	4,102,434	0.19%	7,795	1.85%	75,895	68,100	4,102,434	0.19%	7,795	1.78%	73,023.33	65,229
26300 Purification Equipment	6,608,481	3.89%	257,070	4.32%	285,486	28,416	6,608,481	3.89%	257,070	4.07%	268,965.19	11,895
26310 Liquefaction Equipment	15,299,548	3.64%	556,904	2.90%	443,687	(113,217)	15,299,548	3.64%	556,904	2.84%	434,507.17	(122,396)
26320 Vaporizing Equipment	20,836,303	3.95%	823,034	4.05%	843,870	20,836	20,836,303	3.95%	823,034	3.84%	800,114.04	(22,920)
26330 Compressor Equipment	9,818,090	3.08%	302,397	3.04%	298,470	(3,927)	9,818,090	3.08%	302,397	2.93%	287,670.03	(14,727)
26340 M&R Equipment	28,208	6.61%	1,865	3.05%	860	(1,004)	28,208	6.61%	1,865	2.94%	829.32	(1,035)
26350 Other Equipment	2,829,228	4.00%	113,169	4.17%	117,979	4,810	2,829,228	4.00%	113,169	3.93%	111,188.64	(1,980)
Total Storage Plant	73,553,230	3.51%	2,578,571	3.33%	2,452,098	(126,473)	73,553,230	3.51%	2,578,571	3.20%	2,352,327	(226,245)
TRANSMISSION PLANT												
26520 Land Rights	18,560,350	1.25%	232,004	1.33%	246,853	14,848	18,560,350	1.25%	232,004	1.31%	243,141	11,136
26620 M&R Station Structures	1,935,009	2.00%	38,700	2.33%	45,086	6,386	1,935,009	2.00%	38,700	2.27%	43,925	5,225
26700 Mains	334,930,097	1.39%	4,655,528	2.02%	6,765,588	2,110,060	334,930,097	1.39%	4,655,528	1.99%	6,665,109	2,009,581
26900 M&R Equipment	46,482,923	2.00%	929,658	2.33%	1,083,052	153,394	46,482,923	2.00%	929,658	2.29%	1,064,459	134,800
Total Transmission Plant	401,908,379	1.46%	5,855,891	2.03%	8,140,578	2,284,687	401,908,379	1.46%	5,855,891	1.99%	8,016,633	2,160,742
DISTRIBUTION PLANT												
27401 Rights of Way	4,607,773	1.38%	63,587	1.32%	60,823	(2,765)	4,607,773	1.38%	63,587	1.31%	60,362	(3,225)
27500 Structures & Improvements	218,689	3.05%	6,670	1.61%	3,521	(3,149)	218,689	3.05%	6,670	1.42%	3,105	(3,565)
27600 Mains	681,344,427	1.58%	10,765,242	1.83%	12,468,603	1,703,361	681,344,427	1.58%	10,765,242	1.80%	12,264,200	1,498,958
27800 M&R Equipment	28,764,699	2.89%	831,300	2.34%	673,094	(158,206)	28,764,699	2.89%	831,300	2.32%	667,341	(163,959)
27900 City Gate Equipment	15,520,350	2.49%	386,457	2.19%	339,896	(46,561)	15,520,350	2.49%	386,457	2.17%	336,792	(49,665)
28000 Services	365,260,270	2.63%	9,606,345	3.00%	10,957,808	1,351,463	365,260,270	2.63%	9,606,345	2.94%	10,738,652	1,132,307
28100 Meters - Commercial & Industrial	16,680,016	3.28%	547,105	2.97%	495,396	(51,708)	16,680,016	3.28%	547,105	2.92%	487,056	(60,048)
28101 Meters - Residential	10,727,669	3.28%	351,868	3.29%	352,940	1,073	10,727,669	3.28%	351,868	3.03%	325,048	(26,819)
28105 ERT's and Accessories	8,124,665	3.55%	288,426	3.49%	283,551	(4,875)	8,124,665	3.55%	288,426	3.32%	269,739	(18,687)
28106 Honeywell AMI Meters - New	-	3.28%	-	5.00% (1)	-	-	-	3.28%	-	5.00% (1)	-	-
28200 Meter Installations	21,819,465	3.10%	676,403	3.07%	669,858	(6,546)	21,819,465	3.10%	676,403	3.01%	656,766	(19,638)
28300 House Regulators	4,013,114	2.55%	102,334	2.97%	119,189	16,855	4,013,114	2.55%	102,334	2.87%	115,176	12,842
28400 House Regulator Installations	3,471,745	2.24%	77,767	2.87%	99,639	21,872	3,471,745	2.24%	77,767	2.72%	94,431	16,664
28500 Industrial M&R Equipment	7,458,007	2.70%	201,366	1.94%	144,685	(56,681)	7,458,007	2.70%	201,366	1.92%	143,194	(58,172)
Total Distribution Plant	1,168,010,888	2.05%	23,904,870	2.28%	26,669,003	2,764,134	1,168,010,888	2.05%	23,904,870	2.24%	26,161,863	2,256,993
GENERAL PLANT DEPRECIATED												
29000 Structures & Improvements	24,883,688	1.93%	480,255.18	2.00%	497,673.76	17,418.58	24,883,688	1.93%	480,255	1.95%	485,232	4,977
29002 Compressed Natural Gas	4,016,998	4.95%	198,841.42	3.62%	145,415.34	(53,426.08)	4,016,998	4.95%	198,841	3.40%	136,578	(62,263)
29210 Passenger Cars & Station Wagon	755,193	11.43%	86,318.61	3.03%	22,882.36	(63,436.25)	755,193	11.43%	86,319	0.73%	5,513	(80,806)
29242 Transportation 7 Year Urban	10,311,743	7.61%	784,723.66	4.44%	457,841.40	(326,882.26)	10,311,743	7.61%	784,724	2.89%	298,009	(486,714)
29243 Transportation - Heavy Duty	3,935,807	4.54%	178,685.62	5.71%	224,734.56	46,048.94	3,935,807	4.54%	178,686	5.08%	199,939	21,253
29244 Transportation - Trailers & Other	238,572	3.62%	8,636.30	5.81%	13,861.03	5,224.73	238,572	3.62%	8,636	5.48%	13,074	4,437
29600 Power Operated Equipment	1,495,529	2.35%	35,144.93	3.27%	48,903.80	13,758.87	1,495,529	2.35%	35,145	2.90%	43,370	8,225
Total General Depreciated Plant	45,637,531	3.88%	1,772,605.73	3.09%	1,411,312.25	(361,293.48)	45,637,531	3.88%	1,772,606	2.59%	1,181,715	(590,891)
Total Depreciated Plant	1,689,110,028	2.02%	34,111,938.12	2.29%	38,672,992.43	4,561,054.31	1,689,110,028	2.02%	34,111,938.12	2.23%	37,712,538	3,600,600
GENERAL PLANT AMORTIZED (2)												
29100 Office Furniture & Equipment	2,728,937	5.00%	136,446.85	5.00%	136,446.85	0.00	2,749,081	5.00%	137,454	5.00%	136,447	(1,007)
29102 PC Equipment	9,964	20.33%	2,025.69	20.00%	1,992.81	(32.88)	9,964	20.00%	1,993	20.00%	1,993	0
29400 Tools, Shop & Garage Equipment	3,161,374	5.00%	158,068.71	5.00%	158,068.71	0.00	3,295,922	5.00%	164,796	5.00%	158,069	(6,727)
29500 Laboratory Equipment	105,879	5.00%	5,293.97	5.00%	5,293.97	0.00	105,879	5.00%	5,294	5.00%	5,294	0
29700 Communication Equipment	874,701	6.67%	58,342.54	6.67%	58,342.54	0.00	874,701	6.67%	58,343	6.67%	58,343	0
29800 Miscellaneous Equipment	656,945	5.00%	32,847.23	5.00%	32,847.23	0.00	656,945	5.00%	32,847	5.00%	32,847	0
Total General Amortized Plant	7,537,800	5.21%	393,024.98	5.21%	392,992.10	(32.88)	7,692,491	5.21%	400,727	5.21%	392,992	(7,735)
Total Depreciated & Amortized Plant	\$ 1,696,647,828	2.03%	\$ 34,504,963	2.30%	\$ 39,065,985	\$ 4,561,021	\$ 1,696,802,519	2.03%	\$ 34,512,665	2.25%	\$ 38,105,530	\$ 3,592,865

(1) Rate is (1-Net Salvage %)/ASL of asset group.

(2) General Plant Amortized Balance is after retirement of assets with an age greater than the ASL.
Due to the age and remaining life change, Accounts 29100 and 29400 assets to be retired decreased, which results in an increase to depreciable balances.

PIEDMONT NATURAL GAS COMPANY
2-STATE COMMON PROPERTY ASSETS
COMPARISON OF EXISTING VERSUS RECOMMENDED DEPRECIATION RATES
DEPRECIATION STUDY AS OF DECEMBER 31, 2022

Account Number Description		Originally Filed						Filed Supplemental					
		Existing		Recommended		Increase/ Decrease		Existing		Recommended		Increase/ Decrease	
		Plant Balance 12/31/2022	Rate Annual Accrual	Rate Annual Accrual	Rate Annual Accrual			Plant Balance 12/31/2022	Rate Annual Accrual	Rate Annual Accrual	Rate Annual Accrual		
STORAGE PLANT DEPRECIATED													
26001	Rights of Way	\$ 117,629	0.00%	\$ -	1.26%	\$ 1,482	\$ 1,482	\$ 117,629	0.00%	\$ -	1.26%	\$ 1,482	\$ 1,482
26100	Structures & Improvements	167,787,704	2.02%	3,389,311.62	2.67%	4,479,932	1,090,620	167,787,704	2.02%	3,389,311.62	2.61%	4,379,259	989,947
26200	Gas Holders	113,458,495	1.48%	1,679,186	1.70%	1,928,794	249,609	113,458,495	1.48%	1,679,186	1.67%	1,894,757	215,571
26300	Purification Equipment	58,728,924	2.46%	1,444,732	3.89%	2,284,555	839,824	58,728,924	2.46%	1,444,732	3.78%	2,219,953	775,222
26310	Liquefaction Equipment	69,260,510	2.06%	1,426,767	2.86%	1,980,851	554,084	69,260,510	2.06%	1,426,767	2.80%	1,939,294	512,528
26320	Vaporization Equipment	57,559,802	3.43%	1,974,301	4.24%	2,440,536	466,234	57,559,802	3.43%	1,974,301	3.93%	2,262,100	287,799
26330	Compressor Equipment	22,841,851	2.51%	573,330	2.98%	680,687	107,357	22,841,851	2.51%	573,330	2.88%	657,845	84,515
26340	M&R Equipment	1,123,236	3.10%	34,820	3.08%	34,596	(225)	1,123,236	3.10%	34,820	2.94%	33,023	(1,797)
26350	Other Equipment	14,479,551	2.98%	431,491	3.93%	569,046	137,556	14,479,551	2.98%	431,491	3.74%	541,535	110,045
Total Storage (excludes land)		505,357,704	2.17%	10,953,938	2.85%	14,400,479	3,446,541	505,357,704	2.17%	10,953,938	2.76%	13,929,250	2,975,312
DISTRIBUTION PLANT DEPRECIATED													
27500	Structures & Improvements	824,051.54	4.60%	37,906	0.25%	2,060	(35,846)	824,052	4.60%	37,906	0.26%	2,143	(35,764)
28100	Meters - Commercial & Industrial	100,076.21	4.50%	4,503	2.64%	2,642	(1,861)	100,076	4.50%	4,503	2.66%	2,662	(1,841)
28104	Meters - Meter Accessories	1,980,582.25	14.46%	286,392	0.23%	4,555	(281,837)	1,980,582	14.46%	286,392	0.16%	3,169	(283,223)
28106	AMI Meter (New)	-	4.50%	-	5.00%	-	(1) 0	-	4.50%	-	5.00% (1)	-	0
Total Distribution (excludes land)		2,904,710	11.32%	328,802	0.32%	9,257	(319,545)	2,904,710	11.32%	328,802	0.27%	7,973	(320,829)
GENERAL PLANT DEPRECIATED													
29000	Structures & Improvements	215,747	2.10%	4,531	2.12%	4,574	43	215,747	2.10%	4,531	2.08%	4,488	(43)
29242	Transportation - 7 Year Urban Use	380,714	8.83%	33,617	17.44%	66,397	32,779	380,714	8.83%	33,617	4.27%	16,256	(17,361)
29243	Transportation - 10 Year Heavy Duty	225,057	7.29%	16,407	11.98%	26,962	10,555	225,057	7.29%	16,407	2.84%	6,392	(10,015)
29244	Transportation - Trailers & Other	5,636	4.94%	278	20.60%	1,161	883	5,636	4.94%	278	7.50%	423	144
29600	Power Operated Equipment	861,228	3.71%	31,952	4.71%	40,564	8,612	861,228	3.71%	31,952	3.10%	26,698	(5,253)
Total General Depreciated (excludes land)		1,688,381	5.14%	86,784	8.27%	139,657	52,873	1,688,381	5.14%	86,784	3.21%	54,256	(32,528)
GENERAL PLANT AMORTIZED (2)													
29100	Office Furniture & Equipment	218,667	5.00%	10,933	5.00%	10,933	0	218,667	5.00%	10,933	5.00%	10,933	0
29400	Tools, Shop & Garage Equipment	997,199	5.00%	49,860	5.00%	49,860	0	1,002,132	5.00%	50,107	5.00%	50,107	0
29500	Laboratory Equipment	367,010	5.00%	18,350	5.00%	18,350	0	367,010	5.00%	18,350	5.00%	18,350	0
29700	Communications Equipment	1,330,455	5.56%	73,973	6.67%	88,741	14,768	1,330,455	5.56%	73,973	6.67%	88,741	14,768
29800	Miscellaneous Equipment	552,497	5.00%	27,625	5.00%	27,625	0	552,497	5.00%	27,625	5.00%	27,625	0
Total General Amortized		3,465,828	5.21%	180,742	5.64%	195,510	14,768	3,470,761	5.21%	180,989	5.65%	195,757	14,768
Total General Plant		5,154,209	5.19%	267,526	6.50%	335,167	67,641	5,159,143	5.19%	267,773	4.85%	250,013	(17,760)
Total Plant Depreciated & Amortized (excludes land)		\$ 513,416,623	2.25%	\$ 11,550,266	2.87%	\$ 14,744,903	\$ 3,194,637	\$ 513,421,556	2.25%	\$ 11,550,513	2.76%	\$ 14,187,236	\$ 2,636,723

(1) Rate is (1-Net Salvage %)/ASL of asset group.

(2) General Plant Amortized Balance is after retirement of assets with an age greater than the ASL.

Due to the age and remaining life change, Account 294 no longer has assets to be retired, which results in an increase in total depreciable balances as compared to the original filed.

PIEDMONT NATURAL GAS COMPANY
3-STATE COMMON PROPERTY ASSETS
COMPARISON OF EXISTING VERSUS RECOMMENDED DEPRECIATION RATES
DEPRECIATION STUDY AS OF DECEMBER 31, 2022

Account		Originally Filed						Filed Supplemental					
		Existing		Recommended		Increase/ Decrease		Existing		Recommended		Increase/ Decrease	
		Plant Balance 12/31/2022	Rate	Annual Accrual	Rate			Plant Balance 12/31/2022	Rate	Annual Accrual	Rate	Annual Accrual	
Number	Description												
DISTRIBUTION PLANT DEPRECIATED													
28100	Meters - Commercial & Industrial	\$ 7,352,675	4.50%	\$ 330,870	3.16%	\$ 232,345	\$ (98,526)	\$ 7,352,675	4.50%	\$ 330,870	3.13%	\$ 230,139	\$ (100,732)
28101	Meters - Residential	5,107,469	4.50%	229,836	4.07%	207,874	(21,962)	5,107,469	4.50%	229,836	4.01%	204,809	(25,027)
28105	Meters - Meter Accessories & ERTs	18,114,802	14.46%	2,619,400	4.36%	789,805	(1,829,595)	18,114,802	14.46%	2,619,400	4.10%	742,707	(1,876,693)
28106	AMI Meter - NEW	-	4.50%	0	5.00%	-		-	4.50%	0	5.00%	-	0
	Total Distribution (excludes land)	30,574,945	10.40%	3,180,107	4.02%	1,230,024	(1,950,083)	30,574,945	10.40%	3,180,107	3.85%	1,177,655	(2,002,452)
GENERAL PLANT DEPRECIATED (4)													
29000	Structures & Improvements	2,677,624	2.10%	56,230	2.35%	62,924	6,694	2,677,624	2.10%	56,230	2.28%	61,050	4,820
29240	Transportation 3 Year Meter Reading Trucks	104,284	18.07%	0	25.00%	(1)	-	104,284	18.07%	0	25.00%	(1)	0
29241	Transportation 5 Year Rural	828,717	15.40%	127,622	15.00%	124,308	(3,315)	828,717	15.40%	127,622	15.00%	124,308	(3,315)
29242	Transportation - 7 Year Urban Use	1,429,699	8.83%	126,242	33.96%	485,526	359,283	1,429,699	8.83%	126,242	23.92%	341,984	215,742
29243	Transportation - 10 Year Heavy Duty	130,042	7.29%	9,480	35.60%	46,295	36,815	130,042	7.29%	9,480	26.96%	35,059	25,579
29244	Transportation - Trailers & Other	21,889	4.94%	1,081	36.76%	8,046	6,965	21,889	4.94%	1,081	25.00%	5,472	4,391
	Total General Depreciated (excludes land)	5,192,254	6.18%	320,656	14.00%	727,099	406,442	5,192,254	6.18%	320,656	10.94%	567,873	247,216
GENERAL PLANT AMORTIZED (4)													
29001	Leasehold Improvements	39,914	4.76%	1,900	7.50%	(2)	6,893	484,472	4.76%	23,061	7.50%	(2)	39,170
29100	Office Furniture & Equipment	7,145,598	5.00%	357,280	5.00%	(2)	1,201,258	7,145,598	5.00%	357,280	5.00%	(2)	999,648
29101	Electronic Data Processing/Mainframe Equipment	1,454,289	20.00%	290,858	20.00%	(2)	486,140	1,454,289	20.00%	290,858	20.00%	(2)	485,534
29102	PC/Server Equipment	10,435,491	20.00%	2,087,098	20.00%	(2)	3,444,910	10,842,264	20.00%	2,168,453	20.00%	(2)	3,023,535
29400	Tools, Shop & Garage Equipment	3,794,578	5.00%	189,729	5.00%	(2)	452,657	3,794,578	5.00%	189,729	5.00%	(2)	382,377
29700	Communications Equipment	18,874,490	5.56%	1,049,422	6.67%	(2)	2,042,918	20,019,446	5.56%	1,113,081	6.67%	(2)	1,822,147
29800	Miscellaneous Equipment	33,588	5.00%	1,679	5.00%	(2)	3,917	33,588	5.00%	1,679	5.00%	(2)	3,310
	Total General Amortized	41,777,947	9.52%	3,977,966	18.28%		7,638,693	43,774,234	9.47%	4,144,141	15.43%		6,755,721
	Total General Plant	46,970,201	9.15%	4,298,622	17.81%		8,365,792	48,966,488	9.12%	4,464,797	14.96%		7,323,593
	Total Plant Depreciated & Amortized (excludes land)	\$ 77,545,146	9.64%	\$ 7,478,729	12.37%		\$ 9,595,816	\$ 79,541,433	9.61%	\$ 7,644,904	10.69%		\$ 8,501,248
ASSETS NOT INCLUDED IN STUDY													
20300	Misc Intangible Plant - 5 Year	75,751,208	(3)					75,751,208	(3)				
20303	Customer Information System	27,863	(3)					27,863	(3)				
20310	Misc Intangible Plant - 10 Year	140,536,818	(3)					140,536,818	(3)				
29103	Customer Information System	17,721,735	(4)					17,721,735	(4)				
	Total Assets Not Included in Study	234,037,624						234,037,624					
Various	PTC Retirements 2023 & 2024 General Plant	13,243,330	(5)					13,243,330	(5)				
	General Amortized Assets Retired Age > ASL	18,040,984						16,044,697		(1,996,287)			
		342,867,084						342,867,084					
	Total Plant Balance per General Ledger at 12/31/22	\$ 342,867,084						\$ 342,867,084					
		-											

*Denotes a whole life rate (1-NS%/ASL) is shown for future additions

(1) Account is fully depreciated, so no change is calculated. Proposed Rate is (1-NS%)/life and is to be applied to new additions.

(2) Rate is (1-Net Salvage %)/ASL of asset group. The annual amortization amount includes reserve true up for 4 years.

(3) Intangible Assets are amortized and therefore not included in the study.

(4) Customer Information System is fully accrued and will be retired in 2024.

(5) Piedmont Town Center Study Proforma Retirements Total \$10,940,989.83 Recorded in 2023. However, Intangible 20300 retirements of \$258,971.82 is excluded from the study, so the net PTC Study Retirements in 2023 are \$10,682,018.01 and \$2,561,311.87 in 2024 for a total of \$13,243,329.88.

General Plant Amortized Balance is after retirement of assets with an age greater than the ASL

Due to the age and remaining life change, Accounts 29001 29102 and 297 assets to be retired decreased, which results in an increase in the balance.

APPENDIX C
Comparison of Mortality Characteristics

Appendix C
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PIEDMONT NATURAL GAS
SYSTEM WIDE PARAMETERS
COMPARISON OF MORTALITY CHARACTERISTICS
DEPRECIATION STUDY AS OF DECEMBER 31, 2022

Account		Combined Plant Balance for Analysis at 12-31-2022	Existing for NC & Corp Approved NCUC 2019 Docket G-9Sub 743		Existing for SC Approved PSCSC 2022 Docket 2022-89-G SC		Existing for TN Approved TPUC 2021 Docket 20-00086		SYSTEM PROPOSED		
Number	Description		Life	Curve	NS	Life	Curve	NS	Life	Curve	NS
STORAGE PLANT											
26001	Land Rights	117,629									
26100	Structures & Improvements	184,726,495	54	R4	-10%	54	R4	-10%	35	S5	-5%
26200	Gas Holders	117,560,929	70	R5	-10%	70	R5	-10%	70	S5	-5%
26300	Purification Equipment	65,337,406	42	R4	-5%	42	R4	-5%	30	S5	-5%
26310	Liquefaction Equipment	84,560,059	50	R4	-5%	50	R4	-5%	30	S5	-5%
26320	Vaporizing Equipment	78,396,106	30	S6	-5%	30	S6	-5%	30	S5	-5%
26330	Compressor Equipment	32,659,941	40	R4	-5%	40	R4	-5%	35	S5	-5%
26340	M&R Equipment	1,151,444	30	R4	-5%	30	R4	-5%	35	S5	-5%
26350	Other Equipment	17,308,779	33	R4	0%	33	R4	0%	30	S5	-5%
TRANSMISSION PLANT											
26520	Land Rights	170,057,142	80	R4	0%	80	R4	0%	80	R2	0%
26610	Compressor Station Structures	19,818,840	50	R4	-5%						
26620	M&R Station Structures	16,460,842	50	R4	-5%	50	R4	-5%	50	R3	0%
26700	Mains	3,429,250,238	65	R4	-20%	70	R4	-20%	75	R2	-5%
26800	Compressor Station Equipment	209,695,214	35	R4	0%						
26900	M&R Station Equipment	410,508,669	45	R4	-5%	55	R4	-5%	50	R1	0%
DISTRIBUTION PLANT											
27401	Land Rights	23,640,796	75	R4	0%	75	R4	0%	73	R4	0%
27500	Structures & Improvements	2,478,712	50	R4	-5%	50	R4	0%	29	R4	-5%
27600	Mains	2,662,490,665	65	R4	-20%	70	R4	-20%	68	R4	-10%
27800	M&R Station Equipment	153,374,249	55	R2	-10%	55	R2	-10%	35	R3	-10%
27900	M&R City Gate Equipment	184,222,636	55	R2	-10%	55	R2	-10%	41	R4	-10%
28000	Services	1,482,473,471	60	R2.5	-80%	65	R2.5	-80%	60	R2	-100%
28100	Meters - Commercial & Industrial	74,510,711	29	R1.5	0%	35	R1.5	0%	30	R3	0%
28101	Meters - Residential	83,701,053	29	R1.5	0%	35	R1.5	0%	30	R3	0%
28104	Meter Accessories	1,980,582	16	R1.5	0%				20	R4	0%
28105	Meter Accessories, ERTs	67,637,898	15	R4	0%	15	R4	0%	20	R4	0%
28106	Honeywell AMI Meters - New Account	-							20		0%
28200	Meter Installations	105,515,171	29	R1.5	0%	29	R2.5	0%	30	R3	0%
28300	House Regulators	20,249,496	29	R1.5	0%	29	R2.5	0%	30	R3	0%
28400	House Regulator Installations	4,207,967	29	R1.5	0%				30	R3	0%
28500	Industrial M&R Station Equipment	72,055,600	55	R4	-5%	55	R4	-5%	40	R2	-5%
28600	Property on Customer Premises	743,304	40	R3	0%						
28700	Other Equipment	43,672	41	S6	0%						

Appendix C
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PIEDMONT NATURAL GAS
SYSTEM WIDE PARAMETERS
COMPARISON OF MORTALITY CHARACTERISTICS
DEPRECIATION STUDY AS OF DECEMBER 31, 2022

Account		Combined Plant Balance for Analysis at 12-31-2022	Existing for NC & Corp Approved NCUC 2019 Docket G-9Sub 743			Existing for SC Approved PSCSC 2022 Docket 2022-89-G SC			Existing for TN Approved TPUC 2021 Docket 20-00086			SYSTEM PROPOSED		
Number	Description		Life	Curve	NS	Life	Curve	NS	Life	Curve	NS	Life	Curve	NS
GENERAL PLANT DEPRECIATED														
29000	Structures & Improvements	184,583,620	50	L1	-5%	50	L1	-5%	45	R3	-5%	50	L1	-5%
29002	CNG Station Equipment	33,829,665	25	R3	-2%	25	R3	-2%	25	R3	-2%	25	R3	-2%
29600	Power Operated Equipment	16,642,215	22	S1	17%	22	S1	17%	28	S0	12%	22	S1	13%
TRANSPORTATION EQUIPMENT														
29210	Passenger Cars & Station Wagon	3,631,491	7	SQ	17%	7	SQ	17%	7	SQ	20%	7	S4	25%
29240	3 Year-Meter Reading Trucks	504,114	3	SQ	30%	3	SQ	30%				3	SQ	25%
29241	5 Year-Rural 1 ton or less	17,271,067	5	SQ	23%	5	SQ	23%				5	S4	25%
29242	7 Year-Urban 1 ton or less	68,392,816	7	SQ	30%	7	SQ	30%	7	SQ	25%	7	L4	25%
29243	10 Year-Heavy Duty	29,374,636	10	SQ	25%	10	SQ	25%	10	SQ	25%	10	L3	25%
29244	15 Year- Trailers & Other	2,409,694	15	SQ	25%	15	SQ	25%	15	SQ	5%	10	S5	25%
GENERAL PLANT AMORTIZED														
29001	S&I Leasehold Improvements	8,626,122 **										14	SQ	-5%
29100	Office Furniture & Equipment	23,702,294	20	SQ	0%	20	SQ	0%	20	SQ	0%	20	SQ	0%
29101	Electronic Data Processing	2,875,000	5	SQ	0%							5	SQ	0%
29102	PC Equipment	12,527,615	5	SQ	0%							5	SQ	0%
29300	Stores Equipment	9,849	20	SQ	0%							20	SQ	0%
29400	Tools, Shop & Garage Equipment	30,035,728	20	SQ	0%	20	SQ	0%	20	SQ	0%	20	SQ	0%
29500	Laboratory Equipment	1,452,861	20	SQ	0%	20	SQ	0%	20	SQ	0%	20	SQ	0%
29700	Communications Equipment	47,559,994	18	SQ	0%	18	SQ	0%	15	SQ	0%	15	SQ	0%
29800	Miscellaneous Equipment	5,462,140	20	SQ	0%	20	SQ	0%	20	SQ	0%	20	SQ	0%
ACCOUNTS FULLY DEPRECIATED & RETIRED														
29103	Customer Information System	17,721,735												
29105	SaaS - 3 Yr. Contract	208,452												
29204	Lease Buyout	44,289												

*Note - Intangibles were excluded from the study

**Note - PTC Proforma Retirements recorded in 2023 and 2024 were made for rate calculation.

APPENDIX D
Net Salvage

PIEDMONT NATURAL GAS - SYSTEM
NET SALVAGE HISTORY
DEPRECIATION STUDY AS OF DECEMBER 31, 2022

Account	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
26100	2003	-	-	-	-	NA									
26100	2004	-	-	-	-	NA	NA								
26100	2005	-	-	-	-	NA	NA	NA							
26100	2006	-	-	-	-	NA	NA	NA	NA						
26100	2007	-	-	-	-	NA	NA	NA	NA	NA					
26100	2008	-	-	-	-	NA	NA	NA	NA	NA	NA				
26100	2009	-	-	-	-	NA	NA	NA	NA	NA	NA	NA			
26100	2010	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA		
26100	2011	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	
26100	2012	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26100	2013	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26100	2014	305,856	39,922	403,803	(363,881)	-118.97%	-118.97%	-118.97%	-118.97%	-118.97%	-118.97%	-118.97%	-118.97%	-118.97%	-118.97%
26100	2015	122,967	-	5,099	(5,099)	-4.15%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%
26100	2016	-	-	-	-	NA	-4.15%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%
26100	2017	-	-	-	-	NA	NA	-4.15%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%
26100	2018	-	-	-	-	NA	NA	NA	-4.15%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%	-86.04%
26100	2019	1,875,922	-	-	-	0.00%	0.00%	0.00%	0.00%	-0.26%	-16.01%	-16.01%	-16.01%	-16.01%	-16.01%
26100	2020	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	-0.26%	-16.01%	-16.01%	-16.01%	-16.01%
26100	2021	1,151,193	-	785,219	(785,219)	-68.21%	-68.21%	-25.94%	-25.94%	-25.94%	-25.94%	-25.09%	-33.40%	-33.40%	-33.40%
26100	2022	902,456	-	137,248	(137,248)	-15.21%	-44.92%	-44.92%	-23.48%	-23.48%	-23.48%	-23.48%	-22.89%	-29.63%	-29.63%
26200	2003	-	-	-	-	NA									
26200	2004	-	-	-	-	NA	NA								
26200	2005	-	-	-	-	NA	NA	NA							
26200	2006	-	-	-	-	NA	NA	NA	NA						
26200	2007	-	-	-	-	NA	NA	NA	NA	NA					
26200	2008	-	-	-	-	NA	NA	NA	NA	NA	NA				
26200	2009	-	-	-	-	NA	NA	NA	NA	NA	NA	NA			
26200	2010	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA		
26200	2011	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	
26200	2012	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26200	2013	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26200	2014	15,240	-	2,990	(2,990)	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%
26200	2015	-	-	-	-	NA	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%
26200	2016	-	-	-	-	NA	NA	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%
26200	2017	-	-	-	-	NA	NA	NA	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%	-19.62%
26200	2018	3,574	-	-	-	0.00%	0.00%	0.00%	0.00%	-15.89%	-15.89%	-15.89%	-15.89%	-15.89%	-15.89%
26200	2019	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	-15.89%	-15.89%	-15.89%	-15.89%	-15.89%
26200	2020	-	-	-	-	NA	NA	0.00%	0.00%	0.00%	0.00%	-15.89%	-15.89%	-15.89%	-15.89%
26200	2021	723,341	-	439,705	(439,705)	-60.79%	-60.79%	-60.79%	-60.49%	-60.49%	-60.49%	-60.49%	-59.65%	-59.65%	-59.65%
26200	2022	96,697	-	25,657	(25,657)	-26.53%	-56.75%	-56.75%	-56.75%	-56.50%	-56.50%	-56.50%	-56.50%	-55.83%	-55.83%
26300	2003	-	-	-	-	NA									
26300	2004	-	-	-	-	NA	NA								
26300	2005	-	-	-	-	NA	NA	NA							
26300	2006	-	-	-	-	NA	NA	NA	NA						

[illegible]

PIEDMONT NATURAL GAS - SYSTEM
NET SALVAGE HISTORY
DEPRECIATION STUDY AS OF DECEMBER 31, 2022

Account	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
26350	2014	1,228,128	149,966	815,883	(665,917)	-54.22%	-54.22%	-54.22%	-54.22%	-54.22%	-54.22%	-54.22%	-54.22%	-54.22%	-54.22%
26350	2015	176,476	-	114,623	(114,623)	-64.95%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%
26350	2016	-	-	-	-	NA	-64.95%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%
26350	2017	-	-	-	-	NA	NA	-64.95%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%
26350	2018	-	-	-	-	NA	NA	NA	-64.95%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%	-55.57%
26350	2019	16,566	-	-	-	0.00%	0.00%	0.00%	0.00%	-59.38%	-54.92%	-54.92%	-54.92%	-54.92%	-54.92%
26350	2020	17,559	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-54.43%	-54.25%	-54.25%	-54.25%	-54.25%
26350	2021	737,169	-	184,507	(184,507)	-25.03%	-24.45%	-23.92%	-23.92%	-23.92%	-23.92%	-31.56%	-44.35%	-44.35%	-44.35%
26350	2022	266,998	-	46,407	(46,407)	-17.38%	-23.00%	-22.60%	-22.24%	-22.24%	-22.24%	-22.24%	-28.44%	-41.40%	-41.40%
26520	2003	-	-	-	-	NA									
26520	2004	-	-	-	-	NA	NA								
26520	2005	-	-	-	-	NA	NA	NA							
26520	2006	-	-	-	-	NA	NA	NA	NA						
26520	2007	-	-	-	-	NA	NA	NA	NA	NA					
26520	2008	-	-	-	-	NA	NA	NA	NA	NA	NA				
26520	2009	-	-	-	-	NA	NA	NA	NA	NA	NA	NA			
26520	2010	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA		
26520	2011	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	
26520	2012	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26520	2013	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26520	2014	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26520	2015	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26520	2016	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26520	2017	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26520	2018	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26520	2019	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26520	2020	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26520	2021	-	255,950	(8,803)	264,753	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26520	2022	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26610	2015	4,312,087	-	338,925	(338,925)	-7.86%									
26610	2016	-	-	-	-	NA	-7.86%								
26610	2017	-	-	-	-	NA	NA	-7.86%							
26610	2018	-	-	-	-	NA	NA	NA	-7.86%						
26610	2019	-	-	-	-	NA	NA	NA	NA	-7.86%					
26610	2020	-	-	-	-	NA	NA	NA	NA	NA	-7.86%				
26610	2021	123,195	-	8,856	(8,856)	-7.19%	-7.19%	-7.19%	-7.19%	-7.19%	-7.19%	-7.84%			
26610	2022	71,939	-	1,452	(1,452)	-2.02%	-5.28%	-5.28%	-5.28%	-5.28%	-5.28%	-5.28%	-7.75%		
26620	2015	75,556	-	107,452	(107,452)	-142.22%									
26620	2016	15,005	-	118,971	(118,971)	-792.90%	-250.02%								
26620	2017	-	-	-	-	NA	-792.90%	-250.02%							
26620	2018	22,918	-	3,131	(3,131)	-13.66%	-13.66%	-321.98%	-202.29%						
26620	2019	-	-	-	-	NA	-13.66%	-13.66%	-321.98%	-202.29%					

	Activity		Gross	Cost of	Net	Net	2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr
Account	Year	Retirement	Salvage	Removal	Salvage	Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
26620	2020	-	-	-	-	NA	NA	-13.66%	-13.66%	-321.98%	-202.29%				
26620	2021	143,864	-	-	-	0.00%	0.00%	0.00%	-1.88%	-1.88%	-67.17%	-89.20%			
26620	2022	-	-	-	-	NA	0.00%	0.00%	0.00%	-1.88%	-1.88%	-67.17%	-89.20%		
26700	2003	-	-	-	-	NA									
26700	2004	654,190	-	-	-	0.00%	0.00%								
26700	2005	67,577	-	1,404	(1,404)	-2.08%	-0.19%	-0.19%							
26700	2006	-	-	-	-	NA	-2.08%	-0.19%	-0.19%						
26700	2007	1,503,738	-	16,738	(16,738)	-1.11%	-1.11%	-1.15%	-0.82%	-0.82%					
26700	2008	-	-	16,588	(16,588)	NA	-2.22%	-2.22%	-2.21%	-1.56%	-1.56%				
26700	2009	249	-	-	-	0.00%	-6659.52%	-2.22%	-2.22%	-2.21%	-1.56%	-1.56%			
26700	2010	-	-	-	-	NA	0.00%	-6659.52%	-2.22%	-2.22%	-2.21%	-1.56%	-1.56%		
26700	2011	42,711	-	-	-	0.00%	0.00%	0.00%	-38.61%	-2.15%	-2.15%	-2.15%	-1.53%	-1.53%	
26700	2012	197,347	-	7,479	(7,479)	-3.79%	-3.12%	-3.12%	-3.11%	-10.02%	-2.34%	-2.34%	-2.33%	-1.71%	-1.71%
26700	2013	16,071	-	467	(467)	-2.90%	-3.72%	-3.10%	-3.10%	-9.57%	-2.34%	-2.34%	-2.34%	-2.33%	-1.72%
26700	2014	-	-	9,195	(9,195)	NA	-60.12%	-8.03%	-6.69%	-6.69%	-6.69%	-13.16%	-2.87%	-2.87%	-2.84%
26700	2015	243,613	1,000	383,008	(382,008)	-156.81%	-160.58%	-150.83%	-87.34%	-79.87%	-79.87%	-79.83%	-83.15%	-21.58%	-21.58%
26700	2016	2,833,376	-	1,097,316	(1,097,316)	-38.73%	-48.08%	-48.38%	-48.14%	-45.48%	-44.90%	-44.90%	-44.89%	-45.39%	-31.63%
26700	2017	108,915	-	2,251,764	(2,251,764)	-2067.45%	-113.83%	-117.11%	-117.40%	-116.83%	-110.26%	-108.90%	-108.90%	-108.89%	-109.37%
26700	2018	433,173	-	272,107	(272,107)	-62.82%	-465.58%	-107.28%	-110.61%	-110.87%	-110.39%	-104.90%	-103.75%	-103.75%	-103.74%
26700	2019	407,778	-	-	-	0.00%	-32.36%	-265.71%	-95.72%	-99.41%	-99.64%	-99.26%	-94.81%	-93.87%	-93.87%
26700	2020	12,813,555	(88,158)	4,839,658	(4,927,816)	-38.46%	-37.27%	-38.08%	-54.14%	-51.51%	-53.03%	-53.09%	-53.04%	-52.47%	-52.34%
26700	2021	7,075,538	(17,425)	8,223,653	(8,241,077)	-116.47%	-66.21%	-64.88%	-64.84%	-75.30%	-70.93%	-71.80%	-71.84%	-71.79%	-71.24%
26700	2022	9,765,737	1,116	6,702,385	(6,701,269)	-68.62%	-88.72%	-67.00%	-66.10%	-66.05%	-73.17%	-70.25%	-70.88%	-70.91%	-70.87%
26800	2003	-	-	-	-	NA									
26800	2004	-	-	-	-	NA	NA								
26800	2005	-	-	-	-	NA	NA	NA							
26800	2006	-	-	-	-	NA	NA	NA	NA						
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Account	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
26900	2003	-	-	-	-	NA									
26900	2004	-	-	-	-	NA	NA								
26900	2005	-	-	-	-	NA	NA	NA							
26900	2006	-	-	7,948	(7,948)	NA	NA	NA	NA						
26900	2007	-	-	2,247	(2,247)	NA	NA	NA	NA	NA					
26900	2008	-	-	-	-	NA	NA	NA	NA	NA	NA				
26900	2009	14,562	-	-	-	0.00%	0.00%	-15.43%	-70.02%	-70.02%	-70.02%	-70.02%			
26900	2010	-	-	-	-	NA	0.00%	0.00%	-15.43%	-70.02%	-70.02%	-70.02%	-70.02%		
26900	2011	-	-	-	-	NA	NA	0.00%	0.00%	-15.43%	-70.02%	-70.02%	-70.02%	-70.02%	
26900	2012	-	-	-	-	NA	NA	NA	0.00%	0.00%	-15.43%	-70.02%	-70.02%	-70.02%	-70.02%
26900	2013	-	-	-	-	NA	NA	NA	NA	0.00%	0.00%	-15.43%	-70.02%	-70.02%	-70.02%
26900	2014	10,689	-	742	(742)	-6.94%	-6.94%	-6.94%	-6.94%	-6.94%	-2.94%	-2.94%	-11.84%	-43.32%	-43.32%
26900	2015	-	-	-	-	NA	-6.94%	-6.94%	-6.94%	-6.94%	-6.94%	-2.94%	-2.94%	-11.84%	-43.32%
26900	2016	-	-	34,397	(34,397)	NA	NA	-328.73%	-328.73%	-328.73%	-328.73%	-328.73%	-139.16%	-139.16%	-148.06%
26900	2017	-	-	-	-	NA	NA	NA	-328.73%	-328.73%	-328.73%	-328.73%	-328.73%	-139.16%	-139.16%
26900	2018	30,212	-	-	-	0.00%	0.00%	-113.85%	-113.85%	-85.91%	-85.91%	-85.91%	-85.91%	-85.91%	-63.35%
26900	2019	419,788	-	407,962	(407,962)	-97.18%	-90.66%	-90.66%	-98.30%	-98.30%	-96.18%	-96.18%	-96.18%	-96.18%	-96.18%
26900	2020	2,714,597	-	253,533	(253,533)	-9.34%	-21.10%	-20.90%	-20.90%	-21.99%	-21.99%	-21.94%	-21.94%	-21.94%	-21.94%
26900	2021	2,446,894	(106)	1,257,663	(1,257,769)	-51.40%	-29.28%	-34.39%	-34.20%	-34.20%	-34.82%	-34.82%	-34.76%	-34.76%	-34.76%
26900	2022	2,771,785	(37)	56,680	(56,717)	-2.05%	-25.19%	-19.77%	-23.66%	-23.57%	-23.57%	-23.98%	-23.98%	-23.96%	-23.96%
27401	2003	-	-	-	-	NA									
27401	2004	-	-	-	-	NA	NA								
27401	2005	-	-	-	-	NA	NA	NA							
27401	2006	-	-	-	-	NA	NA	NA	NA						
27401	2007	-	-	-	-	NA	NA	NA	NA	NA					
27401	2008	-	-	-	-	NA	NA	NA	NA	NA	NA				
27401	2009	-	-	-	-	NA	NA	NA	NA	NA	NA	NA			
27401	2010	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA		
27401	2011	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	
27401	2012	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27401	2013	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27401	2014	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27401	2015	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27401	2016	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27401	2017	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27401	2018	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27401	2019	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27401	2020	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27401	2021	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27401	2022	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27500	2003	-	-	-	-	NA									
27500	2004	-	-	-	-	NA	NA								
27500	2005	-	-	-	-	NA	NA	NA							

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Account	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
27500	2006	73,813	94,479	4,426	90,053	122.00%	122.00%	122.00%	122.00%						
27500	2007	-	-	-	-	NA	122.00%	122.00%	122.00%	122.00%					
27500	2008	-	-	-	-	NA	NA	122.00%	122.00%	122.00%	122.00%				
27500	2009	-	-	8,700	(8,700)	NA	NA	NA	110.21%	110.21%	110.21%	110.21%			
27500	2010	-	-	12,572	(12,572)	NA	NA	NA	NA	93.18%	93.18%	93.18%	93.18%		
27500	2011	-	-	-	-	NA	NA	NA	NA	NA	93.18%	93.18%	93.18%	93.18%	
27500	2012	-	-	-	-	NA	NA	NA	NA	NA	NA	93.18%	93.18%	93.18%	93.18%
27500	2013	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	93.18%	93.18%	93.18%
27500	2014	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	93.18%	93.18%
27500	2015	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.18%
27500	2016	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27500	2017	177	-	50	(50)	-28.02%	-28.02%	-28.02%	-28.02%	-28.02%	-28.02%	-28.02%	-7136.47%	-12055.61%	-12055.61%
27500	2018	-	-	-	-	NA	-28.02%	-28.02%	-28.02%	-28.02%	-28.02%	-28.02%	-28.02%	-7136.47%	-12055.61%
27500	2019	10,633	-	-	-	0.00%	0.00%	-0.46%	-0.46%	-0.46%	-0.46%	-0.46%	-0.46%	-0.46%	-116.76%
27500	2020	2,880	-	-	-	0.00%	0.00%	0.00%	-0.36%	-0.36%	-0.36%	-0.36%	-0.36%	-0.36%	-0.36%
27500	2021	842	-	129,554	(129,554)	-15381.16%	-3480.21%	-902.45%	-902.45%	-891.80%	-891.80%	-891.80%	-891.80%	-891.80%	-891.80%
27500	2022	-	-	-	-	NA	-15381.16%	-3480.21%	-902.45%	-902.45%	-891.80%	-891.80%	-891.80%	-891.80%	-891.80%
27600	2003	894,025	-	518,368	(518,368)	-57.98%									
27600	2004	1,083,950	-	278,741	(278,741)	-25.72%	-40.30%								
27600	2005	1,062,966	-	104,082	(104,082)	-9.79%	-17.83%	-29.64%							
27600	2006	1,536,823	-	69,423	(69,423)	-4.52%	-6.67%	-12.28%	-21.20%						
27600	2007	441,327	-	62,715	(62,715)	-14.21%	-6.68%	-7.77%	-12.48%	-20.59%					
27600	2008	512,185	-	61,739	(61,739)	-12.05%	-13.05%	-7.79%	-8.39%	-12.44%	-19.80%				
27600	2009	340,468	-	238,212	(238,212)	-69.97%	-35.18%	-28.03%	-15.26%	-13.77%	-16.37%	-22.71%			
27600	2010	226,439	-	49,915	(49,915)	-22.04%	-50.82%	-32.42%	-27.14%	-15.77%	-14.22%	-16.62%	-22.68%		
27600	2011	2,023,298	-	42,152	(42,152)	-2.08%	-4.09%	-12.75%	-12.64%	-12.83%	-10.32%	-10.23%	-12.55%	-17.55%	
27600	2012	1,080,406	-	329,416	(329,416)	-30.49%	-11.97%	-12.66%	-17.97%	-17.25%	-16.96%	-13.85%	-13.26%	-14.88%	-19.07%
27600	2013	1,424,219	-	261,131	(261,131)	-18.34%	-23.58%	-13.97%	-14.36%	-18.07%	-17.52%	-17.28%	-14.70%	-14.09%	-15.39%
27600	2014	636,469	-	275,180	(275,180)	-43.24%	-26.03%	-27.56%	-17.58%	-17.77%	-20.87%	-20.14%	-19.75%	-16.91%	-16.09%
27600	2015	1,368,992	-	513,075	(513,075)	-37.48%	-39.31%	-30.60%	-30.57%	-21.75%	-21.76%	-24.07%	-23.26%	-22.77%	-19.84%
27600	2016	1,783,219	-	347,582	(347,582)	-19.49%	-27.30%	-29.98%	-26.80%	-27.43%	-21.27%	-21.29%	-23.15%	-22.55%	-22.17%
27600	2017	1,218,274	-	319,325	(319,325)	-26.21%	-22.22%	-27.00%	-29.06%	-26.69%	-27.23%	-21.90%	-21.90%	-23.52%	-22.97%
27600	2018	3,893,761	(11,962)	2,339,975	(2,351,937)	-60.40%	-52.25%	-43.78%	-42.74%	-42.77%	-39.40%	-38.56%	-33.06%	-32.88%	-33.78%
27600	2019	5,043,579	(92,124)	2,088,482	(2,180,606)	-43.24%	-50.71%	-47.78%	-42.94%	-42.93%	-42.94%	-40.66%	-39.99%	-35.84%	-35.67%
27600	2020	5,227,005	(129,831)	3,584,997	(3,714,827)	-71.07%	-57.40%	-58.23%	-55.69%	-51.93%	-50.86%	-50.61%	-48.38%	-47.49%	-43.61%
27600	2021	5,416,554	(70,032)	5,584,215	(5,654,247)	-104.39%	-88.03%	-73.63%	-71.00%	-68.37%	-64.51%	-62.97%	-62.46%	-60.04%	-58.86%
27600	2022	9,093,386	(368)	1,327,556	(1,327,924)	-14.60%	-48.12%	-54.20%	-51.97%	-53.11%	-52.02%	-50.18%	-49.66%	-49.54%	-48.27%
27800	2003	4,960	-	7,316	(7,316)	-147.52%									
27800	2004	160,713	6,000	289	5,711	3.55%	-0.97%								
27800	2005	-	-	1,996	(1,996)	NA	2.31%	-2.17%							
27800	2006	9,710	-	3,219	(3,219)	-33.15%	-53.71%	0.29%	-3.89%						
27800	2007	-	-	12,547	(12,547)	NA	-162.37%	-182.93%	-7.07%	-11.04%					
27800	2008	-	-	709	(709)	NA	NA	-169.68%	-190.23%	-7.49%	-11.45%				
27800	2009	990,495	350	(11,663)	12,013	1.21%	1.14%	-0.13%	-0.45%	-0.65%	-0.06%	-0.69%			

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27800	2010	-	-	4,548	(4,548)	NA	0.75%	0.68%	-0.58%	-0.90%	-1.10%	-0.46%	-1.08%		
27800	2011	-	-	-	-	NA	NA	0.75%	0.68%	-0.58%	-0.90%	-1.10%	-0.46%	-1.08%	
27800	2012	-	-	9,124	(9,124)	NA	NA	NA	-0.17%	-0.24%	-1.51%	-1.81%	-2.01%	-1.24%	-1.86%
27800	2013	-	-	3,084	(3,084)	NA	NA	NA	NA	-0.48%	-0.55%	-1.82%	-2.12%	-2.32%	-1.51%
27800	2014	-	-	1,581	(1,581)	NA	NA	NA	NA	NA	-0.64%	-0.71%	-1.98%	-2.28%	-2.48%
27800	2015	35,992	-	150,011	(150,011)	-416.79%	-421.19%	-429.75%	-455.10%	-455.10%	-467.74%	-15.23%	-15.30%	-16.52%	-16.68%
27800	2016	181,791	-	154,402	(154,402)	-84.93%	-139.78%	-140.50%	-141.92%	-146.11%	-146.11%	-148.20%	-25.72%	-25.78%	-26.81%
27800	2017	64,243	-	17,582	(17,582)	-27.37%	-69.90%	-114.17%	-114.73%	-115.83%	-119.06%	-119.06%	-120.67%	-25.80%	-25.86%
27800	2018	135,555	-	13,380	(13,380)	-9.87%	-15.50%	-48.58%	-80.31%	-80.69%	-81.43%	-83.62%	-83.62%	-84.71%	-24.27%
27800	2019	202,074	(170)	82,721	(82,892)	-41.02%	-28.51%	-28.33%	-45.96%	-67.50%	-67.76%	-68.25%	-69.73%	-69.73%	-70.46%
27800	2020	1,098,848	(227)	314,701	(314,928)	-28.66%	-30.58%	-28.63%	-28.57%	-34.66%	-42.66%	-42.76%	-42.94%	-43.47%	-43.47%
27800	2021	2,714,004	(454)	1,046,326	(1,046,780)	-38.57%	-35.71%	-35.98%	-35.13%	-35.01%	-37.07%	-40.16%	-40.19%	-40.26%	-40.47%
27800	2022	558,026	18,978	1,043,565	(1,024,587)	-183.61%	-63.31%	-54.60%	-54.00%	-52.73%	-52.38%	-53.58%	-56.20%	-56.23%	-56.29%
27900	2003	-	-	-	-	NA									
27900	2004	-	-	-	-	NA	NA								
27900	2005	93,103	-	900	(900)	-0.97%	-0.97%	-0.97%							
27900	2006	-	-	18,153	(18,153)	NA	-20.46%	-20.46%	-20.46%						
27900	2007	-	-	2,432	(2,432)	NA	NA	-23.08%	-23.08%	-23.08%					
27900	2008	-	-	743	(743)	NA	NA	NA	-23.88%	-23.88%	-23.88%				
27900	2009	834,472	-	2,130	(2,130)	-0.26%	-0.34%	-0.64%	-2.81%	-2.63%	-2.63%	-2.63%			
27900	2010	-	-	9,157	(9,157)	NA	-1.35%	-1.44%	-1.73%	-3.91%	-3.61%	-3.61%	-3.61%		
27900	2011	-	-	-	-	NA	NA	-1.35%	-1.44%	-1.73%	-3.91%	-3.61%	-3.61%	-3.61%	
27900	2012	3,095	-	18,160	(18,160)	-586.84%	-586.84%	-882.77%	-3.52%	-3.60%	-3.89%	-6.06%	-5.55%	-5.55%	-5.55%
27900	2013	-	-	6,973	(6,973)	NA	-812.19%	-812.19%	-1108.11%	-4.35%	-4.44%	-4.73%	-6.89%	-6.30%	-6.30%
27900	2014	-	-	631	(631)	NA	NA	-832.58%	-832.58%	-1128.51%	-4.42%	-4.51%	-4.80%	-6.97%	-6.37%
27900	2015	685,486	-	44,459	(44,459)	-6.49%	-6.58%	-7.60%	-10.20%	-10.20%	-11.53%	-5.35%	-5.40%	-5.56%	-6.75%
27900	2016	259,389	-	88,946	(88,946)	-34.29%	-14.12%	-14.19%	-14.92%	-16.79%	-16.79%	-17.76%	-9.56%	-9.60%	-9.74%
27900	2017	52,598	-	9,885	(9,885)	-18.79%	-31.68%	-14.37%	-14.43%	-15.13%	-16.90%	-16.90%	-17.81%	-9.83%	-9.87%
27900	2018	192,060	-	3,075	(3,075)	-1.60%	-5.30%	-20.22%	-12.30%	-12.36%	-12.94%	-14.43%	-14.43%	-15.20%	-9.05%
27900	2019	864,456	-	255,540	(255,540)	-29.56%	-24.48%	-24.21%	-26.12%	-19.57%	-19.60%	-19.94%	-20.79%	-20.79%	-21.24%
27900	2020	1,187,751	(13)	729,352	(729,364)	-61.41%	-47.99%	-44.02%	-43.44%	-42.52%	-34.90%	-34.92%	-35.13%	-35.66%	-35.66%
27900	2021	899,951	(879)	407,970	(408,849)	-45.43%	-54.52%	-47.21%	-44.43%	-44.00%	-43.27%	-37.19%	-37.20%	-37.37%	-37.78%
27900	2022	924,753	(517)	1,430,540	(1,431,056)	-154.75%	-100.83%	-85.29%	-72.86%	-69.50%	-68.85%	-66.81%	-58.64%	-58.66%	-58.79%
28000	2003	1,281,615	-	673,067	(673,067)	-52.52%									
28000	2004	1,629,893	-	1,072,357	(1,072,357)	-65.79%	-59.95%								
28000	2005	2,249,482	-	1,078,065	(1,078,065)	-47.93%	-55.43%	-54.71%							
28000	2006	2,512,732	-	1,167,273	(1,167,273)	-46.45%	-47.15%	-51.90%	-52.01%						
28000	2007	1,197,358	-	1,580,465	(1,580,465)	-132.00%	-74.06%	-64.20%	-64.54%	-62.80%					
28000	2008	1,074,143	-	1,279,680	(1,279,680)	-119.14%	-125.91%	-84.18%	-72.59%	-71.31%	-68.89%				
28000	2009	958,894	-	1,274,652	(1,274,652)	-132.93%	-125.64%	-128.00%	-92.32%	-79.83%	-77.45%	-74.52%			
28000	2010	704,881	-	1,096,028	(1,096,028)	-155.49%	-142.49%	-133.33%	-132.92%	-99.23%	-85.96%	-82.78%	-79.43%		
28000	2011	3,510,674	-	1,473,326	(1,473,326)	-41.97%	-60.95%	-74.29%	-82.00%	-90.04%	-79.04%	-73.31%	-72.42%	-70.74%	
28000	2012	3,226,930	76,763	1,642,823	(1,566,060)	-48.53%	-45.11%	-55.56%	-64.39%	-70.60%	-77.49%	-71.57%	-68.13%	-67.90%	-66.83%
28000	2013	2,913,691	-	2,125,723	(2,125,723)	-72.96%	-60.12%	-53.52%	-60.46%	-66.60%	-71.15%	-76.52%	-71.82%	-68.89%	-68.64%

	Activity		Gross	Cost of	Net	Net	2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr
Account	Year	Retirement	Salvage	Removal	Salvage	Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
28000	2014	3,604,208	-	3,425,826	(3,425,826)	-95.05%	-85.17%	-73.04%	-64.81%	-69.39%	-73.47%	-76.54%	-80.40%	-76.07%	-73.19%
28000	2015	4,060,636	-	4,892,786	(4,892,786)	-120.49%	-108.53%	-98.73%	-87.00%	-77.87%	-80.90%	-83.53%	-85.44%	-88.06%	-83.66%
28000	2016	4,601,145	-	4,872,495	(4,872,495)	-105.90%	-112.74%	-107.54%	-100.90%	-91.72%	-83.75%	-85.99%	-87.90%	-89.26%	-91.24%
28000	2017	4,024,241	-	5,381,812	(5,381,812)	-133.73%	-118.89%	-119.40%	-114.01%	-107.78%	-99.26%	-91.51%	-93.20%	-94.58%	-95.50%
28000	2018	4,531,273	-	-	-	0.00%	-62.90%	-77.94%	-87.98%	-89.20%	-87.21%	-82.58%	-77.90%	-79.65%	-81.24%
28000	2019	5,113,129	-	-	-	0.00%	0.00%	-39.37%	-56.13%	-67.83%	-71.61%	-71.75%	-69.41%	-66.71%	-68.43%
28000	2020	3,236,983	(155,568)	11,000,903	(11,156,471)	-344.66%	-133.61%	-86.61%	-97.83%	-99.55%	-102.88%	-101.91%	-99.28%	-94.64%	-89.88%
28000	2021	2,201,533	(154,986)	16,566,500	(16,721,487)	-759.54%	-512.60%	-264.20%	-184.83%	-174.07%	-160.84%	-154.94%	-148.06%	-141.68%	-133.66%
28000	2022	4,313,655	(4,869)	336,657	(341,526)	-7.92%	-261.90%	-289.37%	-189.83%	-145.49%	-143.47%	-137.30%	-135.17%	-131.12%	-126.73%
28100 (Commercial & Industrial and Residential)															
28100	2003	-	-	-	-	NA									
28100	2004	-	-	-	-	NA	NA								
28100	2005	-	500	-	500	NA	NA	NA							
28100	2006	-	(500)	-	(500)	NA	NA	NA	NA						
28100	2007	-	-	-	-	NA	NA	NA	NA	NA					
28100	2008	-	-	-	-	NA	NA	NA	NA	NA	NA				
28100	2009	13,498,840	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
28100	2010	3,437,794	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%		
28100	2011	3,463,850	40,810	13,856	26,954	0.78%	0.39%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	
28100	2012	3,084,685	71,045	79,431	(8,385)	-0.27%	0.28%	0.19%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%
28100	2013	3,095,234	94,259	93,546	713	0.02%	-0.12%	0.20%	0.15%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
28100	2014	2,617,340	81,106	58,490	22,616	0.86%	0.41%	0.17%	0.34%	0.27%	0.14%	0.14%	0.14%	0.14%	0.14%
28100	2015	2,609,942	56,820	84,117	(27,297)	-1.05%	-0.09%	-0.05%	-0.11%	0.10%	0.08%	0.05%	0.05%	0.05%	0.04%
28100	2016	3,088,347	68,143	86,098	(17,955)	-0.58%	-0.79%	-0.27%	-0.19%	-0.21%	-0.02%	-0.02%	-0.01%	-0.01%	-0.01%
28100	2017	2,509,605	30,067	97,496	(67,429)	-2.69%	-1.53%	-1.37%	-0.83%	-0.64%	-0.57%	-0.35%	-0.30%	-0.19%	-0.19%
28100	2018	3,230,336	-	-	-	0.00%	-1.17%	-0.97%	-0.99%	-0.64%	-0.52%	-0.48%	-0.30%	-0.26%	-0.17%
28100	2019	7,138,506	-	-	-	0.00%	0.00%	-0.52%	-0.53%	-0.61%	-0.42%	-0.37%	-0.36%	-0.23%	-0.21%
28100	2020	4,541,069	(14)	(12,982)	12,967	0.29%</									

	Activity		Gross	Cost of	Net	Net	2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr
Account	Year	Retirement	Salvage	Removal	Salvage	Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
28105	2010	64,841	-	-	-	0.00%									
28105	2011	728	-	26,721	(26,721)	-3670.73%	-40.75%								
28105	2012	2,375,404	4,724	12,853	(8,129)	-0.34%	-1.47%	-1.43%							
28105	2013	394,727	-	9,426	(9,426)	-2.39%	-0.63%	-1.60%	-1.56%						
28105	2014	242,101	-	4,173	(4,173)	-1.72%	-2.14%	-0.72%	-1.61%	-1.57%					
28105	2015	530,217	-	14,086	(14,086)	-2.66%	-2.36%	-2.37%	-1.01%	-1.76%	-1.73%				
28105	2016	-	-	-	-	NA	-2.66%	-2.36%	-2.37%	-1.01%	-1.76%	-1.73%			
28105	2017	1,016,149	-	2,328	(2,328)	-0.23%	-0.23%	-1.06%	-1.15%	-1.37%	-0.84%	-1.42%	-1.40%		
28105	2018	601,606	-	-	-	0.00%	-0.14%	-0.14%	-0.76%	-0.86%	-1.08%	-0.74%	-1.26%	-1.24%	
28105	2019	524,103	-	-	-	0.00%	0.00%	-0.11%	-0.11%	-0.61%	-0.71%	-0.91%	-0.67%	-1.14%	-1.13%
28105	2020	-	-	-	-	NA	0.00%	0.00%	-0.11%	-0.11%	-0.61%	-0.71%	-0.91%	-0.67%	-1.14%
28105	2021	-	-	-	-	NA	NA	0.00%	0.00%	-0.11%	-0.11%	-0.61%	-0.71%	-0.91%	-0.67%
28105	2022	76,584	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-0.10%	-0.10%	-0.60%	-0.69%	-0.89%
28200	2003	-	-	-	-	NA									
28200	2004	-	-	-	-	NA	NA								
28200	2005	-	-	-	-	NA	NA	NA							
28200	2006	-	-	-	-	NA	NA	NA	NA						
28200	2007	-	-	-	-	NA	NA	NA	NA	NA					
28200	2008	-	-	-	-	NA	NA	NA	NA	NA	NA				
28200	2009	-	-	-	-	NA	NA	NA	NA	NA	NA	NA			
28200	2010	5,442,767	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
28200	2011	1,057,383	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28200	2012	947,389	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28200	2013	944,654	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28200	2014	801,032	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28200	2015	788,629	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28200	2016	930,592	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28200	2017	751,469	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28200	2018	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28200	2019	-	-	-	-	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28200	2020	3,039,841	394	1,986	(1,592)	-0.05%	-0.05%	-0.05%	-0.04%	-0.03%	-0.03%	-0.03%	-0.02%	-0.02%	-0.02%
28200	2021	-	-	-	-	NA	-0								

Activity		Gross	Cost of	Net	Net	2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr
Account	Year	Retirement	Salvage	Removal	Salvage	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
28300	2012	490,930	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28300	2013	490,053	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28300	2014	414,795	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28300	2015	408,417	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28300	2016	481,938	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28300	2017	389,172	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28300	2018	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28300	2019	-	-	-	-	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28300	2020	-	-	-	-	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28300	2021	3,842,314	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28300	2022	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28400	2003	-	-	-	-	NA								
28400	2004	-	-	-	-	NA	NA							
28400	2005	-	-	-	-	NA	NA	NA						
28400	2006	-	-	-	-	NA	NA	NA	NA					
28400	2007	-	-	-	-	NA	NA	NA	NA	NA				
28400	2008	-	-	-	-	NA	NA	NA	NA	NA	NA			
28400	2009	-	-	-	-	NA	NA	NA	NA	NA	NA	NA		
28400	2010	644,797	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
28400	2011	120,493	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28400	2012	109,597	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28400	2013	108,247	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28400	2014	93,228	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28400	2015	91,698	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28400	2016	108,205	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28400	2017	87,377	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28400	2018	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28400	2019	-	-	-	-	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28400	2020	-	-	-	-	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28400	2021	-	-	-	-	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
28400	2022	-	-	-	-	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
282-284 C	1988	-	-	-	-	NA								
282-284 C	1989	-	-	-	-	NA	NA							
282-284 C	1990	-	-	-	-	NA	NA</							

Activity		2019					2020		2021		2022		2023		2024	
Account	Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %	
282-284 C	2001	1,520,735	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
282-284 C	2002	1,228,018	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
282-284 C	2003	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
282-284 C	2019	-	-	-	-	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
282-284 C	2020	3,039,841	394	1,986	(1,592)	-0.05%	-0.05%	-0.05%	-0.04%	-0.03%	-0.02%	-0.02%	-0.02%	-0.01%	-0.01%	
282-284 C	2021	3,842,314	-	-	-	0.00%	-0.02%	-0.02%	-0.02%	-0.02%	-0.02%	-0.01%	-0.01%	-0.01%	-0.01%	
282-284 C	2022	-	-	-	-	NA	0.00%	-0.02%	-0.02%	-0.02%	-0.02%	-0.02%	-0.01%	-0.01%	-0.01%	
28500	2003	27,055	-	1,784	(1,784)	-6.59%										
28500	2004	218,296	-	2,188	(2,188)	-1.00%	-1.62%									
28500	2005	54,706	-	2,443	(2,443)	-4.47%	-1.70%	-2.14%								
28500	2006	106,533	-	11,970	(11,970)	-11.24%	-8.94%	-4.37%	-4.52%							
28500	2007	-	-	22,376	(22,376)	NA	-32.24%	-22.82%	-10.27%	-10.03%						
28500	2008	-	-	3,814	(3,814)	NA	NA	-35.82%	-25.18%	-11.27%	-10.96%					
28500	2009	210,515	-	27,779	(27,779)	-13.20%	-15.01%	-25.64%	-20.80%	-18.39%	-11.96%	-11.72%				
28500	2010	10,688	-	2,631	(2,631)	-24.62%	-13.75%	-15.47%	-25.59%	-20.92%	-18.57%		-11.94%			
28500	2011	-	-	-	-	NA	-24.62%	-13.75%	-15.47%	-25.59%	-20.92%	-18.57%	-12.19%	-11.94%		
28500	2012	32,833	1,567	58,726	(57,159)	-174.09%	-174.09%	-137.38%	-34.47%	-35.97%	-44.78%	-34.87%	-30.86%	-20.58%	-20.00%	
28500	2013	18,654	-	19,017	(19,017)	-101.94%	-147.95%	-147.95%	-126.75%	-39.09%	-40.49%	-48.69%	-38.17%	-33.92%	-22.90%	
28500	2014	-	-	4,216	(4,216)	NA	-124.55%	-156.14%	-156.14%	-133.53%	-40.63%	-42.03%	-50.24%	-39.28%	-34.89%	
28500	2015	-	-	302	(302)	NA	NA	-126.17%	-156.73%	-156.73%	-134.02%	-40.74%	-42.14%	-50.35%	-39.36%	
28500	2016	19,931	-	1,803	(1,803)	-9.05%	-10.57%	-31.72%	-65.67%	-115.51%	-115.51%	-103.68%	-38.59%	-39.89%	-47.54%	
28500	2017	2,023	-	1,634	(1,634)	-80.75%	-15.66%	-17.03%	-36.24%	-66.42%	-114.56%	-114.56%	-103.13%	-38.87%	-40.17%	
28500	2018	42,613	-	731	(731)	-1.72%	-5.30%	-6.46%	-6.92%	-13.45%	-33.29%	-73.12%	-73.12%	-69.03%	-34.18%	
28500	2019	117,616	(619)	22,410	(23,028)	-19.58%	-14.83%	-15.65%	-14.93%	-15.09%	-17.41%	-25.26%	-46.17%	-46.17%	-45.23%	
28500	2020	266,150	(234)	81,144	(81,379)	-30.58%	-27.21%	-24.66%	-24.92%	-24.22%	-24.29%	-25.23%	-28.29%	-37.87%	-37.87%	
28500	2021	322,341	(254)	133,257	(133,511)	-41.42%	-36.52%	-33.69%	-31.87%	-32.01%	-31.41%	-31.45%	-32.00%	-33.65%	-39.26%	
28500	2022	181,201	-	4,725	(4,725)	-2.61%	-27.45%	-28.53%	-27.35%	-26.17%	-26.29%	-25.93%				

PIEDMONT NATURAL GAS - SYSTEM
NET SALVAGE HISTORY
DEPRECIATION STUDY AS OF DECEMBER 31, 2022

Account	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
28700	2020	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28700	2021	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28700	2022	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29000	2003	24,971	-	44,764	(44,764)	-179.26%									
29000	2004	307,445	301,276	-	301,276	97.99%	77.17%								
29000	2005	9,010,375	4,246,232	131,890	4,114,342	45.66%	47.39%	46.78%							
29000	2006	156,732	323,480	23,216	300,264	191.58%	48.16%	49.77%	49.17%						
29000	2007	-	-	(870)	870	NA	192.13%	48.17%	49.78%	49.18%					
29000	2008	11,634,910	10,683,010	594,476	10,088,534	86.71%	86.72%	88.11%	69.72%	70.14%	69.84%				
29000	2009	432,755	220,210	1,439	218,771	50.55%	85.41%	85.42%	86.78%	69.33%	69.74%	69.45%			
29000	2010	1,026,695	565,738	(2,432)	568,170	55.34%	53.92%	83.05%	83.06%	84.34%	68.69%	69.09%	68.81%		
29000	2011	-	-	-	-	NA	55.34%	53.92%	83.05%	83.06%	84.34%	68.69%	69.09%	68.81%	
29000	2012	8,394	-	500	(500)	-5.96%	-5.96%	54.84%	53.58%	83.00%	83.00%	84.29%	68.66%	69.06%	68.78%
29000	2013	263,590	319,348	-	319,348	121.15%	117.23%	117.23%	68.30%	63.87%	83.75%	83.76%	85.01%	69.27%	69.66%
29000	2014	213,062	120,000	72,624	47,376	22.24%	76.94%	75.50%	75.50%	61.81%	59.30%	82.78%	82.79%	84.03%	68.83%
29000	2015	-	-	-	-	NA	22.24%	76.94%	75.50%	75.50%	61.81%	59.30%	82.78%	82.79%	84.03%
29000	2016	-	-	-	-	NA	NA	22.24%	76.94%	75.50%	75.50%	61.81%	59.30%	82.78%	82.79%
29000	2017	1,080	-	500	(500)	-46.29%	-46.29%	-46.29%	21.89%	76.66%	75.23%	75.23%	61.73%	59.25%	82.77%
29000	2018	59,507	-	-	-	0.00%	-0.83%	-0.83%	-0.83%	17.13%	68.17%	67.03%	67.03%	59.40%	57.49%
29000	2019	360,910	-	42,463	(42,463)	-11.77%	-10.10%	-10.19%	-10.19%	-10.19%	0.70%	36.05%	35.66%	35.66%	46.11%
29000	2020	2,835,445	-	355,006	(355,006)	-12.52%	-12.44%	-12.21%	-12.22%	-12.22%	-12.22%	-10.10%	-0.84%	-0.85%	-0.85%
29000	2021	4,685,071	(65)	1,750,707	(1,750,772)	-37.37%	-28.00%	-27.26%	-27.05%	-27.06%	-27.06%	-27.06%	-25.77%	-21.17%	-21.15%
29000	2022	3,558,929	1,661,975	234,020	1,427,955	40.12%	-3.92%	-6.12%	-6.30%	-6.26%	-6.27%	-6.27%	-6.27%	-5.75%	-2.96%
Now 29001 Leashold Improvements															
29010	2015	-	-	-	-	NA									
29010	2016	-	-	-	-	NA	NA								
29010	2017	519,306	-	-	-	0.00%	0.00%	0.00%							
29010	2018	-	-	-	-	NA	0.00%	0.00%	0.00%						
29010	2019	-	-	-	-	NA	NA	0.00%		0.00%					
29010	2020	-	-	-	-	NA	NA	NA	0.00%	0.00%	0.00%				
29010	2021	32,201	-	24,311	(24,311)	-75.50%	-75.50%	-75.50%	-75.50%	-4.41%	-4.41%	-4.41%			
29010	2022	5,170	-	100	(100)	-1.93%	-65.32%	-65.32%	-65.32%	-65.32%	-4.39%	-4.39%	-4.39%		
29002	2018	-	-	-	-	NA									
29002	2019	-	-	-	-	NA	NA								
29002	2020	-	-	-	-	NA	NA	NA							
29002	2021	1,132,541	-	48,150	(48,150)	-4.25%	-4.25%	-4.25%	-4.25%						
29002	2022	-	-	-	-	NA	-4.25%	-4.25%	-4.25%	-4.25%					
29100	2003	9,400	-	-	-	0.00%									
29100	2004	80,314	35	-	35	0.04%	0.04%								
29100	2005	20,084	-	-	-	0.00%	0.03%	0.03%							
29100	2006	3,364,494	-	-	-	0.00%	0.00%	0.00%	0.00%						

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Account	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
29102	2010	981,493	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
29102	2011	3,767,049	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29102	2012	1,073,371	-	1,050	(1,050)	-0.10%	-0.02%	-0.02%	-0.01%	-0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
29102	2013	377,059	-	-	-	0.00%	-0.07%	-0.02%	-0.02%	-0.01%	-0.01%	0.00%	0.00%	0.00%	0.00%
29102	2014	-	-	-	-	NA	0.00%	-0.07%	-0.02%	-0.02%	-0.01%	-0.01%	0.00%	0.00%	0.00%
29102	2015	478,032	-	-	-	0.00%	0.00%	0.00%	-0.05%	-0.02%	-0.02%	-0.01%	-0.01%	0.00%	0.00%
29102	2016	2,803,799	1,373	-	1,373	0.05%	0.04%	0.04%	0.04%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
29102	2017	3,532,490	-	-	-	0.00%	0.02%	0.02%	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%
29102	2018	930,094	-	-	-	0.00%	0.00%	0.02%	0.02%	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%
29102	2019	-	-	-	-	NA	0.00%	0.00%	0.02%	0.02%	0.02%	0.02%	0.00%	0.00%	0.00%
29102	2020	17,424,766	-	-	-	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%	0.01%	0.00%	0.00%
29102	2021	6,148,454	-	10,221	(10,221)	-0.17%	-0.04%	-0.04%	-0.04%	-0.04%	-0.03%	-0.03%	-0.03%	-0.03%	-0.03%
29102	2022	678,012	-	-	-	0.00%	-0.15%	-0.04%	-0.04%	-0.04%	-0.04%	-0.03%	-0.03%	-0.03%	-0.03%
29104	2019	17,233,651	-	-	-	0.00%									
29104	2020	-	-	-	-	NA	0.00%								
29104	2021	7,409,156	-	-	-	0.00%		0.00%							
29104	2022	-	-	-	-	NA	0.00%	0.00%	0.00%						
29105	2018	5,604,196	-	-	-	0.00%									
29200	2003	1,118,587	-	-	-	0.00%									
29200	2004	671,344	-	-	-	0.00%	0.00%								
29200	2005	334,639	-	-	-	0.00%	0.00%	0.00%							
29200	2006	196,102	-	-	-	0.00%	0.00%	0.00%	0.00%						
29200	2007	1,137,893	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%					
29200	2008	1,349,456	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
29200	2009	236,615	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
29200	2010	1,429,615	217,999	-	217,999	15.25%	13.08%	7.23%	5.25%	5.01%	4.65%	4.07%	3.37%		
29200	2011	4,396,454	503,178	-	503,178	11.45%	12.38%	11.90%	9.73%	8.43%	8.25%	7.94%	7.40%	6.63%	
29200	2012	1,492,053	350,400	-	350,400	23.48%	14.50%	14.64%	14.18%	12.03%	10.67%	10.47%	10.14%	9.53%	8.67%
29200	2013	2,805,239	637,709	-	637,709	22.73%	22.99%	17.15%	16.88%	16.50%	14.60%	13.30%	13.10%	12.78%	12.17%
29200	2014	2,105,780	614,915	-	614,915	29.20%	25.51%	25.04%	19.50%	19.01%	18.64%	16.82%	15.54%	15.34%	15.01%
29200	2015	-	-	-	-	NA	29.20%	25.51%	25.04%	19.50%	19.01%	18.64%	16.82%	15.54%	15.34%
29200	2016	4,087,510	1,122,186	-	1,122,186	27.45%	27.45%	28.05%	26.39%	25.98%	21.69%	21.12%	20.82%	19.25%	18.10%
29200	2017	1,940,263	475,520	-	475,520	24.51%	26.51%	26.51%	27.20%	26.06%	25.75%	22.01%	21.48%	21.21%	19.76%
29200	2018	1,245,091	124,490	-	124,490	10.00%	18.84%	23.68%	23.68%	24.92%	24.42%	24.31%	21.18%	20.75%	20.50%
29200	2019	-	-	-	-	NA	10.00%	18.84%	23.68%	23.68%	24.92%	24.42%	24.31%	21.18%	20.75%
29200	2020	-	-	-	-	NA	NA	10.00%	18.84%	23.68%	23.68%	24.92%	24.42%	24.31%	21.18%
29200	2021	-	-	-	-	NA	NA	NA	10.00%	18.84%	23.68%	23.68%	24.92%	24.42%	24.31%
29200	2022	-	-	-	-	NA	NA	NA	NA	10.00%	18.84%	23.68%	23.68%	24.92%	24.42%
29204	2010	-	-	-	-	NA									
29204	2011	137,492	138,044	-	138,044	100.40%	100.40%								

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29204	2012	25,543	(28,369)	-	(28,369)	-111.06%	67.27%	67.27%							
29204	2013	-	-	-	-	NA	-111.06%	67.27%	67.27%						
29204	2014	-	-	-	-	NA	NA	-111.06%	67.27%	67.27%					
29204	2015	-	-	-	-	NA	NA	NA	-111.06%	67.27%	67.27%				
29204	2016	57,574	29,649	-	29,649	51.50%	51.50%	51.50%	51.50%	1.54%	63.15%	63.15%			
29204	2017	-	-	-	-	NA	51.50%	51.50%	51.50%	51.50%	1.54%	63.15%	63.15%		
29204	2018	-	-	-	-	NA	NA	51.50%	51.50%	51.50%	1.54%	63.15%	63.15%		
29204	2019	25,543	-	-	-	0.00%	0.00%	0.00%	35.67%	35.67%	35.67%	35.67%	1.18%	56.60%	56.60%
29204	2020	-	-	-	-	NA	0.00%	0.00%	0.00%	35.67%	35.67%	35.67%	35.67%	1.18%	56.60%
29204	2021	-	-	-	-	NA	NA	0.00%	0.00%	0.00%	35.67%	35.67%	35.67%	35.67%	1.18%
29204	2022	-	3,915	-	3,915	NA	NA	NA	15.33%	15.33%	15.33%	40.38%	40.38%	40.38%	40.38%
29210	2010	-	-	-	-	NA									
29210	2011	-	-	-	-	NA	NA								
29210	2012	-	-	-	-	NA	NA	NA							
29210	2013	-	-	-	-	NA	NA	NA	NA						
29210	2014	-	-	-	-	NA	NA	NA	NA	NA					
29210	2015	-	-	-	-	NA	NA	NA	NA	NA	NA				
29210	2016	-	-	-	-	NA	NA	NA	NA	NA	NA	NA			
29210	2017	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA		
29210	2018	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	
29210	2019	416,352	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29210	2020	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29210	2021	33,618	10,583	-	10,583	31.48%	31.48%	2.35%	2.35%	2.35%	2.35%	2.35%	2.35%	2.35%	2.35%
29210	2022	-	19,208	-	19,208	NA	88.62%	88.62%	6.62%	6.62%	6.62%	6.62%	6.62%	6.62%	6.62%
Now 29242 1/2-3/4 (to be added to 29242)															
29211	2010	-	-	-	-	NA									
29211	2011	-	-	-	-	NA	NA								
29211	2012	-	-	-	-	NA	NA	NA							
29211	2013	-	-	-	-	NA	NA	NA	NA						
29211	2014	-	-	-	-	NA	NA	NA	NA	NA					
29211	2015	-	-	-	-	NA	NA	NA	NA	NA	NA				
29211	2016	-	-	-	-	NA	NA	NA	NA	NA	NA	NA			
29211	2017	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA		
29211	2018	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	
29211	2019	716,170	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29211	2020	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29211	2021	-	-	-	-	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29211	2022	-	-	-	-	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Now 29243															
29213	2010	-	-	-	-	NA									
29213	2011	-	-	-	-	NA	NA								
29213	2012	-	-	-	-	NA	NA	NA							
29213	2013	-	-	-	-	NA	NA	NA	NA						
29213	2014	-	-	-	-	NA	NA	NA	NA	NA					

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29213	2015	-	-	-	-	NA	NA	NA	NA	NA	NA				
29213	2016	-	-	-	-	NA	NA	NA	NA	NA	NA	NA			
29213	2017	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA		
29213	2018	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	
29213	2019	57,856	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29213	2020	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29213	2021	-	-	-	-	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29213	2022	-	-	-	-	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29240	2009	-	-	-	-	NA									
29240	2010	22,879	6,822	-	6,822	29.82%	29.82%								
29240	2011	327,389	46,113	-	46,113	14.08%	15.11%	15.11%							
29240	2012	176,553	43,796	-	43,796	24.81%	17.84%	18.36%	18.36%						
29240	2013	63,595	8,125	-	8,125	12.78%	21.62%	17.27%	17.76%	17.76%					
29240	2014	-	-	-	-	NA	12.78%	21.62%	17.27%	17.76%	17.76%				
29240	2015	-	-	-	-	NA	NA	12.78%	21.62%	17.27%	17.76%	17.76%			
29240	2016	25,351	6,307	-	6,307	24.88%	24.88%	24.88%	16.22%	21.93%	17.60%	18.05%	18.05%		
29240	2017	-	-	-	-	NA	24.88%	24.88%	24.88%	16.22%	21.93%	17.60%	18.05%	18.05%	
29240	2018	-	-	-	-	NA	NA	24.88%	24.88%	24.88%	16.22%	21.93%	17.60%	18.05%	18.05%
29240	2019	-	-	-	-	NA	NA	NA	24.88%	24.88%	24.88%	16.22%	21.93%	17.60%	18.05%
29240	2020	-	-	-	-	NA	NA	NA	NA	24.88%	24.88%	24.88%	16.22%	21.93%	17.60%
29240	2021	-	-	-	-	NA	NA	NA	NA	NA	24.88%	24.88%	24.88%	16.22%	21.93%
29240	2022	-	-	-	-	NA	NA	NA	NA	NA	NA	24.88%	24.88%	24.88%	16.22%
29241	2019	-	-	-	-	NA									
29241	2020	-	-	-	-	NA	NA								
29241	2021	1,090,823	767,059	(16,476)	783,536	71.83%	71.83%	71.83%							
29241	2022	-	16,380	-	16,380	NA	73.33%	73.33%	73.33%						
Includes 29211															
29242	2019	3,859,581	-	-	-	0.00%									
29242	2020	115,843	-	-	-	0.00%	0.00%								
29242	2021	3,236,703	976,628	(34,033)	1,010,660	31.22%	30.15%	14.01%							
29242	2022	-	640,562	-	640,562	NA	51.02%	49.25%	22.90%						
Includes TN 29213															
29243	2019	405,820	-	-	-	0.00%									
29243	2020	-	-	-	-	NA	0.00%								
29243	2021	935,258	287,633	(1,815)	289,448	30.95%	30.95%	21.58%							
29243	2022	-	29,289	-	29,289	NA	34.08%	34.08%	23.77%						
29244	2019	9,355	-	-	-	0.00%									
29244	2020	26,792	-	-	-	0.00%	0.00%								
29244	2021	17,931	95,757	(40,967)	136,725	762.50%	305.71%	252.82%							
29244	2022	-	-	-	-	NA	762.50%	305.71%	252.82%						

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Excludes 29204															
292 C	2003	1,118,587	-	-	-	0.00%									
292 C	2004	671,344	-	-	-	0.00%	0.00%								
292 C	2005	334,639	-	-	-	0.00%	0.00%	0.00%							
292 C	2006	196,102	-	-	-	0.00%	0.00%	0.00%	0.00%						
292 C	2007	1,137,893	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%					
292 C	2008	1,349,456	-	-	-	0.00%	0.00%	0.00%	0.00%		0.00%				
292 C	2009	236,615	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
292 C	2010	1,429,615	217,999	-	217,999	15.25%	13.08%	7.23%	5.25%	5.01%	4.65%	4.07%	3.37%		
292 C	2011	4,396,454	503,178	-	503,178	11.45%	12.38%	11.90%	9.73%	8.43%	8.25%	7.94%	7.40%	6.63%	
292 C	2012	1,492,053	350,400	-	350,400	23.48%	14.50%	14.64%	14.18%	12.03%	10.67%	10.47%	10.14%	9.53%	8.67%
292 C	2013	2,805,239	637,709	-	637,709	22.73%	22.99%	17.15%	16.88%	16.50%	14.60%	13.30%	13.10%	12.78%	12.17%
292 C	2014	2,105,780	614,915	-	614,915	29.20%	25.51%	25.04%	19.50%	19.01%	18.64%	16.82%	15.54%	15.34%	15.01%
292 C	2015	-	-	-	-	NA	29.20%	25.51%	25.04%	19.50%	19.01%	18.64%	16.82%	15.54%	15.34%
292 C	2016	4,087,510	1,122,186	-	1,122,186	27.45%	27.45%	28.05%	26.39%	25.98%	21.69%	21.12%	20.82%	19.25%	18.10%
292 C	2017	1,940,263	475,520	-	475,520	24.51%	26.51%	26.51%	27.20%	26.06%	25.75%	22.01%	21.48%	21.21%	19.76%
292 C	2018	1,245,091	124,490	-	124,490	10.00%	18.84%	23.68%	23.68%	24.92%	24.42%	24.31%	21.18%	20.75%	20.50%
292 C	2019	4,691,108	-	-	-	0.00%	2.10%	7.62%	14.39%	14.39%	16.61%	17.63%	18.10%	16.82%	16.73%
292 C	2020	142,635	-	-	-	0.00%	0.00%	2.05%	7.48%	14.23%	14.23%	16.44%	17.48%	17.96%	16.71%
292 C	2021	5,314,333	2,137,661	(93,291)	2,230,952	41.98%	40.88%	21.98%	20.67%	21.23%	22.69%	22.69%	23.39%	23.31%	23.32%
292 C	2022	-	705,440	-	705,440	NA	55.25%	53.81%	28.94%	26.87%	26.52%	26.74%	26.74%	27.01%	26.47%
29300	2003	-	-	-	-	NA									
29300	2004	6,528	-	-	-	0.00%	0.00%								
29300	2005	4,103	-	-	-	0.00%	0.00%	0.00%							
29300	2006	45,296	-	-	-	0.00%	0.00%	0.00%	0.00%						
29300	2007	54,202	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%					
29300	2008	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
29300	2009	1,778	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
29300	2010	29,792	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
29300	2011	7,288	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29300	2012	3,965	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29300	2013	-	1,867	-	1,867	NA	47.10%	16.59%	4.55%	4.36%	4.36%	1.92%	1.31%	1.28%	1.22%
29300	2014	4,300	-	-	-	0.00%	43.43%	22.59%	12.01%	4.12%	3.96%	3.96%	1.84%	1.27%	1.24%
29300	2015	-	-	-	-	NA	0.00%	43.43%	22.59%	12.01%	4.12%	3.96%	3.96%	1.84%	1.27%
29300	2016	2,016	-	-	-	0.00%	0.00%	0.00%	29.57%	18.16%	10.63%	3.94%	3.80%	3.80%	1.81%
29300	2017	6,654	-	-	-	0.00%	0.00%	0.00%	0.00%	14.40%	11.03%	7.71%	3.46%	3.35%	3.35%
29300	2018	3,854	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	11.10%	8.98%	6.65%	3.23%	3.13%
29300	2019	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	11.10%	8.98%	6.65%	3.23%
29300	2020	-	-	-	-	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	11.10%	8.98%	6.65%
29300	2021	-	-	-	-	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	11.10%	8.98%
29300	2022	-	-	-	-	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	11.10%
29400	2003	58,673	1,500	-	1,500	2.56%									
29400	2004	1,299,897	470,601	-	470,601	36.20%	34.75%								

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Account	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
29400	2005	89,974	274	-	274	0.30%	33.88%	32.61%							
29400	2006	765,986	-	-	-	0.00%	0.03%	21.84%	21.33%						
29400	2007	1,520,465	46,623	-	46,623	3.07%	2.04%	1.97%	14.08%	13.90%					
29400	2008	281,574	-	-	-	0.00%	2.59%	1.82%	1.76%	13.08%	12.92%				
29400	2009	357,461	-	-	-	0.00%	0.00%	2.16%	1.59%	1.56%	11.99%	11.87%			
29400	2010	842,764	-	-	-	0.00%	0.00%	0.00%	1.55%	1.24%	1.22%	10.03%	9.95%		
29400	2011	629,506	-	-	-	0.00%	0.00%	0.00%	0.00%	1.28%	1.06%	1.04%	8.94%	8.88%	
29400	2012	898,805	247,938	-	247,938	27.59%	16.22%	10.46%	9.09%	8.24%	6.50%	5.56%	5.47%	11.45%	11.37%
29400	2013	703,904	1,698	-	1,698	0.24%	15.58%	11.18%	8.12%	7.27%	6.72%	5.66%	4.94%	4.87%	10.38%
29400	2014	846,035	-	-	-	0.00%	0.11%	10.19%	8.11%	6.37%	5.83%	5.47%	4.87%	4.33%	4.27%
29400	2015	198,076	-	-	-	0.00%	0.00%	0.10%	9.43%	7.62%	6.06%	5.58%	5.25%	4.72%	4.21%
29400	2016	1,203,609	-	-	-	0.00%	0.00%	0.00%	0.06%	6.48%	5.57%	4.69%	4.39%	4.19%	3.96%
29400	2017	905,853	-	-	-	0.00%	0.00%	0.00%	0.00%	0.04%	5.25%	4.64%	4.01%	3.79%	3.63%
29400	2018	1,201,050	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	4.19%	3.79%	3.36%	3.21%
29400	2019	542,153	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	3.84%	3.50%	3.13%
29400	2020	285,162	(452)	15,070	(15,522)	-5.44%	-1.88%	-0.77%	-0.53%	-0.38%	-0.36%	-0.30%	-0.23%	3.45%	3.16%
29400	2021	1,763,947	(405,723)	(438,665)	32,942	1.87%	0.85%	0.67%	0.46%	0.37%	0.30%	0.29%	0.25%	0.25%	3.12%
29400	2022	1,277,395	6,056	1,569	4,487	0.35%	1.23%	0.66%	0.57%	0.43%	0.37%	0.31%	0.30%	0.27%	0.26%
29500	2003	-	-	-	-	NA									
29500	2004	33,506	-	-	-	0.00%	0.00%								
29500	2005	9,283	-	-	-	0.00%	0.00%	0.00%							
29500	2006	3,984	-	-	-	0.00%	0.00%	0.00%	0.00%						
29500	2007	139,159	-	-	-	0.00%	0.00%	0.00%		0.00%					
29500	2008	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
29500	2009	-	-	-	-	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%			
29500	2010	32,821	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
29500	2011	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%	
29500	2012	10,420	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29500	2013	16,594	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29500	2014	78,562	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29500	2015	263,284	-	120,789	(120,789)	-45.88%	-35.33%	-33.70%	-32.75%	-32.75%	-30.07%	-30.07%	-30.07%	-22.33%	-22.17%
29500	2016	63,930	-	-	-	0.00%	-36.91%	-29.77%	-28.60%	-27.91%	-27.91%	-25.94%	-25.94%	-25.94%	-19.97%
29500	2017	622	-	-	-	0.00%	0.00%	-36.84%	-29.72%	-28.56%	-27.87%	-27.87%	-25.91%	-25.91%	-25.91%
29500	2018	50,282	-	-	-	0.00%	0.00%	0.00%	-31.94%	-26.45%	-25.52%	-24.97%	-24.97%	-23.39%	-23.39%
29500	2019	-	-	-	-	NA	0.00%	0.00%	0.00%	-31.94%	-26.45%	-25.52%	-24.97%	-24.97%	-23.39%
29500	2020	65,552	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-27.22%	-23.13%	-22.42%	-21.99%	-21.99%
29500	2021	12,440	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-26.48%	-22.59%	-21.91%	-21.50%
29500	2022	10,251	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-25.90%	-22.17%	-21.51%
29600	2003	22,519	1,906	-	1,906	8.46%									
29600	2004	10,499	1,651	-	1,651	15.72%	10.77%								
29600	2005	-	-	-	-	NA	15.72%	10.77%							
29600	2006	33,739	2,054	-	2,054	6.09%	6.09%	8.38%	8.41%						
29600	2007	87,032	4,967	-	4,967	5.71%	5.81%	5.81%	6.61%	6.88%					
29600	2008	246,388	50,519	-	50,519	20.50%	16.64%	15.67%	15.67%	15.67%	15.27%				

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29800	2013	16,689	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29800	2014	24,971	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29800	2015	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29800	2016	5,802	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29800	2017	23,487	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29800	2018	38,157	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29800	2019	44,282	-	1,067	(1,067)	-2.41%	-1.29%	-1.01%	-0.96%	-0.96%	-0.78%	-0.70%	-0.31%	-0.27%	-0.25%
29800	2020	36,623	-	94,020	(94,020)	-256.73%	-117.53%	-79.86%	-66.71%	-64.10%	-64.10%	-54.86%	-50.04%	-24.69%	-22.03%
29800	2021	881,376	-	83,198	(83,198)	-9.44%	-19.30%	-18.53%	-17.82%	-17.41%	-17.31%	-17.31%	-16.90%	-16.64%	-14.08%
29800	2022	383,786	127,474	19,642	107,832	28.10%	1.95%	-5.33%	-5.23%	-5.09%	-5.00%	-4.98%	-4.98%	-4.90%	-4.84%