

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

IN RE: )  
)  
PETITION OF PIEDMONT NATURAL )  
GAS COMPANY, INC. FOR APPROVAL )  
OF ITS 2024 ANNUAL REVIEW OF ) Docket No. 24-00036  
RATES MECHANISM PURSUANT TO )  
TENN. CODE ANN. § 65-5-103(d)(6) )

## 2024 ANNUAL RATE REVIEW MECHANISM FILING

Pursuant to the requirements of Piedmont Natural Gas Company, Inc.’s (“Piedmont” or the “Company”) Service Schedule No. 318, as approved by the Tennessee Public Utility Commission (“Commission”) in Docket No. 21-00135, Piedmont hereby respectfully submits the following documents as its 2024 Annual Review Mechanism (“ARM”) filing:

## Attachment No. 1: ARM Filing Schedules

ARM Filing Schedules required by the currently effective terms of Tennessee Service Schedule No. 318, with index.

## Attachment No. 1A: Proposed ARM Filing Schedules

ARM Filing Schedules consistent with the Company's proposed modifications to Tennessee Service Schedule 318, with index.

## Attachment No. 2: Workpapers Supporting ARM Schedules

Piedmont is providing Workpapers Supporting ARM Filing Schedules as PDFs with the electronic filing, as well as in native format separately to Commission Staff on USB drives.

### Attachment No. 3: Supporting Direct Testimony

- a) Direct Testimony & Exhibits of Pia K. Powers
- b) Direct Testimony of Kally Couzens

- c) Direct Testimony of Misty Lyons
- d) Direct Testimony of Keith Goley
- e) Direct Testimony of John R. Panizza

**Attachment No. 4: Company Officer Attestation**

**Attachment No. 5: Proposed Tariff Changes**

- a) Proposed Tariff Sheet No. 1
- b) Table reflecting the present Total Billing Rates by Rate Schedule, the proposed changes in Total Billing Rates by Rate Schedule, and proposed Total Billing Rates by Rate Schedule

**Attachment No. 5A: Proposed Modified Tariff Changes**

- a) Proposed Tariff Sheet No. 1
- b) Table reflecting the present Total Billing Rates by Rate Schedule, the proposed changes in Total Billing Rates by Rate Schedule, and proposed Total Billing Rates by Rate Schedule

**Attachment No. 6: Joint Proposed Procedural Schedule**

**Attachment No. 7: Depreciation Rate Study, including proposed updated depreciation rates for Piedmont's Tennessee direct assets and corporate three-state joint property assets.**

WHEREFORE, Piedmont Natural Gas Company, Inc., respectfully requests that the Commission approve Piedmont's Annual ARM Filing and the Company's Proposed Tariff.

Respectfully submitted this 20th day of May, 2024.

**Piedmont Natural Gas Company, Inc.**

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/s/ James H. Jeffries IV

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<sup>1</sup> Pro hac vice applications will be filed on behalf of Mr. Jeffries, Mr. Franklin, and Mr. Maney upon docketing of this matter.

ARM Schedule Number	Schedule Description	Format of Native File	Name of Native Format File	Native File Includes Confidential Information Yes or No
<b>ATTACHMENT NO. 1: LEAD SCHEDULES</b>				
Schedule No. 1	Results of Operations	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 2	Rate Base	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 3	Lead Lag Refunds	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 4A	Working Capital Expense Lag for HBP	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 4B	Working Capital Expense Lag for Annual Base Rate Reset	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 5	O&M Expense Summary	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 6A	Revenue Summary	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 6B	Revenue Detail	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 7	General Tax Summary	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 8	Excise and Income Tax Summary	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 9	Income Statement under Present Rates & Proposed Rates	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 10A	Cost of Capital Summary HBP	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 10B	Cost of Capital Summary Annual Base Rate Reset	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 11	Revenue Conversion Factor & Tax Gross Up Factor	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 12	Carrying Costs and ARM Reconciliation Deferred Account Balance	Excel	Schedules 1 - 12_Lead Schedules	No
Schedule No. 13	Utility Plant in Service - End of Month Balances, calculation of 13 month average balance	Excel	Schedule 13_UPIS 13 Month Avg Bal	No
Schedule No. 14	Depreciation Expense - Calculation of Depreciation and Amortization Expense based on HBP Utility Plant in Service	Excel	Schedule 14_Depreciation Expense	No
Schedule No. 14.1	Per Book Depreciation and Amortization Expense recorded during the HBP	Excel	Schedule 14_Depreciation Expense	No
Schedule No. 14.2	Calculation of Annualized Depreciation and Amortization Expense for the Annual Base Rate Reset based on the UPS Balance at the end of the HBP	Excel	Schedule 14_Depreciation Expense	No
Schedule No. 14.3	Calculation of Reserve Surplus Amortization	Excel	Schedule 14_Depreciation Expense	No
Schedule No. 15	Construction Work in Progress - End of Month Balances, calculation of 13 month average balance	Excel	Schedule 15_CWIP 13 Month Avg Bal	No
Schedule No. 15.1	Calculation of Incentive Compensation and Pension/DBEB Adjustment for CWIP	Excel	Schedule 15_CWIP 13 Month Avg Bal	No
Schedule No. 15.2	Calculation of AFUDC	Excel	Schedule 15_CWIP 13 Month Avg Bal	No
Schedule No. 16	Accumulated Depreciation - End of Month Balances, calculation of 13 month average balance	Excel	Schedule 16_Accumulated Depreciation 13 Month Avg Bal	No
Schedule No. 17	Contributions in Aid of Construction - End of Month Balances, calculation of 13 month average balance	Excel	Schedule 17_CAC 13 Month Avg Bal	No
Schedule No. 18	ADIT - End of Month Balances, calculation of 13 month average balance	Excel	Schedule 18_ADIT - 13 End Month Avg Bal	No
Schedule No. 18.1	Adjustments to ADIT Monthly Balances	Excel	Schedule 18_ADIT - 13 End Month Avg Bal	No
Schedule No. 19	Cash Working Capital - Summary of 13 month average balance	Excel	Schedule 19_Working Capital 13 Month Avg Bal	No
Schedule No. 20	Summary ARM Regulatory Assets	Excel	Schedule 20_ARM Regulatory Asset 13 Month Avg Bal	No
Schedule No. 20.0	ARM Reg Asset Balance by Month - 2023 ARM Regulatory Asset	Excel	Schedule 20_ARM Regulatory Asset 13 Month Avg Bal	No
Schedule No. 20.1	ARM Reg Asset Balance by Month - 2022 ARM Regulatory Asset	Excel	Schedule 20_ARM Regulatory Asset 13 Month Avg Bal	No
Schedule No. 21	Historic Base Period Revenue Components by Rate Schedule & Special Contract	Excel	Schedule 21_HBP Revenue Components by Rate Schedule & Special Contract	No
Schedule No. 21.1	Component Billing for Rate Schedule 301 - Residential Service	Excel	Schedule 21_HBP Revenue Components by Rate Schedule & Special Contract	No
Schedule No. 21.2	Component Billing for Rate Schedule 302 - Small General Service	Excel	Schedule 21_HBP Revenue Components by Rate Schedule & Special Contract	No
Schedule No. 21.3	Component Billing for Rate Schedule 352 - Medium General Service	Excel	Schedule 21_HBP Revenue Components by Rate Schedule & Special Contract	No
Schedule No. 21.4	Component Billing for Rate Schedule 303 - Large General Firm Sales Service	Excel	Schedule 21_HBP Revenue Components by Rate Schedule & Special Contract	No
Schedule No. 21.5	Component Billing for Rate Schedule 304 - Interruptible Sales Service	Excel	Schedule 21_HBP Revenue Components by Rate Schedule & Special Contract	No
Schedule No. 21.6	Component Billing for Rate Schedule 313 - Firm Transportation Service	Excel	Schedule 21_HBP Revenue Components by Rate Schedule & Special Contract	No
Schedule No. 21.7	Component Billing for Rate Schedule 314 - Interruptible Transportation Service	Excel	Schedule 21_HBP Revenue Components by Rate Schedule & Special Contract	No
Schedule No. 21.8	Component Billing for Rate Schedule 310 - Resale Service	Excel	Schedule 21_HBP Revenue Components by Rate Schedule & Special Contract	No
Schedule No. 21.9	Journal Entry Detail for Reclass and True-Up Entries	Excel	Schedule 21_HBP Revenue Components by Rate Schedule & Special Contract	No
Schedule No. 22A	Annual Base Rate Reset Total Revenues by Rate Schedule and Special Contract	Excel	Schedule 22AB, Annual Base Rate Reset Revenues, PARTIALLY CONFIDENTIAL	Yes
Schedule No. 22AB.1	Residential Service - 301 Regression Analysis and Computation of Normalized Volumes	Excel	Schedule 22AB, Annual Base Rate Reset Revenues, PARTIALLY CONFIDENTIAL	Yes
Schedule No. 22AB.10	Computation of Base Billing Rates	Excel	Schedule 22AB, Annual Base Rate Reset Revenues, PARTIALLY CONFIDENTIAL	Yes
Schedule No. 22AB.2	Small General Service - 302 Regression Analysis and Computation of Normalized Volumes	Excel	Schedule 22AB, Annual Base Rate Reset Revenues, CONFIDENTIAL	Yes
Schedule No. 22AB.3	Medium General Service - 352 Regression Analysis and Computation of Normalized Volumes	Excel	Schedule 22AB, Annual Base Rate Reset Revenues, CONFIDENTIAL	Yes
Schedule No. 22AB.4	Motor Vehicle Fuel Service - 343 Billing Determinants	Excel	Schedule 22AB, Annual Base Rate Reset Revenues, CONFIDENTIAL	Yes
Schedule No. 22AB.5	Large Volume Service Billing Determinants	Excel	Schedule 22AB, Annual Base Rate Reset Revenues, CONFIDENTIAL	Yes
Schedule No. 22AB.6	Step Usage by Rate Schedule	Excel	Schedule 22AB, Annual Base Rate Reset Revenues, CONFIDENTIAL	Yes
Schedule No. 22AB.7	Minimum Margin Agreement Revenues	Excel	Schedule 22AB, Annual Base Rate Reset Revenues, CONFIDENTIAL	Yes
Schedule No. 22AB.8	Summary Heating Degree Days	Excel	Schedule 22AB, Annual Base Rate Reset Revenues, CONFIDENTIAL	Yes
Schedule No. 22AB.9	Summary of Normalized Billing Determinants and Annual Base Rate Reset Margin Revenues	Excel	Schedule 22AB, Annual Base Rate Reset Revenues, CONFIDENTIAL	Yes
Schedule No. 22B	Annual Base Rate Reset Revenue Components by Rate Schedule and Special Contract	Excel	Schedule 22AB, Annual Base Rate Reset Revenues, CONFIDENTIAL	Yes
Schedule No. 23	Annual Base Rate Reset Other Revenues	Excel	Schedule 23_Annual Base Rate Reset Other Revenues	No
Schedule No. 23.1	Summary of Home Protection Plan Revenues	Excel	Schedule 23_Annual Base Rate Reset Other Revenues	No
Schedule No. 23.2	Transaction Level Detail - Other Revenues Accounts 048B000, 048B102, 048B103	Excel	Schedule 23_Annual Base Rate Reset Other Revenues	No
Schedule No. 23.3	Income Statement Balances for Other Revenues	Excel	Schedule 23_Annual Base Rate Reset Other Revenues	No
Schedule No. 24	Summary of Normalized Billing Determinants and Proposed Margin Revenues	Excel	Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Schedule No. 25	Proof of Revenue at Proposed Rates	Excel	Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Schedule No. 26	Revenue Changes by Rate Schedule	Excel	Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Schedule No. 26.1	Summary of Revenue Change by Rate Schedule for the Annual Base Rate Reset	Excel	Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Schedule No. 26.2	Margin Revenue Rate Design by Rate Schedule for the Annual Base Rate Reset	Excel	Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Schedule No. 26.3	Revenue Rate Design by Rate Schedule for the Annual Base Rate Reset	Excel	Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Schedule No. 26.4	Revenue Rate Design by Rate Schedule for the Annual Base Rate Reset	Excel	Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Schedule No. 26.5	Computation of ARM Rider Rates	Excel	Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Schedule No. 26A	Allocated Cost of Service Study by Rate Schedule	Excel	Schedule 26A_Allocated Cost of Service Study	No
Schedule No. 26A.1	Allocated Cost of Service by Function	Excel	Schedule 26A_Allocated Cost of Service Study	No
Schedule No. 26A.2	Class Allocation Factors by Rate Schedule	Excel	Schedule 26A_Allocated Cost of Service Study	No
Schedule No. 26A.3	Class Allocation Factors by Function	Excel	Schedule 26A_Allocated Cost of Service Study	No
Schedule No. 26A.4	Labor Class Allocation	Excel	Schedule 26A_Allocated Cost of Service Study	No
Schedule No. 26A.5	Labor by Function	Excel	Schedule 26A_Allocated Cost of Service Study	No
Schedule No. 27	Normal Heating Degree Days	Excel	Schedule 27_Normal Heating Degree Days	No
Schedule No. 28	Factors for Weather Normalization Adjustment (WNA)	Excel	Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No

File Name: ARM Filing Index  
List of Attachments & Schedules Included in May 20, 2024 Filing

ARM Schedule Number	Schedule Description	Format of Native File	Name of Native Format File	Native File Includes Confidential Information Yes or No
Schedule No. 29	Customer Accounts & Service Expense, including uncollectible ratio calculation	Excel	Schedule 29_Customer Accounts and Service Expense	No
Schedule No. 29.1	Income Statement Balances for Customer Accounts and Service Expense	Excel	Schedule 29_Customer Accounts and Service Expense	No
Schedule No. 29.2	Actual Bad Debt Write-Offs Recorded During the HBP	Excel	Schedule 29_Customer Accounts and Service Expense	No
Schedule No. 29.3	Calculation of Uncollectibles Rate Used in Conversion Factor	Excel	Schedule 29_Customer Accounts and Service Expense	No
Schedule No. 30	Employee Salary and Wage Expense	Excel	Schedule 30_Employee Salaries and Wages Expense	No
Schedule No. 31	Employee Short Term Compensation Expense	Excel	Schedule 31_Short Term Incentive Comp Adj	No
Schedule No. 32	Employee Long Term Compensation Expense	Excel	Schedule 32_Long Term Incentive Comp Adj	No
Schedule No. 33	Deferred Environmental Regulatory Amortization and Cost Support	Excel	Schedule 33_Deferred Environmental Amortization_CONFIDENTIAL	Yes
Schedule No. 33.1	Listing of Incremental Deferred Environmental Invoices	Excel	Schedule 33_Deferred Environmental Amortization_CONFIDENTIAL	Yes
Schedule No. 33.2	Calculation of Deferred Environmental Balance for the HBP Reconciliation	Excel	Schedule 33_Deferred Environmental Amortization_CONFIDENTIAL	Yes
Schedule No. 34	Deferred Pension Regulatory Amortization and Pension Plan Contribution Support	Excel	Schedule 34_Deferred Pension Regulatory Amortization	No
Schedule No. 35	Return on Service Company (DEBS) Assets	Excel	Schedule 35_Expense for Allocated Return on DEBS Assets	No
Schedule No. 35.1	Actual Per Books Expense for Allocated Return on DEBS Assets	Excel	Schedule 35_Expense for Allocated Return on DEBS Assets	No
Schedule No. 35.2	Expense for Allocated Return on DEBS Assets as Adjusted	Excel	Schedule 35_Expense for Allocated Return on DEBS Assets	No
Schedule No. 36	Other Pension Expense	Excel	Schedule 36_Other Pension_OPEB Expense	No
Schedule No. 36.1	Calculation of Pension/OPEB Adjustment	Excel	Schedule 36_Other Pension_OPEB Expense	No
Schedule No. 37	Lobbying Expense, Charitable Contribution, Social Club Membership Adjustment	Excel	Schedule 37_Lobbying Expense, Charitable Contribution Expense_CONFIDENTIAL	Yes
Schedule No. 37.1	Transaction Details for HBP Charitable Contribution, Sponsorship Expense Plus Lobbying Expense Calculation	Excel	Schedule 37_Lobbying Expense, Charitable Contribution Expense_CONFIDENTIAL	Yes
Schedule No. 38	Promotional and Advertising Expenses, consistent with Commission Rule 1220-04-05-.47	Excel	Schedule 38_Advertising Expense_CONFIDENTIAL	Yes
Schedule No. 38.1	Transaction Level Detail for Advertising Expenses Removed from HBP	Excel	Schedule 38_Advertising Expense_CONFIDENTIAL	Yes
Schedule No. 39	Tennessee Allocated Income Statement for December 2023, including details of all revenues and expenses for the HomeServe Warranty Program	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 40A	Total Piedmont Regulatory View Year End Income Statement	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 40B	Total Piedmont SEC View Year End Income Statement	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 40C	Duke Energy Corporation Year End Income Statement	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 40D	DEBS Year End Income Statement	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 40E	Total Piedmont Regulatory View Year End Balance Sheet	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 40F	Total Piedmont SEC View Year End Balance Sheet	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 40G	Duke Energy Corporation Year End Balance Sheet	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 40H	DEBS Year End Balance Sheet	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 41A	Total Piedmont Monthly Trial Balance Regulatory View	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 41B	Total Piedmont Monthly Trial Balance SEC View	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 41C	Duke Energy Corporation Monthly Trial Balance Regulatory View	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 41D	Duke Energy Corporation Monthly Trial Balance SEC View	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 41E	DEBS Monthly Trial Balance Regulatory View	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 41F	DEBS Monthly Trial Balance SEC View	Excel	Schedule 39 - 41F_Financial Reports 2023	No
Schedule No. 42	Piedmont Capital Budget for Tennessee operations for year subsequent to HBP	PDF	Schedule 42_Capital Budget for Tennessee Operations_CONFIDENTIAL	Yes
Schedule No. 43	Piedmont Operating Budget for the year subsequent to the HBP	Excel	Schedule 43_Operating Budget	No
Schedule No. 44	Piedmont Jurisdictional Allocation Factors: Composite Factors	Excel	Schedule 44_Composite Factor	No
Schedule No. 44.1	Average Customer Count as of 3/31/22	Excel	Schedule 44_Composite Factor	No
Schedule No. 44.2	OB&M Labor Charges for the Twelve Months Ended 12/31/22 by Piedmont Business Unit	Excel	Schedule 44_Composite Factor	No
Schedule No. 44.3	UPIS and CWIP Balances as of 12/31/22 by Jurisdiction	Excel	Schedule 44_Composite Factor	No
Schedule No. 45	Piedmont Jurisdictional Allocation Factors: Net Plant Factors	Excel	Schedule 45_Net Plant Factor	No
Schedule No. 45.1	UPIS, Accumulated Depreciation and CWIP Balances as of 12/31/22 by Jurisdiction	Excel	Schedule 45_Net Plant Factor	No
Schedule No. 46	Cost Allocation Manual for 2023	PDF	Schedule 46_Cost Allocation Manual 2023	No
Schedule No. 46A	Cost Allocation Matrix for 2023	Excel	Schedule 46A_Cost Allocation Matrix 2023	No
Schedule No. 47	Corporate Organizational Structure	PDF	Schedule 47_Corporate Organizational Structure	No
Schedule No. 48	List of Company Officers	Excel	Schedule 48_List of Company Officers	No
Schedule No. 49	Pension and OPEB actuarial reports	PDF	Schedule 49_Pension and OPEB Actuarial Reports_CONFIDENTIAL	Yes
Schedule No. 50	Employee Incentive Compensation Plan documents part 1	PDF	Schedule 50A_Incentive Comp Plan Documents Part 1_CONFIDENTIAL	Yes
Schedule No. 50A	Employee Incentive Compensation Plan documents part 2	PPT	Schedule 50B_Incentive Comp Plan Documents Part 2_CONFIDENTIAL	Yes
Schedule No. 50B	Employee Incentive Compensation Plan documents part 3	PDF	Schedule 50C_Incentive Comp Plan Documents Part 3_CONFIDENTIAL	Yes
Schedule No. 50C	Employee Incentive Compensation Plan documents part 4	PDF	Schedule 50D_Incentive Comp Plan Documents Part 4_CONFIDENTIAL	Yes
Schedule No. 51	Impact of any new accounting pronouncements	Word	Schedule 51_Impact of Accounting Pronouncements	No

Piedmont Natural Gas Company, Inc.  
2024 ARM Annual Filing  
Historical Base Period Ending 12/31/23

File Name: ARM Filing Index  
List of Attachments & Schedules Included in May 20, 2024 Filing

ARM Schedule Number	Schedule Description	Format of Native File	Name of Native Format File	Native File Includes Confidential Information Yes or No
<b>ATTACHMENT NO. 2: ADDITIONAL WORKPAPERS</b>				
Schedule No. 52A	UPIS Monthly Activity by plant account - Tennessee Direct Assets	Excel	Schedule 52A_UPIS Monthly Activity	No
Schedule No. 52A.1	UPIS Monthly Activity by plant account - Joint Property 3-State Assets	Excel	Schedule 52A_UPIS Monthly Activity	No
Schedule No. 52B	CWIP Actual Capital Expenditures by Category and Project Number	Excel	Schedule 52B_CWIP Monthly Activity	No
Schedule No. 52C	Accumulated Depreciation Monthly Activity by plant account - Tennessee Direct Assets	Excel	Schedule 52C_Accumulated Depreciation Monthly Activity 2023	No
Schedule No. 52C.1	Accumulated Depreciation Monthly Activity by plant account - Joint Property 3-State Assets	Excel	Schedule 52C_Accumulated Depreciation Monthly Activity 2023	No
Schedule No. 52D.1	Calculation of 13 month average balance of Working Capital - Materials & Supplies	Excel	Schedule 52D_Working Capital Calculation	No
Schedule No. 52D.10	Calculation of 13 month average balance of Working Capital - Accrued Vacation	Excel	Schedule 52D_Working Capital Calculation	No
Schedule No. 52D.2	Calculation of 13 month average balance of Working - Gas Inventories	Excel	Schedule 52D_Working Capital Calculation	No
Schedule No. 52D.3	Calculation of 13 month average balance of Working Capital - Deferred Debits	Excel	Schedule 52D_Working Capital Calculation	No
Schedule No. 52D.4	Calculation of 13 month average balance of Working Capital - Prepaid Insurance	Excel	Schedule 52D_Working Capital Calculation	No
Schedule No. 52D.5	Calculation of 13 month average balance of Working Capital - Fleet & Overheads	Excel	Schedule 52D_Working Capital Calculation	No
Schedule No. 52D.6	Calculation of 13 month average balance of Working Capital - Accounts Payable Applicable to CWIP	Excel	Schedule 52D_Working Capital Calculation	No
Schedule No. 52D.7	Calculation of 13 month average balance of Working Capital - Accounts Payable Applicable to M&S	Excel	Schedule 52D_Working Capital Calculation	No
Schedule No. 52D.8	Calculation of 13 month average balance of Working Capital - Customer Deposits	Excel	Schedule 52D_Working Capital Calculation	No
Schedule No. 52D.9	Calculation of 13 month average balance of Working Capital - Interest on Customer Deposits	Excel	Schedule 52D_Working Capital Calculation	No
Schedule No. 52E	ARM Regulatory Asset for Deferred Depreciation Expense Monthly Activity	Excel	Schedule 52E_ARM Reg Asset_Deferred Depreciation Monthly Activity	No
Schedule No. 52F	ARM Regulatory Asset for Deferred Interest Expense Monthly Activity	Excel	Schedule 52F_ARM Reg Asset_Deferred Interest Monthly Activity	No
Schedule No. 52G	Refer to Schedule 22A&B.1, 22A&B.2, 22A&B.3	N/A	Refer to Schedule 22A&B.1, 22A&B.2, 22A&B.3	N/A
Schedule No. 52H	Refer to Schedule 27	N/A	Refer to Schedule 27	N/A
Schedule No. 52I	Refer to Schedule 21	N/A	Refer to Schedule 21	N/A
Schedule No. 52J	Refer to Schedule 21	N/A	Refer to Schedule 21	N/A
Schedule No. 52K	Other Purchased Gas Expense Excluding Payroll and Incentive Compensation	Excel	Schedule 52K_Other Purchased Gas Expense_CONFIDENTIAL	Yes
Schedule No. 52L	Gas Storage Expense Excluding Payroll and Incentive Compensation	Excel	Schedule 52L_Gas Storage Expense_CONFIDENTIAL	Yes
Schedule No. 52M	Transmission Expense Excluding Payroll and Incentive Compensation	Excel	Schedule 52M_Transmission Expense_CONFIDENTIAL	Yes
Schedule No. 52N	Distribution Expense Excluding Payroll and Incentive Compensation	Excel	Schedule 52N_Distribution Expense_CONFIDENTIAL	Yes
Schedule No. 52O	Sales Expense Excluding Payroll and Incentive Compensation	Excel	Schedule 52O_Sales Expense_CONFIDENTIAL	Yes
Schedule No. 52P	Other Administrative and General Expense	Excel	Schedule 52P_Other Administrative and General Expense_CONFIDENTIAL	Yes
Schedule No. 52Q	Miscellaneous O&M Adjustments	Excel	Schedule 52Q_Miscellaneous O&M Adjustments_CONFIDENTIAL	Yes
Schedule No. 52R.1	General Ledger Transaction Level Detail for all O&M Charges Per Books for Q1 2023	Excel	Schedule 52R.1_TH Allocated O&M 2023 Q1_CONFIDENTIAL	Yes
Schedule No. 52R.2	General Ledger Transaction Level Detail for all O&M Charges Per Books for Q2 2023	Excel	Schedule 52R.2_TH Allocated O&M 2023 Q2_CONFIDENTIAL	Yes
Schedule No. 52R.3	General Ledger Transaction Level Detail for all O&M Charges Per Books for Q3 2023	Excel	Schedule 52R.3_TH Allocated O&M 2023 Q3_CONFIDENTIAL	Yes
Schedule No. 52R.4	General Ledger Transaction Level Detail for all O&M Charges Per Books for Q4 2023	Excel	Schedule 52R.4_TH Allocated O&M 2023 Q4_CONFIDENTIAL	Yes
Schedule No. 52S.1	General Ledger Transaction Level Detail for all O&M Charges Allocated from DEBS Per Books for Q1 2023	Excel	Schedule 52S.1_Service Co Allocation Details 2023 Q1_CONFIDENTIAL	Yes
Schedule No. 52S.2	General Ledger Transaction Level Detail for all O&M Charges Allocated from DEBS Per Books for Q2 2023	Excel	Schedule 52S.2_Service Co Allocation Details 2023 Q2_CONFIDENTIAL	Yes
Schedule No. 52S.3	General Ledger Transaction Level Detail for all O&M Charges Allocated from DEBS Per Books for Q3 2023	Excel	Schedule 52S.3_Service Co Allocation Details 2023 Q3_CONFIDENTIAL	Yes
Schedule No. 52S.4	General Ledger Transaction Level Detail for all O&M Charges Allocated from DEBS Per Books for Q4 2023	Excel	Schedule 52S.4_Service Co Allocation Details 2023 Q4_CONFIDENTIAL	Yes
Schedule No. 52T	Listing of DEBS Assets and Calculation of Depreciation Expense	Excel	Schedule 52T_Calculation of DEBS Depreciation Expense	No
Schedule No. 52T.1	DEBS Depreciation Expense as Recorded on Piedmont's General Ledger and Allocated to Tennessee	Excel	Schedule 52T_Calculation of DEBS Depreciation Expense	No
Schedule No. 52U	Calculation of O&M Expense for Lead/Lag	Excel	Schedule 52U_Calculation of O&M Lag_CONFIDENTIAL	Yes
Schedule No. 52V	Calculation of General Taxes	Excel	Schedule 52V_Calculation of General Taxes	No
Schedule No. 52V.1	Income Statement Balances for General Taxes	Excel	Schedule 52V_Calculation of General Taxes	No
Schedule No. 52V.2	Calculation of Payroll Tax Adjustment	Excel	Schedule 52V_Calculation of General Taxes	No
Schedule No. 52W	Calculation of Composite Excise Tax Rate	Excel	Schedule 52W_Calculation of Composite Excise Tax Rate	No
Schedule No. 52X	Calculation of Annual EDIT Amortization for Protected PPE	Excel	Schedule 52X_Amortization of EDIT	No
Schedule No. 52Y	Capital Structure and Cost Rates	Excel	Schedule 52Y_Capital Structure and Cost Rates	No
Schedule No. 52Z	Calculation of ARM Reg Asset Amortization Expense	Excel	Schedule 52Z_Calculation of ARM Reg Asset Amortization Expense	No
Schedule No. 52Z.1	Calculation of ARM Reg Asset Weighted Average Depreciable Life	Excel	Schedule 52Z_Calculation of ARM Reg Asset Amortization Expense	No
Schedule No. 52AA	Calculation of Permanent Tax Differences	Excel	Schedule 52AA_Permanent Tax Differences	No
Schedule No. 52BB	Calculation of the ARM Reconciliation Deferred Account Balance to Provide Support for ARM Schedule 12 Line 7	Excel	Schedule 52BB_ARM Reconciliation Deferred Account	No
Schedule No. 53	Explanation of Increases in Actual Per Books Amounts for Certain General Ledger Accounts from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.1	Explanation of Increase in Account 0807000 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.2	Explanation of Increase in Account 0843500 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.3	Explanation of Increase in Account 0864000 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.4	Explanation of Increase in Account 0865000 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.5	Explanation of Increase in Account 0889000 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.6	Explanation of Increase in Account 0892000 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.7	Explanation of Increase in Account 0898001 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.8	Explanation of Increase in Accounts 0903000 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.9	Explanation of Increase in Accounts 0903100 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.10	Explanation of Increase in Account 0910000 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.11	Explanation of Increase in Account 0921980 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.12	Explanation of Increase in Account 0925003, 0925051 and 0925052 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.13	Explanation of Increase in Account 0928014 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.14	Explanation of Increase in Account 0931001 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.15	Explanation of Increase in Account 0931008 from 2022 to 2023	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 53.16	Explanation of Increase in Home Protection Plan Expenses	Excel	Schedule 53_Variance Analysis_CONFIDENTIAL	Yes
Schedule No. 54	Monthly Balances of Short-Term Debt, Long-Term Debt and Equity	Excel	Schedule 54_Debt and Equity Balances	No
Schedule No. 55	Amount and Explanation of Accrued Expenses Recorded during the HBP	Excel	Schedule 55_Accrued Expenses_CONFIDENTIAL	Yes
Schedule No. 56	Description of Code Block Elements Used in General Ledger Transaction detail for all O&M Charges Allocated from DEBS	Excel	Schedule 56_DEBS Code Block Details	No
Schedule No. 57	Refer to Schedule 52.T	Word	Refer to Schedule 52.T	No
Schedule No. 58	Journal Entries Recorded in the HBP for the Return to Provision Transaction	Excel	Schedule 58_Return to Provision Entries	No
Schedule No. 59	Schedule of Operating Metrics	Word	Schedule 59_Operating Metrics	No

Piedmont Natural Gas Company, Inc.  
2024 ARM Annual Filing  
Historical Base Period Ending 12/31/23

File Name: ARM Filing Index  
List of Attachments & Schedules Included in May 20, 2024 Filing

ARM Schedule Number	Schedule Description	Format of Native File	Name of Native Format File	Native File Includes Confidential Information Yes or No
Proposed Modified ARM - Schedule No. 1	Results of Operations	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 2	Rate Base	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 3	Lead Lag Results	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 4A	Working Capital Expense Lag for HBP	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 4B	Working Capital Expense Lag for Annual Base Rate Reset	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 5	OGM Expense Summary	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 6A	Revenue Summary	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 6B	Revenue Detail	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 7	General Tax Summary	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 8	Excise and Income Tax Summary	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 9	Income Statement under Present Rates & Proposed Rates	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 10A	Cost of Capital Summary HBP	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 10B	Cost of Capital Summary Annual Base Rate Reset	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 11	Revenue Conversion Factor & Tax Gross Up Factor	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 12	Carrying Costs and ARM Reconciliation Deferred Account Balance	Excel	Proposed Modified ARM - Schedules 1 - 12_Lead Schedules	No
Proposed Modified ARM - Schedule No. 18	ADIT - End of Month Balances, calculation of 13 month average balance	Excel	Proposed Modified ARM - Schedule 18_ADIT - 13 End Month Avg Bal	No
Proposed Modified ARM - Schedule No. 18.1	Adjustments to ADIT Monthly Balances	Excel	Proposed Modified ARM - Schedule 18_ADIT - 13 End Month Avg Bal	No
Proposed Modified ARM - Schedule No. 24	Summary of Normalized Billing Determinants and Proposed Margin Revenues	Excel	Proposed Modified ARM - Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Proposed Modified ARM - Schedule No. 25	Proof of Revenue at Proposed Rates	Excel	Proposed Modified ARM - Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Proposed Modified ARM - Schedule No. 26	Revenue Changes by Rate Schedule	Excel	Proposed Modified ARM - Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Proposed Modified ARM - Schedule No. 26.1	Summary of Revenues Change by Rate Schedule for the Annual Base Rate Reset	Excel	Proposed Modified ARM - Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Proposed Modified ARM - Schedule No. 26.2	Margin Revenue Rate Design by Rate Schedule for the Annual Base Rate Reset	Excel	Proposed Modified ARM - Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Proposed Modified ARM - Schedule No. 26.3	Revenue Rate Design by Rate Schedule for the Annual Base Rate Reset	Excel	Proposed Modified ARM - Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Proposed Modified ARM - Schedule No. 26.4	Revenue Rate Design by Rate Schedule for the Annual Base Rate Reset	Excel	Proposed Modified ARM - Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Proposed Modified ARM - Schedule No. 26.5	Computation of ARM Rider Rates	Excel	Proposed Modified ARM - Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
Proposed Modified ARM - Schedule No. 26A	Allocated Cost of Service Study by Rate Schedule	Excel	Proposed Modified ARM - Schedule 26A_Allocated Cost of Service Study	No
Proposed Modified ARM - Schedule No. 26A.1	Allocated Cost of Service by Function	Excel	Proposed Modified ARM - Schedule 26A_Allocated Cost of Service Study	No
Proposed Modified ARM - Schedule No. 26A.2	Class Allocation Factors by Rate Schedule	Excel	Proposed Modified ARM - Schedule 26A_Allocated Cost of Service Study	No
Proposed Modified ARM - Schedule No. 26A.3	Class Allocation Factors by Function	Excel	Proposed Modified ARM - Schedule 26A_Allocated Cost of Service Study	No
Proposed Modified ARM - Schedule No. 26A.4	Labor Class Allocation	Excel	Proposed Modified ARM - Schedule 26A_Allocated Cost of Service Study	No
Proposed Modified ARM - Schedule No. 26A.5	Labor by Function	Excel	Proposed Modified ARM - Schedule 26A_Allocated Cost of Service Study	No
Proposed Modified ARM - Schedule No. 28	Factors for Weather Normalization Adjustment (WNA)	Excel	Proposed Modified ARM - Schedule 24,25,26,28_Billing Determinants, Proposed Revenues & Rates, WNA	No
<b>ATTACHMENT NO. 1A: PROPOSED MODIFIED ADDITIONAL WORKPAPERS</b>				
Proposed Modified ARM - Schedule No. 52W	Statutory State Excise Tax Rate	Excel	Proposed Modified ARM - Schedule 52W_Statutory State Excise Tax Rate	No
<b>ATTACHMENT NO. 7: PROPOSED DEPRECIATION STUDY</b>				
Attachment 7 - Depr Study Report 2024 Final	Attachment 7 - Depr Study Report 2024 Final	Word	Attachment 7 - Depr Study Report 2024 Final	No
Appendix A1 NC Final	Appendix A1 NC Final	Excel	Appendix A1 NC Final	No
Appendix A2 SC Final	Appendix A2 SC Final	Excel	Appendix A2 SC Final	No
Appendix A3 TN Final	Appendix A3 TN Final	Excel	Appendix A3 TN Final	No
Appendix A4 2 State Final	Appendix A4 2 State Final	Excel	Appendix A4 2 State Final	No
Appendix A5 3 State Final	Appendix A5 3 State Final	Excel	Appendix A5 3 State Final	No
Appendix B1 NC Final	Appendix B1 NC Final	Excel	Appendix B1 NC Final	No
Appendix B2 SC Final	Appendix B2 SC Final	Excel	Appendix B2 SC Final	No
Appendix B3 TN Final	Appendix B3 TN Final	Excel	Appendix B3 TN Final	No
Appendix B4 2 State Final	Appendix B4 2 State Final	Excel	Appendix B4 2 State Final	No
Appendix B5 3 State Final	Appendix B5 3 State Final	Excel	Appendix B5 3 State Final	No
Appendix C - Comparison of Parameters Final	Appendix C - Comparison of Parameters Final	Excel	Appendix C - Comparison of Parameters Final	No
Appendix D - Net Salvage System	Appendix D - Net Salvage System	Excel	Appendix D - Net Salvage System	No

**PIEDMONT NATURAL GAS COMPANY, INC.**  
**2024 ANNUAL ARM FILING**

**ATTACHMENT NO. 4**  
**COMPANY OFFICER ATTESTATION**



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

IN RE: )

)  
PETITION OF PIEDMONT NATURAL )  
GAS COMPANY, INC. FOR APPROVAL )  
OF ITS 2024 ANNUAL REVIEW OF )  
RATES MECHANISM PURSUANT TO )  
TENN. CODE ANN. § 65-5-103(d)(6) )

Docket No. 24-00036

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**2024 ANNUAL REVIEW MECHANISM ATTESTATION**

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STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

Pursuant to the requirements of Piedmont Natural Gas Company, Inc.'s ("Piedmont" or the "Company") Service Schedule No. 318, as approved by the Tennessee Public Utility Commission ("Commission") in Docket No. 21-00135, I, Brian R. Weisker, first being duly sworn, depose and say that:

1. I am employed by Piedmont Natural Gas Company, Inc. as Senior Vice President and President, Natural Gas Business.

2. I have read the Annual Rate Review Mechanism Filing and know the contents thereof, and that the same are true and correct to the best of my knowledge, information, and belief.

FURTHER AFFIANT SAYETH NOT.

  
Brian R. Weisker

Signed and sworn to before me this 17<sup>th</sup> day of May, 2024.

SHANNON L. WALL  
(OFFICIAL SEAL) North Carolina  
Mecklenburg County  
My Commission Expires  
June 28, 2027

  
Notary Public

My Commission Expires: 6/28/2027

**PIEDMONT NATURAL GAS COMPANY, INC.**  
**2024 ANNUAL ARM FILING**

**ATTACHMENT NO. 5**  
**PROPOSED TARIFF CHANGES**

## PROPOSED

Eighty-Eighth Revised Sheet No. 1

PIEDMONT NATURAL GAS COMPANY, INC.  
Tennessee Service Territory  
Billing Rates Effective<sup>1</sup>: October 1, 2024

Rate Schedule	Description	PROPOSED Tariff Base Rate	-----Cumulative PGA-----		-----Current ACA-----		Current IPA	ARM Rider Rates	Rate Case Rider <sup>2</sup>	Total Adj. Factor (Sum Col.2 thru Col.7)	Billing Rate <sup>3</sup> (Col.1 + Col.8)
		Per 2024 Annual ARM Filing	Demand	Commodity	Demand	Commodity					
		<1>	<2>	<3>	<4a>	<4b>	<5>	<6>	<7>	<8>	<9>
Residential 301 301	Monthly Charge-Nov.-Mar.	\$17.45									\$17.45
	Monthly Charge-Apr.-Oct.	\$13.45									\$13.45
	Nov.- Mar. per TH	0.73317	0.07577	0.33101	(0.01933)	(0.07851)	0.00898	0.08250	0.00101	0.40143	1.13460
	Apr.- Oct. per TH	0.60679	0.07577	0.33101	(0.01933)	(0.07851)	0.00898	0.08250	0.00101	0.40143	1.00822
Small General 302 302	Monthly Charge	\$44.00									\$44.00
	Nov.- Mar. per TH	0.72900	0.07577	0.33101	(0.01933)	(0.07851)	0.00898	0.06866	0.00085	0.38743	1.11643
	Apr.- Oct. per TH	0.60893	0.07577	0.33101	(0.01933)	(0.07851)	0.00898	0.06866	0.00085	0.38743	0.99636
Medium General 352 352	Monthly Charge	\$225.00									\$225.00
	Nov.- Mar. per TH	0.61896	0.07577	0.33101	(0.01933)	(0.07851)	0.00898	0.06866	0.00085	0.38743	1.00639
	Apr.- Oct. per TH	0.51702	0.07577	0.33101	(0.01933)	(0.07851)	0.00898	0.06866	0.00085	0.38743	0.90445
Motor Vehicle Fuel 343 343	Monthly Charge	varies by customer per their corresponding rate schedule									
	Nov.- Mar. per TH	varies by customer per their corresponding rate schedule									
	Apr.- Oct. per TH	varies by customer per their corresponding rate schedule									
303 Firm General Sales	Monthly Charge	\$800.00									\$800.00
	Demand Charge per TH	0.80000	0.82829		(0.18590)					0.64239	1.44239
	First 15,000 TH/TH	0.26606		0.33101		(0.07851)	0.00898	0.03169	0.00039	0.29356	0.55962
	Next 25,000 TH/TH	0.24091		0.33101		(0.07851)	0.00898	0.03169	0.00039	0.29356	0.53447
	Next 50,000 TH/TH	0.16737		0.33101		(0.07851)	0.00898	0.03169	0.00039	0.29356	0.46093
	Over 90,000 TH/TH	0.08450		0.33101		(0.07851)	0.00898	0.03169	0.00039	0.29356	0.37806
304 Interruptible General Sales	Monthly Charge	\$800.00									\$800.00
	First 15,000 TH/TH	0.18079		0.33101		(0.07851)	0.00898	0.00745	0.00009	0.26902	0.44981
	Next 25,000 TH/TH	0.16300		0.33101		(0.07851)	0.00898	0.00745	0.00009	0.26902	0.43202
	Next 50,000 TH/TH	0.11050		0.33101		(0.07851)	0.00898	0.00745	0.00009	0.26902	0.37952
	Over 90,000 TH/TH	0.04631		0.33101		(0.07851)	0.00898	0.00745	0.00009	0.26902	0.31533
313 Firm Transportation	Monthly Charge	\$800.00									\$800.00
	Demand Charge per TH	0.80000	0.82829		(0.18590)					0.64239	1.44239
	First 15,000 TH/TH	0.26606						0.03169	0.00039	0.03208	0.29814
	Next 25,000 TH/TH	0.24091						0.03169	0.00039	0.03208	0.27299
	Next 50,000 TH/TH	0.16737						0.03169	0.00039	0.03208	0.19945
	Over 90,000 TH/TH	0.08450						0.03169	0.00039	0.03208	0.11658
314 Interruptible Transportation	Monthly Charge	\$800.00									\$800.00
	First 15,000 TH/TH	0.18079						0.00745	0.00009	0.00754	0.18833
	Next 25,000 TH/TH	0.16300						0.00745	0.00009	0.00754	0.17054
	Next 50,000 TH/TH	0.11050						0.00745	0.00009	0.00754	0.11804
	Over 90,000 TH/TH	0.04631						0.00745	0.00009	0.00754	0.05385
310 Resale Service	Demand Charge per TH	0.80000	0.82829		(0.18590)					0.64239	1.44239
	Commodity Charge	0.49063		0.33101		(0.07851)	0.00898	0.03169	0.00039	0.29356	0.78419

## NOTES:

1/ Rates effective for bills rendered on and after the first billing cycle of October 2024

2/ Rate Case Rider rates as approved by the Tennessee Public Utility Commission in the March 21, 2022 Hearing in Docket No. 20-00086. These Rider rates are effective beginning April 1, 2022, and terminate at the earlier of April 1, 2025 or when the approved rider amount has been fully recovered.

3/ In accordance with the Tennessee Public Service Commission order in Docket U-7074 customers metered inside Davidson County are required to pay an additional 6.59% for collection of the Metro Franchise Fee. Customers served by the Ashland City, Fairview, Franklin, Greenbrier, Hartsville, Mt. Juliet and White House systems are required to pay 5.0%. Customers served by the Nolensville system are required to pay 3%.

Piedmont Natural Gas Company, Inc  
2024 ARM Annual Filing  
Comparison of Present and Proposed Rates

Rate Schedule	Description	Present Total Billing Revenue Rates <sup>1</sup> <1>	Change in Revenue Rates <2>	Proposed Total Billing Revenue Rates <sup>2</sup> <3>
Residential 301 301	Monthly Charge-Nov.-Mar.	\$17.45	-	\$17.45
	Monthly Charge-Apr.-Oct.	\$13.45	-	\$13.45
	Nov.- Mar. per TH	0.68231	\$0.45229	1.13460
	Apr.- Oct. per TH	0.56470	\$0.44352	1.00822
Small General 302 302	Monthly Charge	\$44.00	-	\$44.00
	Nov.- Mar. per TH	0.68353	\$0.43290	1.11643
	Apr.- Oct. per TH	0.57095	\$0.42541	0.99636
Medium General 352 352	Monthly Charge	\$225.00	-	\$225.00
	Nov.- Mar. per TH	0.58398	\$0.42241	1.00639
	Apr.- Oct. per TH	0.48780	\$0.41665	0.90445
Motor Vehicle Fuel 343 343	Monthly Charge	varies by customer per their corresponding rate schedule		
	Nov.- Mar. per TH	varies by customer per their corresponding rate schedule		
	Apr.- Oct. per TH	varies by customer per their corresponding rate schedule		
303 Firm General Sales	Monthly Charge	\$800.00	-	\$800.00
	Demand Charge per TH	0.80000	0.64	1.44239
	First 15,000 TH/TH	0.24500	\$0.31462	0.55962
	Next 25,000 TH/TH	0.22050	\$0.31397	0.53447
	Next 50,000 TH/TH	0.15100	\$0.30993	0.46093
	Over 90,000 TH/TH	0.11300	\$0.26506	0.37806
304 Interruptible General Sales	Monthly Charge	\$800.00	-	\$800.00
	First 15,000 TH/TH	0.17000	\$0.27981	0.44981
	Next 25,000 TH/TH	0.14200	\$0.29002	0.43202
	Next 50,000 TH/TH	0.10927	\$0.27025	0.37952
	Over 90,000 TH/TH	0.04500	\$0.27033	0.31533
313 Firm Transportation	Monthly Charge	\$800.00	-	\$800.00
	Demand Charge per TH	0.80000	\$0.64239	1.44239
	First 15,000 TH/TH	0.24500	\$0.05314	0.29814
	Next 25,000 TH/TH	0.22050	\$0.05249	0.27299
	Next 50,000 TH/TH	0.15100	\$0.04845	0.19945
	Over 90,000 TH/TH	0.11300	\$0.00358	0.11658
314 Interruptible Transportation	Monthly Charge	\$800.00	-	\$800.00
	First 15,000 TH/TH	0.17000	\$0.01833	0.18833
	Next 25,000 TH/TH	0.14200	\$0.02854	0.17054
	Next 50,000 TH/TH	0.10927	\$0.00877	0.11804
	Over 90,000 TH/TH	0.04500	\$0.00885	0.05385
310 Resale Service	Demand Charge per TH	0.80000	0.64	1.44239
	Commodity Charge	0.49063	\$0.29356	0.78419

Footnotes:

1/ Total Billing Revenue Rates effective for bills rendered on and after the first billing cycle of May 2024 as reflected on the Eighty-Seventh Revised Sheet No. 1.

2/ Total Proposed Billing Revenue Rates effective for bills rendered on and after the first billing cycle of October 2024 as reflected on the Eighty-Eighth Revised Sheet No. 1 enclosed with Piedmont's 2024 ARM Annual Filing.

**PIEDMONT NATURAL GAS COMPANY, INC.**  
**2024 ANNUAL ARM FILING**

**ATTACHMENT NO. 5A**  
**PROPOSED MODIFIED TARIFF**  
**CHANGES**

PIEDMONT NATURAL GAS COMPANY, INC.  
Tennessee Service Territory  
Billing Rates Effective<sup>1</sup>: October 1, 2024

Proposed Modified ARM Rates Eighty-Eighth Revised Sheet

Rate Schedule	Description	PROPOSED Tariff Base Rate Per 2024 Annual ARM Filing <1>	Cumulative PGA Demand <2>	Commodity <3>	Current ACA Demand <4a>	Commodity <4b>	Current IPA <5>	ARM Rider Rates <6>	Rate Case Rider <sup>2</sup> <7>	Total Adj. Factor (Sum Col.2 thru Col.7) <8>	Billing Rate <sup>3</sup> (Col.1 + Col.8) <9>
Residential 301 301	Monthly Charge-Nov.-Mar.	\$17.45									\$17.45
	Monthly Charge-Apr.-Oct.	\$13.45									\$13.45
	Nov. - Mar. per TH	0.73284	0.07577	0.33101	(0.01933)	(0.07851)	0.00898	0.06568	0.00101	0.38461	1.11745
	Apr.- Oct. per TH	0.60652	0.07577	0.33101	(0.01933)	(0.07851)	0.00898	0.06568	0.00101	0.38461	0.99113
Small General 302 302	Monthly Charge	\$44.00									\$44.00
	Nov. - Mar. per TH	0.72870	0.07577	0.33101	(0.01933)	(0.07851)	0.00898	0.05467	0.00085	0.37344	1.10214
	Apr.- Oct. per TH	0.60868	0.07577	0.33101	(0.01933)	(0.07851)	0.00898	0.05467	0.00085	0.37344	0.98212
Medium General 352 352	Monthly Charge	\$225.00									\$225.00
	Nov. - Mar. per TH	0.61873	0.07577	0.33101	(0.01933)	(0.07851)	0.00898	0.05467	0.00085	0.37344	0.99217
	Apr.- Oct. per TH	0.51683	0.07577	0.33101	(0.01933)	(0.07851)	0.00898	0.05467	0.00085	0.37344	0.89027
Motor Vehicle Fuel 343 343	Monthly Charge	varies by customer per their corresponding rate schedule									
	Nov. - Mar. per TH	varies by customer per their corresponding rate schedule									
	Apr.- Oct. per TH	varies by customer per their corresponding rate schedule									
303 Firm General Sales	Monthly Charge	\$800.00									\$800.00
	Demand Charge per TH	0.80000	0.82829		(0.18590)					0.64239	1.44239
	First 15,000 TH/TH	0.26586		0.33101		(0.07851)	0.00898	0.02523	0.00039	0.28710	0.55296
	Next 25,000 TH/TH	0.24091		0.33101		(0.07851)	0.00898	0.02523	0.00039	0.28710	0.52801
	Next 50,000 TH/TH	0.16737		0.33101		(0.07851)	0.00898	0.02523	0.00039	0.28710	0.45447
	Over 90,000 TH/TH	0.08420		0.33101		(0.07851)	0.00898	0.02523	0.00039	0.28710	0.37130
304 Interruptible General Sales	Monthly Charge	\$800.00									\$800.00
	First 15,000 TH/TH	0.18079		0.33101		(0.07851)	0.00898	0.00593	0.00009	0.26750	0.44829
	Next 25,000 TH/TH	0.16300		0.33101		(0.07851)	0.00898	0.00593	0.00009	0.26750	0.43050
	Next 50,000 TH/TH	0.11052		0.33101		(0.07851)	0.00898	0.00593	0.00009	0.26750	0.37802
	Over 90,000 TH/TH	0.04626		0.33101		(0.07851)	0.00898	0.00593	0.00009	0.26750	0.31376
313 Firm Transportation	Monthly Charge	\$800.00									\$800.00
	Demand Charge per TH	0.80000	0.82829		(0.18590)					0.64239	1.44239
	First 15,000 TH/TH	0.26586						0.02523	0.00039	0.02562	0.29148
	Next 25,000 TH/TH	0.24091						0.02523	0.00039	0.02562	0.26653
	Next 50,000 TH/TH	0.16737						0.02523	0.00039	0.02562	0.19299
	Over 90,000 TH/TH	0.08420						0.02523	0.00039	0.02562	0.10982
314 Interruptible Transportation	Monthly Charge	\$800.00									\$800.00
	First 15,000 TH/TH	0.18079						0.00593	0.00009	0.00602	0.18681
	Next 25,000 TH/TH	0.16300						0.00593	0.00009	0.00602	0.16902
	Next 50,000 TH/TH	0.11052						0.00593	0.00009	0.00602	0.11654
	Over 90,000 TH/TH	0.04626						0.00593	0.00009	0.00602	0.05228
310 Resale Service	Demand Charge per TH	0.80000	0.82829		(0.18590)					0.64239	1.44239
	Commodity Charge	0.49063		0.33101		(0.07851)	0.00898	0.02523	0.00039	0.28710	0.77773

## NOTES:

1/ Rates effective for bills rendered on and after the first billing cycle of October 2024

2/ Rate Case Rider rates as approved by the Tennessee Public Utility Commission in the March 21, 2022 Hearing in Docket No. 20-00086. These Rider rates are effective beginning April 1, 2022, and terminate at the earlier of April 1, 2025 or when the approved rider amount has been fully recovered.

3/ In accordance with the Tennessee Public Service Commission order in Docket U-7074 customers metered inside Davidson County are required to pay an additional 6.59% for collection of the Metro Franchise Fee. Customers served by the Ashland City, Fairview, Franklin, Greenbrier, Hartsville, Mt. Juliet and White House systems are required to pay 5.0%. Customers served by the Nolensville system are required to pay 3%.

Piedmont Natural Gas Company, Inc  
2024 ARM Annual Filing  
Comparison of Present and Proposed Rates

## Proposed Modified ARM Rates

Rate Schedule	Description	Present Total Billing Revenue Rates <sup>1</sup> <1>	Change in Revenue Rates <2>	Proposed Total Billing Revenue Rates <sup>2</sup> <3>
Residential 301 301	Monthly Charge-Nov.-Mar.	\$17.45	-	\$17.45
	Monthly Charge-Apr.-Oct.	\$13.45	-	\$13.45
	Nov.- Mar. per TH	0.68231	\$0.43514	1.11745
	Apr.- Oct. per TH	0.56470	\$0.42643	0.99113
Small General 302 302	Monthly Charge	\$44.00	-	\$44.00
	Nov.- Mar. per TH	0.68353	\$0.41861	1.10214
	Apr.- Oct. per TH	0.57095	\$0.41117	0.98212
Medium General 352 352	Monthly Charge	\$225.00	-	\$225.00
	Nov.- Mar. per TH	0.58398	\$0.40819	0.99217
	Apr.- Oct. per TH	0.48780	\$0.40247	0.89027
Motor Vehicle Fuel 343 343	Monthly Charge	varies by customer per their corresponding rate schedule		
	Nov.- Mar. per TH	varies by customer per their corresponding rate schedule		
	Apr.- Oct. per TH	varies by customer per their corresponding rate schedule		
303 Firm General Sales	Monthly Charge	\$800.00	-	\$800.00
	Demand Charge per TH	0.80000	0.64	1.44239
	First 15,000 TH/TH	0.24500	\$0.30796	0.55296
	Next 25,000 TH/TH	0.22050	\$0.30751	0.52801
	Next 50,000 TH/TH	0.15100	\$0.30347	0.45447
	Over 90,000 TH/TH	0.11300	\$0.25830	0.37130
304 Interruptible General Sales	Monthly Charge	\$800.00	-	\$800.00
	First 15,000 TH/TH	0.17000	\$0.27829	0.44829
	Next 25,000 TH/TH	0.14200	\$0.28850	0.43050
	Next 50,000 TH/TH	0.10927	\$0.26875	0.37802
	Over 90,000 TH/TH	0.04500	\$0.26876	0.31376
313 Firm Transportation	Monthly Charge	\$800.00	-	\$800.00
	Demand Charge per TH	0.80000	\$0.64239	1.44239
	First 15,000 TH/TH	0.24500	\$0.04648	0.29148
	Next 25,000 TH/TH	0.22050	\$0.04603	0.26653
	Next 50,000 TH/TH	0.15100	\$0.04199	0.19299
	Over 90,000 TH/TH	0.11300	(\$0.00318)	0.10982
314 Interruptible Transportation	Monthly Charge	\$800.00	-	\$800.00
	First 15,000 TH/TH	0.17000	\$0.01681	0.18681
	Next 25,000 TH/TH	0.14200	\$0.02702	0.16902
	Next 50,000 TH/TH	0.10927	\$0.00727	0.11654
	Over 90,000 TH/TH	0.04500	\$0.00728	0.05228
310 Resale Service	Demand Charge per TH	0.80000	0.64	1.44239
	Commodity Charge	0.49063	\$0.28710	0.77773

Footnotes:

1/ Total Billing Revenue Rates effective for bills rendered on and after the first billing cycle of May 2024 as reflected on the Eighty-Seventh Revised Sheet No. 1.

2/ Total Proposed Billing Revenue Rates effective for bills rendered on and after the first billing cycle of October 2024 as reflected on the Proposed Modified Eighty-Eighth Revised Sheet No. 1 enclosed with Piedmont's 2024 ARM Annual Filing.

**PIEDMONT NATURAL GAS COMPANY, INC.**  
**2024 ANNUAL ARM FILING**

**ATTACHMENT NO. 7**  
**PROPOSED DEPRECIATION STUDY**



# **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 \$27.0 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 \$14.5 million; an increase of \$2.3 million for SC; an increase of \$4.6 million for TN; an increase of \$3.5 million for 2 State; and an increase of \$2.2 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 \$248.3 million based on PNG's depreciable investment at December 31, 2022. The annual depreciation expense calculated using the currently approved rates is \$221.3 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.

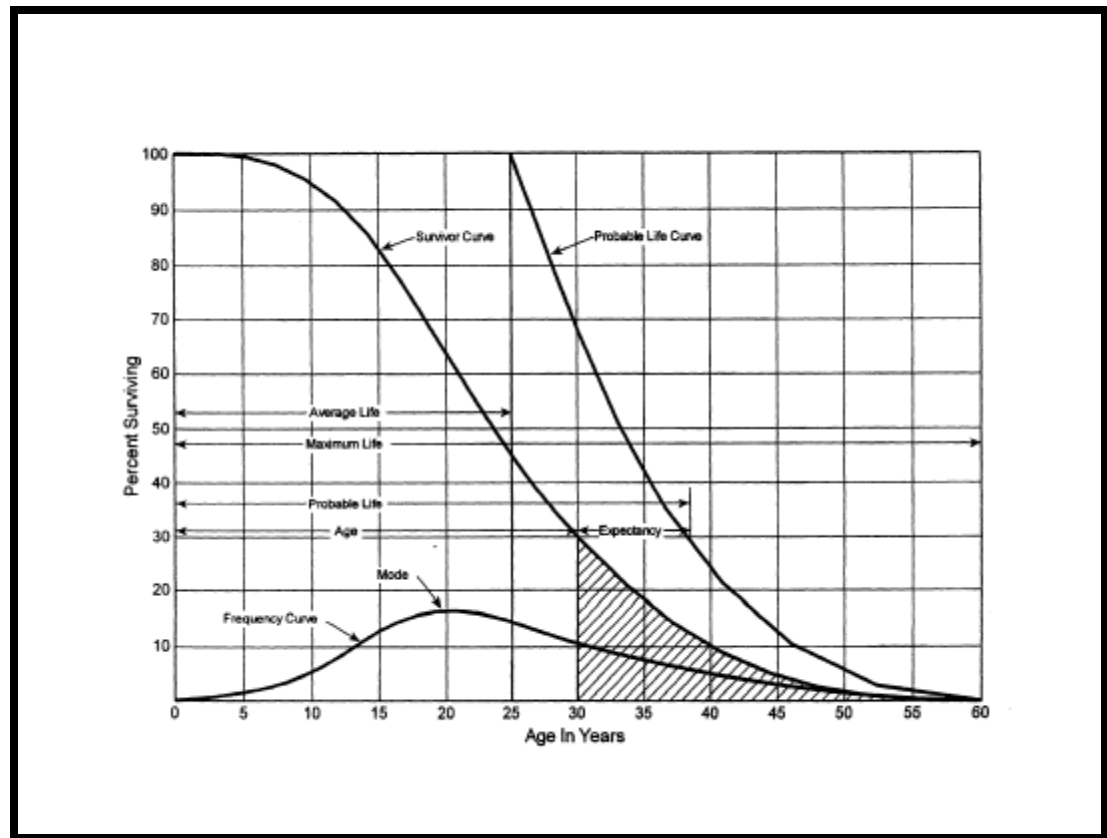
### **Basis of Depreciation Estimates**

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.

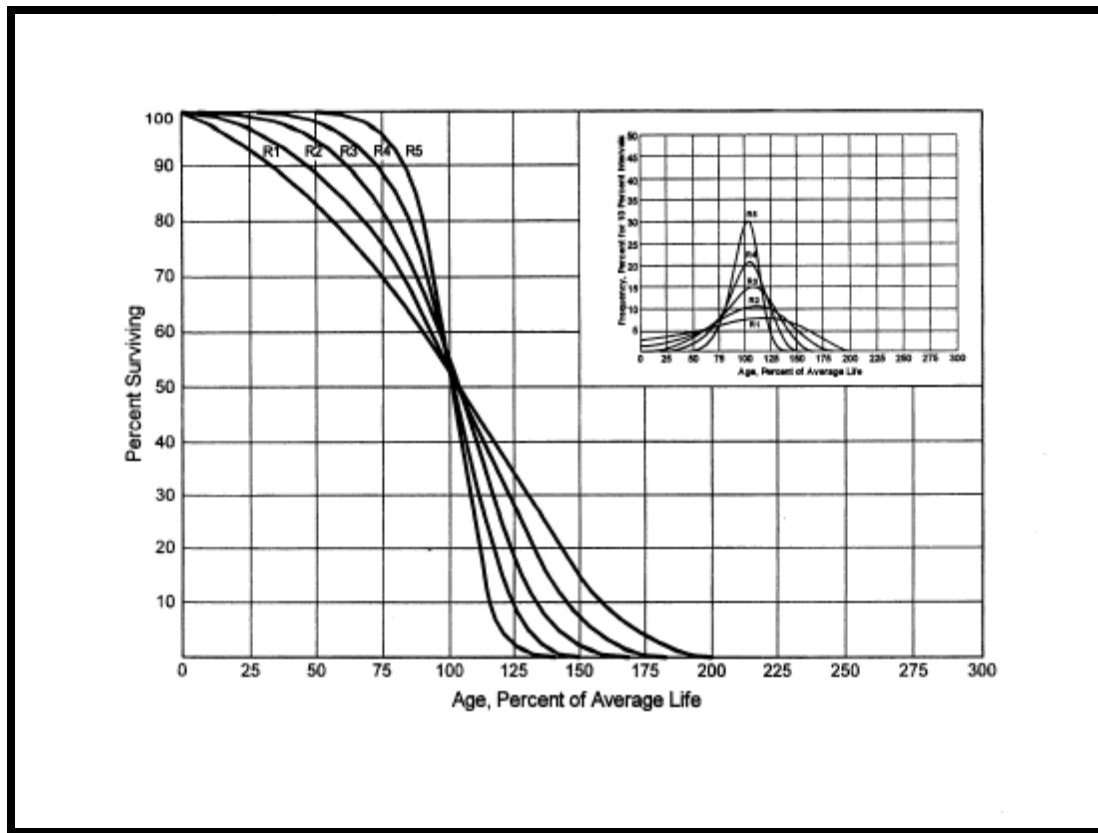
Actuarial analysis was used with each account where sufficient data was available, and judgment was used to some degree on all accounts.

### **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 1<sup>1</sup> documents the steps used in conducting this study. Depreciation Systems<sup>2</sup> 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.

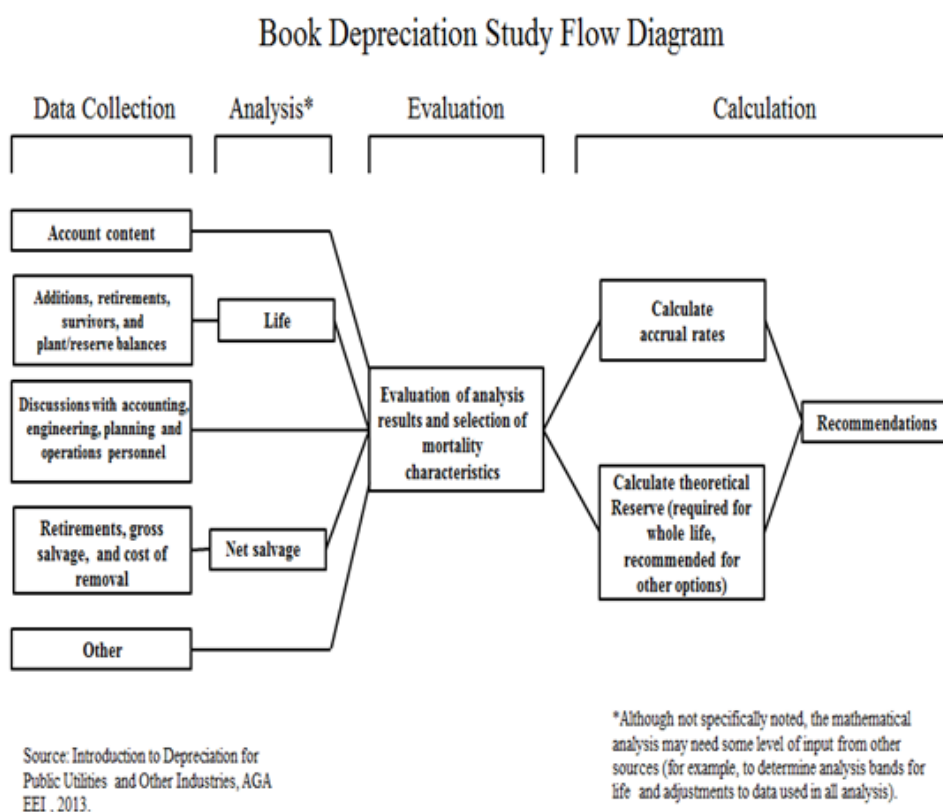


Figure 1

## **PNG DEPRECIATION STUDY PROCESS**

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

<sup>2</sup> 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.

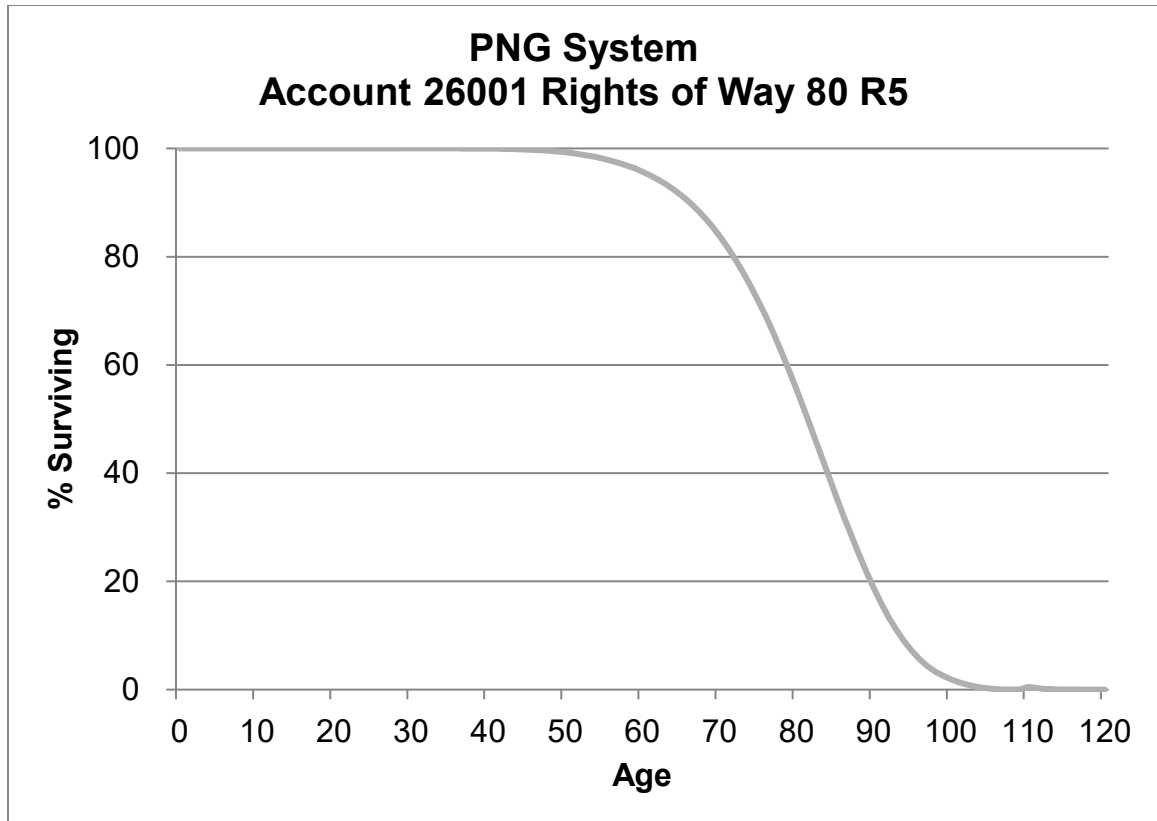
In the specific account life and net salvage analysis results that follow, the data and activity was combined for analysis. The recommended life and net salvage parameters are then applied to the individual entities' (NC, SC, TN, 2 State, and 3 State) balances and allocated reserves at December 31, 2022 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.

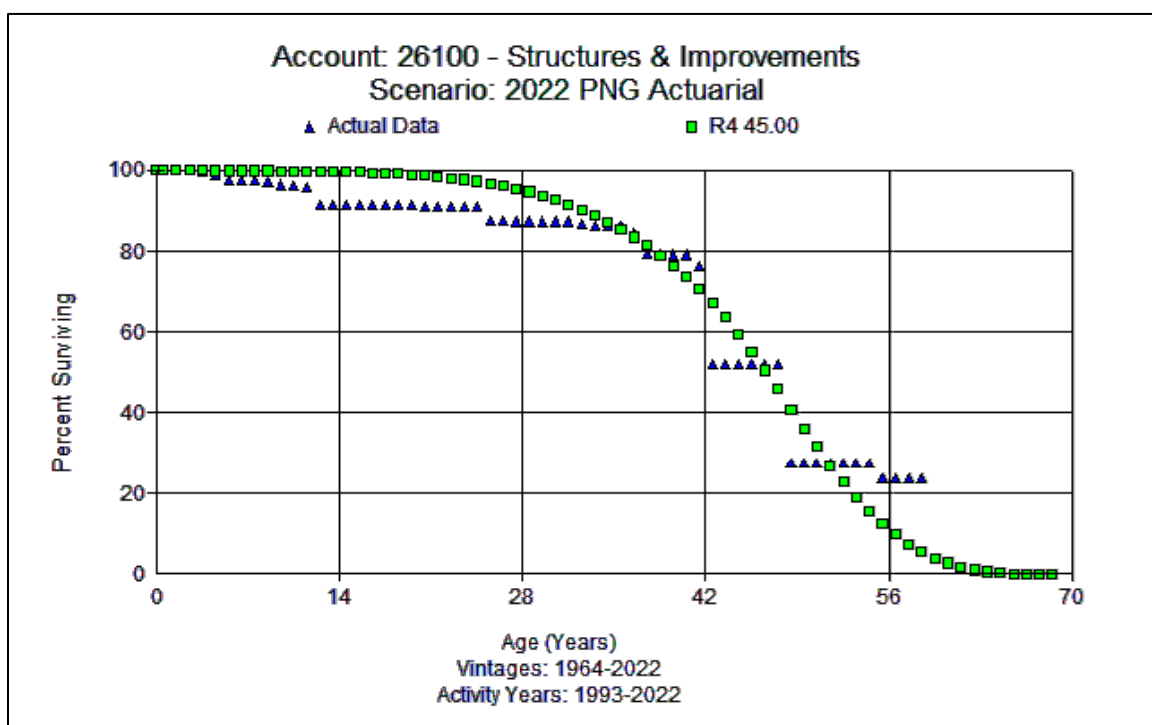


### Account 26100 Structures and Improvements (45 R4)

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.

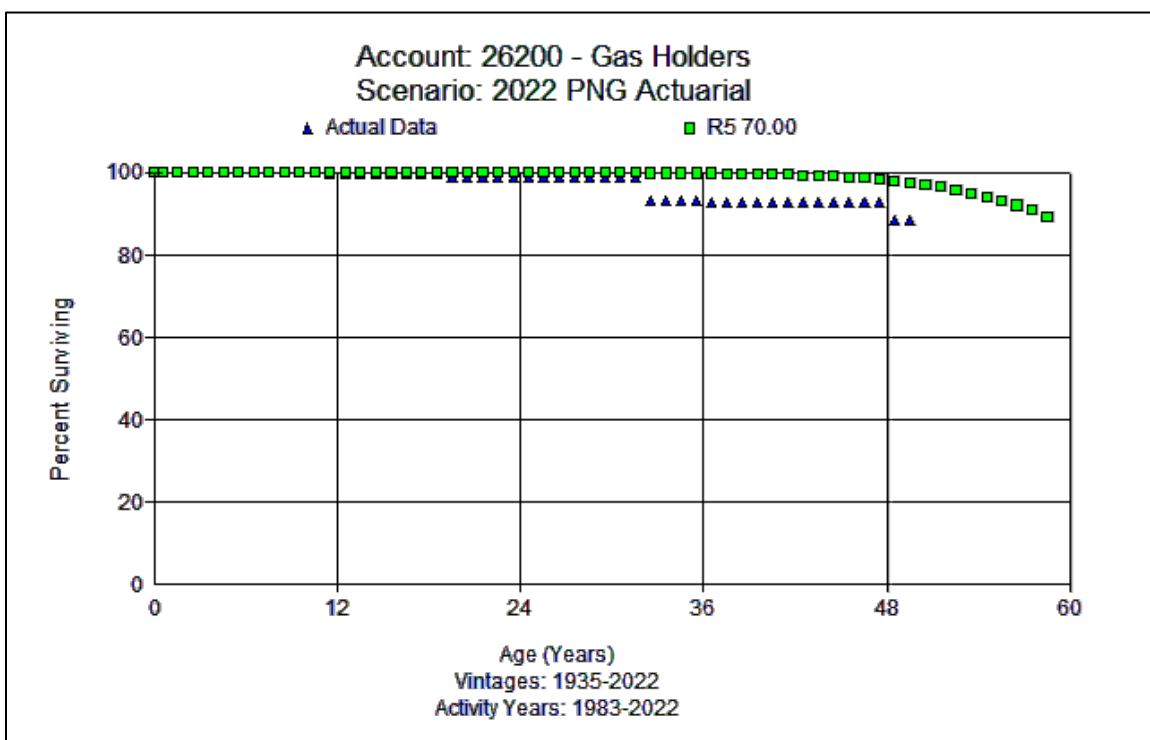


### Account 26200 Gas Holders (70 R5)

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.



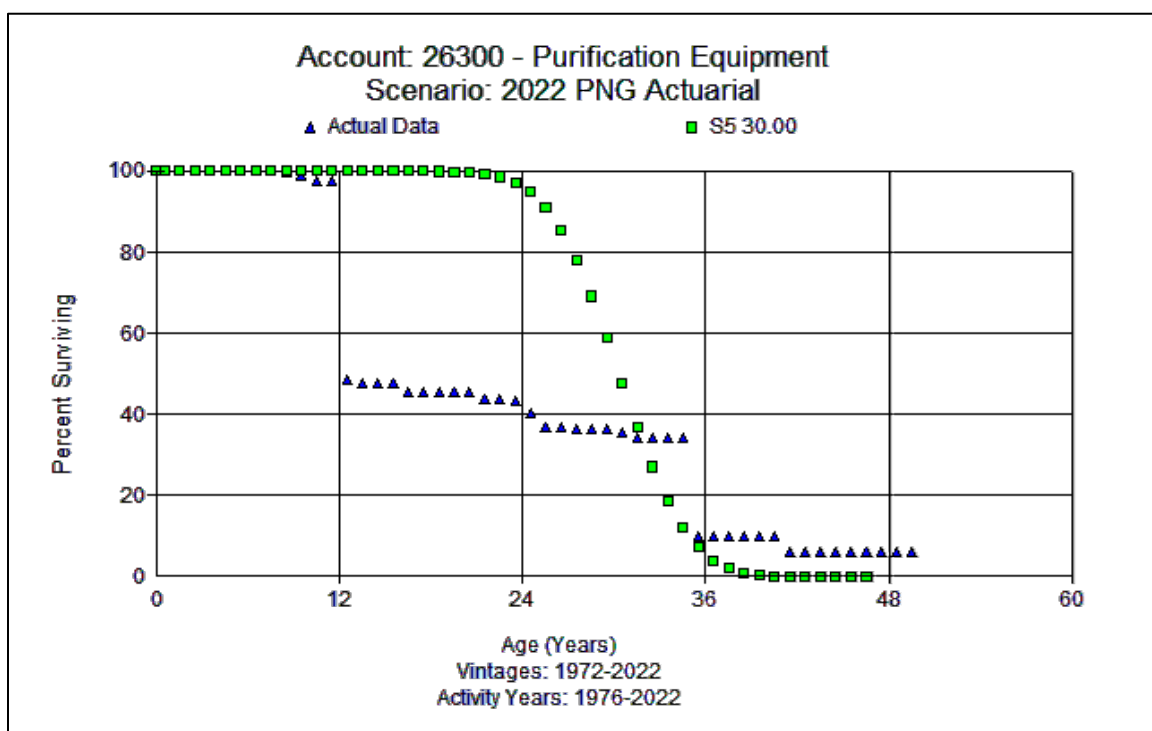


### Account 26300 Purification Equipment (30 S5)

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.

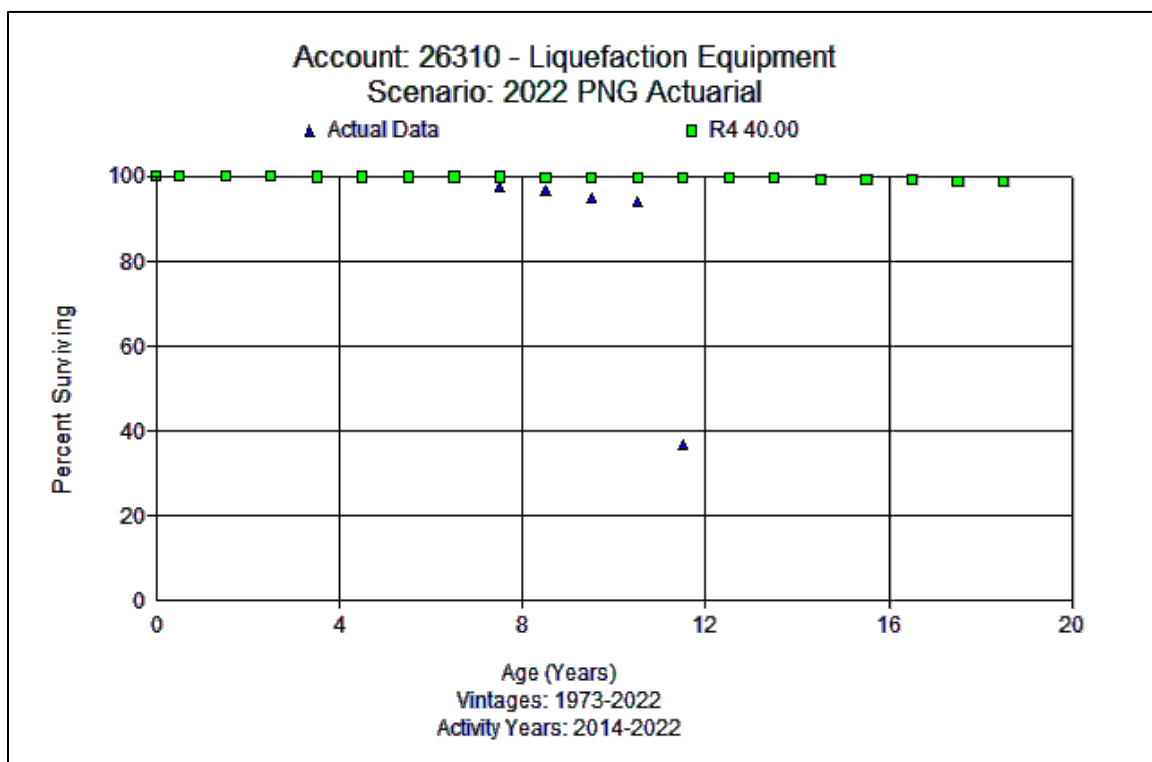


### Account 26310 Liquefaction Equipment (40 R4)

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.

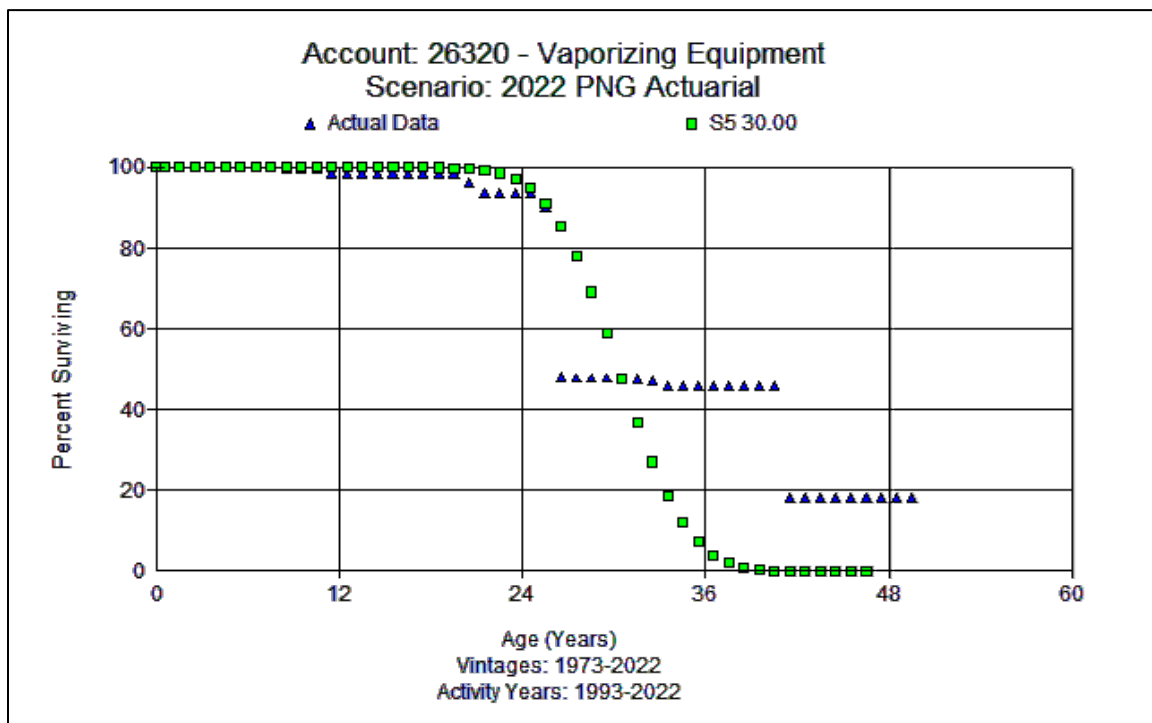


### Account 26320 Vaporizing Equipment (30 S5)

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.

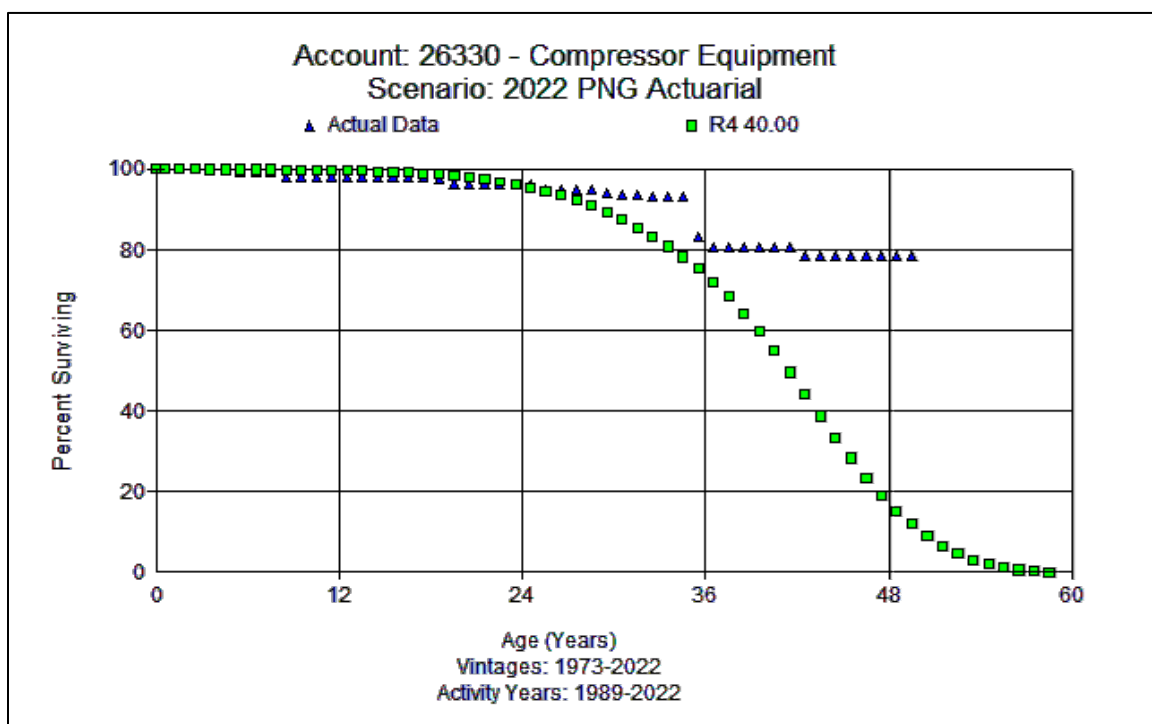


### Account 26330 Compressor Equipment (40 R4)

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.

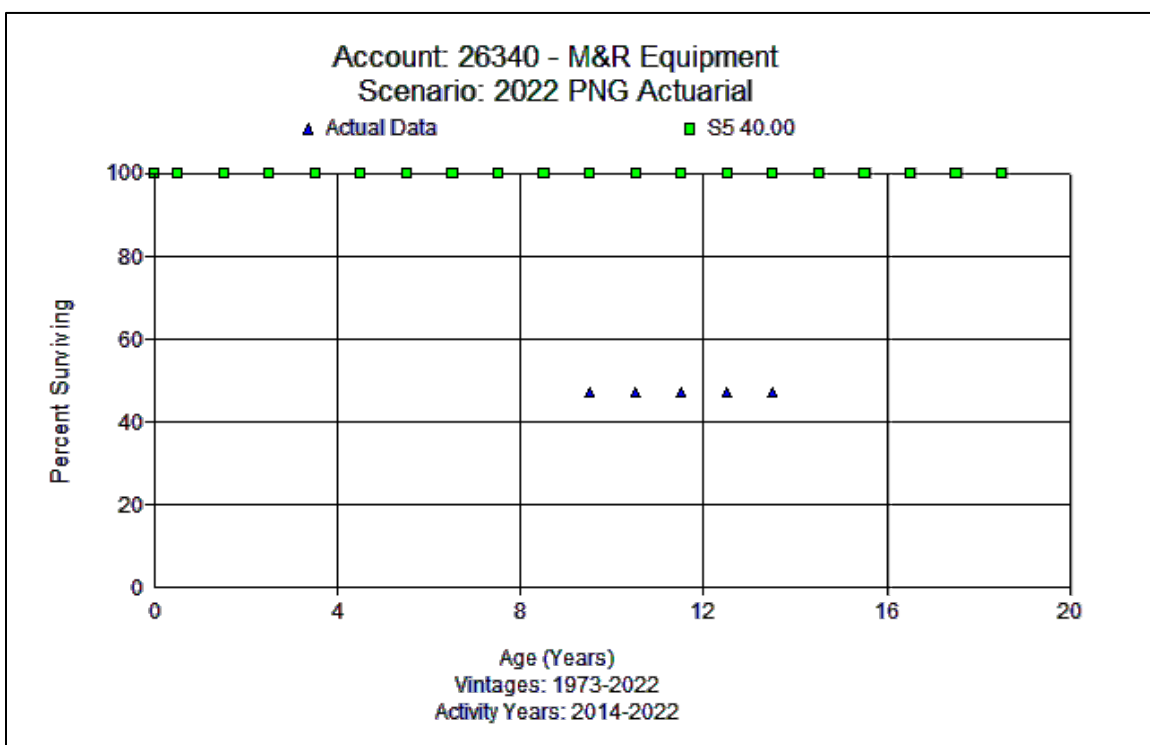


### Account 26340 M&R Equipment (40 S5)

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.

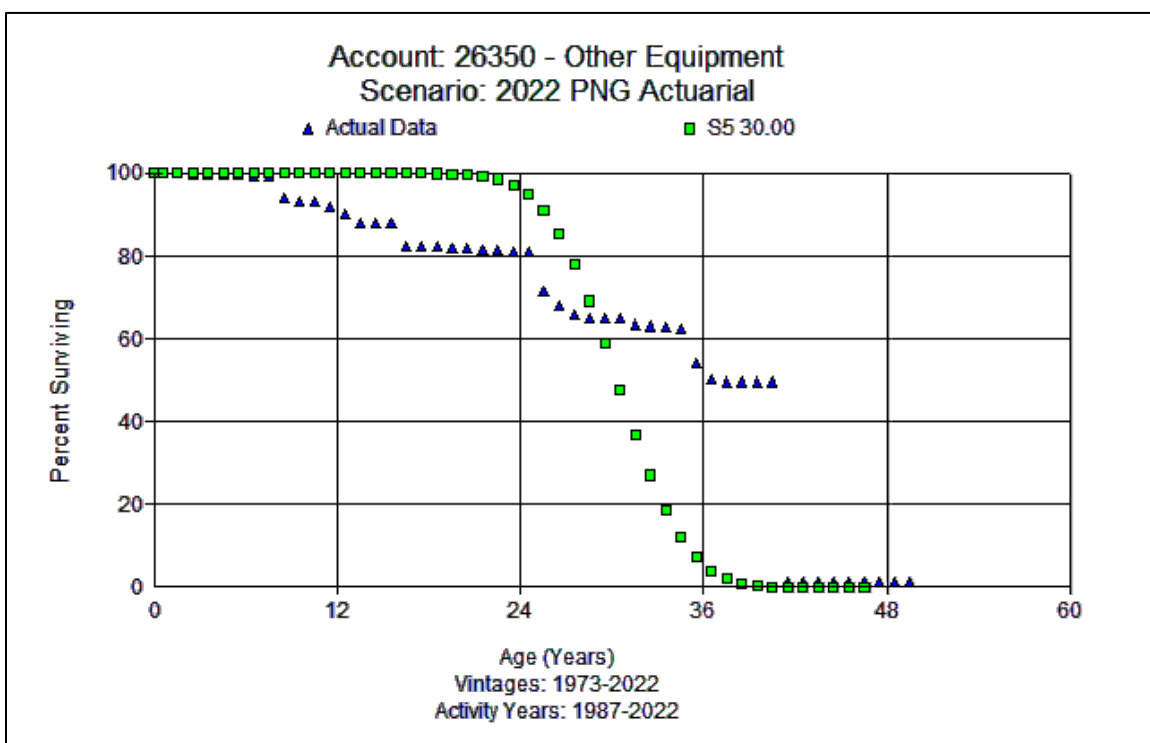


### Account 26350 Other Equipment (30 S5)

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.

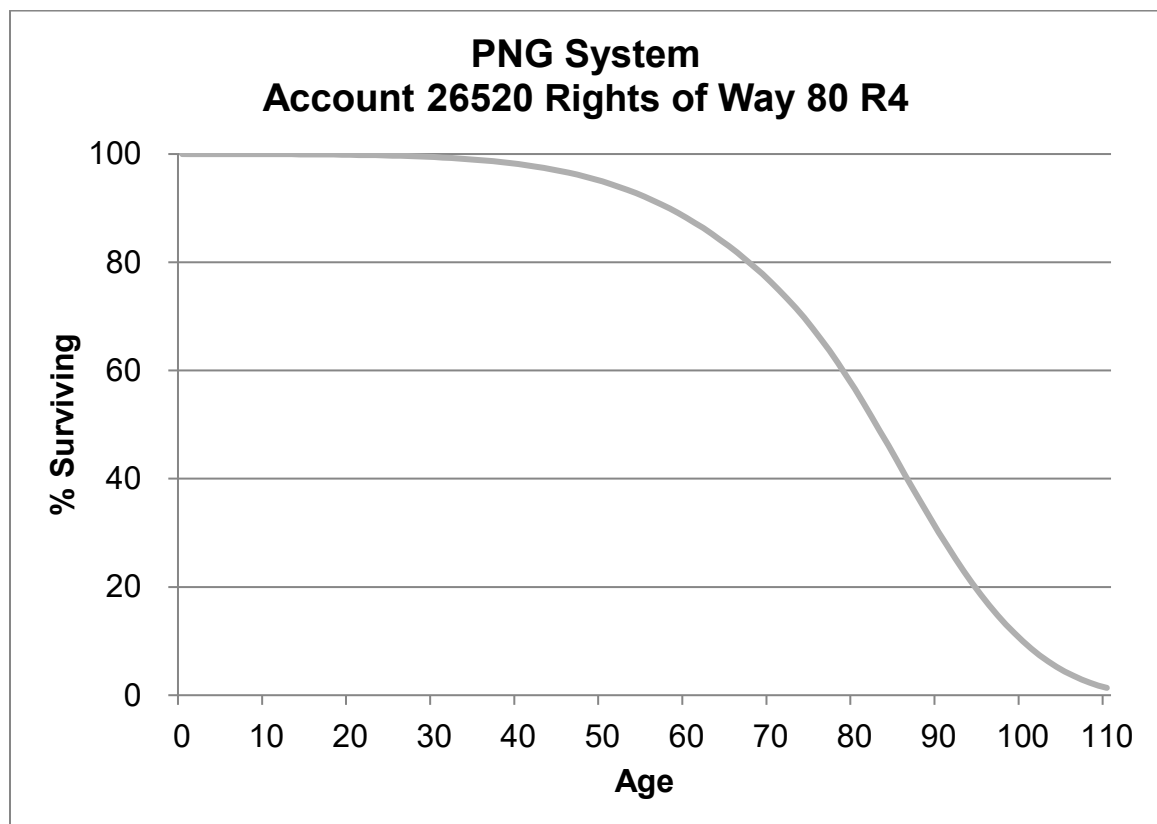


### **Transmission Plant**

#### **Account 26520 Rights of Way (80 R4)**

This account includes of 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.

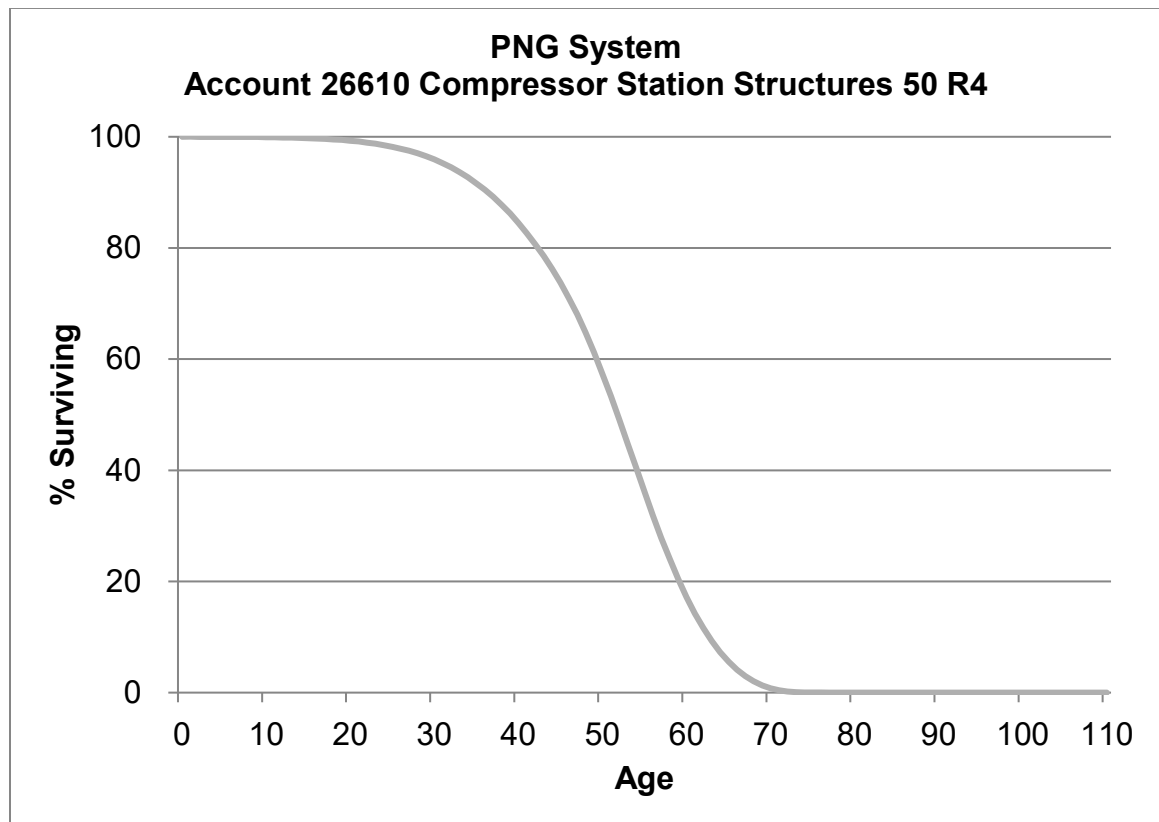
There have been no retirements recorded and few are expected. These land rights are generally used in conjunction with the installation of mains, so a reasonable expectation is the life would equal or exceed the life of mains. Based on the life of Account 367, Mains, this study recommends increasing 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.

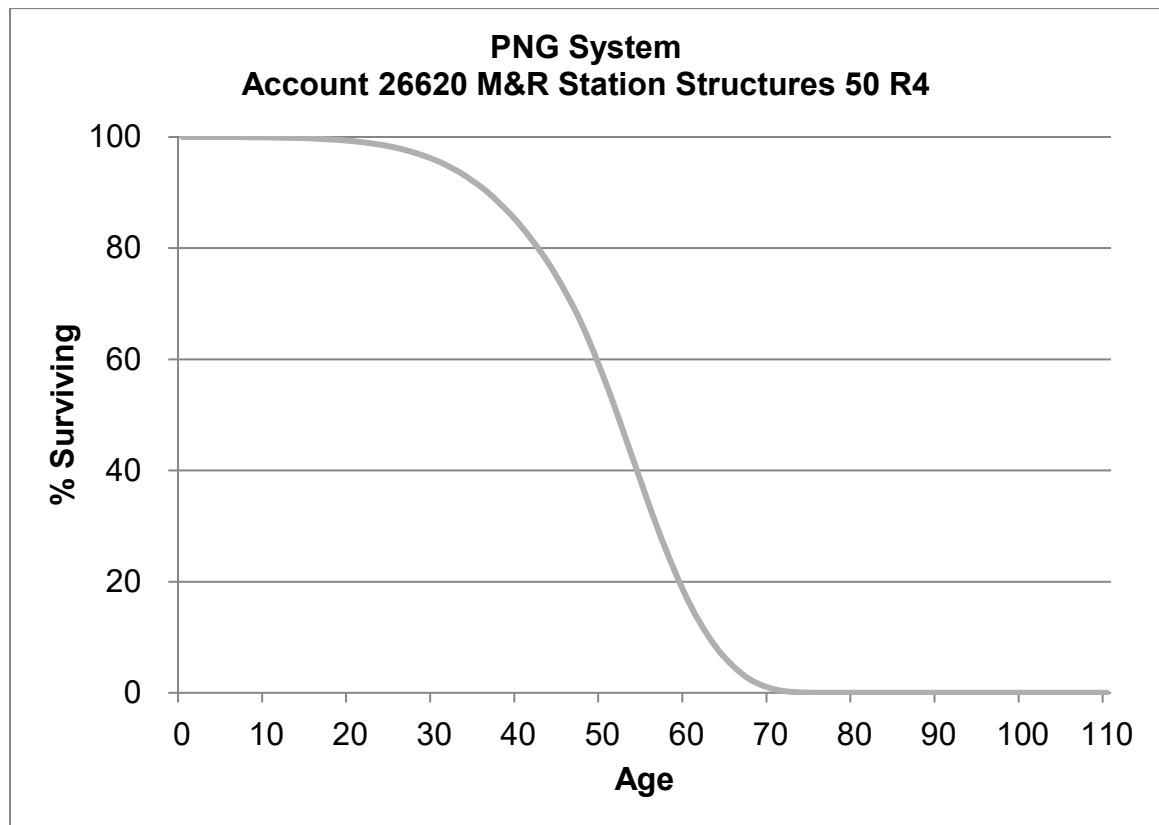




### **Account 26620 M&R Station Structures & Improvements (50 R4)**

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.

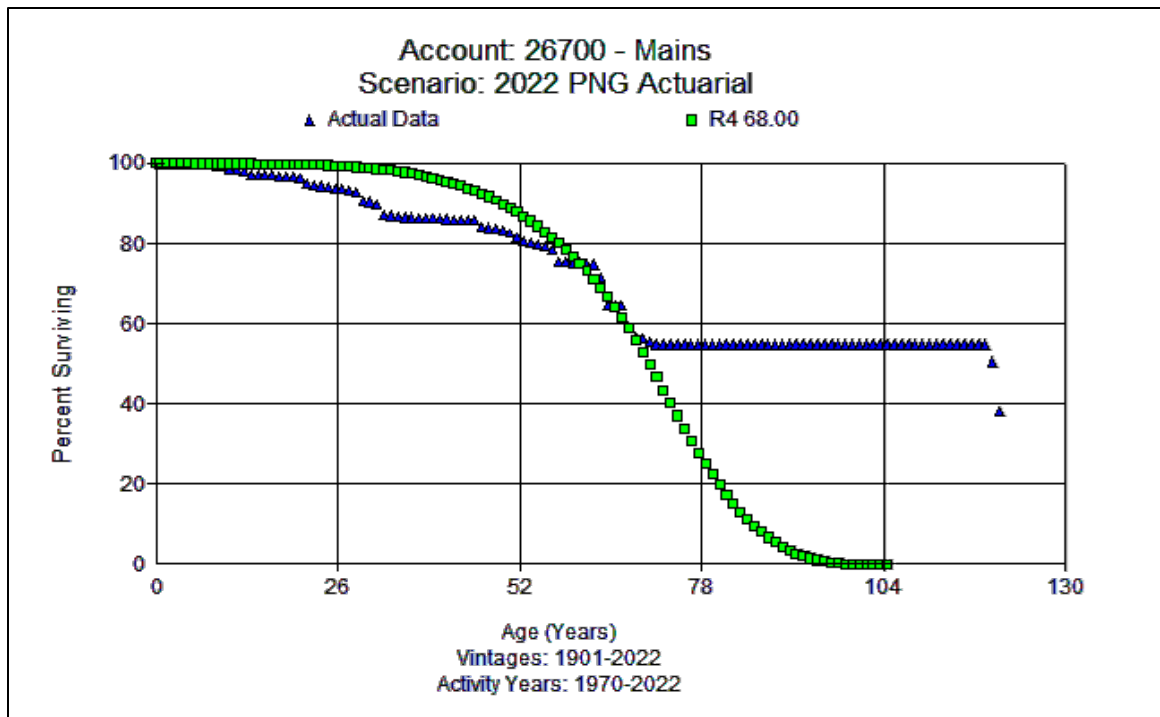


### **Account 26700 Mains & Cathodic Protection (68 R4)**

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.

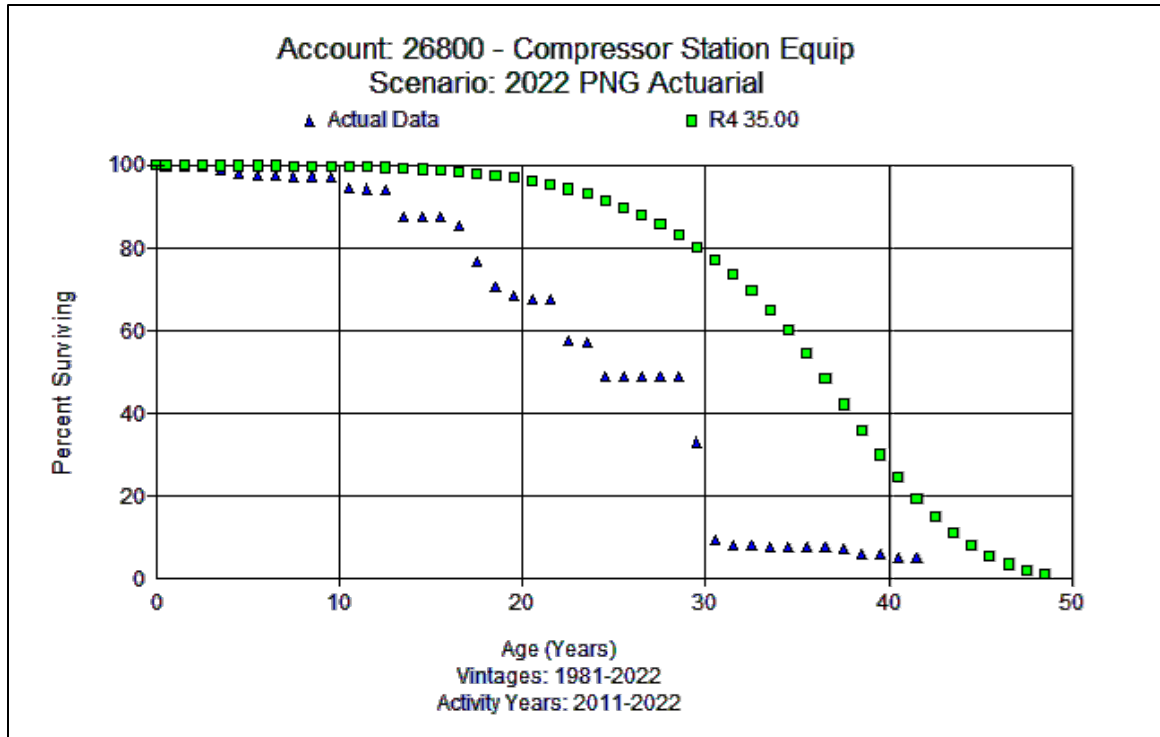


### **Account 26800 Compressor Station Equipment (35 R4)**

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.

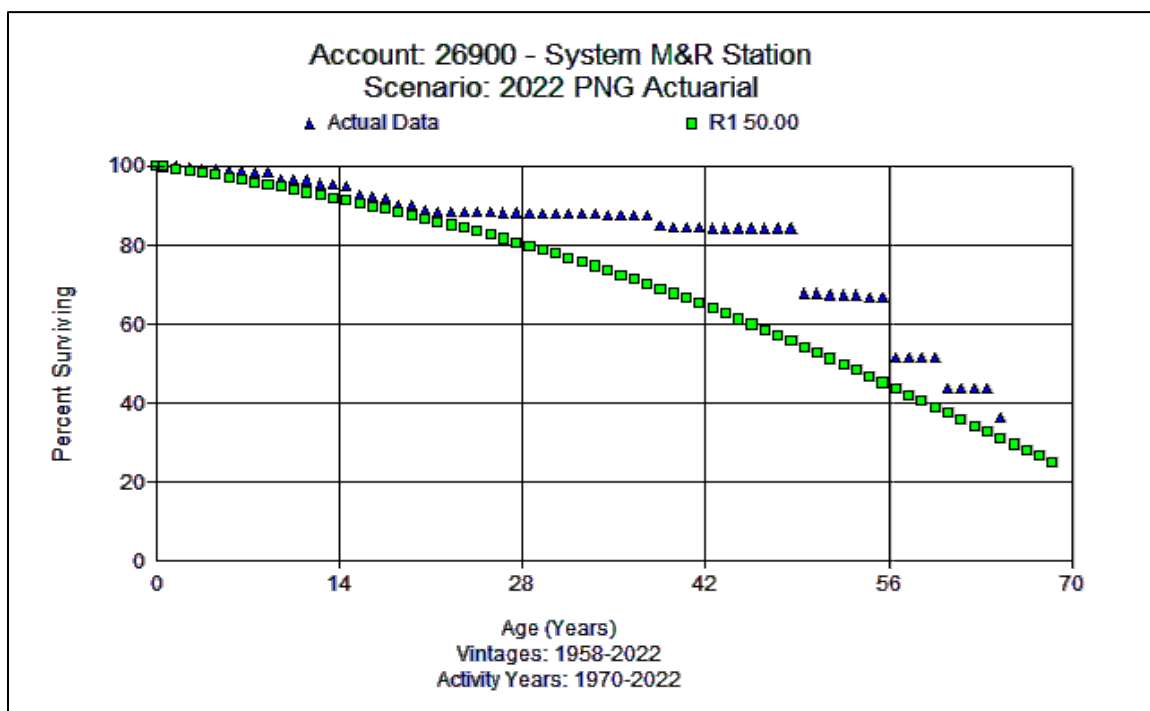


### Account 26900 M&R Station Equipment (50 R1)

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.

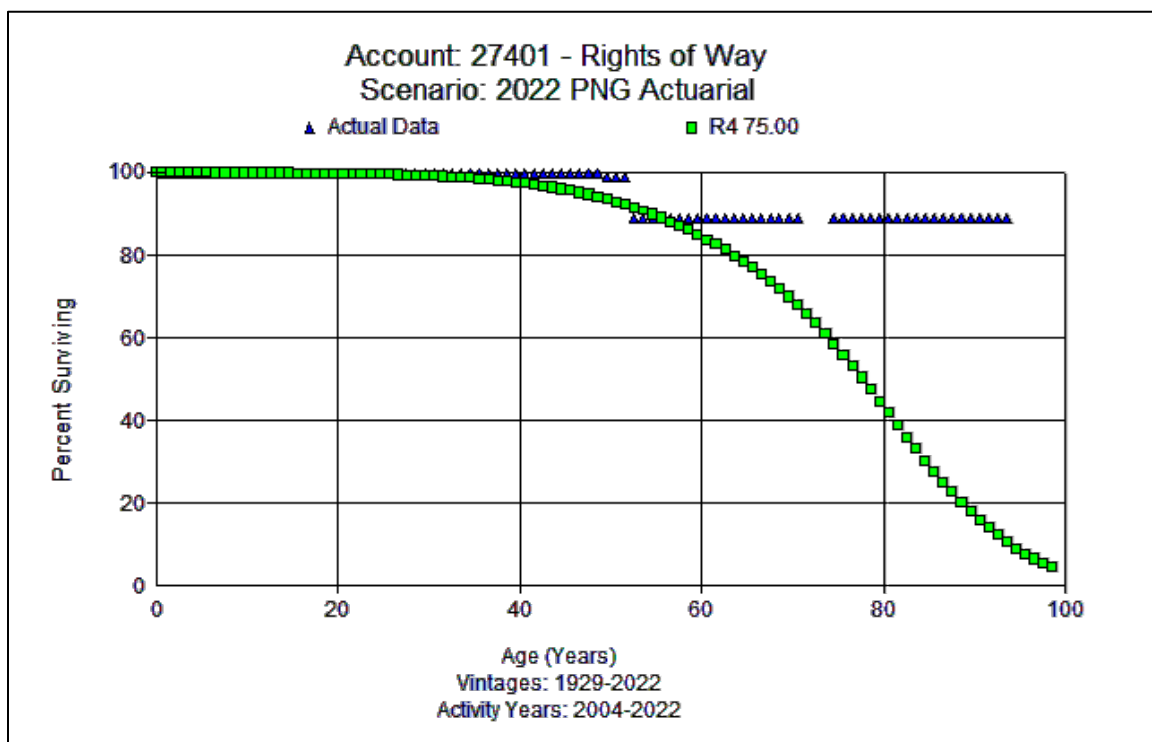


## **Distribution Plant**

### **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.

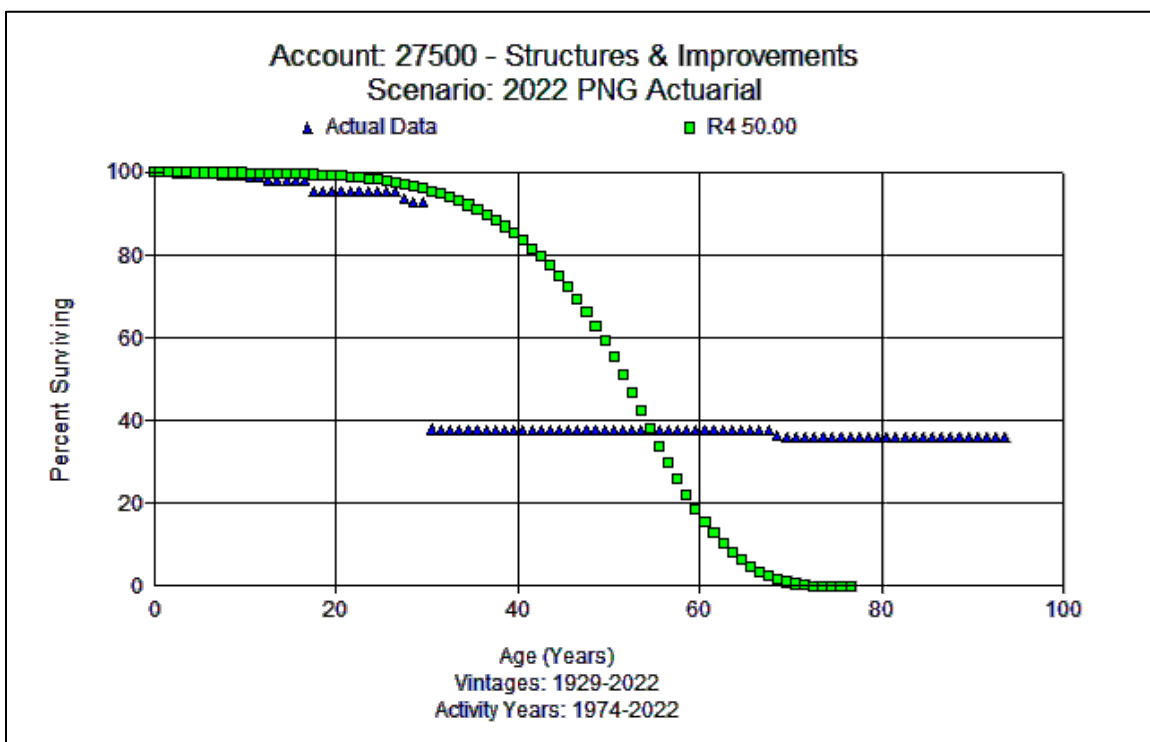


### Account 27500 Structures and Improvements (50 R4)

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.



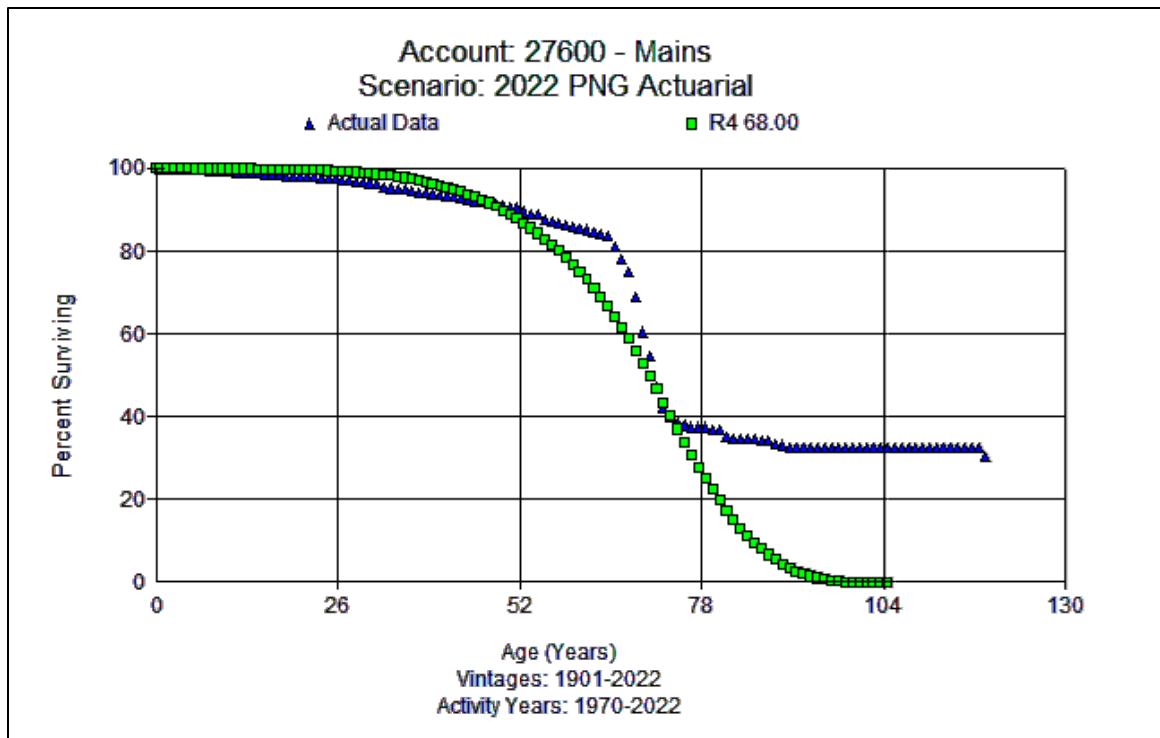


### **Account 27600 Mains – All (68 R4)**

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.

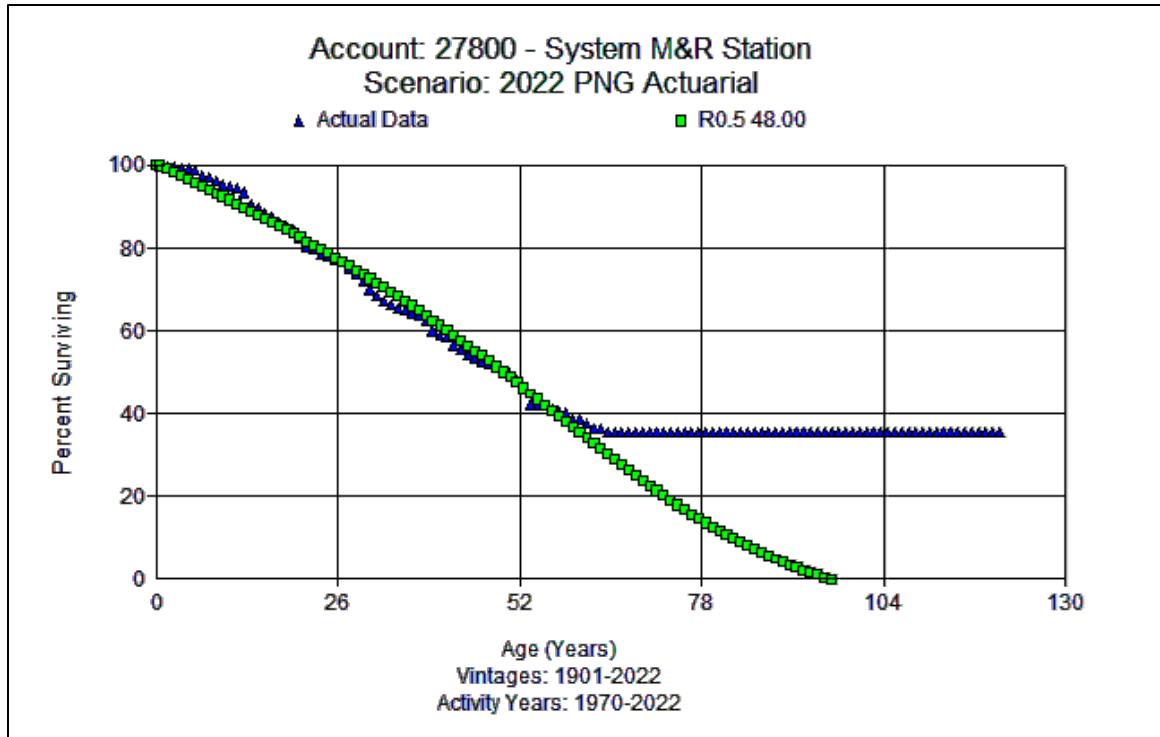


### **Account 27800 M&R Station Equipment (48 R0.5)**

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.

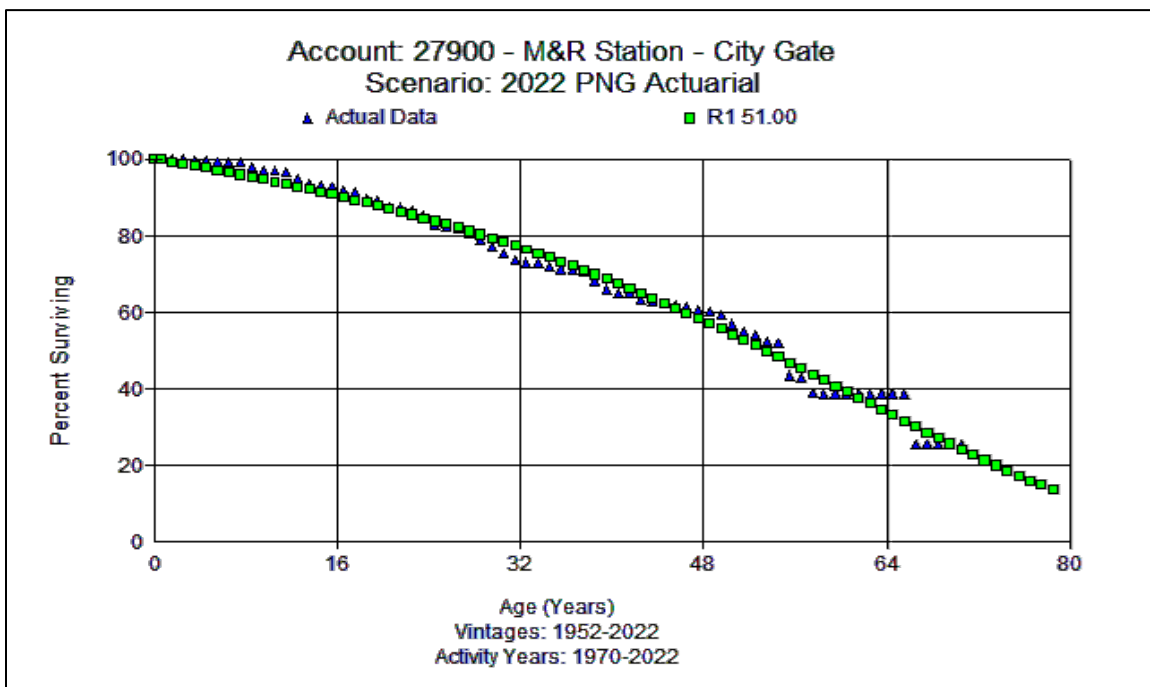


### Account 27900 M&R City Gate Equip. (51 R1)

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.

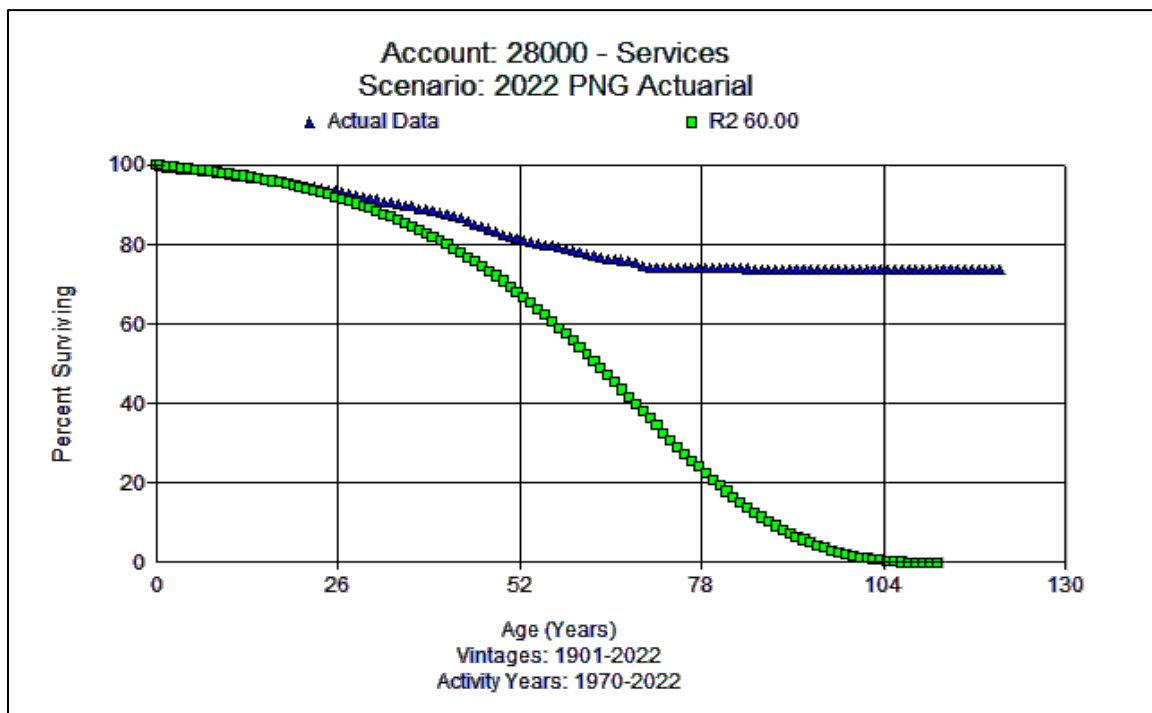


### Account 28000 Services (60 R2)

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.

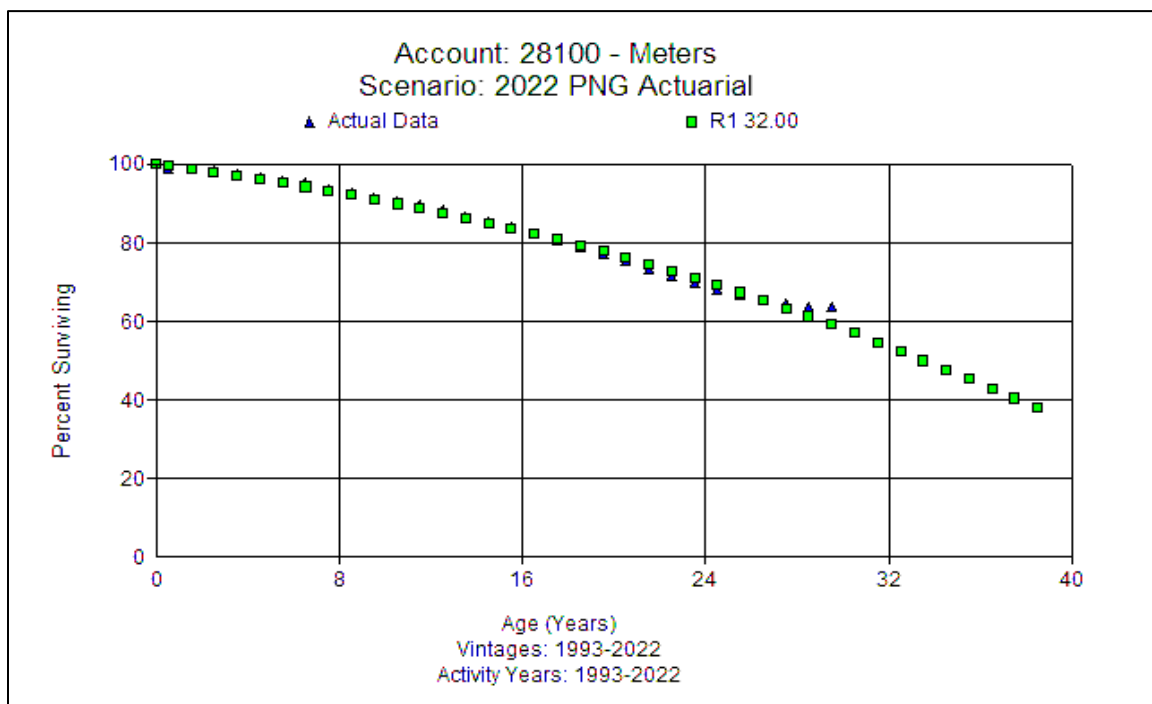


### Account 28100 Meters – Commercial & Industrial (32 R1)

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.

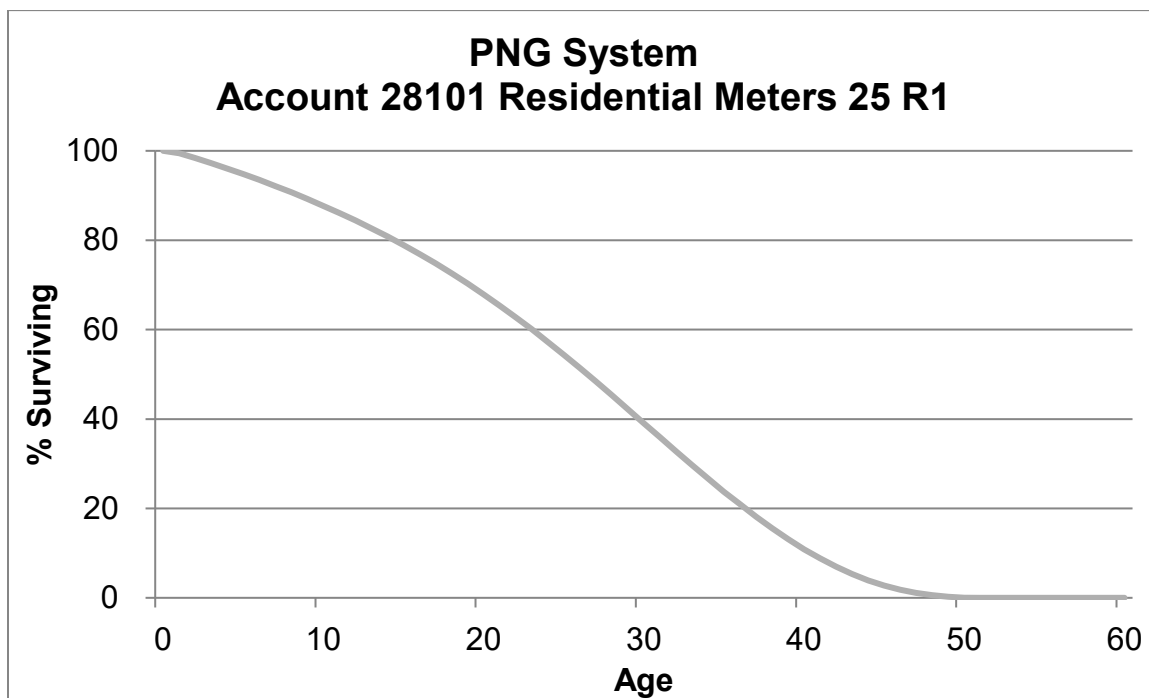


### **Account 28101 Meters – Residential (25 R1)**

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.

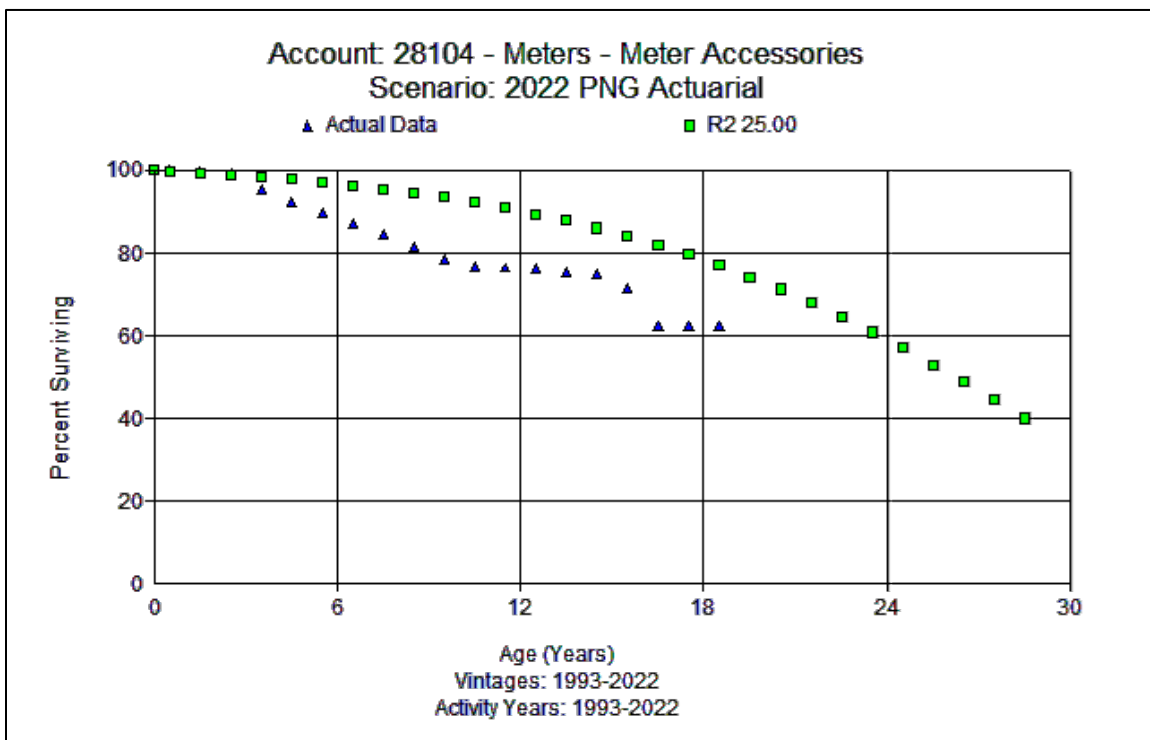




### Account 28104 Meter Accessories (25 R2)

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.

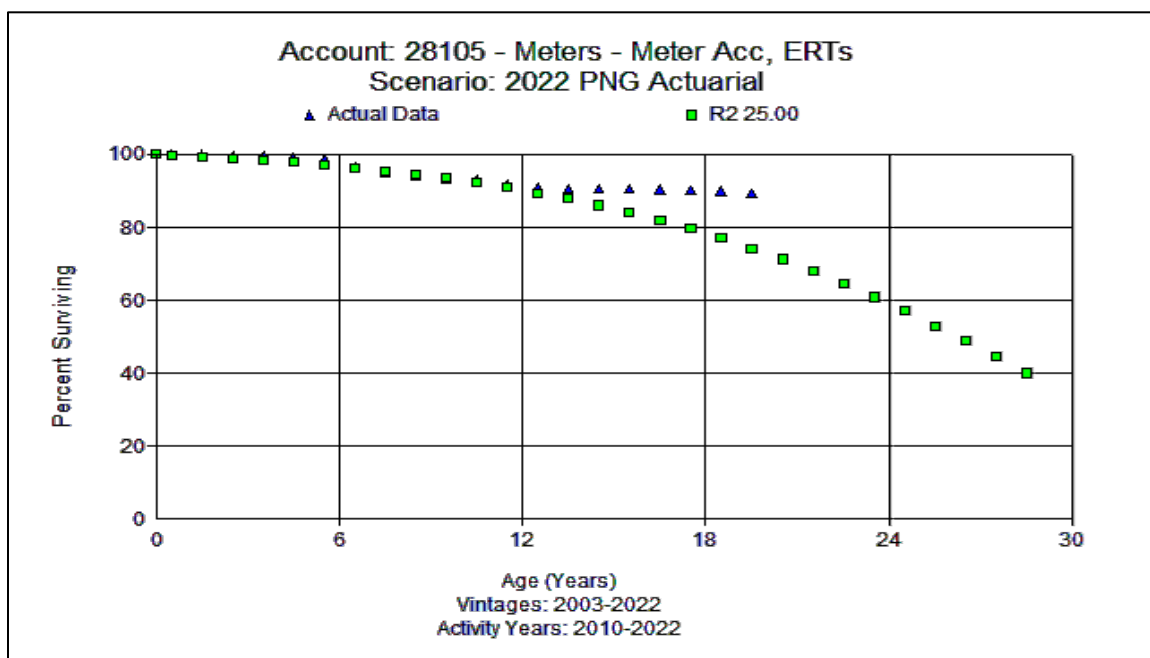


### Account 28105 Meter Accessories & ERTS (25 R2)

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.

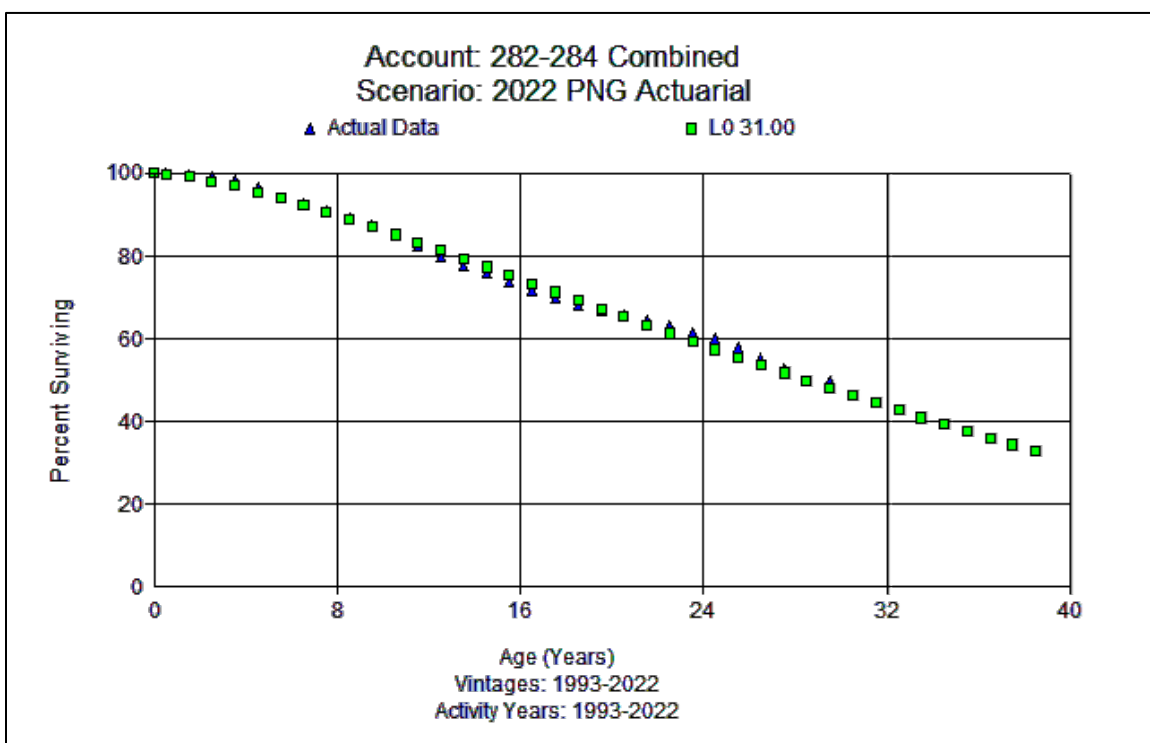


### Account 28200 Meter Installations (31 L0)

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.

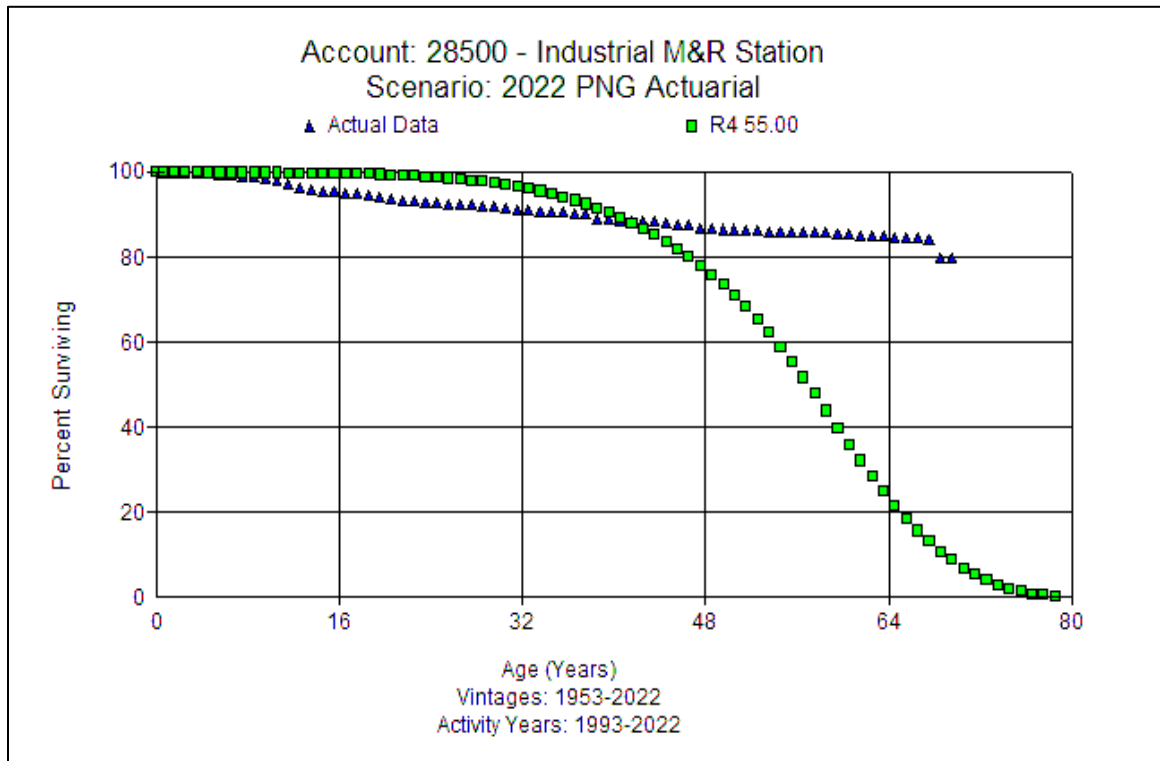
### **Account 28500 Industrial M&R Station Equipment (55 R4)**

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,

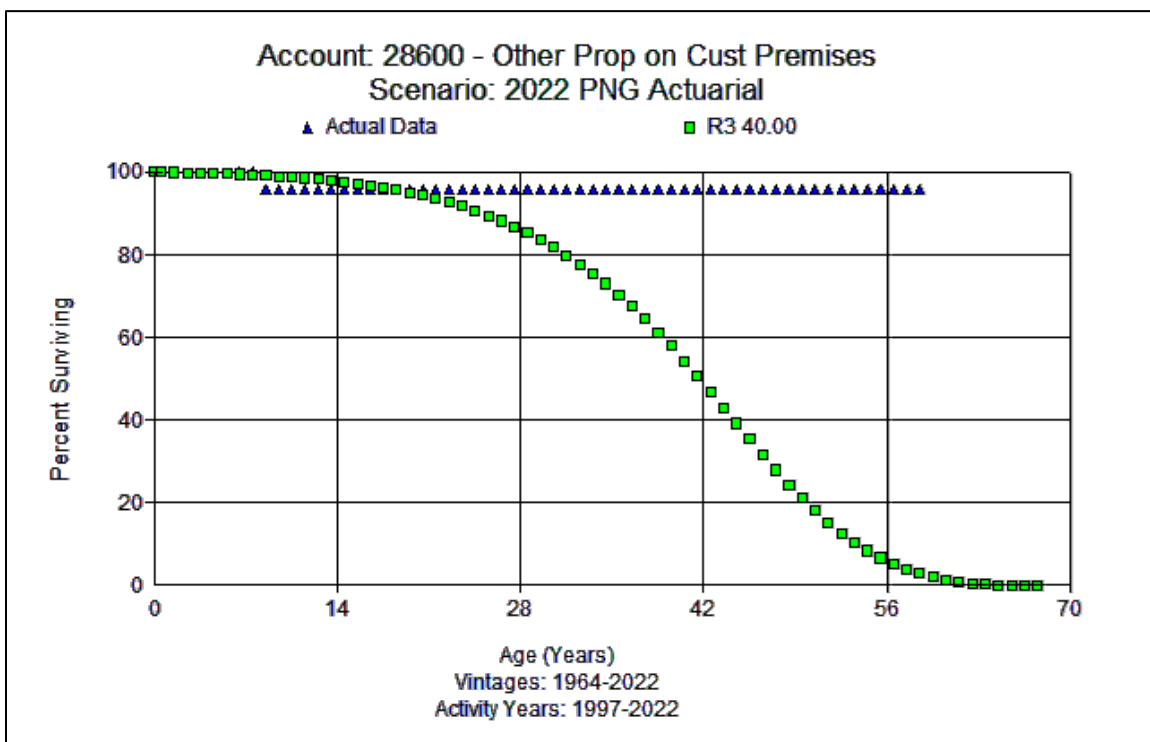
discussions with Company personnel, and judgment this study recommends 55 R4. A graph of the observed life table and the proposed life and curve is shown below.



### 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.

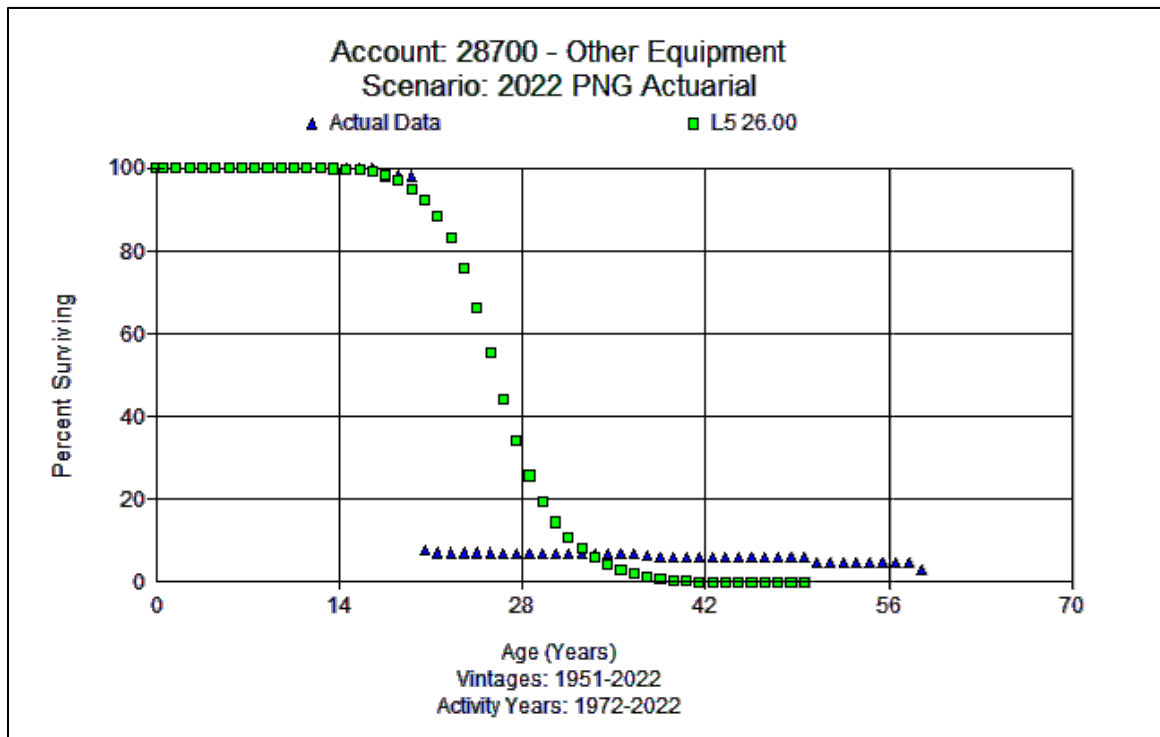
The average age of retirement is 30 years and survivors are about 46 years. Only a few retirements have been recorded in the past. The limited retirement activity does not allow for a meaningful life analysis. Based on type of assets and judgment, this study recommends the 40 R3, which is the current 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**

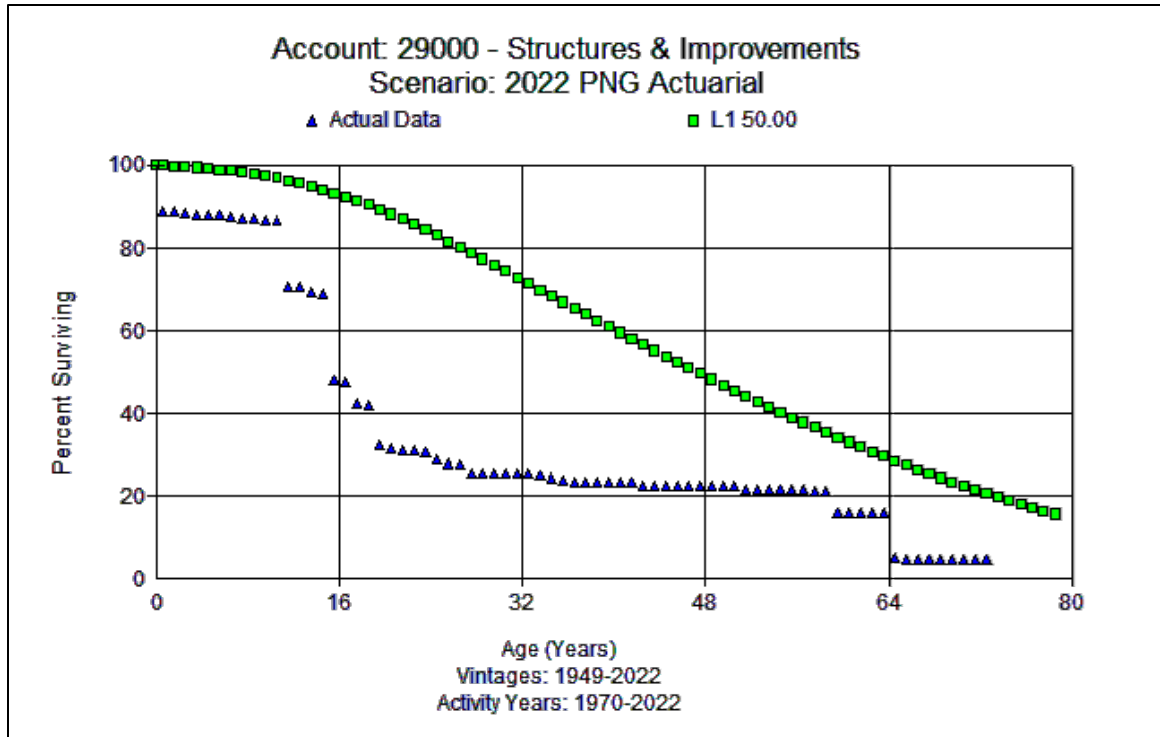
#### **Account 29000 Structures & Improvements (50 L1)**

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.



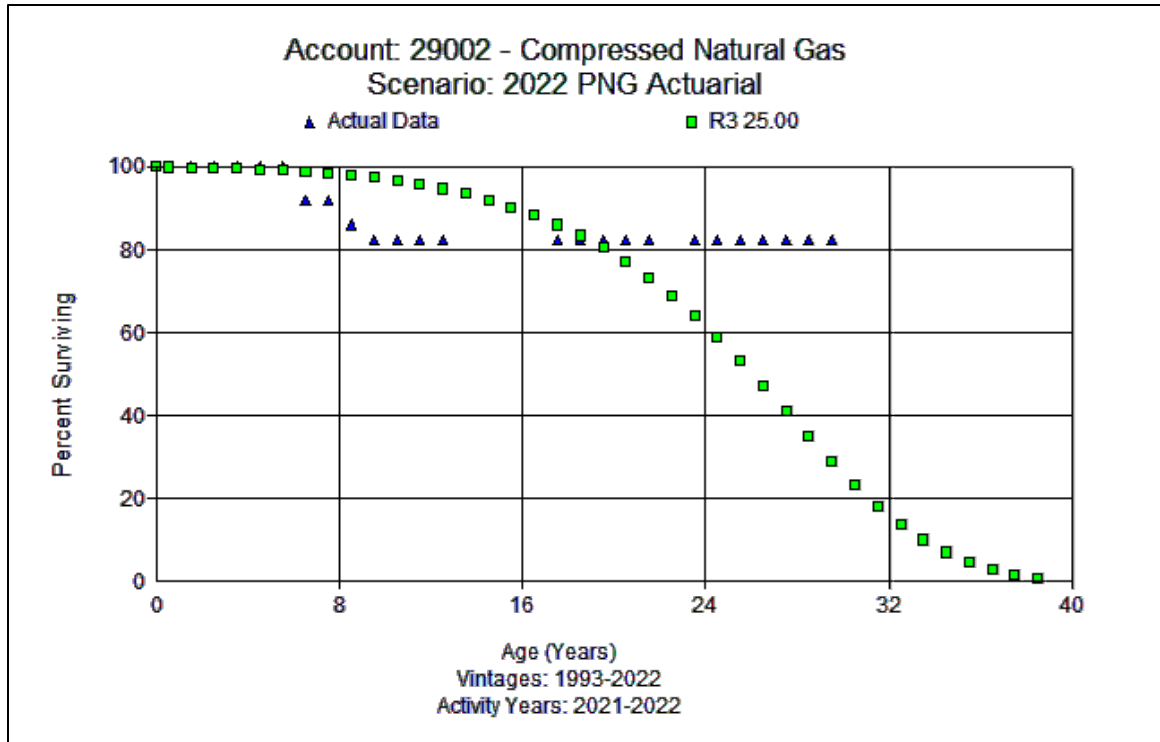


### **Account 29002 CNG Station Equipment (25 R3)**

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**

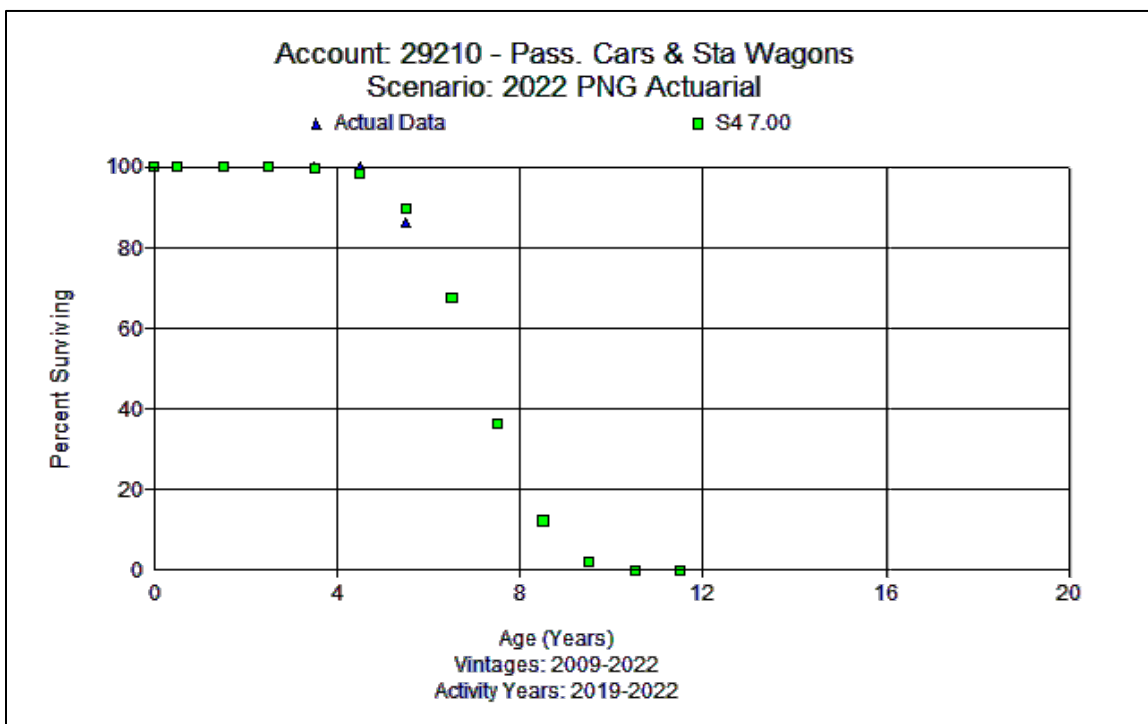
Transportation equipment and to some extent power operated equipment have experienced supply chain issues over the last couple of years (during the pandemic), which has caused the company to keep vehicles and some power operated equipment longer than expected. They believe that their replacement pattern 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.

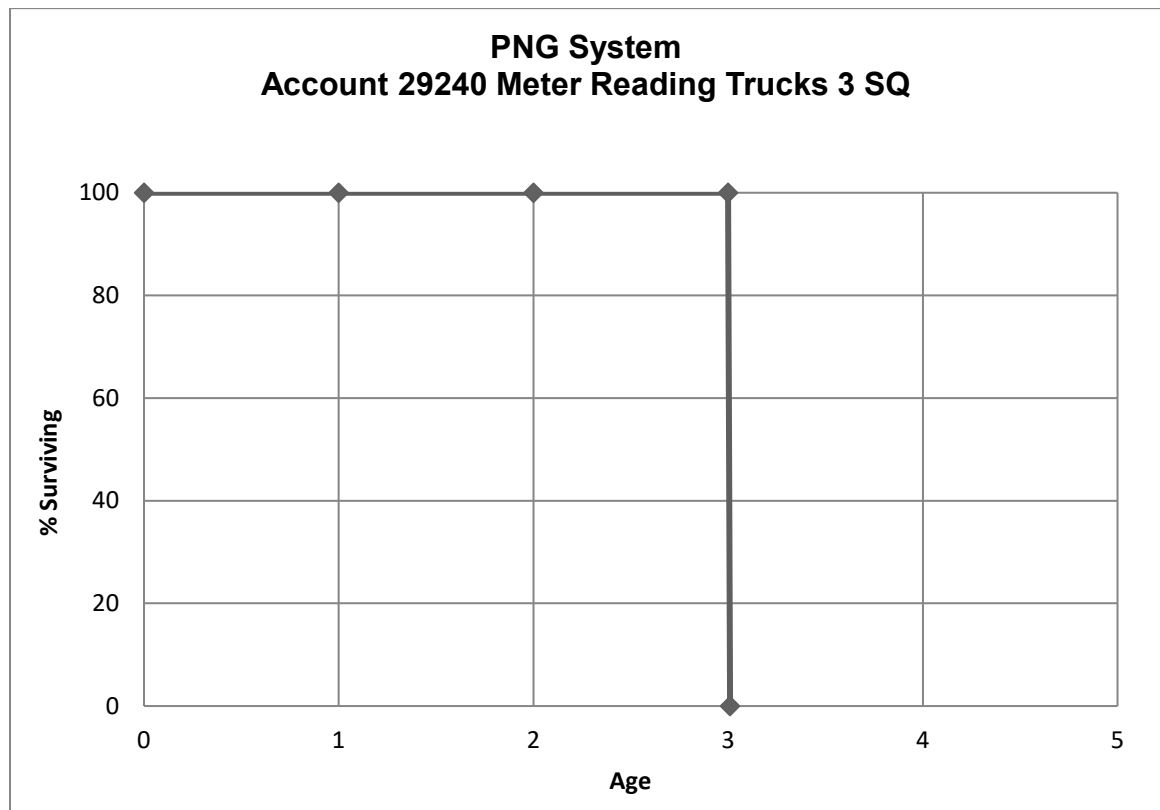


### Account 29240 Meter Reading Trucks 3-Year (3 SQ)

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.

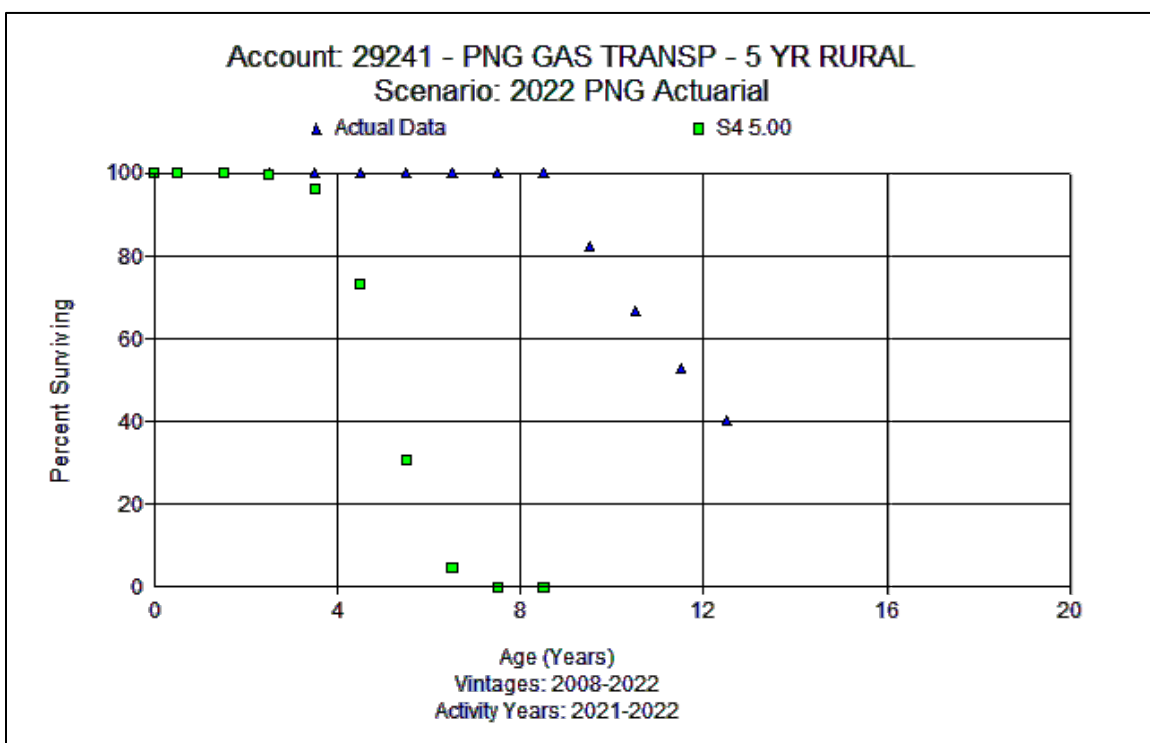


### Account 29241 Rural Use 5-Year (5 S4)

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.

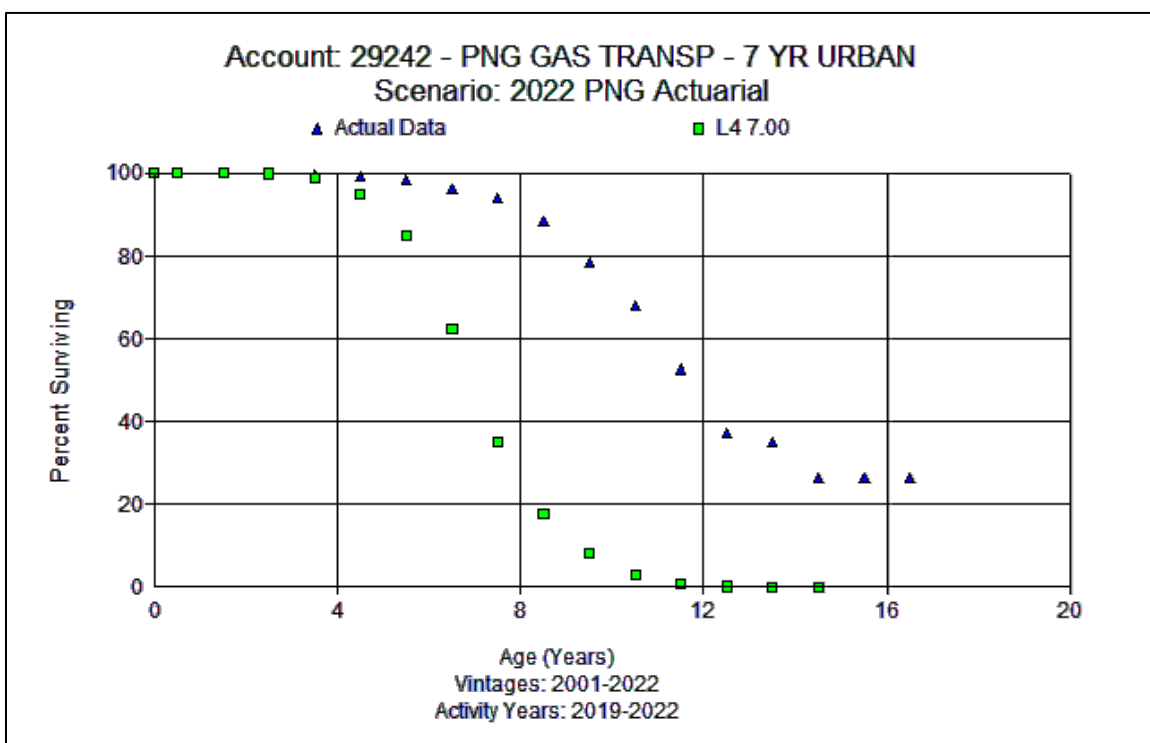


### Account 29242 Urban Use 7-Year (7 L4)

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.



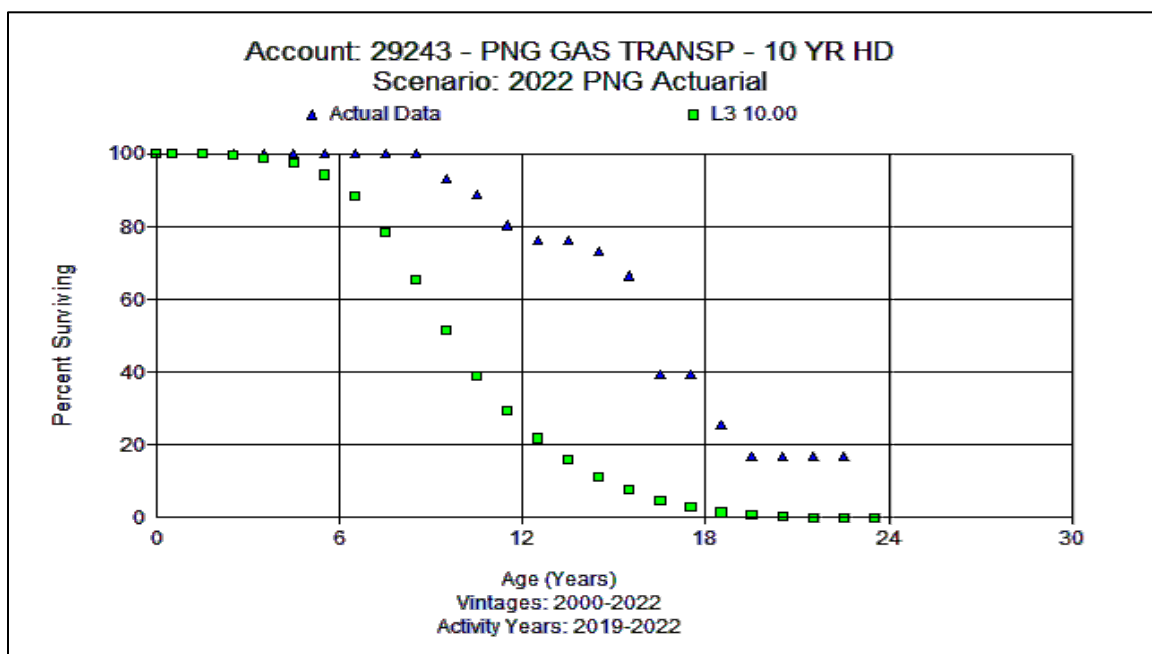


### Account 29243 Heavy Duty Trucks 10-Year (10 L3)

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.

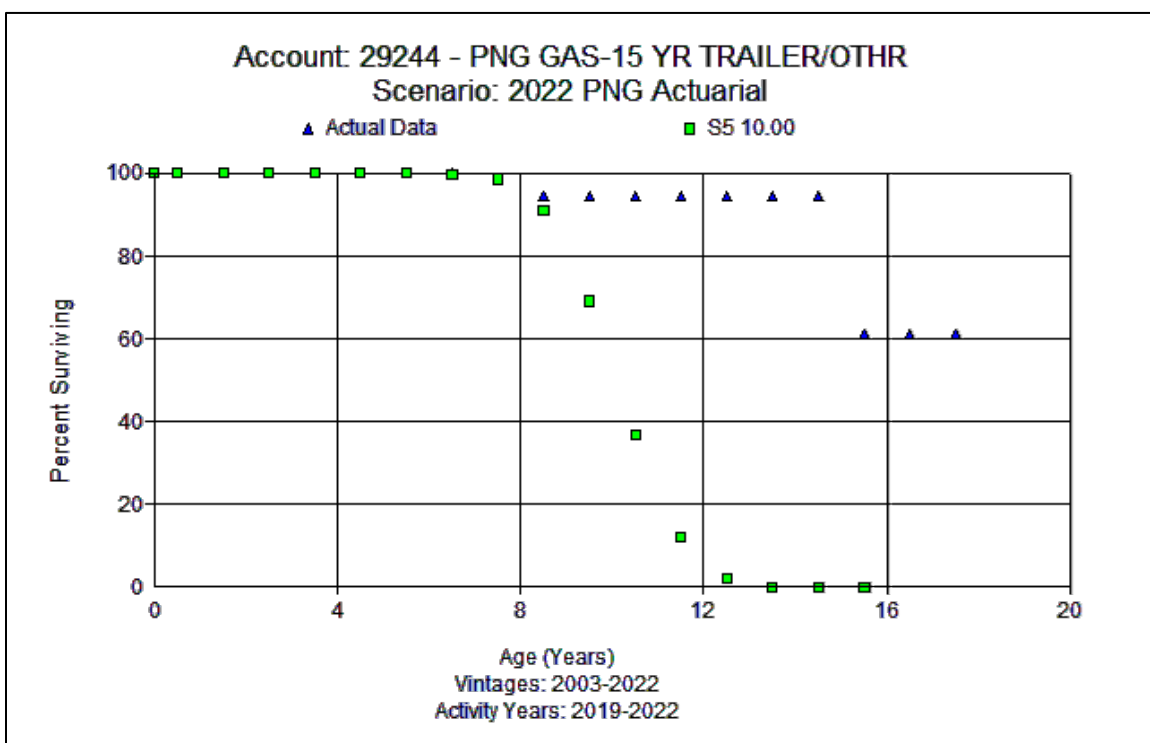


### Account 29244 Trailers and Other 15-Year (10 S5)

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.

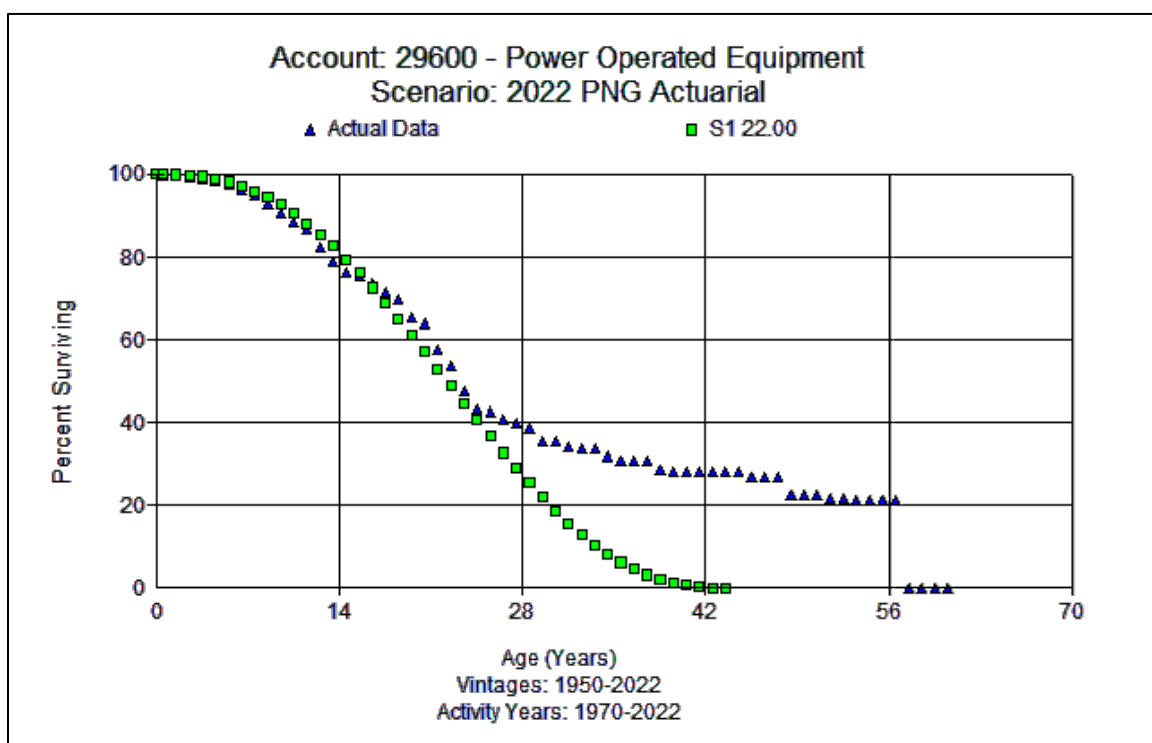


### Account 29600 Power Operated Equipment (22 S1)

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 \$15.67<sup>3</sup> 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

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<sup>3</sup> 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 %
<b>TRANSMISSION PLANT</b>									
26520	Land Rights	140,950,149	18,604,097	0%	-	122,346,051	67.11	1,823,110	1.29%
26610	Structures & Improvements - Compressor Stations	22,726,694	3,546,156	-5%	(1,136,335)	20,316,872	40.32	503,910	2.22%
26620	Structures & Improvements - M&R Stations	13,607,383	2,359,966	-5%	(680,369)	11,927,786	39.92	298,814	2.20%
26700	Mains & Cathodic Protection	2,986,129,494	409,308,671	-30%	(895,838,848)	3,472,659,671	59.26	58,596,269	1.96%
26800	Compressor Station Equipment	170,814,986	53,622,618	-10%	(17,081,499)	134,273,867	22.81	5,887,832	3.45%
26900	M&R Station Equipment	321,896,245	33,536,026	-10%	(32,189,625)	320,549,844	44.22	7,249,237	2.25%
	<b>Total Transmission</b>	<b>3,656,124,950</b>	<b>520,977,534</b>		<b>(946,926,675)</b>	<b>4,082,074,091</b>		<b>74,359,172</b>	<b>2.03%</b>
<b>DISTRIBUTION PLANT</b>									
27401	Land Rights	16,790,245	1,844,385	0%	-	14,945,860	67.34	221,962	1.32%
27500	Structures & Improvements	641,853	393,362	-5%	(32,093)	280,584	22.57	12,433	1.94%
27600	Mains	1,704,374,068	502,115,980	-30%	(511,312,220)	1,713,570,309	53.66	31,931,622	1.87%
27800	M&R Station Equipment	102,155,273	11,496,191	-15%	(15,323,291)	105,982,373	43.63	2,429,109	2.38%
27900	M&R City Gate Equipment	160,815,215	20,407,713	-15%	(24,122,282)	164,529,785	45.76	3,595,152	2.24%
28000	Services	937,309,565	431,711,036	-90%	(843,578,609)	1,349,177,138	46.47	29,034,093	3.10%
28100	Meters Commercial & Industrial	41,358,207	13,367,919	0%	-	27,990,288	22.38	1,250,952	3.02%
28101	Meters Residential	56,228,719	30,607,569	0%	-	25,621,150	12.25	2,092,270	3.72%
28105	Meters - Meter Accessories & ERTs	33,879,174	16,730,076	0%	-	17,149,098	13.51	1,268,907	3.75%
28200	Meter Installations	71,341,374	10,773,132	0%	-	60,568,242	26.64	2,273,160	3.19%
28300	House Regulators	13,192,898	4,111,395	0%	-	9,081,503	22.01	412,562	3.13%
28400	House Regulator Installations	726,793	71,707	0%	-	655,086	28.15	23,267	3.20%
28500	Industrial M&R Station Equipment	53,721,435	18,326,236	-10%	(5,372,143)	40,767,342	39.13	1,041,807	1.94%
28600	Property on Customer Premises	743,304	677,804	0%	-	65,501	5.93	11,043	1.49%
28700	Other Equipment	43,672	27,858	0%	-	15,813	10.26	1,542	3.53%
	<b>Total Distribution</b>	<b>3,193,321,796</b>	<b>1,062,662,363</b>		<b>(1,399,740,639)</b>	<b>3,530,400,072</b>		<b>75,599,881</b>	<b>2.37%</b>
<b>GENERAL PLANT DEPRECIATED</b>									
29000	Structures & Improvements	143,518,152	23,783,207	-5%	(7,175,908)	126,910,853	42.04	3,018,486	2.10%
29002	CNG Station Equipment	23,414,053	6,887,642	-2%	(468,281)	16,994,692	17.73	958,456	4.09%
29210	Passenger Cars & Station Wagons	2,369,038	1,588,824	25%	592,260	187,955	0.69	272,583	11.51%
29240	Transportation Equipment - 3 Year Meter Reading	316,865	237,649	25%	79,216	-	0.00	-	25.00% *
29241	Transportation - 5 Year Rural Use	15,725,619	10,058,861	25%	3,931,405	1,735,353	0.70	2,475,661	15.74%
29242	Transportation - 7 Year Urban Use	47,993,100	24,293,086	25%	11,998,275	11,701,739	2.24	5,230,515	10.90%
29243	Transportation - 10 Year Heavy Duty	21,225,632	7,473,053	25%	5,306,408	8,446,171	5.27	1,603,472	7.55%
29244	Transportation - 15 Year Trailers & Other	1,959,428	989,701	25%	489,857	479,870	3.21	149,467	7.63%
29600	Power Operated Equipment	12,462,565	5,195,331	13%	1,620,133	5,647,100	11.37	496,557	3.98%
	<b>Total General Depreciated</b>	<b>268,984,451</b>	<b>80,507,353</b>		<b>16,373,365</b>	<b>172,103,733</b>		<b>14,205,196</b>	<b>5.28%</b>
	<b>Total Depreciated Plant</b>	<b>\$ 7,118,431,198</b>	<b>\$ 1,664,147,250</b>		<b>\$ (2,330,293,948)</b>	<b>\$ 7,784,577,896</b>		<b>\$ 164,164,249</b>	<b>2.31%</b>

\*Account is fully depreciated. Rate is (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**

<b>Amortized before Retirements</b>		<b>Plant Balance at 12/31/22</b>	<b>Allocated Book Reserve at 12/31/22</b>	<b>Theoretical Reserve at 12/31/22</b>	<b>Reserve Deficit/Surplus</b>	<b>Remaining Life</b>	<b>Amortize Reserve Deficit/(Surplus)</b>	<b>Assets with Age &gt; Average Service Life</b>	<b>Annual Amortization %</b>
<b>Account</b>	<b>Description</b>								
29100	Office Furniture & Equipment	11,411,644	4,245,670	4,245,670	-			69,083	5.00%
29102	PC Equipment	149,597	89,066	89,066	-			-	20.00%
29300	Stores Equipment	3,385	3,301	3,301	-			-	5.00%
29400	Tools, Shop & Garage Equipment	19,486,292	6,582,386	6,582,386	-			352,073	5.00%
29500	Laboratory Equipment	797,185	582,060	582,060	-			41,882	5.00%
29700	Communications Equipment	8,881,322	5,432,750	5,432,750	-			2,001,207	6.67%
29800	Miscellaneous Equipment	3,439,097	1,574,391	1,574,391	-			-	5.00%
<b>Total General Amortized</b>		<b>\$ 44,168,520</b>	<b>\$ 18,509,622</b>	<b>\$ 18,509,622</b>	<b>\$ -</b>		<b>\$ -</b>	<b>\$ 2,464,245</b>	

<b>Amortized after Retirements</b>		<b>Plant Balance at 12/31/22</b>	<b>Allocated Book Reserve at 12/31/22</b>	<b>Annual (1) Amortization Amount</b>	<b>Annual (2) Amortization Rate</b>
<b>Account</b>	<b>Description</b>				
29100	Office Furniture & Equipment	11,342,560	4,176,586	567,128	5.00%
29102	PC Equipment	149,597	89,066	29,919	20.00%
29300	Stores Equipment	3,385	3,301	169	5.00%
29400	Tools, Shop & Garage Equipment	19,134,219	6,230,313	956,711	5.00%
29500	Laboratory Equipment	755,303	540,178	37,765	5.00%
29700	Communications Equipment	6,880,115	3,431,543	458,674	6.67%
29800	Miscellaneous Equipment	3,439,097	1,574,391	171,955	5.00%
<b>Total General Amortized</b>		<b>\$ 41,704,276</b>	<b>\$ 16,045,377</b>	<b>\$ 2,222,322</b>	<b>0.00%</b>

<b>Total General Depreciated &amp; Amortized</b>		<b>\$ 310,688,727</b>	<b>\$ 96,552,730</b>
<b>Total Depreciated &amp; Amortized</b>		<b>\$ 7,160,135,474</b>	<b>\$ 1,680,192,627</b>

(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 %
<b>TRANSMISSION PLANT</b>									
26520	Land Rights	\$ 10,546,643	\$ 1,833,783	0%	\$ -	\$ 8,712,860	64.10	\$ 135,926	1.29%
26620	Structures & Improvements - M&R Stations	918,450	129,582	-5%	(45,923)	834,791	42.32	19,726	2.15%
26700	Mains	108,190,648	20,534,575	-30%	(32,457,194)	120,113,267	117.16	1,025,207	0.95%
26800	Compressor Station Equipment	38,880,228	6,925,271	-30%	(11,664,068)	43,619,025	28.52	1,529,419	3.93%
26900	M&R Station Equipment	42,129,501	3,662,510	-10%	(4,212,950)	42,679,941	45.48	938,433	2.23%
	<b>Total Transmission</b>	<b>200,665,469</b>	<b>33,085,721</b>		<b>(48,380,135)</b>	<b>215,959,884</b>		<b>3,648,711</b>	<b>1.82%</b>
<b>DISTRIBUTION PLANT</b>									
27401	Land Rights	2,242,778	433,354	0%	-	1,809,424	61.29	29,522	1.32%
27500	Structures & Improvements	794,118	121,105	-5%	(39,706)	712,719	43.13	16,525	2.08%
27600	Mains	276,772,170	107,827,307	-30%	(83,031,651)	251,976,514	48.72	5,171,874	1.87%
27800	M&R Station Equipment	22,454,277	2,204,108	-15%	(3,368,141)	23,618,310	44.12	535,273	2.38%
27900	M&R City Gate Equipment	7,887,070	1,595,953	-15%	(1,183,061)	7,474,178	42.51	175,821	2.23%
28000	Services	179,903,636	89,793,441	-90%	(161,913,272)	252,023,467	45.09	5,589,545	3.11%
28100	Meters - Commercial & Industrial	9,019,737	2,971,403	0%	-	6,048,334	22.03	274,591	3.04%
28101	Meters - Residential	11,637,196	6,811,883	0%	-	4,825,313	11.16	432,556	3.72%
28105	Meters - Meter Accessories & ERTs	7,519,258	3,332,795	0%	-	4,186,463	14.52	288,389	3.84%
28200	Meter Installations	12,354,332	2,024,617	0%	-	10,329,715	26.19	394,358	3.19%
28300	House Regulators	3,043,485	902,766	0%	-	2,140,719	22.30	95,994	3.15%
28400	House Regulator Installations	9,429	794	0%	-	8,635	28.53	303	3.21%
28500	Industrial M&R Station Equipment	10,876,158	3,627,124	0%	-	7,249,034	39.22	184,808	1.70%
	<b>Total Distribution</b>	<b>544,513,644</b>	<b>221,646,650</b>		<b>(249,535,831)</b>	<b>572,402,825</b>		<b>13,189,559</b>	<b>2.42%</b>
<b>GENERAL PLANT DEPRECIATED</b>									
29000	Structures & Improvements	12,235,547	3,867,438	-5%	(611,777)	8,979,886	36.75	244,322	2.00%
29002	CNG Station Equipment	6,395,706	2,415,564	-2%	(127,914)	4,108,056	16.85	243,749	3.81%
29210	Passenger Cars and Wagons	507,259	352,101	25%	126,815	28,344	0.52	54,349	10.71%
29241	Transportation - 5 Year Urban	716,732	431,797	25%	179,183	105,752	1.33	79,398	11.08%
29242	Transportation - 7 Year Urban Use	8,360,525	4,754,411	25%	2,090,131	1,515,982	2.10	720,868	8.62%
29243	Transportation - 10 Year Heavy Duty	3,858,098	1,691,699	25%	964,525	1,201,874	4.86	247,551	6.42%
29244	Transportation - 15 Year Trailers & Other	184,169	99,633	25%	46,042	38,494	3.38	11,372	6.17%
29600	Power Operated Equipment	1,822,894	931,776	13%	236,976	654,142	10.63	61,565	3.38%
	<b>Total General Depreciated</b>	<b>34,080,930</b>	<b>14,544,420</b>		<b>2,903,981</b>	<b>16,632,530</b>		<b>1,663,175</b>	<b>4.88%</b>
	<b>Total Depreciated Plant</b>	<b>\$ 779,260,043</b>	<b>\$ 269,276,790</b>		<b>\$ (295,011,986)</b>	<b>\$ 804,995,239</b>		<b>\$ 18,501,444</b>	<b>2.37%</b>

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

<b>Amortized before Retirements</b>		<b>Plant Balance at 12/31/22</b>	<b>Allocated Book Reserve at 12/31/22</b>	<b>Theoretical Reserve at 12/31/22</b>	<b>Reserve Deficit/Surplus</b>	<b>Reserve Amortization Period</b>	<b>Amortize Reserve Deficit/(Surplus)</b>	<b>Assets with Age &gt; Average Service Life</b>	<b>Annual Amortization %</b>
<b>Account</b>	<b>Description</b>								
29001	Leasehold Improvements	\$ 116,703	\$ 119,852	\$ 119,852	\$ -	4	\$ -	\$ 85,632	6.79%
29100	Office Furniture & Equipment	912,721	393,572	393,572	-	4	-	22,779	5.00%
29102	PC Equipment	21,987	11,348	11,348	-	4	-	-	20.00%
29300	Stores Equipment	6,463	2,747	2,747	-	4	-	-	5.00%
29400	Tools, Shop & Garage Equipment	2,311,484	700,236	700,236	-	4	-	30,191	5.00%
29500	Laboratory Equipment	182,788	97,206	97,206	-	4	-	6,455	5.00%
29700	Communications Equipment	812,980	592,228	592,228	-	4	-	316,593	6.67%
29800	Miscellaneous Equipment	756,665	264,143	264,143	-	4	-	-	5.00%
<b>Total General Amortized</b>		<b>5,121,792</b>	<b>2,181,332</b>	<b>2,181,332</b>	<b>-</b>		<b>-</b>	<b>461,650</b>	

<b>Amortized after Retirements</b>		<b>Plant Balance at 12/31/22</b>	<b>Allocated Book Reserve at 12/31/22</b>	<b>Annual (1) Amortization Amount</b>	<b>Annual (2) Amortization Rate</b>
<b>Account</b>	<b>Description</b>				
29001	Leasehold Improvements	31,071	34,220	2,219	6.79%
29100	Office Furniture & Equipment	889,942	370,794	44,497	5.00%
29102	PC Equipment	21,987	11,348	4,397	20.00%
29300	Stores Equipment	6,463	2,747	323	5.00%
29400	Tools, Shop & Garage Equipment	2,281,293	670,044	114,065	5.00%
29500	Laboratory Equipment	176,333	90,751	8,817	5.00%
29700	Communications Equipment	496,387	275,635	33,092	6.67%
29800	Miscellaneous Equipment	756,665	264,143	37,833	5.00%
<b>Total General Amortized</b>		<b>4,660,142</b>	<b>1,719,681</b>	<b>245,244</b>	
<b>Total General Depreciated &amp; Amortized</b>		<b>38,741,072</b>	<b>16,264,101</b>		
<b>Total Depreciated &amp; Amortized</b>		<b>\$ 783,920,185</b>	<b>\$ 270,996,472</b>		

(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 ANNUAL DEPRECIATION ACCRUAL AND RATES**  
**DEPRECIATION STUDY AT DECEMBER 31, 2022**

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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 %
<b>STORAGE PLANT</b>									
26100	Structures & Improvements	\$ 14,030,938	\$ 2,651,505	-15%	\$ (2,104,641)	\$ 13,484,074	34.89	\$ 386,476	2.75%
26200	Gas Holders	4,102,434	1,101,903	-15%	(615,365)	3,615,897	47.65	75,890	1.85%
26300	Purification Equipment	6,608,481	2,111,299	-10%	(660,848)	5,158,031	18.09	285,176	4.32%
26310	Liquefaction Equipment	15,299,548	2,067,854	-10%	(1,529,955)	14,761,649	33.28	443,554	2.90%
26320	Vaporizing Equipment	20,836,303	5,893,600	-5%	(1,041,815)	15,984,519	18.95	843,473	4.05%
26330	Compressor Equipment	9,818,090	2,219,085	-10%	(981,809)	8,580,814	28.76	298,329	3.04%
26340	M&R Equipment	28,208	6,525	-10%	(2,821)	24,504	28.50	860	3.05%
26350	Other Equipment	2,829,228	904,991	-5%	(141,461)	2,065,698	17.50	118,008	4.17%
	<b>Total Storage Plant</b>	<b>73,553,230</b>	<b>16,956,761</b>		<b>(7,078,715)</b>	<b>63,675,184</b>		<b>2,451,765</b>	<b>3.33%</b>
<b>TRANSMISSION PLANT</b>									
26520	Land Rights	18,560,350	1,131,726	0%	-	17,428,625	70.70	246,528	1.33%
26620	M&R Station Structures	1,935,009	202,604	-5%	(96,750)	1,829,156	40.49	45,175	2.33%
26700	Mains	334,930,097	23,923,610	-30%	(100,479,029)	411,485,515	60.87	6,759,631	2.02%
26900	M&R Equipment	46,482,923	3,013,926	-10%	(4,648,292)	48,117,290	44.38	1,084,240	2.33%
	<b>Total Transmission Plant</b>	<b>401,908,379</b>	<b>28,271,865</b>		<b>(105,224,072)</b>	<b>478,860,586</b>		<b>8,135,573</b>	<b>2.02%</b>
<b>DISTRIBUTION PLANT</b>									
27401	Rights of Way	4,607,773	398,168	0%	-	4,209,605	69.47	60,596	1.32%
27500	Structures & Improvements	218,689	155,217	-5%	(10,934)	74,407	21.16	3,517	1.61%
27600	Mains	681,344,427	205,951,678	-30%	(204,403,328)	679,796,076	54.51	12,471,574	1.83%
27800	M&R Equipment	28,764,699	4,660,412	-15%	(4,314,705)	28,418,992	42.23	672,969	2.34%
27900	City Gate Equipment	15,520,350	2,907,073	-15%	(2,328,053)	14,941,330	43.91	340,260	2.19%
28000	Services	365,260,270	190,396,056	-90%	(328,734,243)	503,598,457	45.95	10,958,938	3.00%
28100	Meters - Commercial & Industrial	16,680,016	4,476,104	0%	-	12,203,912	24.67	494,644	2.97%
28101	Meters - Residential	10,727,669	6,399,385	0%	-	4,328,284	12.27	352,642	3.29%
28105	ERT's and Accessories	8,124,665	4,074,178	0%	-	4,050,486	14.30	283,209	3.49%
28200	Meter Installations	21,819,465	5,613,487	0%	-	16,205,978	24.19	669,827	3.07%
28300	House Regulators	4,013,114	1,469,745	0%	-	2,543,369	21.31	119,341	2.97%
28400	House Regulator Installations	3,471,745	1,591,648	0%	-	1,880,097	18.87	99,623	2.87%
28500	Industrial M&R Equipment	7,458,007	1,478,670	-10%	(745,801)	6,725,139	46.54	144,501	1.94%
	<b>Total Distribution Plant</b>	<b>1,168,010,888</b>	<b>429,571,821</b>		<b>(540,537,064)</b>	<b>1,278,976,131</b>		<b>26,671,640</b>	<b>2.28%</b>

**PIEDMONT NATURAL GAS - TENNESSEE  
COMPUTATION OF ANNUAL DEPRECIATION ACCRUAL AND RATES  
DEPRECIATION STUDY 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 %
<b>GENERAL PLANT DEPRECIATED</b>									
29000	Structures & Improvements	24,883,688	6,087,357	-5%	(1,244,184)	20,040,515	40.21	498,348	2.00%
29002	CNG Equipment	4,016,998	1,820,256	-2%	(80,340)	2,277,083	15.67	145,316	3.62%
29210	Passenger Cars & Station Wagon	755,193	532,753	25%	188,798	33,642	1.47	22,905	3.03%
29242	Transportation 7 Year Urban	10,311,743	6,946,228	25%	2,577,936	787,579	1.72	458,337	4.44%
29243	Transportation - Heavy Duty	3,935,807	1,954,232	25%	983,952	997,623	4.44	224,770	5.71%
29244	Transportaion - Trailers & Other	238,572	115,435	25%	59,643	63,494	4.58	13,862	5.81%
29600	Power Operated Equipment	1,495,529	738,252	13%	194,419	562,859	11.51	48,887	3.27%
	<b>Total General Depreciated Plant</b>	<b>45,637,531</b>	<b>18,194,512</b>		<b>2,680,223</b>	<b>24,762,795</b>		<b>1,412,425</b>	<b>3.09%</b>
	<b>Total Depreciated Plant</b>	<b>\$ 1,689,110,028</b>	<b>\$ 492,994,960</b>		<b>\$ (650,159,627)</b>	<b>\$ 1,846,274,696</b>		<b>\$ 38,671,404</b>	<b>2.29%</b>

**COMPUTATION OF AMORTIZATION AMOUNT  
FOR AMORTIZED GENERAL PROPERTY  
COMPUTATION OF ANNUAL DEPRECIATION ACCRUAL AND RATES**

**Before Retirements**

Account	Description	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
29100	Office Furniture & Equipment	\$ 2,749,081	\$ 1,581,375	\$ 1,581,375	\$ -	\$ 20,144
29102	PC Equipment	9,964	2,989	2,989	-	-
29400	Tools, Shop & Garage Equipment	3,295,922	1,395,531	1,395,531	-	134,548
29500	Laboratory Equipment	105,879	91,628	91,628	-	-
29700	Communication Equipment	874,701	426,383	426,383	-	-
29800	Miscellaneous Equipment	656,945	227,941	227,941	-	-
<b>Total General Amortized</b>		<b>7,692,491</b>	<b>3,725,848</b>	<b>3,725,848</b>	<b>-</b>	<b>154,691</b>

**COMPUTATION OF AMORTIZATION AMOUNT  
FOR AMORTIZED GENERAL PROPERTY  
COMPUTATION OF ANNUAL DEPRECIATION ACCRUAL AND RATES**

**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	Amortization Life	Annual (2) Amortization Rate
29100	Office Furniture & Equipment	2,728,937	1,561,232	136,447	20	5.00%
29102	PC Equipment	9,964	2,989	1,993	5	20.00%
29400	Tools, Shop & Garage Equipment	3,161,374	1,260,984	158,069	20	5.00%
29500	Laboratory Equipment	105,879	91,628	5,294	20	5.00%
29700	Communication Equipment	874,701	426,383	58,313	15	6.67%
29800	Miscellaneous Equipment	656,945	227,941	32,847	20	5.00%
<b>Total General Amortized</b>		<b>7,537,800</b>	<b>3,571,157</b>	<b>392,963</b>		
<b>Study Total Depreciated &amp; Amortized</b>		<b>\$ 1,696,647,828</b>	<b>\$ 496,566,117</b>			

(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 %
<b>STORAGE PLANT</b>									
26001	Rights of Way	\$ 117,629	\$ 2,336	0%	\$ -	\$ 115,293	77.50	\$ 1,488	1.26%
26100	Structures & Improvements	167,787,704	13,304,578	-15%	(25,168,156)	179,651,282	40.12	4,478,175	2.67%
26200	Gas Holders	113,458,495	7,327,290	-15%	(17,018,774)	123,149,979	63.81	1,929,836	1.70%
26300	Purification Equipment	58,728,924	5,923,494	-10%	(5,872,892)	58,678,323	25.67	2,285,775	3.89%
26310	Liquefaction Equipment	69,260,510	4,723,336	-10%	(6,926,051)	71,463,225	36.10	1,979,734	2.86%
26320	Vaporization Equipment	57,559,802	14,144,870	-5%	(2,877,990)	46,292,923	18.95	2,442,812	4.24%
26330	Compressor Equipment	22,841,851	2,984,157	-10%	(2,284,185)	22,141,879	32.52	680,790	2.98%
26340	M&R Equipment	1,123,236	195,052	-10%	(112,324)	1,040,507	30.06	34,611	3.08%
26350	Other Equipment	14,479,551	2,425,659	-5%	(723,978)	12,777,870	22.47	568,723	3.93%
	<b>Total Storage</b>	<b>505,240,075</b>	<b>51,028,437</b>		<b>(60,984,350)</b>	<b>515,195,988</b>		<b>14,400,456</b>	<b>2.85%</b>
<b>DISTRIBUTION PLANT</b>									
27500	Structures & Improvements	824,052	822,579	-5%	(41,203)	42,675	20.89	2,043	0.25%
28100	Meters	100,076	28,015	0%	-	72,061	27.31	2,638	2.64%
28104	Meters - Meter Accessories	1,980,582	1,957,258	0%	-	23,324	5.11	4,566	0.23%
28106	AMI Meter (New)	-	-	0%	-	-	0.00		5.00%
	<b>Total Distribution</b>	<b>2,904,710</b>	<b>2,807,852</b>		<b>(41,203)</b>	<b>138,060</b>		<b>9,248</b>	<b>0.32%</b>
<b>GENERAL PLANT DEPRECIATED</b>									
29000	Structures & Improvements	215,747	16,307	-5%	(10,787)	210,227	45.89	4,581	2.12%
29242	Transportation - 7 Year Urban Use	380,714	208,369	25%	95,179	77,166	1.16	66,401	17.44%
29243	Transportation - 10 Year Heavy Duty	225,057	122,130	25%	56,264	46,663	1.73	26,957	11.98%
29244	Transportation - Trailers & Other	5,636	3,452	25%	1,409	775	0.67	1,161	20.60%
29600	Power Operated Equipment	861,228	396,524	13%	111,960	352,744	8.69	40,572	4.71%
	<b>Total General Depreciated</b>	<b>1,688,381</b>	<b>746,782</b>		<b>254,024</b>	<b>687,576</b>		<b>139,672</b>	<b>8.27%</b>
	<b>Total Depreciated Plant</b>	<b>\$ 509,833,167</b>	<b>\$ 54,583,071</b>		<b>\$ (60,771,528)</b>	<b>\$ 516,021,624</b>		<b>\$ 14,549,377</b>	<b>2.85%</b>

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

<b>Amortize before Retirements</b>		<b>Plant Balance at 12/31/2022</b>	<b>Allocated Book Reserve at 12/31/2022</b>	<b>Theoretical Reserve at 12/31/2022</b>	<b>Reserve Deficit/Surplus</b>	<b>Assets with Age &gt; Average Service Life</b>	<b>Annual Amortization %</b>
<b>Account</b>	<b>Description</b>						
29100	Office Furniture & Equipment	\$ 218,667	\$ 72,823	\$ 72,823	\$ -	\$ -	5.00%
29400	Tools, Shop & Garage Equipment	1,002,132	433,475	433,475	-	4,934	5.00%
29500	Laboratory Equipment	367,010	273,122	273,122	-	-	5.00%
29700	Communications Equipment	1,330,455	695,081	695,081	-	-	6.67%
29800	Miscellaneous Equipment	552,497	113,967	113,967	-	-	5.00%
<b>Total General Amortized</b>		<b>3,470,761</b>	<b>1,588,469</b>	<b>1,588,469</b>	<b>-</b>	<b>4,934</b>	

<b>Amortize after Retirement of Assets with Age &gt; Average Service Life</b>		<b>Plant Balance at 12/31/2022</b>	<b>Allocated Book Reserve at 12/31/2022</b>	<b>Annual (1) Amortization Amount</b>	<b>Annual (2) Amortization Rate</b>
<b>Account</b>	<b>Description</b>				
29100	Office Furniture & Equipment	218,667	72,823	10,933	5.00%
29400	Tools, Shop & Garage Equipment	997,199	428,541	49,860	5.00%
29500	Laboratory Equipment	367,010	273,122		5.00%
29700	Communications Equipment	1,330,455	695,081	88,697	6.67%
29800	Miscellaneous Equipment	552,497	113,967	27,625	5.00%
<b>Total Amortized after AR 15 Retirements</b>		<b>3,465,828</b>	<b>1,583,535</b>	<b>177,115</b>	<b>5.11%</b>
<b>Total General Depreciated &amp; Amortized</b>		<b>5,154,209</b>	<b>2,330,317</b>		
<b>Total Depreciated &amp; Amortized (excludes land)</b>		<b>\$ 513,298,994</b>	<b>\$ 56,166,606</b>		

(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 %
<b>DISTRIBUTION PLANT</b>									
28100	Meters - Commercial & Industrial	\$ 7,352,675	\$ 444,382	0%	\$ -	\$ 6,908,293	29.71	\$ 232,535	3.16%
28101	Meters - Residential	5,107,469	409,673	0%	-	4,697,796	22.62	207,644	4.07%
28105	Meters - Meter Accessories & ERTs	18,114,802	5,607,296	0%	-	12,507,505	15.83	790,028	4.36%
28106	Honeywell AMI Meters - New Account	-	-	0%	-	-	0.00	-	5.00% *
	<b>Total Distribution</b>	<u>30,574,945</u>	<u>6,461,351</u>		<u>-</u>	<u>17,205,301</u>		<u>997,672</u>	<u>3.26%</u>
<b>GENERAL PLANT DEPRECIATED</b>									
29000	Structures & Improvements	2,677,624	177,578	-5%	(133,881)	2,633,927	41.84	62,952	2.35%
29240	Transportation 3 Year Meter Reading Trucks	104,284	78,213	25%	26,071	-	0.00	-	25.00% **
29241	Transportation 5 Year Rural	828,717	542,874	25%	207,179	78,664	0.63	124,308	15.00%
29242	Transportation - 7 Year Urban Use	1,429,699	323,582	25%	357,425	748,692	1.54	485,563	33.96%
29243	Transportation - 10 Year Heavy Duty	130,042	32,439	25%	32,510	65,093	1.41	46,289	35.60%
29244	Transportation - Trailers & Other	21,889	5,491	25%	5,472	10,926	1.36	8,047	36.76%
	<b>Total General Depreciated</b>	<u>5,192,254</u>	<u>1,160,176</u>		<u>494,776</u>	<u>3,537,301</u>		<u>727,159</u>	<u>14.00%</u>
	<b>Total Depreciated Plant</b>	<u>\$ 35,767,199</u>	<u>\$ 7,621,527</u>		<u>\$ 494,776</u>	<u>\$ 20,742,602</u>		<u>\$ 1,724,831</u>	<u>4.82%</u>

\*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**

<b>Amortized before Retirements</b>		<b>Plant Balance at 12/31/2022</b>	<b>Allocated Book Reserve at 12/31/2022</b>	<b>Theoretical Reserve at 12/31/2022</b>	<b>Reserve (Deficit)/Surplus</b>	<b>Reserve Amortization Period</b>	<b>Amortize Reserve Deficit/(Surplus)</b>	<b>Assets with Age &gt; Average Service Life</b>	<b>Annual Amortization %</b>
Account	Description								
29001	Leasehold Improvements	\$ 1,899,219	\$ 1,962,118	\$ 1,977,715	\$ (15,597)	4.00	\$ 3,899	\$ 1,859,305	7.50%
29100	Office Furniture & Equipment	7,145,598	2,131,481	5,507,395	(3,375,914)	4.00	843,978	-	5.00%
29101	Electronic Data Processing/Mainframe Equipment	1,454,289	1,299,382	1,304,892	(5,510)	4.00	1,377	-	20.00%
29102	PC/Server Equipment	10,842,264	3,835,948	9,267,194	(5,431,246)	4.00	1,357,812	406,774	20.00%
29400	Tools, Shop & Garage Equipment	3,794,578	664,029	1,715,742	(1,051,713)	4.00	262,928	-	5.00%
29700	Communications Equipment	34,649,396	17,756,473	20,894,949	(3,138,476)	4.00	784,619	15,774,905	6.67%
29800	Miscellaneous Equipment	33,588	5,650	14,599	(8,949)	4.00	2,237	-	5.00%
<b>Total General Amortized</b>		<b>59,818,931</b>	<b>27,655,082</b>	<b>40,682,487</b>	<b>(13,027,405)</b>		<b>3,256,851</b>	<b>18,040,984</b>	

<b>Amortize after Retirement of Assets with Age &gt; Average Service Life</b>		<b>Plant Balance at 12/31/2022</b>	<b>Allocated Book Reserve at 12/31/2022</b>	<b>Annual (1) Amortization Amount</b>	<b>Amortization Reserve Amount</b>	<b>Total Amortization Amount</b>	<b>Annual (2) Amortization Rate</b>
Account	Description						
29001	Leasehold Improvements	39,914	102,813	2,994	3,899	6,893	7.50%
29100	Office Furniture & Equipment	7,145,598	2,131,481	357,280	843,978	1,201,258	5.00%
29101	Electronic Data Processing/Mainframe Equipment	1,454,289	1,299,382	484,763	1,377	486,140	20.00%
29102	PC/Server Equipment	10,435,491	3,429,175	2,087,098	1,357,812	3,444,910	20.00%
29400	Tools, Shop & Garage Equipment	3,794,578	664,029	189,729	262,928	452,657	5.00%
29700	Communications Equipment	18,874,490	1,981,568	1,258,299	784,619	2,042,918	6.67%
29800	Miscellaneous Equipment	33,588	5,650	1,679	2,237	3,917	5.00%
<b>Total General Amortized after AR 15 retirements</b>		<b>41,777,947</b>	<b>9,614,098</b>	<b>4,381,842</b>	<b>3,256,851</b>	<b>7,638,693</b>	<b>18.28%</b>
<b>Total General Depreciated &amp; Amortized</b>		<b>46,970,201</b>	<b>10,774,274</b>				
<b>Total Depreciated &amp; Amortized (excludes land)</b>		<b>\$ 77,545,146</b>	<b>\$ 17,235,625</b>				

(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 TO RECOMMENDED DEPRECIATION RATES w RESERVE ALLOCATION**  
**DEPRECIATION STUDY AS OF DECEMBER 31, 2022**

Account		Plant Balance 12/31/2022	Existing		Recommended		Increase/ Decrease
Number	Description		Rate	Annual Accrual	Rate	Annual Accrual	
TRANSMISSION PLANT							
26510	Land	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
26610	Structures & Improvements - Compressor Stations	22,726,694	2.10%	476,413	2.22%	504,533	28,120
26620	Structures & Improvements - M&R Stations	13,607,383	2.10%	285,202	2.20%	299,362	14,160
26700	Mains & Cathodic Protection	2,986,129,494	1.85%	55,243,396	1.96%	58,528,138	3,284,742
26800	Compressor Station Equipment	170,814,986	2.85%	4,861,148	3.45%	5,893,117	1,031,969
26900	M&R Station Equipment	321,896,245	2.33%	7,488,386	2.25%	7,242,666	(245,720)
Total Transmission (excludes land)		\$ 3,656,124,950	1.92%	\$ 70,114,222	2.03%	\$ 74,286,073	\$ 4,171,850
DISTRIBUTION PLANT							
27400	Land	3,097,522	0.00%	-	0.00%	-	-
27401	Land Rights	16,790,245	1.32%	222,205	1.32%	221,631	(574)
27500	Structures & Improvements	641,853	1.70%	10,891	1.94%	12,452	1,561
27600	Mains	1,704,374,068	1.71%	29,106,619	1.87%	31,871,795	2,765,176
27800	M&R Station Equipment	102,155,273	1.93%	1,973,335	2.38%	2,431,296	457,960
27900	M&R City Gate Equipment	160,815,215	1.90%	3,061,316	2.24%	3,602,261	540,945
28000	Services	937,309,565	2.78%	26,074,006	3.10%	29,056,597	2,982,590
28100	Meters Commercial & Industrial	41,358,207	2.90%	1,199,812	3.02%	1,249,018	49,206
28101	Meters Residential	56,228,719	2.90%	1,631,210	3.72%	2,091,708	460,499
28105	Meters - Meter Accessories & ERTs	33,879,174	3.46%	1,173,882	3.75%	1,270,469	96,587
28106	Honeywell AMI Meters - New Account		2.90%		5.00% (1)		-
28200	Meter Installations	71,341,374	3.28%	2,340,246	3.19%	2,275,790	(64,456)
28300	House Regulators	13,192,898	2.96%	390,428	3.13%	412,938	22,510
28400	House Regulator Installations	726,793	3.40%	24,697	3.20%	23,257	(1,440)
28500	Industrial M&R Station Equipment	53,721,435	1.63%	876,291	1.94%	1,042,196	165,905
28600	Property on Customer Premises	743,304	1.50%	11,139	1.49%	11,075	(64)
28700	Other Equipment	43,672	2.29%	999	3.53%	1,542	542
Total Distribution (excludes land)		\$ 3,193,321,796	2.13%	\$ 68,097,077	2.37%	\$ 75,574,024	\$ 7,476,947

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

Account		Plant Balance 12/31/2022	Existing		Recommended		Increase/ Decrease
Number	Description		Rate	Annual Accrual	Rate	Annual Accrual	
GENERAL PLANT DEPRECIATED							
28900	Land	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
29002	CNG Station Equipment	23,414,053	3.90%	914,219	4.09%	957,635	43,416
29210	Passenger Cars & Station Wagons	2,369,038	11.76%	278,576	11.51%	272,676	(5,899)
29240	Transportation Equipment - 3 Year Meter Reading	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
29242	Transportation - 7 Year Urban Use	47,993,100	7.54%	3,616,497	10.90%	5,231,248	1,614,751
29243	Transportation - 10 Year Heavy Duty	21,225,632	6.14%	1,303,359	7.55%	1,602,535	299,176
29244	Transportation - 15 Year Trailers & Other	1,959,428	4.58%	89,684	7.63%	149,504	59,820
29600	Power Operated Equipment	12,462,565	3.28%	408,772	3.98%	496,010	87,238
Total General Depreciated (excludes land)		\$ 268,984,451	4.29%	\$ 11,552,506	5.31%	\$ 14,277,918	\$ 2,725,412
GENERAL PLANT AMORTIZED							
29100	Office Furniture & Equipment	11,342,560	5.00%	567,128	5.00%	567,128	-
29102	PC Equipment	149,597	20.00%	29,919	20.00%	29,919	-
29300	Stores Equipment	3,385	5.00%	169	5.00%	169	-
29400	Tools, Shop & Garage Equipment	19,134,219	5.00%	956,711	5.00%	956,711	-
29500	Laboratory Equipment	755,303	5.00%	37,765	5.00%	37,765	-
29700	Communications Equipment	6,880,115	5.56%	382,229	6.67%	458,904	76,675
29800	Miscellaneous Equipment	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
Total General Plant (excludes land)		\$ 310,688,727	4.27%	\$ 13,698,382	5.31%	\$ 16,500,470	\$ 2,802,087
Total Study Depreciated & Amortized		\$ 7,160,135,474	2.12%	\$ 151,909,682	2.32%	\$ 166,360,566	\$ 14,450,884
Total Plant with Land & Intangibles - GL		\$ 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

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

Account		Plant Balance 12/31/2022	Existing		Recommended		Increase/ Decrease
Number	Description		Rate	Annual Accrual	Rate	Annual Accrual	
TRANSMISSION PLANT							
26510	Land	\$ 2,298,633	0.00%	\$ -	0.00%	\$ -	\$ -
26520	Land Rights	10,546,643	1.25%	131,623	1.29%	136,052	4,429
26620	Structures & Improvements - M&R Stations	918,450	2.10%	19,249	2.15%	19,747	498
26700	Mains	108,190,648	1.69%	1,823,260	0.95%	1,027,811	(795,449)
26800	Compressor Station Equipment	38,880,228	2.85%	1,108,086	3.93%	1,527,993	419,906
26900	M&R Station Equipment	42,129,501	1.88%	791,512	2.23%	939,488	147,976
Total Transmission (excludes land)		200,665,469	1.93%	3,873,730	1.82%	3,651,090	(222,639)
DISTRIBUTION PLANT							
27400	Land	70,779	0.00%	-	0.00%	-	-
27401	Land Rights	2,242,778	1.27%	28,495	1.32%	29,605	1,110
27500	Structures & Improvements	794,118	1.82%	14,443	2.08%	16,518	2,075
27600	Mains	276,772,170	1.53%	4,240,364	1.87%	5,175,640	935,275
27800	M&R Station Equipment	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
28000	Services	179,903,636	2.55%	4,578,677	3.11%	5,595,003	1,016,326
28100	Meters - Commercial & Industrial	9,019,737	2.19%	197,543	3.04%	274,200	76,657
28101	Meters - Residential	11,637,196	2.19%	254,868	3.72%	432,904	178,036
28105	Meters - Meter Accessories & ERTs	7,519,258	4.10%	308,396	3.84%	288,740	(19,656)
28106	Honeywell AMI Meters - New Account		2.19%	-	5.00% (1)	-	-
28200	Meter Installations	12,354,332	3.29%	406,095	3.19%	394,103	(11,991)
28300	House Regulators	3,043,485	3.08%	93,629	3.15%	95,870	2,241
28400	House Regulator Installations	9,429	3.40%	321	3.21%	303	(18)
28500	Industrial M&R Station Equipment	10,876,158	1.82%	198,223	1.70%	184,895	(13,329)
Total Distribution (excludes land)		544,513,644	2.00%	10,898,561	2.42%	13,198,072	2,299,511



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

Account		Plant Balance 12/31/2022	Existing		Recommended		Increase/ Decrease
Number	Description		Rate	Annual Accrual	Rate	Annual Accrual	
GENERAL PLANT DEPRECIATED							
28900	Land	3,924,257	0.00%	-	0.00%	-	-
29000	Structures & Improvements	12,235,547	1.83%	223,648	2.00%	244,711	21,063
29002	CNG Station Equipment	6,395,706	3.69%	236,307	3.81%	243,676	7,369
29210	Passenger Cars and Wagons	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)
29242	Transportation - 7 Year Urban Use	8,360,525	7.03%	587,772	8.62%	720,677	132,905
29243	Transportation - 10 Year Heavy Duty	3,858,098	4.67%	180,285	6.42%	247,690	67,405
29244	Transportation - 15 Year Trailers & Other	184,169	4.74%	8,724	6.17%	11,363	2,639
29600	Power Operated Equipment	1,822,894	2.89%	52,672	3.38%	61,614	8,942
Total General Depreciated (excludes land)		34,080,930	4.28%	1,458,627	4.88%	1,663,473	204,846
GENERAL PLANT AMORTIZED							
29001	Leasehold Improvements	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	-
29102	PC Equipment	21,987	20.00%	4,397	20.00% (1)	4,397	-
29300	Stores Equipment	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	-
29500	Laboratory Equipment	176,333	5.00%	8,817	5.00% (1)	8,817	-
29700	Communications Equipment	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	-
Total General Amortized		4,660,142	3.58%	237,509	5.22%	243,041	5,532
Total General Plant (excludes land)		38,741,072	3.88%	1,696,136	4.92%	1,906,514	210,378
Total Plant Depreciated & Amortized (excludes land)		783,920,185	2.01%	16,468,427	2.39%	18,755,676	2,287,249
Total Plant with Land and Intangibles		\$ 790,213,854					

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

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

Account		Plant Balance 12/31/2022	Existing		Recommended		Increase/ Decrease
Number	Description		Rates %	Annual Accrual	Rates %	Annual Accrual	
STORAGE PLANT							
26100	Structures & Improvements	\$ 14,030,938	3.68%	\$ 516,339	2.75%	\$ 385,851	\$ (130,488)
26200	Gas Holders	4,102,434	0.19%	7,795	1.85%	75,895	68,100
26300	Purification Equipment	6,608,481	3.89%	257,070	4.32%	285,486	28,416
26310	Liquefaction Equipment	15,299,548	3.64%	556,904	2.90%	443,687	(113,217)
26320	Vaporizing Equipment	20,836,303	3.95%	823,034	4.05%	843,870	20,836
26330	Compressor Equipment	9,818,090	3.08%	302,397	3.04%	298,470	(3,927)
26340	M&R Equipment	28,208	6.61%	1,865	3.05%	860	(1,004)
26350	Other Equipment	2,829,228	4.00%	113,169	4.17%	117,979	4,810
Total Storage Plant		73,553,230	3.51%	2,578,571	3.33%	2,452,098	(126,473)
TRANSMISSION PLANT							
26520	Land Rights	18,560,350	1.25%	232,004	1.33%	246,853	14,848
26620	M&R Station Structures	1,935,009	2.00%	38,700	2.33%	45,086	6,386
26700	Mains	334,930,097	1.39%	4,655,528	2.02%	6,765,588	2,110,060
26900	M&R Equipment	46,482,923	2.00%	929,658	2.33%	1,083,052	153,394
Total Transmission Plant		401,908,379	1.46%	5,855,891	2.03%	8,140,578	2,284,687
DISTRIBUTION PLANT							
27401	Rights of Way	4,607,773	1.38%	63,587	1.32%	60,823	(2,765)
27500	Structures & Improvements	218,689	3.05%	6,670	1.61%	3,521	(3,149)
27600	Mains	681,344,427	1.58%	10,765,242	1.83%	12,468,603	1,703,361
27800	M&R Equipment	28,764,699	2.89%	831,300	2.34%	673,094	(158,206)
27900	City Gate Equipment	15,520,350	2.49%	386,457	2.19%	339,896	(46,561)
28000	Services	365,260,270	2.63%	9,606,345	3.00%	10,957,808	1,351,463
28100	Meters - Commercial & Industrial	16,680,016	3.28%	547,105	2.97%	495,396	(51,708)
28101	Meters - Residential	10,727,669	3.28%	351,868	3.29%	352,940	1,073
28105	ERT's and Accessories	8,124,665	3.55%	288,426	3.49%	283,551	(4,875)
28106	Honeywell AMI Meters - New	-	3.28%	-	5.00% (1)	-	-
28200	Meter Installations	21,819,465	3.10%	676,403	3.07%	669,858	(6,546)
28300	House Regulators	4,013,114	2.55%	102,334	2.97%	119,189	16,855

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

Account		Plant Balance 12/31/2022	Existing		Recommended		Increase/ Decrease
Number	Description		Rates %	Annual Accrual	Rates %	Annual Accrual	
28400	House Regulator Installations	3,471,745	2.24%	77,767	2.87%	99,639	21,872
28500	Industrial M&R Equipment	7,458,007	2.70%	201,366	1.94%	144,685	(56,681)
<b>Total Distribution Plant</b>		<u>1,168,010,888</u>	<u>2.05%</u>	<u>23,904,870</u>	<u>2.28%</u>	<u>26,669,003</u>	<u>2,764,134</u>
<b>GENERAL PLANT DEPRECIATED</b>							
29000	Structures & Improvements	24,883,688	1.93%	480,255	2.00%	497,674	17,419
29002	Compressed Natural Gas	4,016,998	4.95%	198,841	3.62%	145,415	(53,426)
29210	Passenger Cars & Station Wagon	755,193	11.43%	86,319	3.03%	22,882	(63,436)
29242	Transportation 7 Year Urban	10,311,743	7.61%	784,724	4.44%	457,841	(326,882)
29243	Transportation - Heavy Duty	3,935,807	4.54%	178,686	5.71%	224,735	46,049
29244	Transportaion - Trailers & Other	238,572	3.62%	8,636	5.81%	13,861	5,225
29600	Power Operated Equipment	1,495,529	2.35%	35,145	3.27%	48,904	13,759
<b>Total General Depreciated Plant</b>		<u>45,637,531</u>	<u>3.66%</u>	<u>1,772,606</u>	<u>3.09%</u>	<u>1,411,312</u>	<u>(361,293)</u>
<b>Total Depreciated Plant</b>		<u>1,689,110,028</u>	<u>2.03%</u>	<u>34,111,938</u>	<u>2.29%</u>	<u>38,672,992</u>	<u>4,561,054</u>
<b>GENERAL PLANT AMORTIZED</b>							
29100	Office Furniture & Equipment	2,728,937	5.00%	136,447	5.00%	136,447	-
29102	PC Equipment	9,964	20.33%	2,026	20.00%	1,993	(33)
29400	Tools, Shop & Garage Equipment	3,161,374	5.00%	158,069	5.00%	158,069	-
29500	Laboratory Equipment	105,879	5.00%	5,294	5.00%	5,294	-
29700	Communication Equipment	874,701	6.67%	58,343	6.67%	58,343	-
29800	Miscellaneous Equipment	656,945	5.00%	32,847	5.00%	32,847	-
<b>Total General Amortized Plant</b>		<u>7,537,800</u>	<u>5.25%</u>	<u>393,025</u>	<u>5.21%</u>	<u>392,992</u>	<u>(33)</u>
<b>Total Depreciated &amp; Amortized Plant</b>		<u>\$ 1,696,647,828</u>	<u>2.05%</u>	<u>\$ 34,504,963</u>	<u>2.30%</u>	<u>\$ 39,065,985</u>	<u>\$ 4,561,021</u>

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

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

Account		Plant Balance 12/31/2022	Existing		Recommended		Increase/ Decrease
Number	Description		Rate	Annual Accrual	Rate	Annual Accrual	
STORAGE PLANT DEPRECIATED							
26001	Rights of Way	\$ 117,629	0.00%	\$ -	1.26%	\$ 1,482	\$ 1,482
26100	Structures & Improvements	167,787,704	2.02%	3,389,312	2.67%	4,479,932	1,090,620
26200	Gas Holders	113,458,495	1.48%	1,679,186	1.70%	1,928,794	249,609
26300	Purification Equipment	58,728,924	2.46%	1,444,732	3.89%	2,284,555	839,824
26310	Liquefaction Equipment	69,260,510	2.06%	1,426,767	2.86%	1,980,851	554,084
26320	Vaporization Equipment	57,559,802	3.43%	1,974,301	4.24%	2,440,536	466,234
26330	Compressor Equipment	22,841,851	2.51%	573,330	2.98%	680,687	107,357
26340	M&R Equipment	1,123,236	3.10%	34,820	3.08%	34,596	(225)
26350	Other Equipment	14,479,551	2.98%	431,491	3.93%	569,046	137,556
Total Storage		505,357,704	2.17%	10,953,938	2.85%	14,400,479	3,446,541
DISTRIBUTION PLANT DEPRECIATED							
27500	Structures & Improvements	824,052	4.60%	37,906	0.25%	2,060	(35,846)
28100	Meters	100,076	4.50%	4,503	2.64%	2,642	(1,861)
28104	Meters - Meter Accessories	1,980,582	14.46%	286,392	0.23%	4,555	(281,837)
28106	Honeywell AMI Meters - New Account	-	4.50%	-	5.00% (1)	-	-
Total Distribution		2,904,710	1.46%	42,410	0.16%	4,702	(37,708)
GENERAL PLANT DEPRECIATED							
29000	Structures & Improvements	215,747	2.10%	4,531	2.12%	4,574	43
29242	Transportation - 7 Year Urban Use	380,714	8.83%	33,617	17.44%	66,397	32,779
29243	Transportation - 10 Year Heavy Duty	225,057	7.29%	16,407	11.98%	26,962	10,555
29244	Transportation - Trailers & Other	5,636	4.94%	278	20.60%	1,161	883
29600	Power Operated Equipment	861,228	3.71%	31,952	4.71%	40,564	8,612
Total General Depreciated		1,688,381	5.14%	86,784	8.27%	139,657	52,873
GENERAL PLANT AMORTIZED							
29100	Office Furniture & Equipment	218,667	5.00%	10,933	5.00%	10,933	-
29400	Tools, Shop & Garage Equipment	997,199	5.00%	49,860	5.00%	49,860	-
29500	Laboratory Equipment	367,010	5.00%	18,350	5.00%	18,350	-
29700	Communications Equipment	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	-
Total General Amortized		3,465,828	5.21%	180,742	5.64%	195,510	14,768
Total General Plant		5,154,209	5.19%	267,526	6.50%	335,167	67,641
Total Plant Depreciated & Amortized		\$ 513,416,623	2.19%	\$ 11,263,874	2.87%	\$ 14,740,348	\$ 3,476,474

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

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

**Appendix B5  
Page 1 of 2**

Account		Plant Balance 12/31/2022	Existing		Recommended		Increase/ Decrease
Number	Description		Rate	Annual Accrual	Rate	Annual Accrual	
<b>DISTRIBUTION PLANT DEPRECIATED</b>							
28100	Meters - Commercial & Industrial	\$ 7,352,675	4.50%	\$ 330,870	3.16%	\$ 232,345	\$ (98,526)
28101	Meters - Residential	5,107,469	4.50%	229,836	4.07%	207,874	(21,962)
28105	Meters - Meter Accessories & ERTs	18,114,802	14.46%	2,619,400	4.36%	789,805	(1,829,595)
28106	Honeywell AMI Meters - New Account	-	4.50%	-	5.00% *	-	-
<b>Total Distribution</b>		<u>30,574,945</u>	<u>11.91%</u>	<u>2,849,236</u>	<u>3.26%</u>	<u>997,679</u>	<u>(1,851,557)</u>
<b>GENERAL PLANT DEPRECIATED</b>							
29000	Structures & Improvements	2,677,624	2.10%	56,230	2.35%	62,924	6,694
29240	Transportation 3 Year Meter Reading Trucks	104,284	18.07%	-	25.00% (1)	-	-
29241	Transportation 5 Year Rural	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
29243	Transportation - 10 Year Heavy Duty	130,042	7.29%	9,480	35.60%	46,295	36,815
29244	Transportation - Trailers & Other	21,889	4.94%	1,081	36.76%	8,046	6,965
<b>Total General Depreciated</b>		<u>5,192,254</u>	<u>5.23%</u>	<u>320,656</u>	<u>14.00%</u>	<u>727,099</u>	<u>406,442</u>
<b>GENERAL PLANT AMORTIZED</b>							
29001	Leasehold Improvements	39,914	4.76%	1,900	7.50% (2)	6,893	4,993
29100	Office Furniture & Equipment	7,145,598	5.00%	357,280	5.00% (2)	1,201,258	843,978
29101	Electronic Data Processing/Mainframe Equipment	1,454,289	20.00%	290,858	20.00% (2)	486,140	195,283

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

**Appendix B5  
Page 2 of 2**

Account		Plant Balance 12/31/2022	Existing		Recommended		Increase/ Decrease
Number	Description		Rate	Annual Accrual	Rate	Annual Accrual	
29102	PC/Server Equipment	10,435,491	20.00%	2,087,098	20.00% (2)	3,444,910	1,357,812
29400	Tools, Shop & Garage Equipment	3,794,578	5.00%	189,729	5.00% (2)	452,657	262,928
29700	Communications Equipment	18,874,490	5.56%	1,049,422	6.67% (2)	2,042,918	993,497
29800	Miscellaneous Equipment	33,588	5.00%	1,679	5.00% (2)	3,917	2,237
<b>Total General Amortized</b>		<u>41,777,947</u>	<u>9.27%</u>	<u>3,977,966</u>	<u>18.28%</u>	<u>7,638,693</u>	<u>3,660,728</u>
<b>Total General Plant</b>		<u>46,970,201</u>	<u>8.76%</u>	<u>4,298,622</u>	<u>17.81%</u>	<u>8,365,792</u>	<u>4,067,170</u>
<b>Total Plant Depreciated &amp; Amortized</b>		<u>\$ 77,545,146</u>	<u>9.64%</u>	<u>\$ 7,147,858</u>	<u>12.07%</u>	<u>\$ 9,363,471</u>	<u>\$ 2,215,613</u>

\*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) Customer Information System is fully accrued and will be retired in 2024, so it has been excluded.

**APPENDIX C**  
**Comparison of Mortality Characteristics**

[illegible]



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

		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	Account Description		Life	Curve	NS	Life	Curve	NS	Life	Curve	NS	Life	Curve	NS
<b>GENERAL PLANT DEPRECIATED</b>														
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%
<b>TRANSPORTATION EQUIPMENT</b>														
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%
<b>GENERAL PLANT AMORTIZED</b>														
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%
<b>ACCOUNTS FULLY DEPRECIATED &amp; RETIRED</b>														
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%	-15.89%	-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%	-59.65%	-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						
26300	2007	-	-	-	-	NA	NA	NA	NA	NA					

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. %
26300	2008	-	-	-	-	NA	NA	NA	NA	NA	NA				
26300	2009	-	-	-	-	NA	NA	NA	NA	NA	NA	NA			
26300	2010	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA		
26300	2011	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	
26300	2012	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26300	2013	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26300	2014	635,414	-	346,751	(346,751)	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%
26300	2015	-	-	-	-	NA	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%
26300	2016	-	-	-	-	NA	NA	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%
26300	2017	-	-	-	-	NA	NA	NA	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%
26300	2018	-	-	-	-	NA	NA	NA	NA	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%
26300	2019	-	-	-	-	NA	NA	NA	NA	NA	-54.57%	-54.57%	-54.57%	-54.57%	-54.57%
26300	2020	87,251	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-47.98%	-47.98%	-47.98%	-47.98%
26300	2021	1,431,410	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-16.10%	-16.10%	-16.10%
26300	2022	5,028,685	-	1,289,868	(1,289,868)	-25.65%	-19.97%	-19.70%	-19.70%	-19.70%	-19.70%	-19.70%	-19.70%	-22.79%	-22.79%
26310	2010	-	-	-	-	NA									
26310	2011	-	-	-	-	NA	NA								
26310	2012	-	-	-	-	NA	NA	NA							
26310	2013	-	-	-	-	NA	NA	NA	NA						
26310	2014	706,968	-	207,051	(207,051)	-29.29%	-29.29%	-29.29%	-29.29%	-29.29%					
26310	2015	220,877	2,308	481,808	(479,500)	-217.09%	-73.99%	-73.99%	-73.99%	-73.99%	-73.99%				
26310	2016	-	-	-	-	NA	-217.09%	-73.99%	-73.99%	-73.99%		-73.99%			
26310	2017	-	-	-	-	NA	NA	-217.09%	-73.99%	-73.99%	-73.99%	-73.99%	-73.99%		
26310	2018	-	-	-	-	NA	NA	NA	-217.09%	-73.99%	-73.99%	-73.99%	-73.99%	-73.99%	
26310	2019	127,291	-	-	-	0.00%	0.00%	0.00%	0.00%	-137.72%	-65.07%	-65.07%	-65.07%	-65.07%	-65.07%
26310	2020	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	-137.72%	-65.07%	-65.07%	-65.07%	-65.07%
26310	2021	1,298,350	-	7,432	(7,432)	-0.57%	-0.57%	-0.52%	-0.52%	-0.52%	-0.52%	-29.57%	-29.49%	-29.49%	-29.49%
26310	2022	1,280,578	-	549,110	(549,110)	-42.88%	-42.88%	-21.58%	-21.58%	-20.57%	-20.57%	-20.57%	-20.57%	-35.39%	-34.21%
26320	2003	-	-	-	-	NA									
26320	2004	-	-	-	-	NA	NA								
26320	2005	-	-	-	-	NA	NA	NA							
26320	2006	-	-	-	-	NA	NA	NA	NA						
26320	2007	-	-	-	-	NA	NA	NA	NA	NA					
26320	2008	-	-	-	-	NA	NA	NA	NA	NA	NA				
26320	2009	-	-	-	-	NA	NA	NA	NA	NA	NA	NA			
26320	2010	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA		
26320	2011	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	
26320	2012	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26320	2013	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26320	2014	2,282,563	-	1,453,012	(1,453,012)	-63.66%	-63.66%	-63.66%	-63.66%	-63.66%	-63.66%	-63.66%	-63.66%	-63.66%	-63.66%
26320	2015	16,739	-	13,997	(13,997)	-83.62%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%
26320	2016	-	-	-	-	NA	-83.62%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%
26320	2017	-	-	-	-	NA	NA	-83.62%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%
26320	2018	-	-	-	-	NA	NA	NA	-83.62%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%
26320	2019	-	-	-	-	NA	NA	NA	NA	-83.62%	-63.80%	-63.80%	-63.80%	-63.80%	-63.80%

	Activity						2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr
Account	Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
26320	2020	-	-	-	-	NA	NA	NA	NA	NA	-83.62%	-63.80%	-63.80%	-63.80%	-63.80%
26320	2021	6,989,289	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.20%	-15.79%	-15.79%	-15.79%
26320	2022	306,461	-	46,356	(46,356)	-15.13%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.83%	-15.77%	-15.77%
26330	2010	-	-	-	-	NA									
26330	2011	-	-	-	-	NA	NA								
26330	2012	-	-	-	-	NA	NA	NA							
26330	2013	-	-	-	-	NA	NA	NA	NA						
26330	2014	45,378	-	35,102	(35,102)	-77.35%	-77.35%	-77.35%	-77.35%	-77.35%					
26330	2015	59,023	-	147,417	(147,417)	-249.76%	-174.83%	-174.83%	-174.83%	-174.83%	-174.83%				
26330	2016	-	-	-	-	NA	-249.76%	-174.83%	-174.83%	-174.83%	-174.83%	-174.83%			
26330	2017	-	-	-	-	NA	NA	-249.76%	-174.83%	-174.83%	-174.83%	-174.83%	-174.83%		
26330	2018	-	-	-	-	NA	NA	NA	-249.76%	-174.83%	-174.83%	-174.83%	-174.83%	-174.83%	
26330	2019	-	-	-	-	NA	NA	NA	NA	-249.76%	-174.83%	-174.83%	-174.83%	-174.83%	-174.83%
26330	2020	-	-	-	-	NA	NA	NA	NA	NA	-249.76%	-174.83%	-174.83%	-174.83%	-174.83%
26330	2021	379,551	-	100,000	(100,000)	-26.35%	-26.35%	-26.35%	-26.35%	-26.35%	-26.35%	-56.41%	-58.38%	-58.38%	-58.38%
26330	2022	203,586	-	98,917	(98,917)	-48.59%	-34.11%	-34.11%	-34.11%	-34.11%	-34.11%	-34.11%	-53.93%	-55.48%	-55.48%
26340	2010	-	-	-	-	NA									
26340	2011	-	-	-	-	NA	NA								
26340	2012	-	-	-	-	NA	NA	NA							
26340	2013	-	-	-	-	NA	NA	NA	NA						
26340	2014	574,060	-	143,285	(143,285)	-24.96%	-24.96%	-24.96%	-24.96%	-24.96%					
26340	2015	-	-	-	-	NA	-24.96%	-24.96%	-24.96%	-24.96%	-24.96%				
26340	2016	-	-	-	-	NA	NA	-24.96%	-24.96%	-24.96%	-24.96%	-24.96%			
26340	2017	-	-	-	-	NA	NA	NA	-24.96%	-24.96%	-24.96%	-24.96%	-24.96%		
26340	2018	-	-	-	-	NA	NA	NA	NA	-24.96%	-24.96%	-24.96%	-24.96%	-24.96%	
26340	2019	-	-	-	-	NA	NA	NA	NA	NA	-24.96%	-24.96%	-24.96%	-24.96%	-24.96%
26340	2020	-	-	-	-	NA	NA	NA	NA	NA	NA	-24.96%	-24.96%	-24.96%	-24.96%
26340	2021	15,750	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-24.29%	-24.29%	-24.29%
26340	2022	172	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-24.29%	-24.29%
26350	2003	-	-	-	-	NA									
26350	2004	-	-	-	-	NA	NA								
26350	2005	-	-	-	-	NA	NA	NA							
26350	2006	-	-	-	-	NA	NA	NA	NA						
26350	2007	-	-	-	-	NA	NA	NA	NA	NA					
26350	2008	-	-	-	-	NA	NA	NA	NA	NA	NA				
26350	2009	-	-	-	-	NA	NA	NA	NA	NA	NA	NA			
26350	2010	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA		
26350	2011	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	
26350	2012	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26350	2013	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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%

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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%					
26620	2020	-	-	-	-	NA	NA	-13.66%	-321.98%	-202.29%	-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%		

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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%	-3.10%	-9.57%	-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						
26800	2007	-	-	-	-	NA	NA	NA	NA	NA					
26800	2008	-	-	-	-	NA	NA	NA	NA	NA	NA				
26800	2009	-	-	-	-	NA	NA	NA	NA	NA	NA	NA			
26800	2010	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA		
26800	2011	2,693,127	210,000	104,006	105,994	3.94%	3.94%	3.94%	3.94%	3.94%	3.94%	3.94%	3.94%	3.94%	
26800	2012	255,651	205,555	626	204,929	80.16%	10.54%	10.54%	10.54%	10.54%	10.54%	10.54%	10.54%	10.54%	10.54%
26800	2013	-	-	25,286	(25,286)	NA	70.27%	9.69%	9.69%	9.69%	9.69%	9.69%	9.69%	9.69%	9.69%
26800	2014	4,759,179	30,000	47,413	(17,413)	-0.37%	-0.90%	3.24%	3.48%	3.48%	3.48%	3.48%	3.48%	3.48%	3.48%
26800	2015	-	-	-	-	NA	-0.37%	-0.90%	3.24%	3.48%	3.48%	3.48%	3.48%	3.48%	3.48%
26800	2016	-	-	-	-	NA	NA	-0.37%	-0.90%	3.24%	3.48%	3.48%	3.48%	3.48%	3.48%
26800	2017	-	-	-	-	NA	NA	NA	-0.37%	-0.90%	3.24%	3.48%	3.48%	3.48%	3.48%
26800	2018	-	-	-	-	NA	NA	NA	NA	-0.37%	-0.90%	3.24%	3.48%	3.48%	3.48%
26800	2019	1,052,442	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-0.30%	-0.73%	2.67%	3.06%	3.06%
26800	2020	2,194,202	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.22%	-0.53%	1.96%	2.45%
26800	2021	4,040,111	-	214,900	(214,900)	-5.32%	-3.45%	-2.95%	-2.95%	-2.95%	-2.95%	-2.95%	-1.93%	-2.14%	-0.43%
26800	2022	3,072,624	(4,140)	3,327,386	(3,331,527)	-108.43%	-49.86%	-38.11%	-34.23%	-34.23%	-34.23%	-34.23%	-34.23%	-23.57%	-23.74%
26900	2003	-	-	-	-	NA									
26900	2004	-	-	-	-	NA	NA								
26900	2005	-	-	-	-	NA	NA	NA							
26900	2006	-	-	7,948	(7,948)	NA	NA	NA	NA						

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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%	-139.16%	-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							
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%	



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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	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%	-43.55%	-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%			
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%

PIEDMONT NATURAL GAS - SYSTEM  
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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. %
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%	-12.94%	-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%	-91.72%	-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%	-71.82%	-71.82%	-68.89%	-68.64%
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%

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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. %
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%	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%	0.11%	0.09%	-0.31%	-0.35%	-0.43%	-0.30%	-0.26%	-0.27%	-0.16%
28100	2021	3,566,411	-	324	(324)	-0.01%	0.16%	0.08%	0.07%	-0.26%	-0.30%	-0.37%	-0.26%	-0.24%	-0.24%
28100	2022	1,043	-	-	-	0.00%	-0.01%	0.16%	0.08%	0.07%	-0.26%	-0.30%	-0.37%	-0.26%	-0.24%
28104	2009	-	-	-	0	NA									
28104	2010	109,783	-	-	0	0	0								
28104	2011	93,556	-	-	0	0	0	0							
28104	2012	85,110	-	-	0	0	0	0	0						
28104	2013	84,053	-	-	0	0	0	0	0	0					
28104	2014	72,404	-	-	0	0	0	0	0	0	0				
28104	2015	71,215	-	-	0	0	0	0	0	0	0	0			
28104	2016	84,034	-	-	0	0	0	0	0	0	0	0	0		
28104	2017	67,859	-	-	0	0	0	0	0	0	0	0	0	0	
28104	2018	-	-	-	0	NA	0	0	0	0	0	0	0	0	0
28104	2019	-	-	-	0	NA	NA	0	0	0	0	0	0	0	0
28104	2020	-	-	-	0	NA	NA	NA	0	0	0	0	0	0	0
28104	2021	-	-	-	0	NA	NA	NA	NA	0	0	0	0	0	0
28104	2022														
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%			

Activity							2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr
Account	Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
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	-0.05%	-0.05%	-0.05%	-0.04%	-0.03%	-0.03%	-0.03%	-0.02%	-0.02%
28200	2022	-	-	-	-	NA	NA	-0.05%	-0.05%	-0.05%	-0.04%	-0.03%	-0.03%	-0.03%	-0.02%
28300	2003	-	-	-	-	NA									
28300	2004	-	-	-	-	NA	NA								
28300	2005	-	-	-	-	NA	NA	NA							
28300	2006	-	-	-	-	NA	NA	NA	NA						
28300	2007	-	-	-	-	NA	NA	NA	NA	NA					
28300	2008	5,589	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
28300	2009	(5,589)	-	-	-	0.00%	NA	NA	NA	NA	NA	NA			
28300	2010	2,812,478	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
28300	2011	548,883	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28300	2012	490,930	-	-	-	0.00%	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%	0.00%
28300	2014	414,795	-	-	-	0.00%	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%	0.00%
28300	2016	481,938	-	-	-	0.00%	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%	0.00%
28300	2018	-	-	-	-	NA	0.00%	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%	0.00%
28300	2020	-	-	-	-	NA	NA	NA	0.00%	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%	0.00%

PIEDMONT NATURAL GAS - SYSTEM  
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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. %
28300	2022	-	-	-	-	NA	0.00%	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%	0.00%		
28400	2011	120,493	-	-	-	0.00%	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%	0.00%
28400	2013	108,247	-	-	-	0.00%	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%	0.00%
28400	2015	91,698	-	-	-	0.00%	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%	0.00%
28400	2017	87,377	-	-	-	0.00%	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%	0.00%
28400	2019	-	-	-	-	NA	NA	0.00%	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%	0.00%
28400	2021	-	-	-	-	NA	NA	NA	NA	0.00%	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%	0.00%
282-284 C	1988	-	-	-	-	NA									
282-284 C	1989	-	-	-	-	NA	NA								
282-284 C	1990	-	-	-	-	NA	NA	NA							
282-284 C	1991	-	-	-	-	NA	NA	NA	NA						
282-284 C	1992	-	-	-	-	NA	NA	NA	NA	NA					
282-284 C	1993	5,589	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
282-284 C	1994	(5,589)	-	-	-	0.00%	NA	NA	NA	NA	NA	NA			
282-284 C	1995	8,900,042	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
282-284 C	1996	1,726,759	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
282-284 C	1997	1,547,916	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
282-284 C	1998	1,542,953	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
282-284 C	1999	1,309,055	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
282-284 C	2000	1,288,744	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
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%								

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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. %
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%	-12.19%	-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%	-25.96%	-26.40%	-27.86%
28700	2003	-	-	-	-	NA									
28700	2004	-	-	-	-	NA	NA								
28700	2005	-	-	-	-	NA	NA	NA							
28700	2006	-	-	-	-	NA	NA	NA	NA						
28700	2007	-	-	-	-	NA	NA	NA	NA	NA					
28700	2008	-	-	-	-	NA	NA	NA	NA	NA	NA				
28700	2009	161,564	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
28700	2010	3,933	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
28700	2011	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28700	2012	-	-	-	-	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28700	2013	-	-	-	-	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28700	2014	-	-	-	-	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28700	2015	-	-	-	-	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
28700	2016	-	-	-	-	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
28700	2017	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%
28700	2018	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%
28700	2019	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00%
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%		49.18%					
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%			

	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. %
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%	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%	-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%						
29100	2007	1,040,421	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%					
29100	2008	379,569	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
29100	2009	291,323	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
29100	2010	374,757	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
29100	2011	618,225	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29100	2012	719,028	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29100	2013	650,793	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29100	2014	580,698	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29100	2015	96,735	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29100	2016	1,050,389	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29100	2017	59,039	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29100	2018	207,825	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29100	2019	135,897	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	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. %
29100	2020	1,967,982	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29100	2021	607,717	-	29,813	(29,813)	-4.91%	-1.16%	-1.10%	-1.02%	-1.00%	-0.74%	-0.72%	-0.63%	-0.56%	-0.49%
29100	2022	733,145	147,445	207	147,237	20.08%	8.76%	3.55%	3.41%	3.21%	3.16%	2.47%	2.42%	2.16%	1.93%
Was 29110															
29101	2003	187,601	-	-	-	0.00%									
29101	2004	-	-	-	-	NA	0.00%								
29101	2005	-	-	-	-	NA	NA	0.00%							
29101	2006	-	-	-	-	NA	NA	NA	0.00%						
29101	2007	408,300	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%					
29101	2008	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
29101	2009	-	-	-	-	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%			
29101	2010	-	-	-	-	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%		
29101	2011	-	-	-	-	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	
29101	2012	-	-	-	-	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
29101	2013	2,056,858	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29101	2014	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29101	2015	5,509,236	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29101	2016	6,036,176	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29101	2017	6,003	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29101	2018	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29101	2019	4,800,958	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29101	2020	-	-	-	-	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29101	2021	72,961	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29101	2022	37,839	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Was 29120															
29102	2003	75,455	-	-	-	0.00%									
29102	2004	7,544,818	-	-	-	0.00%	0.00%								
29102	2005	3,060,475	-	-	-	0.00%	0.00%	0.00%							
29102	2006	65,033	-	-	-	0.00%	0.00%	0.00%	0.00%						
29102	2007	37,061,102	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%					
29102	2008	474,073	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
29102	2009	5,150,338	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
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%



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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. %
29104	2019	17,233,651	-	-	-	0.00%									
29104	2020	-	-	-	-	NA	0.00%								
29104	2021	7,409,156	-	-	-	0.00%	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%								
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%					
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%	1.54%	63.15%	63.15%			
29204	2018	-	-	-	-	NA	NA	51.50%	51.50%	51.50%	51.50%	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								

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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					
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%				

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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. %
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%						
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%	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%

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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. %
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%								
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%	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%

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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%	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%	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%	-22.59%	-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%				
29600	2009	95,436	41,199	-	41,199	43.17%	26.83%	22.54%	21.34%	21.34%	21.22%	20.64%			
29600	2010	-	-	-	-	NA	43.17%	26.83%	22.54%	21.34%	21.34%	21.22%	20.64%		
29600	2011	9,937	2,099	-	2,099	21.12%	21.12%	41.09%	26.67%	22.51%	21.34%	21.34%	21.22%	20.65%	
29600	2012	-	-	-	-	NA	21.12%	21.12%	41.09%	26.67%	22.51%	21.34%	21.34%	21.22%	20.65%
29600	2013	580,787	104,704	-	104,704	18.03%	18.03%	18.08%	18.08%	21.57%	21.29%	19.96%	19.51%	19.51%	19.48%
29600	2014	1,829,395	285,722	-	285,722	15.62%	16.20%	16.20%	16.22%	16.22%	17.24%	17.53%	17.17%	17.04%	17.04%
29600	2015	-	-	-	-	NA	15.62%	16.20%	16.20%	16.22%	16.22%	17.24%	17.53%	17.17%	17.04%
29600	2016	-	-	-	-	NA	NA	15.62%	16.20%	16.20%	16.22%	16.22%	17.24%	17.53%	17.17%
29600	2017	528,233	74,850	-	74,850	14.17%	14.17%	14.17%	15.29%	15.83%	15.83%	15.85%	15.85%	16.71%	16.99%
29600	2018	49,356	-	-	-	0.00%	12.96%	12.96%	12.96%	14.98%	15.57%	15.57%	15.59%	15.59%	16.44%
29600	2019	475,747	-	-	-	0.00%	0.00%	7.11%	7.11%	7.11%	12.51%	13.43%	13.43%	13.46%	13.46%
29600	2020	210,118	-	-	-	0.00%	0.00%	0.00%	5.92%	5.92%	5.92%	11.66%	12.67%	12.67%	12.69%
29600	2021	-	-	-	-	NA	0.00%	0.00%	0.00%	5.92%	5.92%	5.92%	11.66%	12.67%	12.67%
29600	2022	-	7,986	-	7,986	NA	NA	3.80%	1.16%	1.09%	6.56%	6.56%	6.56%	11.92%	12.88%
29700	2003	-	-	-	-	NA									
29700	2004	374,454	-	-	-	0.00%	0.00%								
29700	2005	77,294	-	-	-	0.00%	0.00%	0.00%							

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29700	2006	313,804	-	-	-	0.00%	0.00%	0.00%	0.00%						
29700	2007	715,412	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%					
29700	2008	(73,391)	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
29700	2009	236,761	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
29700	2010	272,323	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
29700	2011	109,262	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29700	2012	2,476,682	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29700	2013	1,569,817	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29700	2014	770,843	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29700	2015	219,110	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29700	2016	2,161,980	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29700	2017	615,906	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29700	2018	2,513,862	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29700	2019	3,392,092	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29700	2020	1,351,058	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29700	2021	527,749	-	10,000	(10,000)	-1.89%	-0.53%	-0.19%	-0.13%	-0.12%	-0.09%	-0.09%	-0.09%	-0.08%	-0.06%
29700	2022	47,104	-	-	-	0.00%	-1.74%	-0.52%	-0.19%	-0.13%	-0.12%	-0.09%	-0.09%	-0.09%	-0.08%
29800	2003	-	-	-	-	NA									
29800	2004	37,390	-	-	-	0.00%	0.00%								
29800	2005	30,370	-	-	-	0.00%	0.00%	0.00%							
29800	2006	61,916	-	-	-	0.00%	0.00%	0.00%	0.00%						
29800	2007	99,825	-	-	-	0.00%	0.00%	0.00%		0.00%					
29800	2008	20,301	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
29800	2009	3,584	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
29800	2010	25,001	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
29800	2011	46,523	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29800	2012	195,114	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
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%