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21-00135

October 31, 2022

Via Email and U.S. Mail

Chairman Herb Hilliard
c/o Ectory Lawless
Tennessee Public Utility Commission
502 Deaderick Street, Fourth Floor
Nashville, Tennessee 37243

Electronically Filed In TPUC Docket Room
on October 31, 2022 at 11:23 a.m.

Re: Petition of Piedmont Natural Gas Company, Inc. to Adopt an Annual Review of Rates Mechanism Pursuant to Tenn. Code Ann. § 65-5-103(d)(6)

Dear Chairman Hilliard:

As requested by the Commission, Piedmont Natural Gas Company, Inc. ("Piedmont" or the "Company") hereby submits a clean copy of its amended Service Schedule No. 318 reflecting the corrected references to Rule 1220-05-05.45 as made by Bruce Barkley on the stand at the October 10, 2022 hearing in the above-referenced proceeding.

This material is also being filed today by way of email to the Tennessee Public Utility Commission docket manager, Ectory Lawless. Please file the original and provide a "filed" stamped copy of the same via email.

Please do not hesitate to call me if you have any questions.

Very truly yours,

Paul S. Davidson

PSD:aw

Enclosures

cc: Consumer Advocate
Bruce Barkley
Pia Powers
James Jeffries IV

SERVICE SCHEDULE NO. 318

Annual Review Mechanism (ARM)

I. OVERVIEW

Applicable

To service provided to customers under all Rate Schedules, including service provided to customers under approved special contracts.

Purpose

This Annual Review Mechanism (“ARM”) is implemented under the provisions of Tennessee Code Annotated Section 65-5-103(d)(6), which authorizes the Company to elect to opt into an annual review of the Company's rates. Pursuant to this ARM and the annual filings described herein, the Company's rates shall be adjusted to provide that the Company earns its Authorized Return on Equity on prudently incurred costs as defined by the Tennessee Public Utility Commission (“TPUC” or the “Commission”). The rate adjustments implemented under the ARM, which are to the Company's Base Margin Rates and its ARM Rider Rates, will reflect changes in the Company's jurisdictional operating revenues, cost of service, and rate base. Jurisdictional operating revenues and expenses exclude gains or losses related to gas supply hedging activities, off system sales, other gas supply and capacity secondary marketing activities, and other non-jurisdictional transactions as determined by the Commission. The ARM may be terminated or modified as provided under of Tennessee Code Annotated Section 65-5-103(d)(6)(D).

Piedmont's Base Margin Rates and ARM Rider Rates shall be reset on an annual basis pursuant to the procedures and information specified in this Tariff.

Nothing in this Tariff shall preclude intervenors or the Commission from identifying errors, omissions, or inconsistencies in the Company's ARM calculations, including adjusting such items within the determination of HBP results.

Global Definitions

- A. **Annual ARM Filing** shall consist of the components described below. The Company will simultaneously copy the Consumer Advocate on all Annual ARM Filings.
- B. **Annual ARM Filing Date** shall be the date the Company submits its Annual ARM Filing to the TPUC. The Annual ARM Filing Date shall be no later than May 20 of each year. The initial Annual ARM Filing shall be submitted by May 20, 2023 and shall include results for the Historical Base Period of calendar year 2022.

- C. **Annual ARM Proceeding** refers to the annual docketed proceedings in which the Company's Annual ARM Filings shall be reviewed.
- D. **Historic Base Period ("HBP")** is defined as the Company's most recently completed 12-month fiscal year ended December 31 prior to each ARM Annual Filing Date. The initial HBP shall be the 12-month fiscal year ended December 31, 2022.
- E. **Effective Date of ARM Rates** refers to the date that new ARM Rider Rates and new Base Margin Rates take effect. The Effective Date of ARM Rates shall be October 1 of each year pursuant to the Annual ARM Filing. As such, all bills rendered starting with October cycle 1 each year shall be billed under the new ARM Rider Rates and new Base Margin Rates.
- F. **2020 Rate Case Settlement** refers to the Stipulation and Settlement Agreement between Piedmont and the Consumer Advocate filed with the TPUC on February 2, 2021 in Docket No. 20-00086, which was subsequently approved by the TPUC.
- G. **Authorized Return on Equity** is defined as the 9.80% return on equity established in Docket No. 20-00086, or that which is established by the TPUC in any subsequent general rate case for the Company.
- H. **Overall Cost of Capital** is defined as the overall cost of capital for the applicable period, as stated on ARM Filing Schedule 10.
- I. **HBP Net Operating Income Deficiency (Sufficiency)** shall be computed as the difference between the net operating income for return in the HBP and the net operating income for return in the HBP that is required to produce the Authorized Return on Equity.
- J. **HBP Revenue Requirement Deficiency (Sufficiency)** shall be the HBP Net Operating Income Deficiency (Sufficiency) multiplied by the Revenue Conversion Factor.
- K. **Carrying Costs** are computed by applying an interest rate to the HBP Revenue Requirement Deficiency (Sufficiency) from the midpoint date of the HBP to the effective date of the ARM Rider Rates, which reflects a total of 15 months from July 1 of the HBP thru Sept 30 of the following year. The interest rate used shall be the net-of-tax Overall Cost of Capital rate including the Authorized Return on Equity, for the HBP.
- L. **ARM Reconciliation Deferred Account** shall be the interest-bearing regulatory asset or liability account to which the approved HBP Revenue Requirement Deficiency (Sufficiency) and Carrying Costs are recorded each October. The actual collections from customers (or refunds to customers) arising from the ARM Rider Rates shall be applied to the ARM Reconciliation Deferred Account each month in order to relieve its balance. Interest shall be accrued monthly to the ARM Reconciliation Deferred Account at a rate equivalent to the Company's net-of-tax Overall Cost of Capital under which Base Margin Rates were last established. Interest shall be applied to the average of the beginning and ending monthly balances. The ARM Reconciliation Deferred Account shall not be included in rate base for purposes of determining the HBP Net Operating Income Deficiency (Sufficiency) or the Annual Base Rate Reset Net Operating Income Deficiency (Sufficiency).
- M. **ARM Regulatory Asset** shall be the account(s) to which the Company records Interest Deferrals and Depreciation Expense Deferrals associated with plant in service that has not

yet been included in rate base. The Company shall be authorized to establish and include in rate base this ARM Regulatory Asset. The Company shall segregate its deferrals to the ARM Regulatory Asset by HBP. Upon the effective date of new Base Margin Rates each year, the Dec 31 balance of the ARM Regulatory Asset for the most recent HBP shall begin to be amortized evenly over a period of time equivalent to the depreciable life of its underlying plant assets.

- i. **Interest Deferrals:** On a monthly basis, the Company shall record deferred interest to the ARM Regulatory Asset. The rate for such deferred interest shall be the pretax Overall Cost of Capital under which Base Margin Rates were last established. Such deferred interest shall be calculated on all plant placed into service that is not yet included in rate base, and shall continue to accrue and be added to balance of the ARM Regulatory Asset during and after the HBP until such time that the underlying plant is included in rate base. The Company shall take care not to double count the application of Interest Deferrals and the recording of Allowance for Funds Used During Construction (AFUDC). The plant balance upon which the interest deferrals are calculated shall account for incremental plant additions net of a) incremental plant retirements; b) a provision adding or subtracting incremental deferred income taxes on plant assets not yet in rate base; c) a provision subtracting the increase in accumulated depreciation on assets already included in rate base; and d) a provision adding the depreciation expense deferred on assets not yet included in rate base.
 - ii. **Depreciation Expense Deferrals:** On a monthly basis, the Company shall record deferred depreciation expense to the ARM Regulatory Asset on plant not yet included in rate base. This accounting will result in a credit to depreciation expense and a debit to the ARM Regulatory Asset. The deferred depreciation expense shall be calculated on all plant placed into service that is not yet included in rate base, and shall continue to be added to the balance of the ARM Regulatory Asset during and after the HBP until such time that the underlying plant is included in rate base.
- N. **Annual Base Rate Reset Net Operating Income Deficiency (Sufficiency)** shall be computed as the difference in the net operating income for return for the Annual Base Rate Reset period under present Base Rates less the net operating income for return for the Annual Base Rate Reset period that is required to produce the Authorized Return on Equity.
- O. **Annual Base Rate Reset Revenue Requirement Deficiency (Sufficiency)** shall be the Annual Base Rate Reset Net Operating Income Deficiency (Sufficiency) multiplied by the Revenue Conversion Factor.
- P. **New Matters** refers to any issue, adjustment and/or ambiguity in or for any account, method of accounting or estimation, or ratemaking topic that would directly or indirectly affect the Annual ARM Filing for which there is no explicit prior determination by the TPUC regarding the Company since the 2020 Rate Case Settlement.
- Q. **ARM Rider Rates** refer to the customer billing rates per therm intended to relieve the ARM Reconciliation Deferred Account Balance over a 12-month period. The ARM Rider Rates will be updated each year on the Effective Date of ARM Rates. In each Annual ARM Filing, the Company shall propose new ARM Rider Rates based on the ARM

Deferred Account Balance at March 31 of the year after the HBP plus the current Annual ARM Proceeding's HBP Revenue Requirement Deficiency (Sufficiency) and Carrying Costs.

- R. **Base Rates** refer to those base rates per therm shown in Columns <1>, <2> and <3> of the Company's Tariff Sheet No. 1.
- i. **Base Margin Rates** refer to those base rates per therm shown in Column <1> of the Company's Tariff Sheet No. 1. The Base Margin Rates will be adjusted each year on the Effective Date of ARM Rates in accordance with the approved Annual Base Rate Reset Revenue Requirement Deficiency (Sufficiency).
 - ii. **Base PGA Rates** refer to those base rates per therm shown in Columns <2> and <3> of the Company's Tariff Sheet No. 1, which are subject to adjustment caused by changes in the cost of purchased gas in accordance with Service Schedule No. 311, "Purchased Gas Adjustment (PGA) Rider".
- S. **Applicable Rate Schedules** are the Rate Schedules for which the ARM Rider Rates and the Base Margin Rates as updated under the ARM shall apply. The Applicable Rate Schedules are Rate Schedules 301, 302, 343, 352, 303, 304, 310, 313 and 314, which represent all of Piedmont's Rate Schedules.
- T. **Revenue Conversion** Factor shall be computed consistent with the paragraph 14.m. of the 2020 Rate Case Settlement.

Components of the Annual ARM Filing

On the Annual ARM Filing Date each year, the Company shall file with the TPUC schedules and workpapers that calculate the HBP Revenue Requirement Deficiency (Sufficiency) and the Annual Base Rate Reset Revenue Requirement Deficiency (Sufficiency) in accordance with this tariff. The Company's Annual ARM Filing shall specifically include the following:

1. ARM Filing Schedules, described in Section IV herein.
2. Workpapers supporting the ARM Filing Schedules (in electronic, native format with formulas intact).
3. Direct Testimony supporting the ARM Filing Schedules and requested rate adjustments, and also specifically including:
 - a. An explanation of the nature and extent of incremental deferred environmental expenses, pursuant to the requirements of para. 17.i. of the 2020 Rate Case Settlement; and
 - b. An explanation and support to demonstrate that incremental pension deferral amounts were prudently incurred to meet the Company's obligation to qualified employees and retirees, pursuant to the requirements of para. 17.b. of the 2020 Rate Case Settlement.¹

¹ Pursuant to Commission Order issued July 25, 2022 in Docket No. 21-00135, no additional regulatory asset for pension or OPEB above the amount that was authorized for recovery in Piedmont's last rate case shall be established for ratemaking purposes unless the Company first obtains express approval from the Commission.

4. Attestation from a Company officer, signed and notarized.
5. Proposed Tariff Changes.
6. Proposed Procedural Schedule.

II. HBP RECONCILIATION

The following methodologies shall be used in the ARM Filing Schedules, supporting workpapers and computations necessary to calculate the Company's HBP Revenue Requirement Deficiency (Sufficiency).

The HBP Revenue Requirement Deficiency (Sufficiency) and Carrying Costs shall be recovered through the ARM Rider Rates. The ARM Rider Rates shall be established for the Applicable Rate Schedules based on the amount of the ARM Reconciliation Deferred Account balance at March 31 of the year after the HBP plus the current Annual ARM Proceeding's HBP Revenue Requirement Deficiency (Sufficiency) and Carrying Costs.

The ARM Rider Rates shall be developed for each Applicable Rate Schedule based upon the respective customer billing determinants used in the computation of the Gas Sales and Transportation Revenues under Section III of this Tariff. In its Annual ARM Filing, Piedmont shall make a proposal for how to allocate any amount of HBP Revenue Requirement Deficiency (Sufficiency) among the Applicable Rate Schedules and the specific design for how the ARM Rider Rates are to be increased (decreased) for each Applicable Rate Schedule in accordance with the approved methodologies. Any intervenor party may make its own proposal for how the revenue deficiency (sufficiency) should be allocated to the Applicable Rate Schedules and the rate design for any increase (decrease) in the ARM Rider Rates. Based upon a final determination that the ARM Rider Rates need to be increased (decreased), the Commission shall order such increase (decrease) in the ARM Rider Rates be based upon the proposals of the parties or such other revenue allocation and rate design decision as it may find to be in the public interest.

Operating Revenues

- 1) **Gas Sales and Transportation Revenues** shall reflect such actual revenues from Base Rates billed for service provided to customers pursuant to the provisions of the Company's TPUC-approved rates and charges (including special contracts) and recorded during the HBP.
- 2) **Forfeited Discount Revenues** shall reflect such actual revenues related to service provided to customers pursuant to the provisions of Company's TPUC-approved rates and charges (including special contracts) and recorded during the HBP.
- 3) **Other Revenues** shall reflect such actual revenues related to service provided to customers pursuant to the provisions of Company's TPUC-approved rates and charges (including special contracts) and HomeServe Warranty Program revenues as recorded during the

HBP, exclusive of revenues related to off system sales, other gas supply and capacity secondary marketing activities, and customer cash-out activities.

- 4) **Margin Revenues** shall reflect the sum of the Gas Sales and Transportation Revenues, Forfeited Discount Revenues and Other Revenues described herein, less Purchased Gas Expenses [Cost of Gas].

Operating Expenses

- 5) **Purchased Gas Expenses [Cost of Gas]** shall be set equivalent to the PGA portion of the actual Gas Sales and Transportation Revenues during the HBP. Note that the actual purchased gas expenses are recorded to general ledger account 804, and are recovered by the Company through the PGA mechanism.
- 6) **Other Purchased Gas Expenses** shall reflect such actual expenses recorded during the HBP. Note that these are expenses not eligible for recovery by the Company through the PGA mechanism.
- 7) **Uncollectible & Bad Debt Expenses** shall reflect such actual expenses recorded during the HBP.
- 8) **Lobbying Expenses** recorded during the HBP shall be entirely excluded from the computation of Operating Expense.
- 9) **Employee Salaries & Wages Expenses** shall reflect such actual expenses recorded during the HBP, exclusive of any such expenses related to lobbying activities and any such costs deemed excessive or not otherwise in the public interest.
- 10) **Employee Incentive Compensation Expenses** shall reflect such actual expenses recorded during the HBP, exclusive of any such expenses related to lobbying activities. Also, fifty percent of the STIP expenses recorded during the HBP and one hundred percent of the LTIP expenses recorded during the HBP shall be excluded from the computation of Operating Expenses, consistent with paragraph 14.h. of the 2020 Rate Case Settlement.
- 11) **Amortization Expenses for Deferred Rate Case Expenses for Docket No. 20-00086** recorded during the HBP shall be entirely excluded from the computation of Operating Expense, consistent with paragraphs 14.k. and 17.f. of the 2020 Rate Case Settlement.
- 12) **Amortization Expenses for Deferred Environmental Costs** shall reflect the unamortized portion of previously-approved deferred environmental costs in accordance with the previously-approved amortization period. The Company may seek recovery of Environmental Costs incurred during the HBP, in accordance with Section III. Annual Base Rate Reset of this Tariff, upon a showing of prudence and that such costs are not recoverable through insurance policies.
- 13) **Amortization Expenses for Deferred Pension Costs** shall reflect the annual expense for unamortized balance of the pension regulatory asset included in the agreed-upon rate base in the Company's last rate case in accordance with the approved amortization period from the Company's last rate case.
- 14) **Other Pension Expenses and OPEB Expenses** shall be the Tennessee jurisdictional portion of the actuarially-determined minimum contribution requirement. Any Pension and

OPEB expenses computed and recorded in accordance with GAAP, including actual contributions, during the HBP shall be excluded.

- 15) **Expense for Allocated Return on DEBS Assets** shall reflect such actual expenses properly incurred, and charged to the Company's Tennessee jurisdiction during the HBP, adjusted to reflect a return based on the Authorized Return on Equity, and exclusive of any such expense related to return on DEBS pension assets. Such return shall be applied to the balance of DEBS assets net of Accumulated Depreciation and Accumulated Deferred Income Taxes (ADIT). Recoverable expenses shall exclude any such expense related to the return on DEBS pension assets.
- 16) **Expense for TPUC Fee** shall reflect such actual expenses recorded during the HBP.
- 17) **Other O&M Expenses** shall reflect such actual expenses recorded during the HBP including HomeServe Warranty Program expenses, as well as recoverable promotional and advertising expenses consistent with Commission Rule 1220-04-05-.45, exclusive of any such expenses related to lobbying activities, and shall reflect costs necessary in the provision of natural gas service.
- 18) **Other Expense Adjustments** shall reflect adjustments made by the Company to exclude any known expenses improperly recorded as an Operating Expense during the HBP.
- 19) **Depreciation Expenses** shall reflect such actual expenses recorded during the HBP, net of credits recorded during the HBP related to Depreciation Expense Deferrals.
- 20) **Amortization Expenses for ARM Regulatory Asset** shall reflect such actual expenses recorded during the HBP related to relieving the ARM Regulatory Asset pursuant to approvals granted in prior Annual ARM Proceedings.
- 21) **Payroll Tax Expenses** shall reflect such actual expenses recorded during HBP, adjusted to comport with the labor and other compensation expense adjustments described herein.
- 22) **Property Tax Expenses** shall reflect such actual expenses recorded during the HBP.
- 23) **Other General Tax Expense** shall reflect such actual expenses recorded during the HBP.
- 24) **Amortization of Investment Tax Credit** shall reflect such actual expenses recorded during the HBP.
- 25) **State Excise Tax Expense** shall be computed using the Company's composite state tax rate in effect December 31 of the HBP, and in alignment with the representation of the adjusted revenues and expenses herein including synchronized interest on debt. The Company shall notify the Commission and the Consumer Advocate of any change in the state tax rates which comprise the Company's composite state tax rate.
- 26) **Federal Income Tax Expense** shall be computed using the statutory federal tax rate in effect as of December 31 of the HBP, and in alignment with the representation of the adjusted revenues and expenses herein including synchronized interest on debt. Federal Income Tax Expense shall be further adjusted for the amortized return of protected federal excess accumulated deferred income taxes ("EDIT") resulting from the 2017 Tax Act.

Adjustments to Net Operating Income

- 27) **AFUDC** shall reflect the 13-month average CWIP balance during the HBP multiplied by the Overall Cost of Capital in the HBP including the Authorized Return on Equity.
- 28) **Interest on Customer Deposits** shall reflect such actuals recorded during the HBP.

Rate Base

- 29) **Utility Plant in Service** shall reflect the 13-month average of the actual end-of-month (“EOM”) balances for the HBP and the month prior to the HBP. Any amount recorded to plant in service that is not truly used in providing service to customers should be removed from general ledger account 101 and either written off or reclassified to an appropriate general ledger account. The Company has the burden to demonstrate the accuracy of recordings to plant in service.
- 30) **Accumulated Depreciation** shall reflect the 13-month average of the actual EOM balances for the HBP and the month prior to the HBP.
- 31) **CWIP** shall reflect the 13-month average of the actual EOM balances, exclusive of fifty percent of STIP costs and one hundred percent of LTIP costs recorded to CWIP during the HBP and the month prior to the HBP, consistent with paragraph 14.h. of the 2020 Rate Case Settlement. Pension and OPEB cost loadings to construction projects and accounted for in CWIP shall be accounted for consistent with how such expenses are recoverable in the HBP (see above item 14 – Other Pension and OPEB expenses).
- 32) **ARM Regulatory Asset** shall reflect the 13-month average of the actual EOM balances for the HBP, excluding the components of such balance associated with the Interest Deferrals.
- 33) **ADIT** shall reflect the 13-month average of the actual EOM balances for the HBP and the month prior to the HBP, exclusive of any amounts related to unprotected federal EDIT subject to refund to customers pursuant to the TPUC's August 6, 2019 Order in Docket No. 18-00040. Items included in ADIT should be determined consistent with the inclusion/exclusion of revenue and expense items represented in the HBP. The Company shall notify the Commission and the Consumer Advocate of any change in the state tax rates which comprise the Company's composite state tax rate. Any state tax rate change will result in an excess or deficient ADIT balance and that such excess or deficiency should be preserved on the Company's books for appropriate regulatory treatment within subsequent ARM filings.
- 34) **Cash Working Capital (Lead-Lag)** shall be computed in conformity with the lag days and categories of revenue and expense in the 2020 Rate Case Settlement.
- 35) **Other Working Capital** shall reflect the 13-month average of the actual EOM balances for the HBP and the month prior to the HBP, for the following:
- a. Material and Supplies
 - b. Gas Inventory
 - c. Prepaid Insurance
 - d. Fleets & Overheads
 - e. Accounts Payables applicable to CWIP

- f. Accounts Payables applicable to Materials and Supplies
- g. Customer Deposits
- h. Interest on Customer Deposits
- i. Accrued Vacation
- j. The Company may request recovery of any Deferred Debits for Environmental Costs. The Company shall bear the burden of proof that such costs are appropriately included in rate base.
- k. Pension Costs: Piedmont shall be allowed to recover through the ARM the unamortized balance of the pension regulatory asset included in the agreed-upon rate base in the Company's last rate case in Docket No. 20-00086 through annual expense amortizations over the remaining portion of the authorized eight-year amortization period. No additional regulatory asset for pensions or OPEBs above the amount that was authorized in Piedmont's last rate case shall be established for ratemaking purposes unless the Company first obtains express approval from the Commission.

Capitalization

- 36) **Capital Structure** shall reflect the actual long-term debt, short-term-debt and common equity (not including the impact of goodwill) each as a percentage of total average capitalization for the 13-month period ending December 31 of the HBP.
- 37) **Long Term Debt Cost** shall reflect the actual average embedded cost of long-term debt for the 13-month period ending December 31 of the HBP. The computation of the embedded cost of long-term debt shall include an adjustment for unamortized loss on reacquired debt and credit facility fees.
- 38) **Short Term Debt Cost** shall reflect the actual average cost rate of short-term debt borrowings (Piedmont's intercompany money pool borrowings) for the 13-month period ending December 31 of the HBP.
- 39) **Authorized Return on Equity** as defined in Section I of this Tariff.

III. ANNUAL BASE RATE RESET

The following methodologies shall be used in the ARM Filing Schedules, supporting workpapers and computations necessary to calculate the Company's Annual Base Rate Reset Revenue Requirement Deficiency (Sufficiency).

The updated Base Rates for each Applicable Rate Schedule shall be developed based upon the respective customer billing determinants the used in the computation of the Gas Sales and Transportation Revenues as set forth in Section III of this Tariff herein. In its Annual ARM Filing, Piedmont shall make a proposal for how to allocate any amount of Annual Base Rate Reset Revenue Requirement Deficiency (Sufficiency) among the Applicable Rate Schedules and the specific design for how the updated Base Rates are to be increased (decreased) for each Applicable

Rate Schedule in accordance with the approved methodologies. Any intervenor party may make its own proposal for how the revenue deficiency (sufficiency) should be allocated to the Applicable Rate Schedules and the rate design for any increase (decrease) in the Base Rates for the Annual Base Rate Reset. Based upon a final determination that the Base Rates need to be increased (decreased), the Commission shall order such increase (decrease) in the Base Rates be based upon the proposals of the parties or such other revenue allocation and rate design decision as it may find to be in the public interest.

Operating Revenues

- 1) **Gas Sales and Transportation Revenues** shall be computed, as follows:
 - a. For service rendered under Rate Schedules 301 (Residential), 302 (Small General) and 352 (Medium General) respectively, the actual usage during the 12-month period comprising the HBP shall be normalized for weather. For this purpose, Normal Heating Degree Days (NHDD) shall be the average of the actual daily heating degree days experienced in the 30-year period ending December 31 of each HBP. A simple linear regression analysis² using actual heating degree days for each month of the HBP, actual usage by rate schedule for each month of the HBP, and the monthly NHDD will be performed to derive the normalized base load usage and heat-sensitive usage per customer for each rate schedule. Such normalized base load usage and heat-sensitive usage per customer for each rate schedule shall then be aligned with the monthly NHDD and actual number of bills rendered each month of the HBP to establish the total normalized customer usage by month by rate schedule. Normalized revenues shall then be computed by applying the present Base Rates (clean rates, which are the rate components shown in columns <1>, <2> and <3> on the Company's Tariff Sheet No. 1, and excluding ARM Rider Rates and all other non-base rates) to the derived normalized monthly customer usage and associated monthly customer count for each rate schedule.
 - b. For service rendered under Rate Schedules 303 (Large General Sales - Firm), 304 (Large General Sales - Interruptible), 310 (Resale Service), 313 (Large General Transportation - Firm), 314 (Large General Transportation - Interruptible) and 343 (Motor Vehicle Fuel Service), revenues shall be computed by applying the present Base Rates (clean rates, which are the rate components shown in columns <1>, <2> and <3> on the Company's Tariff Sheet No. 1, and excluding ARM Rider Rates and all other non-base rates to the actual monthly customer usage and customer count for each rate schedule during the HBP.

² The methodology for computing and updating base load and heat sensitivity factors shall be the simple linear regression analysis methodology ordered by the Commission for Atmos Energy Corporation in Docket No. 14-00146 and Chattanooga Gas Company in Docket No. 18-00017. The updated base load and heat sensitivity factors shall be utilized for the Company's WNA for the applicable period of time immediately following the TPUC's decision on the Company's Annual ARM Filing.

- c. For service rendered under special contracts, revenues shall be the actuals recorded during the HBP. Should a special contract customer move to a tariff rate during or after the completion of the HBP, the revenue for that customer shall instead be computed pursuant to subpart a or b above, as warranted.
- 2) **Forfeited Discount Revenues** shall reflect such actual revenues related to service provided to customers pursuant to the provisions of Company's TPUC-approved rates and charges (including special contracts) and recorded during the HBP.
- 3) **Other Revenues** shall reflect such actual revenues related to service provided to customers pursuant to the provisions of Company's TPUC-approved rates and charges (including special contracts) and HomeServe Warranty revenues as recorded during the HBP, exclusive of revenues related to off system sales, other gas supply and capacity secondary marketing activities, and customer cash-out activities.
- 4) **Margin Revenues** shall reflect the sum of the Gas Sales and Transportation Revenues, Forfeited Discount Revenues and Other Revenues, net of the amount of Purchased Gas Expenses.

Operating Expenses

- 5) **Purchased Gas Expenses [Cost of Gas]** shall be set equivalent to the computed PGA portion of Gas Sales and Transportation Revenues.
- 6) **Other Purchased Gas Expenses** shall reflect such actual expenses recorded during the HBP. Note that these are expenses not recovered by the Company through the PGA mechanism.
- 7) **Uncollectible & Bad Debt Expenses** shall reflect such actual expenses recorded during the HBP.
- 8) **Lobbying Expenses** recorded during the HBP shall be entirely excluded from the computation of Operating Expense.
- 9) **Employee Salaries & Wages Expenses** shall reflect such actual expenses recorded during the HBP, exclusive of any such expenses related to lobbying activities and any such costs deemed excessive or not otherwise in the public interest.
- 10) **Employee Incentive Compensation Expenses** shall reflect such actual expenses recorded during the HBP, exclusive of any such expenses related to lobbying activities. Also, fifty percent of the STIP expenses recorded during the HBP and one hundred percent of the LTIP expenses recorded during the HBP shall be excluded from Operating Expenses, consistent with paragraph 14.h. of the 2020 Rate Case Settlement.
- 11) **Amortization Expenses for Deferred Rate Case Expenses for Docket No. 20-00086** recorded during the HBP shall be entirely excluded from the computation of Operating Expense, consistent with paragraphs 14.k. and 17.f. of the 2020 Rate Case Settlement.

- 12) **Amortization Expenses for Deferred Environmental Costs** shall reflect the unamortized portion of previously-approved deferred environmental costs in accordance with the previously-approved amortization period. The Company may also herein seek recovery of Environmental Costs incurred during the HBP upon a showing of prudence and that such costs are not recoverable through insurance policies, and such Environmental Costs shall be represented herein in accordance with the previously-approved amortization period.
- 13) **Amortization Expenses for Deferred Pension Costs** shall reflect the unamortized balance of the pension regulatory asset included in the agreed-upon rate base in the Company's last rate case in accordance with the approved amortization period from the Company's last rate case.
- 14) **Other Pension Expenses and OPEB Expenses** shall be the Tennessee jurisdictional portion of the actuarially-determined minimum contribution requirement. Any Pension and OPEB expenses computed and recorded in accordance with GAAP, including actual contributions, during the HBP shall be excluded.
- 15) **Expense for Allocated Return on DEBS Assets** shall reflect such actual expenses properly incurred, and charges to the Company's Tennessee jurisdiction during the HBP, adjusted to reflect a return based on the Authorized Return on Equity, and exclusive of any such expense related to return on DEBS pension assets. Such return shall apply to the balance of DEBS assets net of Accumulated Depreciation and Accumulated Deferred Income Taxes (ADIT). Recoverable expenses shall exclude any such expense related to the return on DEBS pension assets.
- 16) **Expense for TPUC Fee** shall reflect such actual expenses recorded during the HBP.
- 17) **Other O&M Expenses** shall reflect such actual expenses recorded during the HBP including HomeServe Warranty Program expenses, as well as recoverable promotional and advertising expenses consistent with Commission Rule 1220-04-05-.45, exclusive of any such expenses related to lobbying activities, and shall reflect costs necessary in the provision of natural gas service.
- 18) **Other Expense Adjustments** shall reflect adjustments made by the Company to exclude any known expenses improperly recorded as an Operating Expense during the HBP.
- 19) **Depreciation Expenses** shall be computed as annualized depreciation expense aligned with the actual December 31 HBP balance of Utility Plant in Service. Depreciation expenses shall be computed using the depreciation rates approved by the Commission in the Company's most recent general rate case or any subsequent approval.
- 20) **Amortization Expenses for ARM Regulatory Asset** shall be computed as annualized amortization expense aligned with the actual December 31 HBP balance of the ARM Regulatory Asset pursuant to approvals granted in prior Annual ARM Proceedings.
- 21) **Payroll Tax Expenses** shall reflect such actual expenses recorded during HBP, adjusted to comport with the labor and other compensation expense adjustments.
- 22) **Property Tax Expenses** shall reflect such actual expenses recorded during the HBP.

- 23) **Other General Tax Expense** shall reflect such actual expenses recorded during the HBP.
- 24) **Amortization of Investment Tax Credit** shall reflect such actual expenses recorded during the HBP.
- 25) **State Excise Tax Expense** shall be computed using the Company's composite state tax rate in effect as of December 31 of the HBP, and in alignment with the representation of the adjusted revenues and expenses as described including synchronized interest on debt. The Company shall notify the Commission and the Consumer Advocate of any change in the state tax rates which comprise the Company's composite state tax rate.
- 26) **Federal Income Tax Expense** shall be computed using the statutory federal tax rate in effect as of December 31 of the HBP, and in alignment with the representation of the adjusted revenues and expenses herein including synchronized interest on debt. Federal Income Tax Expense shall be further adjusted for the amortized return of protected federal excess accumulated deferred income taxes ("EDIT") resulting from the 2017 Tax Cuts and Jobs Act.

Adjustments to Net Operating Income

- 27) **AFUDC** shall be represented as the CWIP balance at December 31st of the HBP multiplied by the Overall Cost of Capital at December 31st of the HBP including the Authorized Return on Equity.
- 28) **Interest on Customer Deposits** shall reflect such actuals recorded during the HBP.

Rate Base

- 29) **Utility Plant in Service** shall reflect the actual December 31 HBP balance. Any amount recorded to plant in service that is not truly used in providing service to customers should be removed from Account 101 and either written off or reclassified to an appropriate account. The Company has the burden to demonstrate the accuracy of recordings to Plant in Service.
- 30) **Accumulated Depreciation** shall reflect the actual December 31 HBP balance.
- 31) **CWIP** shall reflect the actual December 31 HBP balance, exclusive of fifty percent of STIP costs and one hundred percent of LTIP costs recorded to CWIP during the HBP, consistent with paragraph 14.h. of the 2020 Rate Case Settlement. Pension and OPEB cost loadings to construction projects and accounted for in CWIP shall be accounted for consistent with how such expenses are recoverable in the HBP (see above item 14 – Other Pension and OPEB expenses).
- 32) **ARM Regulatory Asset** shall reflect the actual unamortized December 31 HBP balance.
- 33) **ADIT** shall reflect the actual December 31 HBP balance, exclusive of any amounts related to the unprotected federal EDIT subject to refund to customers pursuant to the TPUC's August 6, 2019 Order in Docket No. 18-00040. Items included in ADIT should

- be determined consistent with the inclusion/exclusion of revenue and expense items reflected in the HBP.
- 34) **Cash Working Capital (Lead-Lag)** shall be computed in conformity with the lag days and categories of revenue and expense in the 2020 Rate Case Settlement.
- 35) **Other Working Capital** shall reflect the 13-month average of the actual EOM balances for the HBP and the month prior to the HBP, for the following:
- a. Material and Supplies
 - b. Gas Inventory
 - c. Prepaid Insurance
 - d. Fleets & Overheads
 - e. Accounts Payables applicable to CWIP
 - f. Accounts Payables applicable to Materials and Supplies
 - g. Customer Deposits
 - h. Interest on Customer Deposits
 - i. Accrued Vacation
 - j. The Company may request recovery of any Deferred Debits for Environmental Costs. It shall bear the burden of proof that such costs are appropriately included in Rate Base.
 - k. Pension Costs: Piedmont shall be allowed to recover through the ARM the unamortized balance of the pension regulatory asset included in the agreed-upon rate base in the Company's last rate case in Docket No. 20-00086 through annual expense amortizations over the remaining portion of the authorized eight-year amortization period. No additional regulatory asset for pensions or OPEBs above the amount that was authorized in Piedmont's last rate case shall be established for ratemaking purposes unless the Company first obtains express approval from the Commission.

Capitalization Components

- 36) **Capital Structure** shall reflect the long-term debt, short-term-debt and common equity (not including the impact of goodwill) each as a percentage of total capitalization as of December 31 of the HBP.
- 37) **Long Term Debt Cost** shall reflect the actual embedded cost of long-term debt as of December 31 of the HBP. The computation of the embedded cost of long-term debt shall include an adjustment for unamortized loss on reacquired debt and credit facility fees.
- 38) **Short Term Debt Cost** shall reflect the computed average cost rate of short-term debt borrowings (Piedmont's intercompany money pool borrowings) during the HBP.
- 39) **Authorized Return on Equity** as defined in Section I of this tariff

IV. ARM FILING SCHEDULES

| LEAD SCHEDULES | |
|-----------------------|--|
| 1 | Results of Operations |
| 2 | Rate Base |
| 3 | Lead Lag Results |
| 4A | Working Capital Expense Lag for HBP |
| 4B | Working Capital Expense Lag for Annual Base Rate Reset |
| 5 | O&M Expense Summary |
| 6A | Revenue Summary |
| 6B | Revenue Detail |
| 7 | General Tax Summary |
| 8 | Excise and Income Tax Summary |
| 9 | Income Statement under Present Rates & Proposed Rates |
| 10 | Cost of Capital Summary |
| 11 | Revenue Conversion Factor & Tax Gross Up Factor |
| 12 | Carrying Costs and ARM Reconciliation Deferred Account Balance |

| RATE BASE SCHEDULES | |
|----------------------------|---|
| 13 | Utility Plant in Service – End of Month Balances, calculation of 13 month average balance |
| 14 | Depreciation Expense – Calculation of Depreciation and Amortization Expense based on HBP Utility Plant in Service |
| 15 | Construction Work in Progress – End of Month Balances, calculation of 13 month average balance |
| 16 | Accumulated Depreciation – End of Month Balances, calculation of 13 month average balance |
| 17 | Contributions in Aid of Construction – End of Month Balances, calculation of 13 month average balance |
| 18 | ADIT – End of Month Balances, calculation of 13 month average balance |
| 19 | Cash Working Capital – Summary of 13 month average balance |
| 20 | ARM Regulatory Asset Balances and Activity by Month |

| REVENUE SCHEDULES | |
|--------------------------|---|
| 21 | Historic Base Period Revenue Components by Rate Schedule & Special Contract |
| 22A | Annual Base Rate Reset Total Revenues by Rate Schedule and Special Contract |
| 22B | Annual Base Rate Reset Revenue Components by Rate Schedule and Special Contract |
| 23 | Annual Base Rate Reset Other Revenues |
| 24 | Summary of Normalized Billing Determinants and Proposed Margin Revenues |
| 25 | Proof of Revenue at Proposed Rates |
| 26 | Revenue Changes by Rate Schedule |
| 27 | Normal Heating Degree Days |
| 28 | Factors for Weather Normalization Adjustment (WNA) |

| O&M EXPENSE SCHEDULES | |
|----------------------------------|--|
| 29 | Customer Accounts & Service Expense, including uncollectible ratio calculation |
| 30 | Employee Salary and Wage Expense |
| 31 | Employee Short Term Compensation Expense |
| 32 | Employee Long Term Compensation Expense |
| 33 | Deferred Environmental Regulatory Amortization and Cost Support |

| | |
|----|--|
| 34 | Deferred Pension Regulatory Amortization and Pension Plan Contribution Support |
| 35 | Return on Service Company (DEBS) Assets |
| 36 | Other Pension Expense |
| 37 | Lobbying Expense, Charitable Contribution, Social Club Membership Adjustment |
| 38 | Promotional and Advertising Expenses, consistent with Commission Rule 1220-04-05-.45 |

| FINANCIAL REPORTS | |
|--------------------------|---|
| 39 | Tennessee Allocated Income Statement, including details of all revenues and expenses for the HomeServe Warranty Program |
| 40A | Total Piedmont Regulatory View Year End Income Statement |
| 40B | Total Piedmont SEC View Year End Income Statement |
| 40C | Parent (Duke Energy Corporation) Year End Income Statement |
| 40D | Service Company (DEBS) Year End Income Statement |
| 40E | Total Piedmont Regulatory View Year End Balance Sheet |
| 40F | Total Piedmont SEC View Year End Balance Sheet |
| 40G | Parent (Duke Energy Corporation) Year End Balance Sheet |
| 40H | Service Company (DEBS) Year End Balance Sheet |
| 41A | Total Piedmont Monthly Trial Balance Regulatory View |
| 41B | Total Piedmont Monthly Trial Balance SEC View |
| 41C | Parent (Duke Energy Corporation) Monthly Trial Balance Regulatory View |
| 41D | Parent (Duke Energy Corporation) Monthly Trial Balance SEC View |
| 41E | Service Company (DEBS) Monthly Trial Balance Regulatory View |
| 41F | Service Company (DEBS) Monthly Trial Balance SEC View |

| OTHER INFORMATIONAL SCHEDULES | |
|--------------------------------------|---|
| 42 | Piedmont Capital Budget for Tennessee operations for year subsequent to HBP |
| 43 | Piedmont Operating Budget for the year subsequent to the HBP |
| 44 | Piedmont Jurisdictional Allocation Factors: Composite Factors |
| 45 | Piedmont Jurisdictional Allocation Factors: Net Plant Factors |
| 46 | Cost Allocation Manual |
| 47 | Corporate Organizational Structure |
| 48 | List of Company Officers |
| 49 | Pension and OPEB actuarial reports |
| 50 | Employee Incentive Compensation Plan documents |
| 51 | Impact of any new accounting pronouncements |
| 52 | Additional workpapers as required, and referenced to applicable ARM Filing Schedule |

| Schedule 52: List of Additional Workpapers | |
|--|--|
| RATE BASE WORKPAPERS | |
| UPIS – Monthly Activity by plant account, to provide support for ARM Schedule 13 and 14 | |
| CWIP – Actual Capital Expenditures by Category and Project Number, to provide support for ARM Schedule 15 | |
| ACC DEPR – Monthly Activity by plant account, to provide support for ARM Schedule 16 | |
| WC – Calculation of 13 month average balance of Working Capital by category, to provide support for ARM Schedule 19 | |
| ARM Reg Asset – Monthly activity, to provide support for ARM Schedule 20 | |
| REVENUE WORKPAPERS | |
| Regression Analysis for the Computation of Base Rate Reset Billing Determinants, to provide support for ARM Schedules 22A, 22B & 28 | |
| Calculation of 30-year Average Heating Degree Days, to provide support for ARM Schedule 27 | |
| Per Books for the 12ME 12/31/20 Revenue Categories, to provide support for ARM Schedule 6A Column A | |
| ADIT Refund Elimination, to provide support for ARM Schedule 6A, Line 7, Column A | |
| O&M EXPENSE WORKPAPERS | |
| Other Purchased Gas Expense Excluding Payroll and Incentive Compensation, to provide support for ARM Schedule 5 Line 1 | |
| Gas Storage Expense Excluding Payroll and Incentive Compensation, to provide support for ARM Schedule 5 Line 2 | |
| Transmission Expense Excluding Payroll and Incentive Compensation, to provide support for ARM Schedule 5 Line 3 | |
| Distribution Expense Excluding Payroll and Incentive Compensation, to provide support for ARM Schedule 5 Line 4 | |
| Sales Expense Excluding Payroll and Incentive Compensation, to provide support for ARM Schedule 5 Line 8 | |
| Other Admin & General Expense, to provide support for ARM Schedule 5 Line 18 | |
| General Ledger transaction level detail for all O&M Charges | |
| General Ledger transaction level detail for all O&M Charges allocated to Tennessee operations from the Service Corporation (DEBS) | |
| Calculation of depreciation expense allocated to Tennessee operations from the Service Corporation (DEBS) pursuant to Section 17.m. of the 2020 Rate Case Settlement | |
| OTHER WORKPAPERS | |
| Calculation of O&M Expense for Lead/Lag to provide support for ARM Schedules 4A and 4B Lines 5 through 19 | |
| Calculation of General Taxes, to provide support for ARM Schedule 7 | |
| Calculation of Composite Excise Tax Rate, to provide support for ARM Schedule 11 Line 6 and 12 | |
| Calculation of Annual EDIT Amortization for Protected PPE, to provide support for ARM Schedule 8 Line 21 | |
| Capital Structure and Cost Rates, to provide support for ARM Schedule 10 | |
| ARM Reconciliation Deferred Account Activity by month, to provide support for ARM Schedule 12 | |

Other Schedules

- 53) Variance Reporting: As part of its Annual ARM filing, Piedmont shall prepare and file with the TPUC, with a copy to the Consumer Advocate, a Variance Report that identifies and explains each and every Piedmont revenue and operating expense

- account and/or subaccount for which the Tennessee amount (including amounts allocated to Tennessee) either exceeds the prior year's amount (based on amounts either as filed by Piedmont in the Annual ARM Filing or as adjusted by the TPUC under Tennessee Code Annotated Section 65-5-103(d)(6)(C) by 5% and \$30,000.
- 54) The monthly balances of short-term debt, long-term debt and equity at December 31st of the month preceding the beginning of the HBP as well as month end balances throughout the HBP.
 - 55) The amount of accrued expenses recorded in the HBP along with a full explanation identifying the nature of each accrual, further identified between direct and allocated charges.
 - 56) If not in the Cost Allocation Manual, the Company shall supply a description of each 'Operating Unit', 'Allocation Pool ID', 'Resource Type ID', 'Source CD JD', and 'Project ID CB' included within its O&M Expense workpaper: General Ledger transaction level detail for all O&M Charges allocated to Tennessee operations from DEBS.
 - 57) A description of each DEBS asset whose allocated costs to Piedmont-Tennessee operations is \$50,000 annually or more.
 - 58) A schedule of the Company's HBP accounting entries made for the 'return to provision' transaction reflecting the impacts of its filed tax return made in the year subsequent to the HBP, along with an explanation of the impact of the transaction on the regulate return in the period the entry is made.
 - 59) The following operating metrics for the HBP:
 - a. Response Time to Emergency Calls
 - b. Age of Natural Gas Leaks
 - c. Number of Natural Gas Leaks by Grade.

V. OTHER

Consumer Advocate Authority to Petition

The Consumer Advocate shall have the right in its sole discretion to file a petition or complaint asking the Commission to terminate or modify any ARM Tariff resulting from Docket No. 21-00135 or any directly or indirectly related docket or to take any other action contemplated by Tennessee Code Annotated Section 65-5-103(d)(6). The Company shall not oppose the Consumer Advocate's petition or complaint filed under this Section on the grounds that such a proceeding is not statutorily authorized or that Consumer Advocate is not authorized to bring such a proceeding; provided, however, that the Company reserves all rights with regard to the merits of any termination or modification or other relief that the Consumer Advocate may request or position that the Consumer Advocate may assert in any such proceeding.