# Electronically Filed in TPUC Docket Room on July 2, 2020 at 12: 54 p.m.



Waller Lansden Dortch & Davis, LLP 511 Union Street, Suite 2700 P.O. Box 198966 Nashville, TN 37219-8966

615.244.6380 main 615.244.6804 fax wallerlaw.com

Paul S. Davidson 615.850.8942 direct paul.davidson@wallerlaw.com

July 2, 2020

### Via Email and U.S. Mail

Executive Director Earl Taylor c/o Ectory Lawless Tennessee Public Utility Commission 502 Deaderick Street, Fourth Floor Nashville, Tennessee 37243

Re: Piedmont Natural Gas Company, Inc. Petition for an Adjustment of Rates, Charges, and Tariffs Applicable to Service in Tennessee; Docket No.: 20-00086

Dear Mr. Taylor:

Enclosed please find for filing the original and four copies of the following documents:

- 1. Petition;
- 2. Direct testimony and exhibits of:
  - a. Sasha Weintraub
  - b. John Sullivan
  - c. Brian Weisker
  - d. Pia Powers
  - e. Kally Couzens
  - f. Quynh Bowman
  - g. Dylan D'Ascendis
  - h. Dane Watson
  - i. Paul Normand (Cash Working Capital)
  - j. Paul Normand (Cost of Service)
- 3. Redline of Revised Tariff included as Exhibit (PKP-2) to the testimony of Pia K. Powers;
- 4. Minimum Filing Guidelines (some of which are being filed under seal); and
- 5. Proposed Procedural Schedule.

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 our office courier.

A courtesy copy of this filing is being provided to the Consumer Advocate and Protection Division of the Office of the Attorney General and Reporter. Please be advised that Piedmont has reached out to the Consumer Advocate's representatives and is working collaboratively with them on a proposed Protective Order for this proceeding which we hope to file with the Commission shortly.

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

Very truly yours,

Paul S. Davidson

PSD:cdg Enclosures

cc:

David Foster

Michelle Mairs

Vance Broemel

Daniel Whitaker

Bruce Barkley

Pia Powers

James Jeffries

Melinda McGrath

# Tennessee Public Utility Commission Docket No. 20- 00086

**Direct Testimony and Exhibits** 

Of

Paul M. Normand
Embedded Cost of Service
Rate Design Recommendations

On Behalf of Piedmont Natural Gas Company, Inc.



MANAGEMENT APPLICATIONS CONSULTING, INC. 1103 Rocky Drive, Suite 201 Reading, PA 19609-1157

> (610) 670-9199 fax (610) 670-9190 www.manapp.com

# DIRECT TESTIMONY OF PAUL M. NORMAND ON BEHALF OF PIEDMONT NATURAL GAS COMPANY, INC.

# **TABLE OF CONTENTS**

| INTRODUCTION                                 | 4        |
|--|----------|
| SCOPE OF TESTIMONY                           | 4        |
| EMBEDDED COST OF SERVICE STUDY               | <i>6</i> |
| Embedded Cost of Service Study               | 6        |
| Description of Cost of Service Model         |          |
| Cost of Service Model Allocation Methodology |          |
| Rate Base Allocation                         | 10       |
| Minimum-Size System Cost Analysis            |          |
| Operating Revenues                           | 14       |
| Operating Expense Allocation                 | 15       |
| Cost of Service Study Results                |          |
| RATE DESIGN                                  |          |



# DIRECT TESTIMONY OF PAUL M. NORMAND ON BEHALF OF PIEDMONT NATURAL GAS COMPANY, INC.

# **LIST OF EXHIBITS**

| Exhibit I | <u>Description</u>   |
|-----------|--|
| PMN-1-COS | Qualifications of Paul M. Normand  |
| PMN-2-COS | Company Accounting Cost of Service Summary Results   |
| PMN-3-COS | Summary Revenue Requirements at Existing and Proposed Equalized Rate of Return   |
| PMN-4-COS | Rate Design  |
| PMN-5-COS | Class Embedded Cost of Service Detailed Results<br>Based on 12 Months Ending 12/31/2021  |
| PMN-6-COS | Class Embedded Cost of Service – Unbundled Summary of Results Based on Attrition Period 12 Months Ended 12/31/2021 – Existing Rate of Return – Proposed Rate of Return |
| PMN-7-COS | Minimum-Size System Analysis   |
| PMN-8-COS | Description of Allocation Factors  |
| PMN-9-COS | Cost of Service Workpapers   |



# **INTRODUCTION**

1

| 2  | Q. | Please state your name, address and position.                                   |
|----|----|---|
| 3  | A. | My name is Paul M. Normand. I am a management consultant and president with the |
| 4  |    | firm of Management Applications Consulting, Inc., 1103 Rocky Drive, Suite 201,  |
| 5  |    | Reading, PA 19609.  |
| 6  |    |   |
| 7  | Q. | Please state your qualifications.   |
| 8  | A. | My qualifications are shown on Exhibit PMN-1-COS.                               |
| 9  |    |   |
| 10 | Q. | ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS PROCEEDING?                          |

11 I have been retained by and am testifying on behalf of Piedmont Natural Gas Company, A. 12 Inc. for its natural gas operations in Tennessee ("Piedmont", "PNG" or "the Company").

# **SCOPE OF TESTIMONY**

#### 15 What is the purpose of your testimony? Q.

16 A. The purpose of my testimony is to present and sponsor the class accounting cost of 17 service study. I also developed the target class revenues and designed the proposed base 18 rates to achieve these class revenues. The specific cost areas are presented in Exhibits 19 PMN-2-COS through PMN-9-COS, prepared under my supervision and direction. 20 Exhibit PMN-8-COS provides a description of the allocation factors used in the cost 21 study results presented on Exhibits PMN-2-COS and PMN-3-COS. Lastly, I prepared a 22 separate analysis of fixed pipeline demand cost allocations and present my recommended 23 class allocation of those costs as associated proposed rates.



24

13

14

# Q. Please outline the organization of your testimony and exhibits.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

Α. Exhibit PMN-2-COS contains the class accounting cost of service study summary results at the actual return using the Attrition Period ending December 31, 2021. Exhibit PMN-3-COS contains the class accounting cost of service study summary revenue requirements at existing and proposed equalized class rate of return. Exhibit PMN-3-COS also contains the rate of return results using the proposed rate design class revenues for comparison purposes. Exhibit PMN-4-COS presents the development of class base revenue targets and the rate design calculations for the proposed rates and associated revenue targets. Exhibit PMN-5-COS presents the complete detailed output of the Attrition Period class accounting cost of service study as summarized in Exhibit PMN-2-COS showing all plant accounts and expenses along with their individual allocations to classes. Exhibit PMN-6-COS presents the Summary Unbundled Costs results of Exhibit PMN-3-COS by major cost categories in the study based on the adjusted Attrition Period ending December 31, 2021. This exhibit also presents the detailed cost component that identifies the fixed demand and customer costs for each customer class at both existing (pages 1 and 2) and a uniform claimed rate of return (pages 3 and 4). Exhibit PMN-7-COS develops the Minimum-Size System analysis for the Company's distribution mains which was utilized in Exhibit PMN-5-COS. Exhibit PMN-8-COS provides a description of the allocation factors used in the accounting cost of service study (Exhibit PMN-5-COS). Exhibit PMN-9-COS provides the detailed support for the allocation factors used in the cost of service study and the detailed support for the recommended fixed pipeline demand cost allocations.



### EMBEDDED COST OF SERVICE STUDY

# **Embedded Cost of Service Study**

| Q. Would you briefly define an Embedded Cost of Service Stud | Ο. | Would you | briefly define an | n Embedded | Cost of Se | rvice Stud | lv? |
|--|----|-----------|-------------------|------------|------------|------------|-----|
|--|----|-----------|-------------------|------------|------------|------------|-----|

A. An embedded cost of service study is performed to help ensure that costs are allocated among customer classes based on how those customers cause costs to be incurred. Since these costs are allocated, an Embedded Cost of Service Study is also referred to as an Allocated Cost of Service Study. The cost to serve the customers of any utility company consists generally of operating expenses and return. For a historical test period, these costs are on record and the overall cost to serve the collective customers of the utility may be readily established. On the other hand, the unique cost to serve customers of the various service classifications is much less apparent. Costs can vary significantly between customer classes depending upon the nature of their demands upon the system and the facilities required to serve them. The purpose of an allocated cost of service study is to assign or allocate each relevant component of cost on an appropriate basis in order to determine the proper cost to serve each customer class. The result is a cost matrix displaying for each cost category the detailed costs of serving each customer class in this study.

# Q. Please describe the procedure that you used in preparing your Embedded Cost of Service Study?

A. Through the application of a computerized cost model developed by Management

Applications Consulting specifically for Piedmont operations, it was possible to treat
each element of Rate Base, Revenue and Operating Expense in detail and to assign or



allocate each item to the various customer classes. The complete detailed process is reflected in Exhibit PMN-5-COS and reflects PNG's cost to serve for the Attrition Period ending December 31, 2021. The specific Attrition Period expense and rate base adjustments are presented and discussed in the Company's testimony and exhibits of Witness Quynh Bowman, while the specific Attrition Period revenue adjustments are presented and discussed in the Company's testimony and exhibits of Witness Kally Couzens.

A.

# Q. Please summarize your cost of service study.

Exhibit PMN-2-COS shows the complete summary details of the cost of service study by customer class of service for the development of Rate Base, O&M Expenses, Taxes, Return and Rate of Return. Exhibit PMN-3-COS shows a summary detail class cost of service study where the existing, uniform and targeted revenue requirements from each class are included in the calculations to generate existing and uniform class rates of return equal to the overall 7.10% targeted rate of return identified by the Company for its cost of service. A separate Proposed Revenues section was included to present the class revenue requirements with the Company's proposed revenue class revenues from Exhibit PMN-4-COS. A second analysis, Exhibit PMN-6-COS, summarizes the costs to serve each major cost category component at present rates and at an equalized class rate of return target for each class of service to assist in the rate design process. The calculated monthly customer charge for each class of service is shown on line 40 for both the existing (pages 1 and 2) and uniform rate of return (pages 3 and 4).



### **Description of Cost of Service Model**

## Q. How does the computerized cost model operate?

3 A. The cost model is essentially a cost matrix. The vertical dimension of the study consists 4 of the costs to serve as provided by the Company. The development of the cost of 5 service study begins with rate base and continues with revenues, operating expenses, 6 taxes, and the computation of a labor allocator. The cost model includes three additional pieces, a summary of costs to serve, a list of the allocation factors employed in the study 7 8 and a revenue requirements section. The horizontal portion consists of the assignment of 9 all costs to each of the Company's customer classes. 10 Each page, starting with page 1 has an important column immediately preceding the 11 numerical data marked "ALLOC", an abbreviation for ALLOCATOR. The ALLOC 12 column contains an acronym to indicate the allocation factor used to allocate the costs 13 shown in the Total Company Column to each customer class. A tabulation of these 14 allocators in absolute form, typically total dollars or volumes, and as a percent of total, 15 has been provided at the end of the study beginning on page 31 in Exhibit PMN-5-COS. 16 Using these allocation factors, costs shown in the Total Company column that were not 17 directly assigned were allocated to each customer class. The cost of service information 18 provided in the "Total" vertical column is based on the testimony and exhibits for the test 19 year provided by the Company.

20

21

22

23

1

2

# Q. What customer classes did you recognize in your Cost of Service Study?

A. The cost of service study recognized and allocated the Company's cost to all firm sales and transportation customer tariff classes as follows:



| Rate               | Cost of      |   |
|--------------------|--------------|---|
| <b>Designation</b> | Service Page | <u>Description</u>                                    |
|                    |              |   |
| 301                | 1            | Residential Service                                   |
| 302                | 1            | Small General Service                                 |
| 352                | 1            | Medium General Service                                |
| 303                | 1            | Firm Large General Sales Service                      |
| 304 and 314        | 1            | Interruptible Large General Service (Combined Sales & |
|                    |              | Transportation Summary)                               |
| 313                | 1            | Firm Large General Transportation Service             |
| 310                | 1            | Resale Service  |
| 304                | 2            | Interruptible Large General Sales Service             |
| 314                | 2            | Interruptible Large General Transportation Service    |
|                    |              |   |

### **Cost of Service Model Allocation Methodology**

# 2 Q. Would you please tell us how you chose allocation factors for your cost study?

A. In the cost allocation process, I attempted to determine the intended use of specific plant investments and then examined the specific use of these assets in the test year. As part of the cost of service process, I then separately developed the required external allocators or selected internal allocators to assign the various costs appropriately to each customer class. A complete and detailed list of each allocation factor has been provided in Exhibit PMN-5-COS, pages 31 through 56. Pages 31 through 42 present the total actual Company values while the remaining pages 43 through 56 reformat and unitize these same values with each factor totaling to unity or one. The detailed development and support of these allocators has been provided in the workpapers (Exhibit PMN-9-COS).

# 13 Q. How are gas supply costs assigned to customer classes?

A. Piedmont utilizes a diversified mix of supply sources in order to serve its customers. The gas supply revenues and offsetting gas costs were provided by the Company for each



1 customer class, and those amounts are reflected in the cost of service studies (Exhibit 2 PMN-5-COS, pages 9 and 10). 3 4 **Rate Base Allocation** 5 0. Please describe the allocation of rate base to customer classes. 6 A. Rate base allocation is shown on pages 3 through 8 of Exhibit PMN-5-COS. Local 7 Storage plant costs were allocated only to sales customer classes using a Remaining 8 Design Day Sales allocator. 9 10 Transmission plant reflects investments in larger high-pressure facilities to deliver gas to 11 the Company's key distribution service areas from its pipeline suppliers. Distribution 12 plant represents investment in facilities to deliver gas to the customer meter from 13 Transmission Plant.\ 14 15 Transmission Plant and demand-related Distribution Plant were then allocated to 16 customer classes using the Design Day factors shown on pages 31 and 32 of each Exhibit 17 PMN-5-COS. The Design Day allocator was developed by customer class using 18 Company data and is shown in detail in the workpapers (Exhibit PMN-9-COS). 19 Q. Please describe the allocation of Distribution Mains Acct 376 to customer classes. 20 A. The Distribution Mains account has been classified as demand (37.69%) and customer 21 (62.31%) related based on the results of the minimum-size study described below with 22 the details provided in Exhibit PMN-7-COS. The Distribution Mains account was 23 separated into two cost categories: 2-inch and below and above 2 inches. The 2-inch and below account for 62.31% of Distribution Mains are classified as customer related. 24



Since most large customers are not served by a 2-inch or smaller sized pipe, this customer related portion, 62.31%, is allocated to the Residential and Small Commercial rate classes based on their respective customer counts. The remaining customer related portion of mains greater than 2 inches, 18.25% (37.69\*48.42), is allocated to all customers on an adjusted customer allocation factor for small users. The demand portion of mains greater than 2 inches, 19.44% (37.69\*51.58) is allocated to all customer classes based on their respective class design day demands (reference Exhibit PMN-9-COS for development).

The adjusted customer allocation factor approach for small users is to fully recognize that all mains greater than 2 inches results from the aggregation of loads from smaller mains and this results in the need for larger diameter mains. As a result, large diameter mains are primarily a direct function of load and not customers. In order to achieve a more equitable allocation of these costs, a use per customer for the large customers is derived. This use per customer is then used to divide the consumption of each customer class that was assigned costs for 2-inch and below (Residential and Small General) to derive an equivalent customer count for each of these classes for the larger diameter mains. The classes other than those assigned cost for 2-inch and below will use their respective customer count for the development of the mains above 2 inches customer allocation factor. See Exhibit PMN-7-COS and Exhibit PMN-9-COS for the development of this allocation factor.



### **Minimum-Size System Cost Analysis**

1

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

- 2 Q. Have you included the use of a minimum-size system approach in identifying
- 3 customer-related costs for the Company's distribution plant mains investments?
- 4 A. Yes, I have prepared an analysis of the Company's Mains, Account 376 with respect to
- 5 the minimum-size system approach. Exhibit PMN-7-COS consists of nine pages of
- 6 historical analysis of this account with respect to installed footage per pipe size along
- 7 with dollar estimates of cost by pipe size.

9 Q. Could you briefly discuss your Exhibit PMN-7-COS results?

A. Yes. Exhibit PMN-7-COS consists of nine pages with the summary results shown in page 8, Section A, for each size page installed and their installed costs per foot. Since most large customers are not served by a 2-inch or below size pipe, we segregated the population results as 2-inch and below and greater than 2 inches. This separation shows that for 2-inch and below, footage is 11,503,058 or 62.31% of the total installed pipe footage (Exhibit PMN-7-COS, page 8, Section A, lines 19-22). Noted in Section A are the results of the minimum-size system study with the use of the 2-inch and below pipe as 100% customer related which represents the minimum size main being installed. The remaining pipe sizes representing the larger trunkline pipe network aggregating smaller pipe sizes and larger loads are shown in Section A, line 15, which represent \$167,460,160 out of a total of \$383,499,975 of total current cost estimate of all pipe sizes (column (d)). Using the total \$167,460,160 total current costs for the greater than 2-inch pipe costs, we priced out all these larger sizes at the 2-inch minimum size costs of \$16.09 per foot (column (c)) to derive the customer-related portion only (column (f)) which



1 resulted in \$81,086,260 as customer related, or 48.42% of the total of \$167,460,160, for 2 the greater than 2-inch pipe installed. 3 4 Section B of page 8 presents the average costs per foot over the four years (2016-2019) 5 from the Company's available information with the results in column (f) being used in 6 Section A final results as column (c) for the derivation of the minimum-size system 7 results. These costs are based on the information developed in Sections C and D, below. 8 Page 9, Section C, identifies the booked costs per year by pipe sizes which are then 9 adjusted to current cost \$ (2019) using the GDP-IPO inflator in Section D. Section E 10 simply identifies the installed footage by pipe size for the four historical years which are 11 consistent with the costs developed in Sections C and D. The results in Section A are 12 then used to derive the unit costs per foot and size as shown in Section B of page 8. 13 O. What are the other customer-related allocation factors included in your cost of service study? 14 15 A. Customer-related plant items were allocated using various CUST-prefixed allocators for 16 services, meters, and other such customer-related items. A complete list of these factors 17 has been provided on pages 43 and 44 of the cost of service study, Exhibit PMN-5-COS. 18 19 How was general plant allocated on page 3 of Exhibit PMN-5-COS? Q. 20 General plant was allocated on an internally generated labor allocation factor (LABOR) A. 21 based on labor expensed and capitalized in the test period. Each Operations and 22 Maintenance account was examined to determine the labor portion of expense included. 23 The labor portions of these costs were allocated separately in the same manner as the



1 total Operations and Maintenance accounts were allocated. The development of this 2 allocator is shown on Exhibit PMN-5-COS, pages 25 through 30. 3 4 O. How was each account of depreciation reserves assigned? 5 A. The Plant Depreciation Reserves by function and the distribution account detail were 6 obtained from the Company's records and allocated to customer classes based on the 7 allocation of the corresponding plant account. 8 0. How was Construction Work in Progress assigned? 9 A. The Construction Work in Progress by function were obtained from the Company's 10 records and allocated to customer classes based on the allocation of the corresponding 11 plant account. 12 What other elements of rate base were included in your study? Q. 13 A. Each adjustment to rate base has been detailed on Exhibit PMN-5-COS, pages 7 to 8. 14 Additions to net plant included allowance for working capital. The deductions from net 15 plant include unamortized investment tax credits and accumulated deferred income taxes. 16 Each adjustment to rate base was allocated on the most appropriate allocation factor. For 17 example, allowance for working capital items materials and supplies, deferred debits, and cash working funds were allocated on PLANT and pensions and OPEB and accrued 18 19 vacation were allocated on LABOR. 20 21 **Operating Revenues** 22 Q. How were operating revenues assigned? 23 Operating revenues (Exhibit PMN-5-COS, pages 9 and 11) are based on the Company's A. 24 books and records by customer class allocated on the most appropriate allocation factor.



| 1  | Q.          | How did you consider the Company's Unprotected Excess ADIT Refund, Minimum                |
|----|-------------|---|
| 2  |             | Margin Agreement revenues, and Special Contract revenues in your cost of service          |
| 3  |             | study?  |
| 4  | A.          | The cost of service study (Exhibit PMN-5-COS, pages 9 and 10) directly assigned the       |
| 5  |             | Unprotected Excess ADIT Refund and the Minimum Margin Agreement revenues to               |
| 6  |             | their respective classes. The Special Contract revenues were allocated on PLANT.          |
| 7  | <u>Oper</u> | rating Expense Allocation   |
| 8  | Q.          | How were operating expenses allocated?  |
| 9  | A.          | The allocation of O&M expenses follows the method by which these expenses were            |
| 10 |             | incurred. Therefore, the plant-related O&M expenses are allocated using the same          |
| 11 |             | allocators used for their associated plant investment. The only exception is with respect |
| 12 |             | to Mains plant accounts where the associated O&M expenses were allocated to               |
| 13 |             | interruptible customers based on their respective average demand along with the plant     |
| 14 |             | allocation factor.  |
| 15 | Q.          | How were the gas costs assigned?  |
| 16 | A.          | Gas costs were assigned to each customer class by the Company based on the costs          |
| 17 |             | recorded on the books. These costs were matched to and equal the associated gas           |
| 18 |             | revenues in this study as presented on Exhibit PMN-5-COS, page 9 (line 5) and page 11     |
| 19 |             | (line 3).   |
| 20 |             |   |
| 21 | Q.          | How were the remaining Operation and Maintenance Expenses allocated?                      |
| 22 | A.          | Distribution O&M expenses follow the allocation of distribution plant except for the      |
| 23 |             | Operations and Maintenance expenses for Mains which were also allocated to                |
| 24 |             | Interruptible customers based on their average demand as part of the final allocation     |



factor. Customer Accounts, Sales Expenses, and Administrative and General Expenses were allocated using a variety of methods based on direct assignments, revenues, plant, and labor costs. Whenever possible, specific information detailing class cost responsibilities or weightings was utilized in order to develop the most accurate cost study possible. Customer Service and Sales Expenses used a composite allocation factor that was weighted 50% on customers and 50% on sales. A&G expenses were primarily allocated on the **LABOR** allocator. The remaining A&G expenses were allocated on claimed revenue, **PLANT** and General plant in service. What are the remaining operating expenses? Q. A. The remaining operating expenses consist of depreciation expenses, taxes other than income taxes, investment tax credit adjustments, state income taxes and a detailed federal income tax calculation. 0. How were these operating expenses allocated? Depreciation expenses were allocated on the basis of plant in service. Taxes Other Than A. Income Taxes were allocated using the **PLANT** and **LABOR** allocation factors; property, franchise, and other taxes were allocated on PLANT and payroll taxes was allocated on LABOR. The investment tax credit adjustment was allocated on PLANT. Federal income taxes and state taxes were computed for each customer class based on the allocated expenses previously discussed. Q. Are there any other expenses that you analyzed for this study?

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23



1 A. The only remaining area is with respect to gas costs which are not a part of the base 2 revenue requirement but are shown in the cost study as an equal offset on pages 5 and 6 3 of Exhibit PMN-5-COS. However, the allocation of the associated fixed demand costs 4 for pipeline required a separate analysis of these costs which I prepared using a 5 Proportional Responsibility method. I included a complete discussion of this approach 6 along with the results in the workpapers (Exhibit PMN-9-COS). 7 8 0. Please describe briefly the Proportional Responsibility method. 9 A. The PR method uses monthly normalized system throughput whereby the calculation 10 recognizes the monthly sendout levels for the test year and calculates a weighting for 11 each month. The resulting monthly ratios are then allocated to each customer class use 12 for that month and then summed to arrive at a final composite allocation by class for the 13 test year. A more complete discussion of our calculations is provided in the accounting 14 cost study workpapers (Exhibit PMN-9-COS). 15 16 Q. Have you calculated the Proportional Responsibility factors for each customer class 17 included in this filing? 18 Yes. The monthly proportional responsibility results by customer class are presented in A. 19 Exhibit PMN-9-COS, Section 12, Pipeline Demand Cost Allocation. 20 21 **Cost of Service Study Results** 22 Q. Please summarize the results of your cost study at present rates?



that the rates presently in effect generate somewhat different rates of return for each

The results of my Attrition Period ending December 31, 2021 cost of service study show

23

24

A.

- 1 customer class. Exhibits PMN-2-COS, PMN-3-COS, and PMN-6-COS all show that the
- 2 Company's current rates produce large inequities between the customer classes as
- 3 summarized in the following table:

# Cost of Service Results – Actual Rate of Return ("ROR")

|  | Exhibit PMN-5-COS |           |  |
|--|-------------------|-----------|--|
|  | <u>ROR (%)</u>    | ROR Index |  |
| Total Company                                | 4.67              | 1.000     |  |
| Residential Service (RS 301)                 | 2.56              | 0.549     |  |
| Small General Service (RS 302)               | 9.47              | 2.030     |  |
| Medium General Service (RS 352)              | 5.78              | 1.239     |  |
| Large General Sales Service (RS 303)         | 7.76              | 1.664     |  |
| Interruptible Service (RS 304 & 314)         | 36.63             | 7.847     |  |
| Interruptible Sales Service (RS 304)         | 22.63             | 4.849     |  |
| Firm Transportation Service (RS 313)         | 13.37             | 2.865     |  |
| Interruptible Transportation Service (RS314) | 36.82             | 7.889     |  |
| Resale Service (RS 310)                      | 4.96              | 1.051     |  |

45

6

7

The customer class ROR inequities shown are primarily related to very large Residential Service revenue deficiencies with the resulting revenue subsidies being provided by all remaining classes.

8

9

### RATE DESIGN

- 10 Q. How did you approach the task of rate design in this case?
- 11 A. The cost of service summary results presented in Exhibits PMN-2-COS and PMN-3-COS

  12 for PNG Attrition Period ending December 31, 2021 provided the basis or starting point

  13 for all of the proposed rate designs presented on Exhibits PMN-4-COS.

14

15

Q. Was there a logical progression in your efforts to perform the rate design?



| 1  | A. | My rate design efforts were performed in three discrete steps. First, I determined the     |  |  |  |  |  |  |  |
|----|----|--|--|--|--|--|--|--|--|
| 2  |    | total costs incurred to serve each customer class using the Attrition Period, Exhibit PMN- |  |  |  |  |  |  |  |
| 3  |    | 3-COS. Next, I examined the accounting cost of service study at the Company's uniform      |  |  |  |  |  |  |  |
| 4  |    | ROR (equalized annual increase) and compared these results to the revenues currently       |  |  |  |  |  |  |  |
| 5  |    | produced by each customer class on Exhibit PMN-3-COS. Finally, I performed the             |  |  |  |  |  |  |  |
| 6  |    | proposed class revenue targets and rate designs utilizing these results and adjusted       |  |  |  |  |  |  |  |
| 7  |    | present rate charges to all rates. The development of the individual class proposed        |  |  |  |  |  |  |  |
| 8  |    | revenue targets are detailed on Exhibit PMN-4-COS, pages 1 and 2.                          |  |  |  |  |  |  |  |
| 9  |    |  |  |  |  |  |  |  |  |
| 10 | Q. | Could you briefly list the factors that you considered in arriving at your proposed        |  |  |  |  |  |  |  |
| 11 |    | rate designs?  |  |  |  |  |  |  |  |
| 12 | Α. | The proposed rate year rate design and class revenue targets considered several very       |  |  |  |  |  |  |  |
| 13 |    | important factors which I will list in the order that they were considered in my decision  |  |  |  |  |  |  |  |
| 14 |    | process:   |  |  |  |  |  |  |  |
| 15 |    | 1. Existing Rate Structure   |  |  |  |  |  |  |  |
| 16 |    | 2. Present Rate of Returns and Index of Returns (Exhibits PMN-2-COS and PMN-3-             |  |  |  |  |  |  |  |
| 17 |    | COS)   |  |  |  |  |  |  |  |
| 18 |    | 3. Cost of Service at a Uniform Target Rate of Return (Exhibit PMN-3-COS)                  |  |  |  |  |  |  |  |
| 19 |    | 4. Use of unbundled costs results presented in Exhibit PMN-6-COS                           |  |  |  |  |  |  |  |
| 20 |    | 5. Initial Target Class Revenue Increases developed on Exhibit PMN-4-COS                   |  |  |  |  |  |  |  |
| 21 |    | Rate Design calculations using a defined class customer charge                             |  |  |  |  |  |  |  |
| 22 |    |  |  |  |  |  |  |  |  |
| 23 | Q. | Have you prepared an unbundling cost study for PNG?  |  |  |  |  |  |  |  |



A. Yes, I have. Exhibit PMN-6-COS provides for the detailed results by major cost categories that are presented in my testimony. The most important aspect of these unbundled results is with respect to the customer-related costs presented on Exhibit PMN-6-COS, pages 3 and 4, at a uniform ROR level for each customer class. These results indicate the proper level of customer-related costs which should be recovered on a monthly basis which I used as a guide in establishing the proposed rate designs presented in Exhibit PMN-4-COS, pages 3 through 5. While it is important to recognize that the delivery-only costs' revenue requirements are essentially fixed and invariant to throughput, the overall goal representing customer impacts prevents establishing the total delivery class revenue requirement as a monthly fixed cost for each customer and requires a continued dependence on volumetric charges for recovery of these fixed costs.

A.

# Q. How did you establish the target revenue class revenue presented on Exhibit PMN-4-COS, page 2?

Page 1 of this Exhibit shows the detailed revenue components at present rates. Page 2 shows the class revenue increase from Exhibit PMN-3-COS, line 16. Recognizing that the major concern is the revenue deficiency exhibited by the Residential class of \$39,089,354, the required increase will be somewhat prohibitive while all remaining classes would exhibit a revenue decrease. Such charges are not practical and would have a major impact to all customers. In the normal approach to rate design, I employ a more reasoned approach which moderates the increase towards a more balanced cost of service allocation.

Q. How did you moderate the class revenue targets proposed?



I first recognized that the Company's overall increase was \$29,919,121 or 19.91% above present rates excluding gas costs and the excess ADIT refund. While this is a significant increase, the necessity to increase a severely deficient class (Residential) must be considered if class subsidies are to ever be reduced. To this end, I capped any increase to 120% of the overall system increase or 23.9% (19.9% \* 1.20). While this only partially recognizes a cost recovery level, it provides for the reduction of existing subsidies which are shown to be considerable from all the other classes. As a result, the proposed class base revenue increases are detailed on Exhibit PMN-4-COS, page 2, column (R), where only the Residential class required a capped revenue increase limitation. More importantly, column (S) presents the overall increases with gas costs except for Transportation Service classes. After reviewing the cost study results of Exhibit PMN-3-COS, I then set both Medium General Service and Resale Service at the overall average increase of 19.9%.

A.

The remaining classes represent Small General Service, Large General Service, and both Interruptible Service classes. The General Service class blocks were maintained and increased the same percentage to achieve the overall target revenue level increase. Similarly, both Interruptible Service rates maintained the same blocks but combined their revenue targets to achieve the revenue requirement levels by adjusting the block pricing. While these rates represent a lower increase than the Company's overall 19.9% increase, they reflect the fact that the present revenue levels are already materially inflated from subsidies to the Residential customer class.





# Q. Mr. Normand, having established class revenue targets, how did you develop yourproposed rate design?

Here, I initially attempt to recover these fixed costs by establishing a goal or target of recovering 50% of these costs in the monthly charge. This approach reduces any cross

The next step in the rate design process is to establish the proposed customer charge.

subsidies and recognizes that the majority of costs for the Company's delivery system are

fixed in nature.

3

6

7

8

9

10

11

12

13

14

15

16

A.

A.

To this end, the following table presents the existing customer charges, the costs at a uniform rate of return level, and the final proposed monthly customer charge:

# **Customer Pricing**

| <b>Existing</b> | Cost of Service   | Proposed   |
|-----------------|---|--|
| 17.45           | 37.32   | 17.45  |
| 13.45           |   | 13.45  |
| 44.00           | 63.29   | 44.00  |
| 225.00          | 714.92  | 300.00   |
| 800.00          | 814.20  | 800.00   |
| 800.00          | 825.60  | 800.00   |
| 0.00            | 842.81  | 0.00   |
|                 |   |  |
| 800.00          | 836.55  | 800.00   |
| 800.00          | 2,480.38  | 800.00   |
|                 | 17.45<br>13.45<br>44.00<br>225.00<br>800.00<br>800.00<br>0.00 | 17.45 37.32<br>13.45<br>44.00 63.29<br>225.00 714.92<br>800.00 814.20<br>800.00 825.60<br>0.00 842.81<br>800.00 836.55 |

# Q. Why did you propose no increase to the existing approved customer charges?

With the exception of the Medium General Service, the existing approved rates are close to my 50% recovery target or greater. Here, I noted that the costs far exceed the existing level of \$225, and I proposed an increase to \$300 which is still a reasonable step in recognizing these fixed costs recovery but far short of my goal of targeting a 50% recovery level. This increase is somewhat minimized by recognizing that these are large



| 1  |    | customers using an average of 39,851 therms versus the Small General Service having an    |
|----|----|---|
| 2  |    | average use of 3,410 therms.  |
| 3  |    |   |
| 4  | Q. | Once you established your proposed customer charge, how did you then determine            |
| 5  |    | your proposed volumetric pricing level?   |
| 6  | A. | Having initially established the class revenue targets, I subtracted the proposed class   |
| 7  |    | customer charges and applicable demand charges to obtain a residual revenue               |
| 8  |    | requirement which I recovered from increasing proportionately the existing approved       |
| 9  |    | block charges. As a result, the block pricing levels will differ between firm and         |
| 10 |    | interruptible rates due to the target revenue levels.                                     |
| 11 |    |   |
| 12 | Q. | How do the class revenue targets achieved from your proposed rate design compare          |
| 13 |    | to using your cost study model?   |
| 14 | A. | The results are presented on Exhibit PMN-3-COS where lines 1 through 9 show the           |
| 15 |    | existing rates and revenue levels with the class rate of return on line 5. Doing the same |
| 16 |    | comparison for the proposed revenue levels (lines 22 through 34), lines 33 and 34 show    |
| 17 |    | the rate of return and the associated index of return for each class. The major           |
| 18 |    | improvement is with respect to Residential and the individual relative rate of return     |
| 19 |    | showing an improvement for all classes as a result (lines 6 and 34).                      |
| 20 | Q. | Does this conclude your testimony?  |
| 21 | A. | Yes, it does.   |
| 22 |    |   |
| 23 |    |   |



# **Exhibit PMN-1-COS**

| 1  | Q. | Mr. Normand, what is your present position?   |
|----|----|---|
| 2  | A. | I am a principal in the consulting firm of Management Applications Consulting, Inc.       |
| 3  |    | (MAC). This Company provides consulting services to the utility industry in such fields   |
| 4  |    | as loss studies, econometric studies, cost analyses, rate design, expert testimony, and   |
| 5  |    | regulatory assistance. The Company is located in Reading, Pennsylvania.                   |
| 6  | Q. | What is your educational background?  |
| 7  | A. | I graduated from Northeastern University in 1975, with a Bachelor of Science Degree and   |
| 8  |    | a Master of Science Degree in Electrical Engineering-Power System Analysis. I have        |
| 9  |    | attended various conferences and meetings concerning engineering and cost analysis.       |
| 10 | Q. | What is your professional background?   |
| 11 | A. | I was employed by the Massachusetts Electric Company in the Distribution Engineering      |
| 12 |    | Department while attending Northeastern University. My principal areas of assignment      |
| 13 |    | included new service, voltage conversions, and system planning. Upon graduation from      |
| 14 |    | Northeastern University, I joined Westinghouse Electric Corporation Nuclear Division in   |
| 15 |    | Pittsburgh, Pennsylvania. In that position, I assisted in the procurement and economic    |
| 16 |    | analysis of electrical/electronic control equipment for the nuclear reactor system.       |
| 17 |    | In 1976, I joined Gilbert Associates as an Engineer providing consulting services in the  |
| 18 |    | rate and regulatory area to utility companies. I was promoted to Senior Engineer in 1977, |
| 19 |    | Manager of the Austin office 1980, and Director of Rate Regulatory Service in 1981.       |
| 20 |    | In June, 1983, I left Gilbert to form a separate consulting firm and I am now a           |
| 21 |    | principal and President of Management Applications Consulting, Inc. My principal areas    |
| 22 |    | of concentration have been in loss studies, economic analyses, and pricing.               |
| 23 | Q. | Have you testified in support of any cost studies that you participated in or             |
| 24 |    | performed?  |

1 A. Yes, I have testified about such studies before the following regulatory agencies: the 2 Maine Public Utility Commission, the Public Utility Commission of Texas, Illinois 3 Commerce Commission, New Hampshire Public Utilities Commission, New Jersey 4 Board of Public Utilities, New York Public Service Commission, Pennsylvania Public 5 Utility Commission, the Massachusetts Department of Public Utilities, the Kentucky 6 Public Service Commission, the Arkansas Public Service Commission, the Public Service 7 Commission of Louisiana, the Public Utilities Commission of Ohio, the Public Service 8 Commission of Missouri, the Delaware Public Service Commission, the Maryland Public 9 Service Commission, the Indiana Utility Regulatory Commission, the North Carolina 10 Utilities Commission and the Federal Energy Regulatory Commission. 11 Q. Could you please briefly discuss your technical experience? 12 A. I have performed numerous accounting and marginal cost of service studies, time 13 differentiated bundled and fully unbundled cost studies for both electric and gas utilities 14 since 1980. I have also used such studies in the design and presentation of detailed rate 15 proposals before regulatory agencies. 16 My additional experience has been in the area of unaccounted for loss evaluations for 17 electric and gas utilities for over thirty years. These studies include a detailed review of 18 each system and the calculation of appropriate recovery factors.

# **Exhibit PMN-2-COS**

### PIEDMONT NATURAL GAS COMPANY, INC. GAS COST OF SERVICE STUDY - TENNESSEE 12 MONTHS ENDED DECEMBER 31, 2021

| Rate Base - 13-mth average attrition period ended 1 |   | 12/31/2021<br>ALLOC | TOTAL<br>COMPANY | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium General<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 |
|---|---|---------------------|------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|--|---------------------------------|
|   |   |                     | (1)-1            | (2)                                | (3)                                  | (4)                                   | (5)                                  | (6)   | (7)                                      | (8)                             |
|   | SUMMARY OF RESULTS                          |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 1   | DEVELOPMENT OF RATE BASE                    |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 2   | Gas Plant in Service                        | PAGE 2              | 1,545,454,176    | 1,131,777,084                      | 258,158,874                          | 96,221,741                            | 18,012,531                           | 12,707,318                                  | 28,319,222                               | 257,407                         |
| 3   | Plus: CWIP                                  | PAGE 2              | 42,271,971       | 30,569,595                         | 7,311,819                            | 2,628,325                             | 520,792                              | 365,265                                     | 868,985                                  | 7,192                           |
| 4   | Less: Depreciation and Amortization Reserve | PAGE 3              | 506,047,002      | 397,287,303                        | 76,491,111                           | 20,315,297                            | 3,334,115                            | 3,505,339                                   | 5,051,500                                | 62,338                          |
| 5   | Less: Contributions In Aid of Construction  | PAGE 3              | 5,828,754        | 4,968,430                          | 795,392                              | 45,158                                | 4,898                                | 6,622                                       | 8,179                                    | 75                              |
| 6   | NET GAS PLANT IN SERVICE                    | PAGE 3              | 1,075,850,391    | 760,090,945                        | 188,184,190                          | 78,489,611                            | 15,194,310                           | 9,560,621                                   | 24,128,528                               | 202,186                         |
| 7   |   |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 8   |   | D105.4              | 00.070.405       | 00 405 050                         | 0.070.005                            | 0.440.707                             | 500.007                              | 227 222                                     | 400 440                                  | 0.570                           |
| 9<br>10   | Allowance for Working Capital               | PAGE 4              | 32,973,435       | 22,425,350                         | 6,678,805                            | 2,410,787                             | 560,807                              | 397,996                                     | 493,118                                  | 6,572                           |
|   | LESS: DEDUCTIONS TO RATE BASE               |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 12  |   | PAGE 4              | 191,042,334      | 139,905,369                        | 31,912,479                           | 11,894,514                            | 2,226,631                            | 1,570,823                                   | 3,500,699                                | 31,820                          |
| 13  |   | I AOL 4             | 131,042,334      | 100,000,000                        | 31,312,473                           | 11,034,514                            | 2,220,031                            | 1,370,023                                   | 3,300,033                                | 31,020                          |
|   | TOTAL RATE BASE                             | PAGE 4              | 917,781,491      | 642,610,926                        | 162,950,516                          | 69,005,884                            | 13,528,487                           | 8,387,793                                   | 21,120,946                               | 176,939                         |
| 15  |   |                     | ,,               | ,-,-,                              | ,,                                   | ,,                                    | ,,                                   | 2,221,122                                   | ,,,,,                                    | ,                               |
| 16  |   |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 17  | DEVELOPMENT OF RETURN                       |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 18  | GAS OPERATING REVENUE                       |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 19  |   | PAGE 5              | 150,271,383      | 89,404,673                         | 36,888,924                           | 10,714,751                            | 2,336,139                            | 5,857,669                                   | 5,042,452                                | 26,773                          |
| 20  | Sales Revenue - Gas Cost Revenue            | PAGE 5              | 61,472,261       | 35,432,842                         | 16,295,472                           | 6,102,937                             | 2,242,315                            | 50,069                                      | 1,327,594                                | 21,031                          |
| 21  |   | PAGE 5              | (9,333,186)      | (5,466,685)                        | (2,195,895)                          | (822,401)                             | (54,605)                             | (648,888)                                   | (144,065)                                | (648)                           |
| 22  |   | PAGE 5              | 511,464          | 189,789                            | 43,291                               | 16,136                                | 16,526                               | 2,131                                       | 243,549                                  | 43                              |
| 23  |   | PAGE 5              | 1,120,276        | 891,369                            | 180,124                              | 21,686                                | 2,328                                | 5,300                                       | 19,417                                   | 52                              |
| 24  |   |                     | 204,042,198      | 120,451,988                        | 51,211,917                           | 16,033,109                            | 4,542,703                            | 5,266,281                                   | 6,488,947                                | 47,252                          |
| 25  |   | DAGEG               | 04 470 004       | 05 400 040                         | 40.005.470                           | 0.400.007                             | 0.040.045                            | F0 000                                      | 4 007 504                                | 04.004                          |
| 26<br>27  |   | PAGE 6              | 61,472,261       | 35,432,842                         | 16,295,473                           | 6,102,937                             | 2,242,315                            | 50,069                                      | 1,327,594                                | 21,031                          |
| 28  |   |                     | 142,569,937      | 85,019,146                         | 34,916,445                           | 9,930,172                             | 2,300,388                            | 5,216,212                                   | 5,161,353                                | 26,220                          |
| 29  |   |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 30  |   | PAGES 6-9           | 57,362,662       | 41,776,671                         | 9,815,120                            | 3,130,141                             | 626.741                              | 970,485                                     | 1,033,403                                | 10.100                          |
| 31  |   | PAGE 10             | 35,000,905       | 25,992,647                         | 5,863,400                            | 1,967,295                             | 370,171                              | 261,698                                     | 540,068                                  | 5,625                           |
| 32  | •   | PAGE 10             | 11,225,394       | 8,218,894                          | 1,885,497                            | 685,765                               | 129,521                              | 99,194                                      | 204,621                                  | 1,902                           |
| 33  |   | PAGE 10             | (5,077)          | (3,718)                            | (848)                                | (316)                                 | (59)                                 | (42)  |  | (1)                             |
| 34  | State Income Taxes                          | PAGES 11            | 840,234          | (61,523)                           | 516,135                              | 112,391                               | 34,798                               | 130,309                                     | 107,910                                  | 214                             |
| 35  | Federal Income Taxes                        | PAGES 11            | (1,954,368)      | (5,397,140)                        | 1,875,361                            | 230,335                               | 123,735                              | 706,977                                     | 506,254                                  | 109                             |
| 36  | TOTAL OPERATING EXPENSE                     |                     | 102,469,750      | 70,525,831                         | 19,954,665                           | 6,125,611                             | 1,284,908                            | 2,168,622                                   | 2,392,164                                | 17,950                          |
| 37  |   |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
|   | NET OPERATING INCOME                        | PAGE 10             | 40,100,187       | 14,493,315                         | 14,961,780                           | 3,804,561                             | 1,015,481                            | 3,047,590                                   | 2,769,189                                | 8,271                           |
|   | Less: Interest on Customers' Deposits       | PAGE 10             | 262,957          | 238,808                            | 24,149                               | 0                                     | 0                                    | 0   | 0  | 0                               |
|   | Plus: AFUDC                                 | PAGE 10             | 3,001,310        | 2,197,939                          | 501,351                              | 186,865                               | 34,981                               | 24,678                                      | 54,997                                   | 500                             |
|   | NET OPERATING INCOME FOR RETURN             | PAGE 10             | 42,838,540       | 16,452,446                         | 15,438,982                           | 3,991,426                             | 1,050,461                            | 3,072,268                                   | 2,824,186                                | 8,770                           |
| 42  |   | DA OF 40            | 4.070/           | 0.500/                             | 0.470/                               | F 700/                                | 7 700/                               | 00.0001                                     | 40.070/                                  | 4.000/                          |
| 43  |   | PAGE 12             | 4.67%            | 2.56%                              | 9.47%                                | 5.78%                                 | 7.76%                                | 36.63%                                      |  | 4.96%                           |
| 44<br>45  |   | PAGE 12             | 1.000            | 0.549                              | 2.030                                | 1.239                                 | 1.664                                | 7.847                                       | 2.865                                    | 1.062                           |
| 40  |   |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |

### PIEDMONT NATURAL GAS COMPANY, INC. GAS COST OF SERVICE STUDY - TENNESSEE 12 MONTHS ENDED DECEMBER 31, 2021

| Rate Base - 13-mth average attrition period ended 12/31/2021 |   | Interruptible<br>Sales Service | Interruptible<br>Transportation |                  |      |      |      |      |      |      |
|--|---|--------------------------------|---------------------------------|------------------|------|------|------|------|------|------|
|  |   | ALLOC                          | Rate 304<br>(9)-2               | Rate 314<br>(10) | (11) | (12) | (13) | (14) | (15) | (16) |
|  | SUMMARY OF RESULTS                          |                                |                                 |                  |      |      |      |      |      |      |
| 1  | DEVELOPMENT OF RATE BASE                    |                                |                                 |                  |      |      |      |      |      |      |
| 2  | Gas Plant in Service                        | PAGE 2                         | 184,195                         | 12,523,123       |      |      |      |      |      |      |
| 3  | Plus: CWIP                                  | PAGE 2                         | 4,785                           | 360,479          |      |      |      |      |      |      |
| 4  | Less: Depreciation and Amortization Reserve | PAGE 3                         | 55,745                          | 3,449,594        |      |      |      |      |      |      |
| 5  | Less: Contributions In Aid of Construction  | PAGE 3                         | 228                             | 6,395            |      |      |      |      |      |      |
| 6  | NET GAS PLANT IN SERVICE                    | PAGE 3                         | 133,007                         | 9,427,614        |      |      |      |      |      |      |
| 7  |   |                                |                                 |                  |      |      |      |      |      |      |
| 8  |   |                                |                                 |                  |      |      |      |      |      |      |
| 9  | Allowance for Working Capital               | PAGE 4                         | 3,906                           | 394,090          |      |      |      |      |      |      |
| 10   | LESS: DEDUCTIONS TO RATE BASE               |                                |                                 |                  |      |      |      |      |      |      |
| 12   |   | PAGE 4                         | 22,769                          | 1,548,054        |      |      |      |      |      |      |
| 13   |   | PAGE 4                         | 22,769                          | 1,546,054        |      |      |      |      |      |      |
|  | TOTAL RATE BASE                             | PAGE 4                         | 114,144                         | 8,273,650        |      |      |      |      |      |      |
| 15   |   |                                | ,                               | -,-:-,           |      |      |      |      |      |      |
| 16   |   |                                |                                 |                  |      |      |      |      |      |      |
| 17   | DEVELOPMENT OF RETURN                       |                                |                                 |                  |      |      |      |      |      |      |
| 18   | GAS OPERATING REVENUE                       |                                |                                 |                  |      |      |      |      |      |      |
| 19   |   | PAGE 5                         | 46,672                          | 5,810,997        |      |      |      |      |      |      |
| 20   |   | PAGE 5                         | 50,069                          | 0                |      |      |      |      |      |      |
| 21   |   | PAGE 5                         | (1,739)                         | (647,148)        |      |      |      |      |      |      |
| 22   | 0 0 1                                       | PAGE 5                         | 31                              | 2,100            |      |      |      |      |      |      |
| 23   |   | PAGE 5                         | 49                              | 5,251            |      |      |      |      |      |      |
| 24   |   |                                | 95,081                          | 5,171,199        |      |      |      |      |      |      |
| 25<br>26   |   | PAGE 6                         | 50,069                          | 0                |      |      |      |      |      |      |
| 27   |   | TAGE                           | 45,013                          | 5,171,199        |      |      |      |      |      |      |
| 28   |   |                                | 10,010                          | 0,171,100        |      |      |      |      |      |      |
|  | LESS OPERATING EXPENSES:                    |                                |                                 |                  |      |      |      |      |      |      |
| 30   | Operation & Maintenance                     | PAGES 6-9                      | 7,877                           | 962,608          |      |      |      |      |      |      |
| 31   | Depreciation & Amortization                 | PAGE 10                        | 3,984                           | 257,714          |      |      |      |      |      |      |
| 32   | Taxes Other Than Income                     | PAGE 10                        | 1,358                           | 97,836           |      |      |      |      |      |      |
| 33   |   | PAGE 10                        | (1)                             | (41)             |      |      |      |      |      |      |
| 34   |   | PAGES 11                       | 1,041                           | 129,268          |      |      |      |      |      |      |
| 35   |   | PAGES 11                       | 5,277                           | 701,700          |      |      |      |      |      |      |
| 36   |   |                                | 19,536                          | 2,149,086        |      |      |      |      |      |      |
| 37   | NET OPERATING INCOME                        | PAGE 10                        | 25,477                          | 3,022,113        |      |      |      |      |      |      |
|  | Less: Interest on Customers' Deposits       | PAGE 10<br>PAGE 10             | 25,477                          | 3,022,113        |      |      |      |      |      |      |
|  | Plus: AFUDC                                 | PAGE 10                        | 358                             | 24,320           |      |      |      |      |      |      |
|  | NET OPERATING INCOME FOR RETURN             | PAGE 10                        | 25,835                          | 3,046,434        |      |      |      |      |      |      |
| 42   |   |                                | _==,000                         | -,,              |      |      |      |      |      |      |
| 43   |   | PAGE 12                        | 22.63%                          | 36.82%           |      |      |      |      |      |      |
| 44   | RELATIVE RATE OF RETURN                     | PAGE 12                        | 4.849                           | 7.889            |      |      |      |      |      |      |
| 45   |   |                                |                                 |                  |      |      |      |      |      |      |

# **Exhibit PMN-3-COS**

### PIEDMONT NATURAL GAS COMPANY, INC. GAS COST OF SERVICE STUDY - TENNESSEE 12 MONTHS ENDED DECEMBER 31, 2021

| Rate Base - 13-mth average attrition period ended 12/ |   | TOTAL |   | Residential<br>Service  | Small General<br>Service   | Medium General<br>Service  | Large General<br>Service   | Interruptible<br>Service   | Firm Transportion<br>Service   | Sales for<br>Resale  |
|---|---|-------|---|---|--|--|--|--|--|--|
|   |   | ALLOC | COMPANY<br>(1)-1  | Rate 301<br>(2)   | Rate 302<br>(3)  | Rate 352<br>(4)  | Rate 303<br>(5)  | Rates 304 & 314<br>(6)   | Rate 313<br>(7)  | Rate 310<br>(8)  |
|   | REVENUE REQUIREMENTS  |       |   |   |  |  |  |  |  |  |
| 1 2   | PRESENT RATES   |       |   |   |  |  |  |  |  |  |
| 3<br>4<br>5<br>6<br>7                                 | Rate Base Net Operating Income (Present Rates) Rate of Return (Present Rates) Relative Rate of Return Base Gas Sales Revenue (Present Rates)  |       | 917,781,491<br>42,838,540<br>4.67%<br>1.000<br>150,271,383  | 642,610,926<br>16,452,446<br>2.56%<br>0.549<br>89,404,673   | 162,950,516<br>15,438,982<br>9.47%<br>2.030<br>36,888,924  | 69,005,884<br>3,991,426<br>5.78%<br>1.239<br>10,714,751  | 13,528,487<br>1,050,461<br>7.76%<br>1.664<br>2,336,139                                     | 8,387,793<br>3,072,268<br>36.63%<br>7.847<br>5,857,669   | 21,120,946<br>2,824,186<br>13.37%<br>2.865<br>5,042,452  | 176,939<br>8,770<br>4.96%<br>1.062<br>26,773                                   |
| 8<br>9<br>10  | Gas Base Sales Revenue \$/Therm (Present Rates)   |       | 339,980,814<br>\$0.4420   | 131,496,220<br>\$0.6799   | 60,474,772<br>\$0.6100   | 22,648,852<br>\$0.4731   | 8,074,514<br>\$0.2893  | 95,951,898<br>\$0.0610   | 21,303,108<br>\$0.2367   | 31,451<br>\$0.8513   |
| 14<br>15<br>16<br>17                                  | Claimed Rate of Return Return Required for Claimed Rate of Return Gas Base Sales Revenue Required at Claimed ROR Base Sales Revenue Deficiency Percent Increase Required Annual Booked Therm Sales Gas Base Sales Revenue \$/Therm (Claimed Rates) Revenue Deficiency \$/Therm  PROPOSED REVENUES |       | 7.10%<br>65,173,499<br>180,190,504<br>29,919,121<br>19.91%<br>339,980,814<br>\$0.5300<br>\$0.0880 | 7.10%<br>45,633,087<br>128,494,027<br>39,089,354<br>43.72%<br>131,496,220<br>\$0.9772<br>\$0.2973 | 7.10%<br>11,571,442<br>31,708,105<br>(5,180,819)<br>-14.04%<br>60,474,772<br>\$0.5243<br>-\$0.0857 | 7.10%<br>4,900,246<br>11,932,174<br>1,217,423<br>11.36%<br>22,648,852<br>\$0.5268<br>\$0.0538  | 7.10%<br>960,685<br>2,215,878<br>(120,261)<br>-5.15%<br>8,074,514<br>\$0.2744<br>-\$0.0149 | 7.10%<br>595,634<br>2,540,057<br>(3,317,612)<br>-56.64%<br>95,951,898<br>\$0.0265<br>-\$0.0346 | 7.10%<br>1,499,841<br>3,268,406<br>(1,774,046)<br>-35.18%<br>21,303,108<br>\$0.1534<br>-\$0.0833 | 7.10%<br>12,565<br>31,856<br>5,083<br>18.98%<br>31,451<br>\$1.0129<br>\$0.1616 |
| 24<br>25<br>26<br>27<br>28                            | Proposed Base Gas Sales Revenues Base Sales Revenue Deficiency Percent Increase Required at Proposed Rates Proposed Rate of Return Return Required for Proposed Revenue Annual Booked Therm Sales Gas Base Sales Revenue \$/Therm (Proposed Rates) Revenue Deficiency \$/Therm                    |       | 180,442,928<br>30,171,545<br>20.08%<br>7.12%<br>65,361,936<br>339,980,814<br>\$0.5307<br>\$0.0887 | 110,763,935<br>21,359,262<br>23.89%<br>5.04%<br>32,397,374<br>131,496,220<br>\$0.8423<br>\$0.1624 | 41,614,496<br>4,725,571<br>12.81%<br>11.64%<br>18,966,673<br>60,474,772<br>\$0.6881<br>\$0.0781    | 12,848,100<br>2,133,349<br>19,91%<br>8,8095<br>5,583,995<br>22,648,852<br>\$0,5673<br>\$0,0942 | 2,682,371<br>346,232<br>14,82%<br>9,68%<br>1,308,927<br>8,074,514<br>\$0.3322<br>\$0.0429  | 6,607,957<br>750,288<br>12,81%<br>43.31%<br>3,632,367<br>95,951,898<br>\$0.0689<br>\$0.0078    | 5,893,964<br>851,512<br>16.89%<br>16.38%<br>3,459,849<br>21,303,108<br>\$0.2767<br>\$0.0400      | 32,104<br>5,331<br>19,91%<br>7.21%<br>12,750<br>31,451<br>\$1,0208<br>\$0,1695 |
| 33<br>34<br>35<br>36<br>37<br>38<br>39                | Proposed Rate of Return<br>Relative Rate of Return  |       | 7.12%<br>1.000  | 5.04%<br>0.708  | 11.64%<br>1.634  | 8.09%<br>1.136   | 9.68%<br>1.359   | 43.31%<br>6.081  | 16.38%<br>2.300  | 7.21%<br>1.012   |
| 40<br>41<br>42  | Average Use per Customer (therms)   |       | 1,754   | 750   | 3,410  | 39,851   | 156,533  | 1,881,410  | 275,471  | 15,726   |

43 44 45

### PIEDMONT NATURAL GAS COMPANY, INC. GAS COST OF SERVICE STUDY - TENNESSEE 12 MONTHS ENDED DECEMBER 31, 2021

|                                       | Rate Base - 13-mth average attrition period ended 12/3   | 1/2021<br>ALLOC | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2                                 | Interruptible<br>Transportation<br>Rate 314<br>(10)  | (11) | (12) | (13) | (14) | (15) | (16) |
|---------------------------------------|--|-----------------|---|--|------|------|------|------|------|------|
|                                       | REVENUE REQUIREMENTS   |                 |   |  |      |      |      |      |      |      |
| 1 2                                   | PRESENT RATES  |                 |   |  |      |      |      |      |      |      |
| 3<br>4<br>5<br>6<br>7<br>8<br>9<br>10 | Rate Base Net Operating Income (Present Rates) Rate of Return (Present Rates) Relative Rate of Return Base Gas Sales Revenue (Present Rates) Annual Booked Therm Sales Gas Base Sales Revenue \$/Therm (Present Rates)   |                 | 114,144<br>25,835<br>22.63%<br>4.849<br>46,672<br>257,216<br>\$0.1815               | 8,273,650<br>3,046,434<br>36.82%<br>7.889<br>5,810,997<br>95,694,681<br>\$0.0607               |      |      |      |      |      |      |
| 14<br>15<br>16<br>17                  | Claimed Rate of Return Return Required for Claimed Rate of Return Gas Base Sales Revenue Required at Claimed ROR Base Sales Revenue Deficiency Percent Increase Required Annual Booked Therm Sales Gas Base Sales Revenue \$/Therm (Claimed Rates) Revenue Deficiency \$/Therm |                 | 7.10%<br>8,106<br>22,923<br>(23,749)<br>-50.89%<br>257,216<br>\$0.0891<br>-\$0.0923 | 7.10%<br>587,528<br>2,517,135<br>(3,293,862)<br>-56.68%<br>95,694,681<br>\$0.0263<br>-\$0.0344 |      |      |      |      |      |      |
| 27<br>28                              | Proposed Base Gas Sales Revenues Base Sales Revenue Deficiency Percent Increase Required at Proposed Rates Proposed Rate of Return Return Required for Proposed Revenue Annual Booked Therm Sales Gas Base Sales Revenue \$/Therm (Proposed Rates) Revenue Deficiency \$/Therm |                 | 55,368<br>8,696<br>18,63%<br>28,32%<br>32,326<br>257,216<br>\$0,2153<br>\$0,0338    | 6,552,589<br>741,592<br>12.76%<br>43.51%<br>3,600,040<br>95,694,681<br>\$0.0685<br>\$0.0077    |      |      |      |      |      |      |
|                                       | Relative Rate of Return  |                 | 28.32%<br>3.977   | 43.51%<br>6.110  |      |      |      |      |      |      |
| 40<br>41<br>42<br>43<br>44<br>45      | Average Use per Customer (therms)  |                 | 128,608   | 1,952,953  |      |      |      |      |      |      |

# **Exhibit PMN-4-COS**

#### Piedmont Natural Gas Company, Inc. Tennessee Test Period 12 M.E. 12/31/2021

### Allocation of Proposed Revenue Adjustments to Base Rates

| Line<br>No. | Description                                | Current<br>Base<br>Revenue | Integrity<br>Management<br>Revenue | Current<br>Total<br>Base Sales<br>Revenue | Gas Cost<br>Revenue | Current Commodity<br>Gas Cost<br>Revenue | Agreement<br>Revenue | Unprotect Excess<br>ADIT Refund<br>Revenue | Current<br>Total<br>Sales<br>Revenue |
|-------------|--|----------------------------|------------------------------------|---|---------------------|--|----------------------|--|--------------------------------------|
|             | (A)  | (B)                        | (C)                                | (D)<br>(col B + col C)                    | (E)                 | (F)                                      | (G)                  | (H)  | (I)<br>(col D thru col H)            |
| 1           | Rate Schedule:                             |                            |                                    | (66.2 / 66.6)                             |                     |  |                      |  | (55.2 1.1.4 55.7.)                   |
| 2           | 301 - Residential Service                  | \$68,020,492               | \$21,384,181                       | \$89,404,673                              | \$9,836,398         | \$25,596,444                             |                      | (\$5,466,685)                              | \$119,370,830                        |
| 3           | 302 - Small General Service                | \$27,918,496               | \$8,970,428                        | \$36,888,924                              | \$4,523,734         | \$11,771,739                             |                      | (\$2,195,895)                              | \$50,988,502                         |
| 4           | 352 - Medium General Service               | \$8,499,034                | \$2,215,717                        | \$10,714,751                              | \$1,694,217         | \$4,408,720                              |                      | (\$822,401)                                | \$15,995,288                         |
| 5           | 303 - Large General Sales Service          | \$1,857,143                | \$478,997                          | \$2,336,139                               | \$670,568           | \$1,571,747                              | \$13,505             | (\$54,605)                                 | \$4,537,355                          |
| 6           | 304 - Interruptible Service                | \$42,011                   | \$4,661                            | \$46,672                                  | \$0                 | \$50,069                                 |                      | (\$1,739)                                  | \$95,001                             |
| 7           | 313 - Firm Transportation Service          | \$3,757,838                | \$1,284,614                        | \$5,042,452                               | \$1,327,594         | \$0                                      | \$238,800            | (\$144,065)                                | \$6,464,781                          |
| 8           | 314 - Interruptible Transportation Service | \$4,306,604                | \$1,504,393                        | \$5,810,997                               | \$0                 | \$0                                      |                      | (\$647,148)                                | \$5,163,849                          |
| 9           | 310 - Resale Service                       | \$16,734                   | \$10,039                           | \$26,773                                  | \$14,909            | \$6,122                                  |                      | (\$648)                                    | \$47,157                             |
| 10          | Special Contracts                          | \$259,159                  |                                    |   | \$0                 | \$0                                      |                      | \$0  |                                      |
| 11          | Total                                      | \$114,677,511              | \$35,853,030                       | \$150,271,383                             | \$18,067,420        | \$43,404,841                             | \$252,305            | (\$9,333,186)                              | \$202,662,763                        |
| 12          |  |                            |                                    |   |                     |  |                      |  | \$259,159                            |
| 13          |  |                            |                                    | \$150,271,383                             |                     |  |                      |  | \$202,921,922                        |
| 14          |  |                            | C                                  | OS Base Revenues                          |                     |  |                      | С  | OS Sales Revenues                    |

15 16 Notes 17 (1) Sou

18

19 20 (1) Source for columns B thru G is file

"TN 2020 Rate Case Sales & Trans Proforma Revs\_6-12.xls"

(2) Source for column I is Schedule PMN-6. pages 3 and 4.

# Allocation of Proposed Revenue Adjustments to Base Rates

| Line<br>No. | Description (A)                            | Increase Target Base Revenue Increase @ Uniform ROR 19.91% ( J ) (2) | Revenue<br>Increase<br>Capped at<br>120% of Uniform<br>ROR 19.91%<br>23.89%<br>( K) | Capped<br>Revenue<br>If col K > col J<br>col L = M<br>(L) | Total To Redistribute (M) tal col J - total col I | Redistributed<br>Capped<br>Revenue<br>(N) | Target Base Revenue Proposed Increase (O) (col L + col N) | Target Proposed Base Revenue (P) (col D + col O + col O) | Proposed<br>Total Base<br>Sales Revenue<br>(Q) | Base<br>Sales<br>Percent<br>Increase<br>(R) | Overall<br>Increase<br>(S) |
|-------------|--|--|---|---|---|---|---|--|--|---|----------------------------|
| 1           | Rate Schedule:                             | •                              |   | ·   |   |   | ,   |  |  |   |                            |
| 2           | 301 - Residential Service                  | \$39,089,354   | \$21,358,776  | \$21,358,776  |   |   | \$21,358,776  | \$110,763,450  | \$110,763,935                                  | 23.9%                                       | 18.2%                      |
| 3           | 302 - Small General Service                | (\$5,180,819)  | \$8,812,764   |   |   | \$4,725,960.45                            | \$4,725,960   | \$41,614,885   | \$41,614,496                                   | 12.8%                                       | 9.0%                       |
| 4           | 352 - Medium General Service               | \$1,217,423  | \$2,559,754   |   |   | \$2,133,313                               | \$2,133,313   | \$12,848,064   | \$12,848,100                                   | 19.9%                                       | 13.1%                      |
| 5           | 303 - Large General Sales Service          | (\$120,261)  | \$558,104   |   |   | \$299,290.44                              | \$299,290   | \$2,648,935  | \$2,682,371                                    | 14.2%                                       | 4.5%                       |
| 6           | 304 - Interruptible Service                | (\$23,749)   | \$11,150  |   |   | \$5,979.30                                | \$5,979   | \$52,651   | \$55,368                                       | 18.6%                                       | 9.2%                       |
| 7           | 313 - Firm Transportation Service          | (\$1,774,046)  | \$1,204,642   |   |   | \$646,004.96                              | \$646,005   | \$5,927,257  | \$5,893,964                                    | 11.6%                                       | 5.9%                       |
| 8           | 314 - Interruptible Transportation Service | (\$3,293,862)  | \$1,388,247   |   |   | \$744,465.78                              | \$744,466   | \$6,555,463  | \$6,552,589                                    | 12.8%                                       | 3.1%                       |
| 9           | 310 - Resale Service                       | \$5,083  | \$6,396   |   |   | \$5,331                                   | \$5,331   | \$32,104   | \$32,104                                       | 19.9%                                       | -15.2%                     |
| 10          | Special Contracts                          |  |   |   |   |   |   |  |  |   |                            |
| 11          | Total                                      | \$29,919,121   |   | \$21,358,776  | \$8,560,345                                       | \$8,560,345                               | \$29,919,121  | \$180,442,809  | \$180,442,928                                  |   |                            |
| 12          |  |  |   |   |   |   |   |  | \$118 diff                                     |   |                            |

\$6,421,701

line 11 - line 4 - line 9

14 15

13

16 Notes

(1) Source for columns B thru G is file

"TN 2020 Rate Case Sales & Trans Proforma Revs\_6-12.xls"

(2) Source for column I is Schedule PMN-6. pages 3 and 4.

18 19 20

# Base Revenues at Present and Proposed Rates

| WITHOU | IIT C | <br>2 | CTC |
|--------|-------|-------|-----|

|   |                      |              |                               |                       |                                 | sent Rates                        |                      |                                |    | _                      |                       |                                 | Proposed Ra                       | ies                  |       |                          |        |
|---|----------------------|--------------|-------------------------------|-----------------------|---------------------------------|-----------------------------------|----------------------|--------------------------------|----|------------------------|-----------------------|---------------------------------|-----------------------------------|----------------------|-------|--------------------------|--------|
| Schedule & Cost Component   | Quantity             | <u>Units</u> | Base<br>Margin<br><u>Rate</u> | COG<br>Demand<br>Rate | COG<br>Commodity<br><u>Rate</u> | Unprot Exc<br>ADIT Refund<br>Rate | Total<br><u>Rate</u> | Revenue                        | N  | Base<br>Iargin<br>Rate | COG<br>Demand<br>Rate | COG<br>Commodity<br><u>Rate</u> | Unprot Exc<br>ADIT Refund<br>Rate | Total<br><u>Rate</u> |       | Revenue                  | Chang  |
|   |                      |              |                               |                       | R                               | esidential                        |                      |                                |    |                        |                       |                                 | Residentia                        | ı                    |       |                          |        |
| Rate Schedule 301 - Residential Service   |                      |              |                               |                       |                                 |                                   |                      |                                |    |                        |                       |                                 |                                   |                      |       |                          |        |
| Customer Charge-Winter<br>Customer Charge-Summer  | 879,725<br>1,224,674 |              | \$17.45<br>\$13.45            |                       |                                 |                                   | \$17.45<br>\$13.45   | \$ 15,351,201<br>\$ 16,471,865 |    | \$17.45<br>\$13.45     |                       |                                 |                                   |                      |       | 15,351,201<br>16,471,865 |        |
| Delivery Charge - Winter  | 10,058,287           | Dts          | \$ 2.9009                     |                       |                                 |                                   | \$ 2.9009            | \$ 29,178,084                  | \$ | 6.3264                 |                       |                                 |                                   | \$ 6.326             | 64 \$ | 63,632,744               |        |
| Delivery Charge - Summer  | 2,923,630            |              | \$ 2.4009                     |                       |                                 |                                   |                      | \$ 7,019,342                   | \$ | 5.2360                 |                       |                                 |                                   |                      |       | 15,308,124               |        |
| Integrity Management Rider Revenues Total Revenues  |                      |              |                               |                       |                                 |                                   |                      | 21,384,181<br>\$ 89,404,673    |    |                        |                       |                                 |                                   |                      | •     | 110,763,935              | 23.9   |
| Total Revenues  |                      |              |                               |                       |                                 |                                   |                      | \$ 89,404,673                  |    |                        |                       |                                 |                                   |                      | Þ     | 110,763,935              | 23.8   |
| Use Per Customer (1)<br>Monthly \$ per Customers @ Proposed Eq  | ualized ROR          | (2)          |                               |                       |                                 |                                   |                      |                                |    | 750<br>\$37.33         |                       |                                 |                                   |                      | \$    | 110,763,450              | Target |
|   |                      |              |                               |                       |                                 |                                   |                      |                                |    |                        |                       |                                 |                                   |                      |       |                          |        |
|   |                      |              |                               |                       | Small G                         | eneral Service                    |                      |                                |    |                        |                       | 5                               | Small General S                   | ervice               |       |                          |        |
| Rate Schedule 302 - Small General Servic<br>Customer Charge   | <u>e</u><br>212,805  | Bills        | \$44.00                       |                       |                                 |                                   | \$44.00              | \$ 9,363,420                   | 1  | \$44.00                |                       |                                 |                                   | \$44.0               | 00 \$ | 9,363,420                |        |
| Delivery Charge - Winter  | 4,081,629            | Dts          | \$ 3.2787                     |                       |                                 |                                   | \$ 3.2787            | 13,382,437                     | \$ | 5.6988                 |                       |                                 |                                   | \$ 5.698             | RR.   | 23,260,387               |        |
| Delivery Charge - Summer  | 1,888,721            |              | \$ 2.7387                     |                       |                                 |                                   | \$ 2.7387            | 5,172,639                      | \$ | 4.7602                 |                       |                                 |                                   | \$ 4.760             |       | 8,990,688                |        |
| Integrity Management Rider Revenues Total Revenues  |                      |              |                               |                       |                                 |                                   |                      | 8,970,428<br>\$ 36,888,924     |    |                        |                       |                                 |                                   |                      | •     | 41,614,496               | 12.8   |
| Use Per Customer (1)  |                      |              |                               |                       |                                 |                                   |                      | <b>*</b> 00,000,021            | "  | 3.410                  |                       |                                 |                                   |                      |       | 41,614,885               |        |
| Monthly \$ per Customers @ Proposed Eq  | ualized ROR          | (2)          |                               |                       |                                 |                                   |                      |                                |    | \$63.32                |                       |                                 |                                   |                      |       | 41,014,000               | ruiget |
|   |                      |              |                               |                       |                                 |                                   |                      |                                |    |                        |                       |                                 |                                   |                      |       |                          |        |
| D. O. I. I. O. I. |                      |              |                               |                       | Medium                          | General Servic                    | е                    |                                |    |                        |                       | М                               | edium General                     | Service              |       |                          |        |
| Rate Schedule 352 - Medium General Serv<br>Customer Charge  | 6,820                | Bills        | \$225.00                      |                       |                                 |                                   | \$225.00             | \$ 1,534,500                   | \$ | 300.00                 |                       |                                 |                                   | \$300.0              | 00 \$ | 2,046,000                |        |
| Delivery Charge - Winter  | 1,557,040            | Dts          | \$ 3.2787                     |                       |                                 |                                   | \$ 3.2787            | 5,105,068                      | \$ | 5.0853                 |                       |                                 |                                   | \$ 5.085             | 53    | 7,918,018                |        |
| Delivery Charge - Summer  | 678,959              | Dts          | \$ 2.7387                     |                       |                                 |                                   | \$ 2.7387            | 1,859,466                      | \$ | 4.2478                 |                       |                                 |                                   | \$ 4.247             | 78    | 2,884,083                |        |
| Integrity Management Rider Revenues Total Revenues  |                      |              |                               |                       |                                 |                                   |                      | 2,215,717<br>\$ 10,714,751     |    |                        |                       |                                 |                                   |                      | \$    | 12,848,100               | 19.9   |
| Use Per Customer (1)  |                      |              |                               |                       |                                 |                                   |                      |                                | "  | 39,851                 |                       |                                 |                                   |                      |       | 12,848,064               |        |
| Monthly \$ per Customers @ Proposed Eq  | ualized ROR          | (2)          |                               |                       |                                 |                                   |                      |                                |    | \$715.22               |                       |                                 |                                   |                      |       | -,,-0 .                  |        |
|   |                      |              |                               |                       |                                 |                                   |                      |                                |    |                        |                       |                                 |                                   |                      |       |                          |        |
|   |                      |              |                               |                       |                                 |                                   |                      |                                |    |                        |                       |                                 |                                   |                      |       |                          |        |

# Base Revenues at Present and Proposed Rates

| WITHOUT GAS COSTS |  |
|-------------------|--|
|                   |  |

|                | WITHOUT GAS COSTS  |                     |              |                               |                              | Pre            | sent Rates                        |                      |              |   |    |                               |                              |                                 | Proposed Rate      | s                    |    |                     |        |
|----------------|--|---------------------|--------------|-------------------------------|------------------------------|----------------|-----------------------------------|----------------------|--------------|---|----|-------------------------------|------------------------------|---------------------------------|--------------------|----------------------|----|---------------------|--------|
|                | Schedule & Cost Component                                    | Quantity            | <u>Units</u> | Base<br>Margin<br><u>Rate</u> | COG<br>Demand<br><u>Rate</u> | COG            | Unprot Exc<br>ADIT Refund<br>Rate | Total<br><u>Rate</u> | Rev          | venue                                   |    | Base<br>Margin<br><u>Rate</u> | COG<br>Demand<br><u>Rate</u> | COG<br>Commodity<br><u>Rate</u> | Unprot Exc         | Total<br><u>Rate</u> | Ē  | <u>Revenue</u>      | Change |
| 51<br>52       | Rate Schedule 303 Large General Sales                        |                     |              |                               |                              | Large G        | eneral Service                    |                      |              |   |    |                               |                              | L                               | arge General Ser   | vice                 |    |                     |        |
| 53             |  |                     |              |                               |                              |                |                                   |                      |              |   |    |                               |                              |                                 |                    |                      |    |                     |        |
| 54<br>55<br>56 | Demand Charge  | 619<br>80,958       |              | \$800.00<br>\$ 8.0000         |                              |                |                                   | \$800.00<br>\$8.00   |              | 495,200<br>647,665                      | \$ | \$800.00<br>10.0000           |                              |                                 |                    | \$800.00<br>\$10.00  | \$ | 495,200<br>809,581  |        |
| 57             | Delivery Charge - First 1,500 Therms                         | 570,665             | Dts          | \$ 0.9195                     |                              |                | :                                 | \$ 0.9195            |              | 524,727                                 | \$ | 1.7560                        |                              |                                 | \$                 | 1.7560               |    | 1,002,088           |        |
| 58             |  | 217,725             |              | \$ 0.8466                     |                              |                |                                   | \$ 0.8466            |              | 184,326                                 | \$ | 1.6168                        |                              |                                 | \$                 | 1.6168               |    | 352,017             |        |
| 59             | Delivery Charge - Next 5,000 Therms                          | 8,763               | Dts          | \$ 0.5963                     |                              |                | :                                 | \$ 0.5963            |              | 5,226                                   | \$ | 1.1388                        |                              |                                 | \$                 | 1.1388               |    | 9,980               |        |
| 60             |  |                     | Dts          | \$ 0.2277                     |                              |                | :                                 | \$ 0.2277            |              | -                                       | \$ | 0.4349                        |                              |                                 | \$                 | 0.4349               |    | -                   |        |
| 61<br>62       | Subtotal Delivery Charges                                    | 797,153             |              |                               |                              |                |                                   |                      | \$           | 714,278                                 |    |                               |                              |                                 |                    |                      | \$ | 1,364,085           |        |
| 63             |  |                     |              |                               |                              |                |                                   |                      |              | 478,997                                 |    |                               |                              |                                 |                    |                      |    |                     |        |
| 64<br>65       |  |                     |              |                               |                              |                |                                   |                      | ¢ 2          | 13,505<br>349,644                       |    |                               |                              |                                 |                    |                      | ¢  | 13,505<br>2,682,371 | 14.2%  |
| 66             |  |                     |              |                               |                              |                |                                   |                      | φ <b>2</b> , | 349,044                                 |    |                               |                              |                                 |                    |                      |    |                     |        |
| 67<br>68       | Use Per Customer (1) Monthly \$ per Customers @ Proposed Equ | ualized ROR         | (2)          |                               |                              |                |                                   |                      |              |   |    | 156,533<br>\$814.20           |                              |                                 |                    |                      | \$ | 2,648,935           | Target |
| 69             | 7,7,   |                     | .,           | -                             |                              |                |                                   |                      |              |   | _  |                               |                              |                                 |                    |                      |    |                     |        |
| 70<br>71       |  |                     |              |                               |                              | Interruptil    | ole Sales Servic                  | •                    |              |   |    |                               |                              | Inte                            | erruptible Sales S | ervice               |    |                     |        |
| 72             | Rate Schedule 304 Interruptible Sales Serv                   | vice                |              |                               |                              | interruptii    | Die Sales Sei VIC                 | e                    |              |   | -  |                               |                              | iiite                           | erruptible Sales S | ei vice              |    |                     |        |
| 73             |  |                     |              |                               |                              |                |                                   |                      |              |   |    |                               |                              |                                 |                    |                      |    |                     |        |
| 74<br>75       |  | 24                  | Bills        | \$800.00                      |                              |                | :                                 | \$ 800.00            | \$           | 19,200                                  | \$ | 800.00                        |                              |                                 | \$                 | 800.00               | \$ | 19,200              |        |
| 76             | Delivery Charge - First 1,500 Therms                         | 18,010              |              | \$ 0.9195                     |                              |                |                                   | \$ 0.9195            |              | 16,560                                  | \$ | 1.4579                        |                              |                                 | \$                 | 1.4579               |    | 26,256              |        |
| 77             |  | 7,384               |              | \$ 0.8466                     |                              |                |                                   | \$ 0.8466            |              | 6,251                                   | \$ | 1.3423                        |                              |                                 | \$                 | 1.3423               |    | 9,912               |        |
| 78             |  |                     |              | \$ 0.5963                     |                              |                |                                   | \$ 0.5963            |              | -                                       | \$ | 0.9454                        |                              |                                 | \$                 | 0.9454               |    | -                   |        |
| 79             |  |                     | Dts          | \$ 0.2277                     |                              |                | ;                                 | \$ 0.2277            | •            | - 00.044                                | \$ | 0.3610                        |                              |                                 | \$                 | 0.3610               | \$ | -                   |        |
| 80<br>81       | Subtotal Delivery Charges                                    | 25,394              |              |                               |                              |                |                                   |                      | \$           | 22,811                                  |    |                               |                              |                                 |                    |                      | Ф  | 36,168              |        |
| 82             |  |                     |              |                               |                              |                |                                   |                      |              | 4,661                                   |    |                               |                              |                                 |                    |                      |    | -                   |        |
| 83             |  |                     |              |                               |                              |                |                                   |                      | \$           | 46,672                                  |    |                               |                              |                                 |                    |                      | \$ | 55,368              | 18.6%  |
| 84<br>85<br>86 | Use Per Customer (1)   | ualized ROR         | (2)          |                               |                              |                |                                   |                      |              |   |    | 128,608<br>\$833.08           |                              |                                 |                    |                      | \$ | 52,651              | Target |
| 87             |  |                     | (-)          |                               |                              |                |                                   |                      |              |   |    | ************                  |                              |                                 |                    |                      |    |                     |        |
| 88             |  |                     |              |                               |                              | 0              |                                   |                      |              |   |    |                               |                              |                                 | T                  |                      | _  |                     |        |
| 89<br>90       | Rate Schedule 313 Large Firm Transportat                     | tion                |              |                               | La                           | arge Generai i | ransportation S                   | service              |              |   | -  |                               |                              | Large Ge                        | neral Transporta   | tion Service         | В  |                     |        |
| 91             | rate deficable of o Earge 1 mm Transportar                   | <del>LIOII</del>    |              |                               |                              |                |                                   |                      |              |   |    |                               |                              |                                 |                    |                      |    |                     |        |
| 92             | Customer Charge  |                     | Bills        | \$800.00                      |                              |                |                                   | \$ 800.00            |              | 742,400                                 | \$ | 800.00                        |                              |                                 | \$                 | 800.00               | \$ | 742,400             |        |
| 93<br>94       |  | 160,281             | Dts          | \$ 8.0000                     |                              |                | :                                 | \$ 8.0000            | 1,           | ,282,250                                | \$ | 10.0000                       |                              |                                 | \$                 | 10.0000              |    | 1,602,813           |        |
| 95             |  | 1,075,090           |              | \$ 0.9195                     |                              |                |                                   | \$ 0.9195            |              | 988,545                                 | \$ | 1.7560                        |                              |                                 | \$                 | 1.7560               |    | 1,887,857           |        |
| 96             |  | 643,262             |              | \$ 0.8466                     |                              |                |                                   | \$ 0.8466            |              | 544,586                                 | \$ | 1.6168                        |                              |                                 | \$                 | 1.6168               |    | 1,040,026           |        |
| 97             | Delivery Charge - Next 5,000 Therms                          | 305,047             |              | \$ 0.5963                     |                              |                |                                   | \$ 0.5963            |              | 181,899                                 | \$ | 1.1388                        |                              |                                 | \$                 | 1.1388               |    | 347,387             |        |
| 98<br>99       |  | 79,743<br>2,103,142 | ⊔ts          | \$ 0.2277                     |                              |                | ;                                 | \$ 0.2277            | \$ 1.        | 18,157<br>,733,187                      | \$ | 0.4349                        |                              |                                 | \$                 | 0.4349               | \$ | 34,680<br>3,309,951 |        |
| 100            |  | 2,103,142           |              |                               |                              |                |                                   |                      | φI           | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |    |                               |                              |                                 |                    |                      | φ  | J,JUB,BJ I          |        |
| 101            |  |                     |              |                               |                              |                |                                   |                      | 1,           | ,284,614                                |    |                               |                              |                                 |                    |                      |    | -                   |        |
| 102            | 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4                      |                     |              |                               |                              |                |                                   |                      |              | 238,800                                 |    |                               |                              |                                 |                    |                      |    | 238,800             |        |
|                | Total Revenues   |                     |              |                               |                              |                |                                   |                      | \$ 5,        | 281,252                                 | 1  |                               |                              |                                 |                    |                      | \$ | 5,893,964           | 11.6%  |
| 104<br>105     |  |                     |              |                               |                              |                |                                   |                      |              |   |    | 275,471                       |                              |                                 |                    |                      | \$ | 5,927,257           | Target |
|                | Monthly \$ per Customers @ Proposed Equ                      | ualized ROR         | (2)          |                               |                              |                |                                   |                      |              |   |    | \$825.21                      |                              |                                 |                    |                      | Ψ  | 0,021,201           | 12.4%  |
| 107            |  |                     |              |                               |                              |                |                                   |                      |              |   |    |                               |                              |                                 |                    |                      |    |                     |        |

### Base Revenues at Present and Proposed Rates

|  |                  |              |                               |                              |                                 | sent Rates                        |               |                |                               |                                    | Proposed Rate                     | s             |                       |        |
|--|------------------|--------------|-------------------------------|------------------------------|---------------------------------|-----------------------------------|---------------|----------------|-------------------------------|------------------------------------|-----------------------------------|---------------|-----------------------|--------|
| Schedule & Cost Component                                | Quantity         | <u>Units</u> | Base<br>Margin<br><u>Rate</u> | COG<br>Demand<br><u>Rate</u> | COG<br>Commodity<br><u>Rate</u> | Unprot Exc<br>ADIT Refund<br>Rate | Total<br>Rate | Revenue        | Base<br>Margin<br><u>Rate</u> | COG COG Demand Commodity Rate Rate | Unprot Exc<br>ADIT Refund<br>Rate | Total<br>Rate | Revenue               | Change |
| Rate Schedule 314 Interruptible Transp                   | ortation Service | 1            |                               |                              | Interruptible                   | e Transport Serv                  | ice           |                |                               | Interre                            | uptible Transpor                  | t Service     |                       |        |
|  |                  |              |                               |                              |                                 |                                   |               |                |                               |                                    | _                                 |               |                       |        |
| Customer Charge  | 588              | Bills        | \$800.0                       | 0                            |                                 |                                   | 800.00        | \$ 470,400     | \$ 800.00                     |                                    | \$                                | 800.00        | \$ 470,400            |        |
| Delivery Charge - First 1,500 Therms                     | 828,004          | Dts          | \$ 0.919                      | 5                            |                                 | ,                                 | 0.9195        | 761,349        | \$ 1.4579                     |                                    | \$                                | 1.4579        | 1,207,146             |        |
| Delivery Charge - Next 2,500 Therms                      | 1,092,995        |              | \$ 0.846                      |                              |                                 |                                   |               | 925,330        | \$ 1.3423                     |                                    | \$                                |               | 1,467,128             |        |
| Delivery Charge - Next 5,000 Therms                      | 1,182,198        |              | \$ 0.596                      |                              |                                 |                                   |               | 704,945        | \$ 0.9454                     |                                    | \$                                |               | 1,117,650             |        |
| Delivery Charge - Over 9,000 Therms                      | 6,344,226        |              | \$ 0.227                      |                              |                                 |                                   |               | 1,444,580      | \$ 0.3610                     |                                    | \$                                |               | 2,290,265             |        |
| Subtotal Delivery Charges                                | 9,447,422        | -            |                               |                              |                                 |                                   | •             | \$ 3,836,204   |                               |                                    |                                   | =             | \$ 6,082,189          | -      |
| Integrity Management Rider Revenues                      |                  |              |                               |                              |                                 |                                   |               | 1,504,393      |                               |                                    |                                   |               | -                     |        |
| Total Revenues   |                  |              |                               |                              |                                 |                                   |               | \$ 5,810,997   |                               |                                    |                                   | _             | \$ 6,552,589          | 12.8   |
| Use Per Customer (1)                                     |                  |              |                               |                              |                                 |                                   |               |                | 1,952,953                     |                                    |                                   |               | \$ 6,555,463          |        |
| Monthly \$ per Customers @ Proposed                      | Equalized ROR (  | (2)          |                               |                              |                                 |                                   |               |                | \$1,883.01                    | =                                  |                                   |               |                       | 12.8   |
|  |                  |              |                               |                              |                                 |                                   |               |                |                               |                                    |                                   |               |                       |        |
| •  |                  |              |                               |                              | Res                             | sale Service                      |               |                |                               |                                    | Resale Service                    | •             |                       |        |
| Rate Schedule 310 - Resale Service                       |                  |              |                               |                              |                                 |                                   |               |                |                               |                                    |                                   |               |                       |        |
| Customer Charge  | 24               | Bills        |                               |                              |                                 |                                   |               | -              |                               |                                    |                                   | =             | -                     | =      |
| P. Demand Charge   | 1,800            |              | \$ 8.000                      |                              |                                 |                                   |               | 14,400         | \$ 9.6000                     |                                    | \$                                |               | 17,280                |        |
| Commodity Charge   | 3,105            | Dts          | \$ 0.751                      | 8                            |                                 | 5                                 | 0.7518        | 2,334          | \$ 4.7742                     |                                    | \$                                | 4.7742        | 14,824                |        |
| Integrity Management Dider Devenues                      |                  |              |                               |                              |                                 |                                   |               | 10,039         |                               |                                    |                                   |               |                       |        |
| Integrity Management Rider Revenues Total Revenues       |                  |              |                               |                              |                                 |                                   |               | \$ 26,773      |                               |                                    |                                   | -             | \$ 32,104             | 19.9   |
|  |                  |              |                               |                              |                                 |                                   |               | φ 20,773       |                               |                                    |                                   |               | ψ 32,10 <del>4</del>  |        |
| Use Per Customer (1) Monthly \$ per Customers @ Proposed | Equalized POP (  | (2)          |                               |                              |                                 |                                   |               |                | 15,726<br>\$842.82            |                                    |                                   |               | \$ 32,104             | Target |
| 1  | Equalized NON (  | (-)          |                               |                              |                                 |                                   |               |                | ψ042.02                       |                                    |                                   |               |                       |        |
|  |                  |              |                               |                              |                                 |                                   |               |                |                               |                                    |                                   |               |                       |        |
| TOTAL SYSTEM REVENUES                                    |                  |              |                               |                              |                                 |                                   |               | \$ 150,523,688 |                               |                                    |                                   |               | \$ 180,442,928        | 19.9   |
| ļ  |                  |              |                               |                              |                                 |                                   |               |                |                               |                                    |                                   |               |                       |        |
| i Carada Carata A Barrara                                |                  |              |                               |                              |                                 |                                   |               |                |                               |                                    |                                   |               |                       |        |
| Special Contract Revenues BT MFG ACCT 000144909001       |                  |              |                               |                              |                                 |                                   |               | 259.159        |                               |                                    |                                   |               | 259.159               |        |
| Total Special Contract Revenues                          |                  |              |                               |                              |                                 |                                   |               | \$ 259,159     |                               |                                    |                                   |               | \$ 259,159            |        |
| Total Opeolal Contract Revenues                          |                  |              |                               |                              |                                 |                                   |               | Ψ 200,100      |                               |                                    |                                   |               | ų 200,100             |        |
| TOTAL SYSTEM INCLUDING SPECIAL                           | CONTRACTS        |              |                               |                              |                                 |                                   |               | \$ 150,782,847 |                               |                                    |                                   |               | \$ 180,702,086        | 19.8   |
| TOTAL STSTEM INCLUDING SPECIAL                           | CONTRACTS        |              |                               |                              |                                 |                                   |               | \$ 130,762,647 |                               |                                    |                                   |               | <u>\$ 180,702,080</u> | 19.0   |
|  |                  |              |                               |                              |                                 |                                   |               |                |                               |                                    |                                   |               |                       |        |
|  |                  |              |                               |                              |                                 |                                   |               |                |                               | INCREASE                           |                                   |               | \$ 29,919,240         |        |
| i  |                  |              |                               |                              |                                 |                                   |               |                |                               |                                    |                                   |               | ,,                    |        |
|  |                  |              |                               |                              |                                 |                                   |               |                |                               |                                    |                                   |               |                       |        |
| ì  |                  |              |                               |                              |                                 |                                   |               |                |                               | Target Base Revenue In             |                                   |               | 29,919,121            |        |
| •  |                  |              |                               |                              |                                 |                                   |               |                |                               | Target Fixed Gas Cost Ir           | ncrease                           | _             | 0                     |        |
| ,<br>I   |                  |              |                               |                              |                                 |                                   |               |                |                               | Total Target Increase              |                                   |               | 29,919,121            |        |
| ,<br>;<br>,  |                  |              |                               |                              |                                 |                                   |               |                |                               |                                    |                                   |               |                       |        |
| ,<br>I   |                  |              |                               |                              |                                 |                                   |               |                | Difference                    |                                    |                                   |               | \$118                 | 0.00   |
| Notes:   |                  |              |                               |                              |                                 |                                   |               |                | Difference                    |                                    |                                   |               | \$118                 | 0.00   |
|  |                  |              |                               |                              |                                 |                                   |               |                | Difference                    |                                    |                                   |               | \$118                 | 0.00   |

### Revenues at Present and Proposed Rates

|   |                      | -            |                               |                              |                                 | sent Rates                        |                          |   |    |                               |                              |                       |        | oposed Rates                    |                    |          |                          |       |
|---|----------------------|--------------|-------------------------------|------------------------------|---------------------------------|-----------------------------------|--------------------------|---|----|-------------------------------|------------------------------|-----------------------|--------|---------------------------------|--------------------|----------|--------------------------|-------|
| Schedule & Cost Component   | Quantity             | <u>Units</u> | Base<br>Margin<br><u>Rate</u> | COG<br>Demand<br><u>Rate</u> | COG<br>Commodity<br><u>Rate</u> | Unprot Exc<br>ADIT Refund<br>Rate | Total<br><u>Rate</u>     | Revenue   |    | Base<br>Margin<br><u>Rate</u> | COG<br>Demand<br><u>Rate</u> | COG<br>Commod<br>Rate |        | nprot Exc<br>DIT Refund<br>Rate | Total<br>Rate      | <u> </u> | Revenue                  | Chang |
|   |                      |              |                               |                              | Re                              | esidential                        |                          |   |    |                               |                              |                       |        | Residential                     |                    |          |                          |       |
| Rate Schedule 301 - Residential Service   |                      |              |                               |                              |                                 |                                   |                          |   |    |                               |                              |                       |        |                                 |                    |          |                          |       |
| Customer Charge-Winter Customer Charge-Summer   | 879,725<br>1,224,674 |              | \$17.45<br>\$13.45            |                              |                                 |                                   | \$17.45 \$<br>\$13.45 \$ | 15,351,201<br>16.471.865                          | \$ |                               |                              |                       |        |                                 | \$17.45<br>\$13.45 |          | 15,351,201<br>16,471,865 |       |
| Customer Charge-Summer  | 1,224,014            | Dillo        | ψ10. <del>4</del> 0           |                              |                                 |                                   | ψ13.43 ψ                 | 10,471,003  | Ψ  | 13.43                         |                              |                       |        |                                 | ψ10.40             | Ψ        | 10,471,003               |       |
|   | 10,058,287           |              | \$ 2.9009                     | \$ 0.7577                    |                                 |                                   |                          |   | \$ |                               |                              |                       | 17 \$  |                                 |                    |          | 87,097,721               |       |
| Delivery Charge - Summer  | 2,923,630            | Therms       | \$ 2.4009                     | \$ 0.7577                    | \$ 1.9717                       | \$ (0.4211) \$                    | 4.7092 \$                | 13,767,956  | \$ | 5.2360                        | 0.7823                       | \$ 1.97               | 17 \$  | (0.4211) \$                     | 7.5689             | \$       | 22,128,659               |       |
| Integrity Management Rider Revenues   |                      |              |                               |                              |                                 |                                   |                          | 21,384,181  |    |                               |                              |                       |        |                                 |                    |          | _                        |       |
| Total Revenues  |                      |              |                               |                              |                                 |                                   | \$                       | 119,370,830                                       |    |                               |                              |                       |        |                                 |                    | \$ 1     | 141,049,447              | 18.   |
|   |                      |              |                               |                              |                                 |                                   |                          |   |    |                               |                              |                       |        |                                 |                    |          |                          |       |
| Rate Schedule 302 - Small General Service   |                      |              |                               |                              | Small G                         | eneral Service                    |                          |   | _  |                               |                              |                       | Small  | l General Serv                  | ice                |          |                          |       |
| Customer Charge   | 212,805              | Bills        | \$44.00                       |                              |                                 |                                   | \$44.00 \$               | 9,363,420   | \$ | 44.00                         |                              |                       |        |                                 | \$44.00            | \$       | 9,363,420                |       |
| Delivery Charge - Winter  | 4,081,629            | Therms       | \$ 3.2787                     | \$ 0.7577                    | \$ 1.9717                       | \$ (0.3678) \$                    | 5.6403                   | 23,021,612  | \$ | 5.6988                        | 0.7323                       | \$ 1.97               | 17 \$  | (0.3678) \$                     | 8.0350             |          | 32,795,889               |       |
| Delivery Charge - Summer  | 1,888,721            | Therms       | \$ 2.7387                     | \$ 0.7577                    | \$ 1.9717                       | \$ (0.3678) \$                    | 5.1003                   | 9,633,042   | \$ | 4.7602                        | 0.7323                       | \$ 1.97               | 17 \$  | (0.3678) \$                     | 7.0964             |          | 13,403,118               |       |
| Integrity Management Rider Revenues   |                      |              |                               |                              |                                 |                                   |                          | 8,970,428   |    |                               |                              |                       |        |                                 |                    |          |                          |       |
| Total Revenues  |                      |              |                               |                              |                                 |                                   | \$                       |   |    |                               |                              |                       |        |                                 |                    | \$       | 55,562,427               | 9.    |
|   |                      |              |                               |                              |                                 |                                   |                          |   |    |                               |                              |                       |        |                                 |                    |          |                          |       |
|   |                      |              |                               |                              |                                 |                                   |                          |   |    |                               |                              |                       |        |                                 |                    |          |                          |       |
| Rate Schedule 352 - Medium General Servic   |                      | -            |                               |                              | Medium                          | General Service                   |                          |   |    |                               |                              |                       | weatur | m General Ser                   | vice               |          |                          |       |
| Rate Schedule 352 - Medium General Servic<br>Customer Charge  | <u>•e</u><br>6,820   | Bills        | \$225.00                      |                              | Medium                          | General Service                   | \$225.00 \$              | 1,534,500   | \$ | 300.00                        |                              |                       | wealur | m General Ser                   | \$300.00           | \$       | 2,046,000                |       |
| Customer Charge  Delivery Charge - Winter   | 6,820<br>1,557,040   | Therms       | \$ 3.2787                     |                              | \$ 1.9717                       | \$ (0.3678) \$                    | 5.6403                   | 8,782,175   | \$ | 5.0853                        |                              | \$ 1.97               | 17 \$  | (0.3678) \$                     | \$300.00<br>7.4286 | \$       | 11,566,630               |       |
| Customer Charge   | 6,820<br>1,557,040   | Therms       |                               |                              | \$ 1.9717                       |                                   | 5.6403                   |   | \$ |                               |                              |                       | 17 \$  | (0.3678) \$                     | \$300.00           | \$       |                          |       |
| Customer Charge  Delivery Charge - Winter  Delivery Charge - Summer                                     | 6,820<br>1,557,040   | Therms       | \$ 3.2787                     |                              | \$ 1.9717                       | \$ (0.3678) \$                    | 5.6403                   | 8,782,175<br>3,462,896                            | \$ | 5.0853                        |                              | \$ 1.97               | 17 \$  | (0.3678) \$                     | \$300.00<br>7.4286 | \$       | 11,566,630               |       |
| Customer Charge  Delivery Charge - Winter   | 6,820<br>1,557,040   | Therms       | \$ 3.2787                     |                              | \$ 1.9717                       | \$ (0.3678) \$                    | 5.6403                   | 8,782,175   | \$ | 5.0853                        |                              | \$ 1.97               | 17 \$  | (0.3678) \$                     | \$300.00<br>7.4286 |          | 11,566,630               | 13.   |
| Customer Charge  Delivery Charge - Winter Delivery Charge - Summer  Integrity Management Rider Revenues | 6,820<br>1,557,040   | Therms       | \$ 3.2787                     |                              | \$ 1.9717                       | \$ (0.3678) \$                    | 5.6403                   | 8,782,175<br>3,462,896<br>2,215,717<br>15,995,288 | \$ | 5.0853                        |                              | \$ 1.97               | 17 \$  | (0.3678) \$                     | \$300.00<br>7.4286 |          | 11,566,630<br>4,475,088  | 13.   |

### Revenues at Present and Proposed Rates

|   |           |              |                               |                              | Pre                             | sent Rates                               |               |                      |             |                               |                              |                               | Proposed                          | Rates      |                  |                        |        |
|---|-----------|--------------|-------------------------------|------------------------------|---------------------------------|--|---------------|----------------------|-------------|-------------------------------|------------------------------|-------------------------------|-----------------------------------|------------|------------------|------------------------|--------|
| Schedule & Cost Component   | Quantity  | <u>Units</u> | Base<br>Margin<br><u>Rate</u> | COG<br>Demand<br><u>Rate</u> | COG<br>Commodity<br><u>Rate</u> | Unprot Exc<br>ADIT Refund<br><u>Rate</u> | Total<br>Rate | Revenue              |             | Base<br>Margin<br><u>Rate</u> | COG<br>Demand<br><u>Rate</u> | COG<br>Commodi<br><u>Rate</u> | Unprot Ex<br>ty ADIT Refu<br>Rate | nd T       | otal<br>Rate     | Revenue                | Change |
| D. O. I. I. 1001  |           | _            |                               |                              | Large G                         | eneral Service                           |               |                      |             |                               |                              |                               | Large Genera                      | al Service | 9                |                        |        |
| Rate Schedule 303 Large General Sales                                       |           |              |                               |                              |                                 |  |               |                      |             |                               |                              |                               |                                   |            |                  |                        |        |
| Customer Charge   | 619       | Bills        | \$800.00                      |                              |                                 |  | \$800.00 \$   | 495,200              | \$          | 800.00                        |                              |                               |                                   | 5          | \$800.00         | 495,200                |        |
| Demand Charge   | 80,958    | Therms       | \$ 8.0000                     | \$ 8.2829                    |                                 |  | \$16.28       | 1,318,233            |             |                               | \$ 6.7158                    |                               |                                   |            | \$16.72          | 1,353,279              |        |
| D. II. O  |           |              |                               |                              |                                 | <b>6</b> (0.000E) <b>6</b>               | 0.0007        | 4 040 047            |             | 4 7500                        |                              |                               | <b>-</b> • (0.00)                 | n=\ A      |                  | 0.000.470              |        |
| Delivery Charge - First 1,500 Therms<br>Delivery Charge - Next 2,500 Therms |           |              | \$ 0.9195<br>\$ 0.8466        |                              | \$ 1.9717<br>\$ 1.9717          | . (/                                     |               | 1,610,817<br>598,699 | \$          | 1.7560<br>1.6168              |                              | \$ 1.971<br>\$ 1.971          |                                   |            | 3.6592<br>3.5200 | 2,088,179<br>766,391   |        |
| Delivery Charge - Next 5,000 Therms   |           |              | \$ 0.5963                     |                              | \$ 1.9717                       |  |               | 21,904               | \$          | 1.1388                        |                              | \$ 1.971                      |                                   |            | 3.0420           | 26,658                 |        |
| Delivery Charge - Over 9,000 Therms   |           |              | \$ 0.2277                     |                              | \$ 1.9717                       |  |               |                      | \$          | 0.4349                        |                              | \$ 1.971                      |                                   |            | 2.3381           | -                      |        |
| Subtotal Delivery Charges   | 797,153   |              |                               |                              |                                 | , (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,  | \$            | 2,231,420            |             |                               |                              |                               | , (                               | , ,        | -                | 2,881,228              | -      |
|   |           |              |                               |                              |                                 |  |               |                      |             |                               |                              |                               |                                   |            |                  |                        |        |
| Integrity Management Rider Revenues Minimum Margin Agreement Revenues       |           |              |                               |                              |                                 |  |               | 478,997<br>13,505    |             |                               |                              |                               |                                   |            |                  | 13,505                 |        |
| Total Revenues  |           |              |                               |                              |                                 |  | •             | 4,537,355            |             |                               |                              |                               |                                   |            | -                | 3,505<br>4,743,212     | 4.5    |
| Total Novolius  |           |              |                               |                              |                                 |  | 4             | 4,557,555            |             |                               |                              |                               |                                   |            | •                | 4,743,212              |        |
|   |           |              |                               |                              | Interruntik                     | ole Sales Service                        |               |                      |             |                               |                              | In                            | terruptible Sa                    | les Serv   | ice              |                        |        |
| Rate Schedule 304 Interruptible Sales Se                                    | rvice     | -            |                               |                              | interruptii                     | ne Sales Sel Vice                        |               | <del></del>          |             |                               |                              |                               | terruptible 3a                    | iles sei v | ice              |                        |        |
| Customer Charge   | 24        | Bills        | \$800.00                      |                              |                                 | 9  | 800.00 \$     | 19,200               | <b>I</b> \$ | 800.00                        |                              |                               |                                   | \$         | 800.00           | 19,200                 |        |
| Customer Charge   | 24        | DIIIS        | \$800.00                      |                              |                                 | 4  | 800.00 4      | 19,200               | φ           | 800.00                        |                              |                               |                                   | φ          | 800.00           | 19,200                 |        |
| Delivery Charge - First 1,500 Therms  | 18,010    | Therms       | \$ 0.9195                     |                              | \$ 1.9717                       | \$ (0.0685) \$                           | 2.8227        | 50,835               | \$          | 1.4579                        |                              | \$ 1.971                      | 7 \$ (0.068                       | 85) \$     | 3.3611           | 60,532                 |        |
| Delivery Charge - Next 2,500 Therms   |           |              | \$ 0.8466                     |                              | \$ 1.9717                       |  |               | 20,305               | \$          | 1.3423                        |                              | \$ 1.971                      |                                   |            | 3.2455           | 23,965                 |        |
| Delivery Charge - Next 5,000 Therms   |           |              | \$ 0.5963                     |                              | \$ 1.9717                       |  |               | -                    | \$          | 0.9454                        |                              | \$ 1.971                      |                                   |            | 2.8486           | -                      |        |
| Delivery Charge - Over 9,000 Therms   |           |              | \$ 0.2277                     |                              | \$ 1.9717                       | \$ (0.0685) \$                           | 2.1309        | -                    | \$          | 0.3610                        |                              | \$ 1.971                      | 7 \$ (0.068                       | 85) \$     | 2.2642           | -                      | -      |
| Subtotal Delivery Charges   | 25,394    |              |                               |                              |                                 |  | *             | 71,140               |             |                               |                              |                               |                                   |            | ;                | 84,497                 |        |
| Integrity Management Rider Revenues   |           |              |                               |                              |                                 |  |               | 4,661                |             |                               |                              |                               |                                   |            |                  | _                      |        |
| Total Revenues  |           |              |                               |                              |                                 |  | \$            |                      |             |                               |                              |                               |                                   |            | ,                | 103,697                | 9.2    |
|   |           |              |                               |                              |                                 |  |               |                      |             |                               |                              |                               |                                   |            |                  |                        |        |
|   |           |              |                               | La                           | arge General 1                  | ransportation Se                         | ervice        |                      |             |                               |                              | Large G                       | eneral Trans                      | portation  | Service          |                        |        |
| Rate Schedule 313 Firm Transportation                                       |           |              |                               |                              |                                 |  |               |                      |             |                               |                              |                               |                                   |            |                  |                        |        |
| Customer Charge   | 928       | Bills        | \$800.00                      |                              |                                 | 9  | 800.00 \$     | 742,400              | \$          | 800.00                        |                              |                               |                                   | \$         | 800.00           | 742,400                |        |
| Demand Charge   | 160,281   | Therms       | \$ 8.0000                     | \$ 8.2829                    |                                 | 9  |               | 2,609,844            | \$          |                               | \$ 8.3617                    |                               |                                   |            | 18.3617          | 2,943,037              |        |
| Delivery Observer First 4 500 Th  | 4.075.000 | Theres       | 0.0405                        |                              | ¢ 40717                         | (0.000E) #                               | 0.0007        | 0.004.055            |             | 4.7500                        |                              | 6 407                         | 7 6 (0.00                         | DE)        | 0.0500           | 0.000.000              |        |
| Delivery Charge - First 1,500 Therms  | 1,075,090 |              | \$ 0.9195<br>\$ 0.8466        |                              | \$ 1.9717<br>\$ 1.9717          |  |               | 3,034,655            | \$          | 1.7560<br>1.6168              |                              | \$ 1.971<br>\$ 1.971          |                                   |            | 3.6592<br>3.5200 | 3,933,968<br>2,264,283 |        |
| Delivery Charge - Next 2,500 Therms<br>Delivery Charge - Next 5,000 Therms  |           |              | \$ 0.8466                     |                              | \$ 1.9717                       |  |               | 1,768,842<br>762,464 | \$<br>\$    | 1.1388                        |                              | \$ 1.971                      |                                   |            | 3.5200           | 2,264,283<br>927,952   |        |
| Delivery Charge - Next 5,000 Therms  Delivery Charge - Over 9,000 Therms    |           |              | \$ 0.3903                     |                              | \$ 1.9717                       |  |               | 169,924              | \$          | 0.4349                        |                              |                               | 7 \$ (0.068                       |            | 2.3381           | 186,447                |        |
| Subtotal Delivery Charges   | 2,103,142 |              | - U.LLII                      |                              | Ψ 1.0/1/                        | y (0.0000) 4                             | \$            | 5,735,886            | •           | 5040                          |                              | ų 1.07 l                      | . \$ (0.000                       | , Ψ        |                  | 7,312,650              | -      |
| Integrity Management Rider Revenues   |           |              |                               |                              |                                 |  |               | 1,284,614            |             |                               |                              |                               |                                   |            |                  |                        |        |
| Minimum Margin Agreement Revenues   |           |              |                               |                              |                                 |  |               | 238,800              |             |                               |                              |                               |                                   |            |                  | 238,800                |        |
| www.man.rvargiii Agreement Neverlues  |           |              |                               |                              |                                 |  |               | 200,000              |             |                               |                              |                               |                                   |            |                  | 230,000                |        |
| Total Revenues  |           |              |                               |                              |                                 |  | \$            | 10,611,545           |             |                               |                              |                               |                                   |            | -                | 11,236,887             | 5.9    |
|   |           |              |                               |                              |                                 |  |               |                      |             |                               |                              |                               |                                   |            |                  |                        | 5.5    |
|   |           |              |                               |                              |                                 |  |               |                      |             |                               |                              |                               |                                   |            |                  |                        |        |

### Revenues at Present and Proposed Rates

|            |  |                        |        |                       |        |                       | Pi                            |                         | Rates                          |               |    |                         |          |                                |                              |          |                               |        | osed Rates                 |                  |      |                          |         |
|------------|--|------------------------|--------|-----------------------|--------|-----------------------|-------------------------------|-------------------------|--------------------------------|---------------|----|-------------------------|----------|--------------------------------|------------------------------|----------|-------------------------------|--------|----------------------------|------------------|------|--------------------------|---------|
|            | Schedule & Cost Component  | Quantity               | Units  | Base<br>Margi<br>Rate | n D    | COG<br>Demand<br>Rate | COG<br>Commodi<br><u>Rate</u> |                         | nprot Exc<br>IT Refund<br>Rate | Total<br>Rate |    | Revenue                 |          | Base<br>//argin<br><u>Rate</u> | COG<br>Demand<br><u>Rate</u> | Co       | COG<br>mmodity<br><u>Rate</u> | ADIT   | rot Exc<br>Refund<br>Rate  | Total<br>Rate    | R    | levenue                  | Change  |
| 108<br>109 | Rate Schedule 314 Interruptible Transportat                                | dan <b>C</b> amdaa     | -      |                       |        |                       | Interruptib                   | le Tra                  | nsport Service                 | e             |    |                         |          |                                |                              |          | Interru                       | ptible | Transport S                | Service          |      |                          |         |
| 110        | Rate Schedule 314 Interruptible Transportal                                | tion Service           |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 111<br>112 | Customer Charge  | 588                    | Bills  | \$800                 | .00    |                       |                               |                         | \$                             | 800.00        | \$ | 470,400                 | \$       | 800.00                         |                              |          |                               |        | \$                         | 800.00           | \$   | 470,400                  |         |
| 113        | Delivery Charge - First 1,500 Therms                                       |                        |        | \$ 0.9                |        |                       |                               | 7 \$                    | (0.0685) \$                    |               |    | 2,337,205               | \$       | 1.4579                         |                              | \$       | 1.9717                        |        | (0.0685) \$                | 3.3611           |      | 2,783,003                |         |
| 114        | Delivery Charge - Next 2,500 Therms  | 1,092,995              |        | \$ 0.8                |        |                       |                               | 7 \$                    | (0.0685) \$                    |               |    | 3,005,518               | \$       | 1.3423                         |                              | \$       | 1.9717                        |        | (0.0685) \$                | 3.2455           |      | 3,547,316                |         |
| 115<br>116 | Delivery Charge - Next 5,000 Therms<br>Delivery Charge - Over 9,000 Therms | 1,182,198<br>6,344,226 |        | \$ 0.59<br>\$ 0.22    |        |                       |                               | 7 <b>\$</b> 7 <b>\$</b> | (0.0685) \$<br>(0.0685) \$     |               |    | 2,954,904<br>13,518,910 | \$<br>\$ | 0.9454<br>0.3610               |                              | \$<br>\$ | 1.9717<br>1.9717              |        | (0.0685) \$<br>(0.0685) \$ | 2.8486<br>2.2642 |      | 3,367,609                |         |
| 117        | Subtotal Delivery Charges  | 9,447,422              |        | \$ 0.2                | 211    |                       | <b>р</b> 1.97                 | 1 \$                    | (0.0665) \$                    | 2.1309        | \$ | 21,816,538              | Ф        | 0.3610                         |                              | Ф        | 1.9717                        | Ф      | (U.U665) \$                |                  | \$   | 14,364,595<br>24,062,523 |         |
| 118        | Cubicial Belivery Charges  | 5,447,422              |        |                       |        |                       |                               |                         |                                |               | Ψ  | 21,010,000              |          |                                |                              |          |                               |        |                            |                  | Ψ    | 24,002,020               |         |
| 119<br>120 | Integrity Management Rider Revenues  |                        |        |                       |        |                       |                               |                         |                                |               |    | 1,504,393               |          |                                |                              |          |                               |        |                            |                  |      | -                        | 3.1%    |
| 121        | Total Revenues   |                        |        |                       |        |                       |                               |                         |                                |               | \$ | 23,791,331              |          |                                |                              |          |                               |        |                            | -                | \$   | 24,532,923               | 3.1%    |
| 122        |  |                        |        |                       |        |                       |                               |                         |                                |               | •  |                         |          |                                |                              |          |                               |        |                            |                  | •    | ,,                       |         |
| 123        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 124        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 125<br>126 |  |                        |        |                       |        |                       | D.                            | I- C                    | Service                        |               |    |                         |          |                                |                              |          |                               | Dane   | ale Service                |                  |      |                          |         |
| 127        | Rate Schedule 310 - Resale Service   |                        | -      |                       |        |                       | T.C                           | sale s                  | service                        |               |    |                         | -        |                                |                              |          |                               | Kesa   | ale Service                |                  |      |                          |         |
| 128        | Customer Charge  | 24                     | Bills  |                       |        |                       |                               |                         |                                |               |    | -                       | 1        |                                |                              |          |                               |        |                            |                  |      | -                        |         |
| 129        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            | -                |      |                          |         |
| 130        | Demand Charge  |                        |        |                       | 000 \$ | 8.2829                |                               |                         | \$                             | 16.28         |    | 29,309                  | \$       |                                | \$ 1.3372                    |          |                               |        | \$                         | 10.94            |      | 19,687                   |         |
| 131        | Commodity Charge   | 3,105                  | Therms | \$ 0.7                | 518    |                       | \$ 1.971                      | 7 \$                    | (0.2086) \$                    | 2.5149        |    | 7,809                   | \$       | 4.7742                         |                              | \$       | 1.9717                        | \$     | (0.2086) \$                | 6.5373           |      | 20,298                   |         |
| 132        |  |                        |        |                       |        |                       |                               |                         |                                |               |    | 40.000                  |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 133<br>134 | Integrity Management Rider Revenues Total Revenues                         |                        |        |                       |        |                       |                               |                         |                                |               | \$ | 10,039<br>47,157        |          |                                |                              |          |                               |        |                            | -                | \$   | 39,985                   | -15.2%  |
| 135        | Total Revenues   |                        |        |                       |        |                       |                               |                         |                                |               | Ф  | 47,157                  | ļ        |                                |                              |          |                               |        |                            |                  | Ф    | 39,965                   | -13.2 / |
| 136        |  |                        |        |                       |        |                       |                               |                         |                                |               | \$ | 39,082,389              |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 137        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 138        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 139        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 140<br>141 | TOTAL SYSTEM REVENUES  |                        |        |                       |        |                       |                               |                         |                                |               | \$ | 225,437,009             |          |                                |                              |          |                               |        |                            |                  | s :  | 255,356,297              | 13.3%   |
| 142        | TOTAL STSTEM NEVEROLS  |                        |        |                       |        |                       |                               |                         |                                |               | Ψ  | 223,437,003             |          |                                |                              |          |                               |        |                            |                  | φ 2  | 200,000,231              | 13.378  |
| 143        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 144        | Special Contract Revenues  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 145        | BT MFG ACCT 000144909001   |                        |        |                       |        |                       |                               |                         |                                |               |    | 259,159                 |          |                                |                              |          |                               |        |                            |                  |      | 259,159                  |         |
|            | Total Special Contract Revenues  |                        |        |                       |        |                       |                               |                         |                                |               | \$ | 259,159                 |          |                                |                              |          |                               |        |                            |                  | \$   | 259,159                  |         |
| 147        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 148        |  |                        |        |                       |        |                       |                               |                         |                                |               | _  |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 149<br>150 | TOTAL SYSTEM INCLUDING SPECIAL CON   | TIRACTS                |        |                       |        |                       |                               |                         |                                |               | \$ | 225,696,168             |          |                                |                              |          |                               |        |                            |                  | \$ 2 | <u> 255,615,456</u>      | 13.3%   |
| 150        |  |                        |        |                       |        |                       |                               |                         | ~                              | os            | \$ | 202,921,922             |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 152        |  |                        |        |                       |        |                       |                               |                         | C                              |               | 4  | <u> </u>                |          |                                | NCREASE                      |          |                               |        |                            |                  | \$   | 29,919,288               |         |
| 153        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  | *    | ,0.0,200                 |         |
| 154        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 155        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                | Target Base                  |          |                               |        |                            |                  |      | 29,919,121               |         |
| 156        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                | Target Fixed                 |          |                               | ase    |                            | -                |      | 0 040 404                |         |
| 157<br>158 |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                | Total Target                 | incre    | ase                           |        |                            |                  |      | 29,919,121               |         |
| 159        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         | Diff     | erence                         |                              |          |                               |        |                            |                  |      | \$166                    |         |
| 160        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 161<br>162 |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |
| 102        |  |                        |        |                       |        |                       |                               |                         |                                |               |    |                         |          |                                |                              |          |                               |        |                            |                  |      |                          |         |

# **Exhibit PMN-5-COS**

|          | Rate Base - 13-mth average attrition period ended | 12/31/2021<br>ALLOC | TOTAL<br>COMPANY         | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium General<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 |
|----------|---|---------------------|--------------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|--|---------------------------------|
|          | SUMMARY OF RESULTS                                |                     | (1)-1                    | (2)                                | (3)                                  | (4)                                   | (5)                                  | (6)   | (7)                                      | (8)                             |
| 1        | DEVELOPMENT OF RATE BASE                          |                     |                          |                                    |                                      |                                       |                                      |   |  |                                 |
| 2        | Gas Plant in Service                              | PAGE 2              | 1,545,454,176            | 1,131,777,084                      | 258,158,874                          | 96,221,741                            | 18,012,531                           | 12,707,318                                  | 28,319,222                               | 257,407                         |
| 3        | Plus: CWIP  | PAGE 2              | 42,271,971               | 30,569,595                         | 7,311,819                            | 2,628,325                             | 520,792                              | 365,265                                     | 868,985                                  | 7,192                           |
| 4        | Less: Depreciation and Amortization Reserve       | PAGE 3              | 506,047,002              | 397,287,303                        | 76,491,111                           | 20,315,297                            | 3,334,115                            | 3,505,339                                   | 5,051,500                                | 62,338                          |
| 5        | Less: Contributions In Aid of Construction        | PAGE 3              | 5,828,754                | 4,968,430                          | 795,392                              | 45,158                                | 4,898                                | 6,622                                       | 8,179                                    | 75                              |
| 6<br>7   | NET GAS PLANT IN SERVICE                          | PAGE 3              | 1,075,850,391            | 760,090,945                        | 188,184,190                          | 78,489,611                            | 15,194,310                           | 9,560,621                                   | 24,128,528                               | 202,186                         |
| 8        | PLUS: ADDITIONS TO RATE BASE                      |                     |                          |                                    |                                      |                                       |                                      |   |  |                                 |
| 9<br>10  | Allowance for Working Capital                     | PAGE 4              | 32,973,435               | 22,425,350                         | 6,678,805                            | 2,410,787                             | 560,807                              | 397,996                                     | 493,118                                  | 6,572                           |
|          | LESS: DEDUCTIONS TO RATE BASE                     |                     |                          |                                    |                                      |                                       |                                      |   |  |                                 |
| 12<br>13 |   | PAGE 4              | 191,042,334              | 139,905,369                        | 31,912,479                           | 11,894,514                            | 2,226,631                            | 1,570,823                                   | 3,500,699                                | 31,820                          |
| 14       | TOTAL RATE BASE                                   | PAGE 4              | 917,781,491              | 642,610,926                        | 162,950,516                          | 69,005,884                            | 13,528,487                           | 8,387,793                                   | 21,120,946                               | 176,939                         |
| 15<br>16 |   |                     |                          |                                    |                                      |                                       |                                      |   |  |                                 |
|          | DEVELOPMENT OF RETURN                             |                     |                          |                                    |                                      |                                       |                                      |   |  |                                 |
| 18       | GAS OPERATING REVENUE                             |                     |                          |                                    |                                      |                                       |                                      |   |  |                                 |
| 19       | Sales Revenue - Base Revenue                      | PAGE 5              | 150,271,383              | 89,404,673                         | 36,888,924                           | 10,714,751                            | 2,336,139                            | 5,857,669                                   | 5,042,452                                | 26,773                          |
| 20       |   | PAGE 5              | 61,472,261               | 35,432,842                         | 16,295,472                           | 6,102,937                             | 2,242,315                            | 50,069                                      | 1,327,594                                | 21,031                          |
| 21       |   | PAGE 5              | (9,333,186)              | (5,466,685)                        | (2,195,895)                          | (822,401)                             | (54,605)                             | (648,888)                                   |  | (648)                           |
| 22       | 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4           | PAGE 5              | 511,464                  | 189,789                            | 43,291                               | 16,136                                | 16,526                               | 2,131                                       | 243,549                                  | 43                              |
| 23       |   | PAGE 5              | 1,120,276                | 891,369                            | 180,124                              | 21,686                                | 2,328                                | 5,300                                       | 19,417                                   | 52                              |
| 24<br>25 |   |                     | 204,042,198              | 120,451,988                        | 51,211,917                           | 16,033,109                            | 4,542,703                            | 5,266,281                                   | 6,488,947                                | 47,252                          |
| 26       |   | PAGE 6              | 61,472,261               | 35,432,842                         | 16,295,473                           | 6,102,937                             | 2,242,315                            | 50,069                                      | 1,327,594                                | 21,031                          |
| 27       | Gross Margin                                      |                     | 142,569,937              | 85,019,146                         | 34,916,445                           | 9,930,172                             | 2,300,388                            | 5,216,212                                   | 5,161,353                                | 26,220                          |
| 28       |   |                     |                          |                                    |                                      |                                       |                                      |   |  |                                 |
| 29       |   | DAOFOOO             | F7 000 000               | 44 770 074                         | 0.045.400                            | 0.400.444                             | 000 744                              | 070 405                                     | 4 000 400                                | 40.400                          |
| 30       |   | PAGES 6-9           | 57,362,662               | 41,776,671                         | 9,815,120                            | 3,130,141                             | 626,741                              | 970,485                                     | 1,033,403                                | 10,100                          |
| 31<br>32 | •   | PAGE 10<br>PAGE 10  | 35,000,905<br>11,225,394 | 25,992,647<br>8,218,894            | 5,863,400<br>1,885,497               | 1,967,295<br>685,765                  | 370,171<br>129,521                   | 261,698<br>99,194                           | 540,068<br>204,621                       | 5,625<br>1,902                  |
| 33       |   | PAGE 10<br>PAGE 10  | (5,077)                  | (3,718)                            | (848)                                | (316)                                 | (59)                                 |   |  | (1)                             |
| 34       |   | PAGES 11            | 840,234                  | (61,523)                           | 516,135                              | 112,391                               | 34,798                               | 130,309                                     | 107,910                                  | 214                             |
| 35       |   | PAGES 11            | (1,954,368)              | (5,397,140)                        | 1,875,361                            | 230,335                               | 123,735                              | 706,977                                     | 506,254                                  | 109                             |
| 36       |   | 17.02011            | 102,469,750              | 70,525,831                         | 19,954,665                           | 6,125,611                             | 1,284,908                            | 2,168,622                                   | 2,392,164                                | 17,950                          |
| 37       |   |                     |                          |                                    |                                      |                                       |                                      |   |  |                                 |
|          | NET OPERATING INCOME                              | PAGE 10             | 40,100,187               | 14,493,315                         | 14,961,780                           | 3,804,561                             | 1,015,481                            | 3,047,590                                   | 2,769,189                                | 8,271                           |
| 39       |   | PAGE 10             | 262,957                  | 238,808                            | 24,149                               | 0                                     | 0                                    | 0   | 0  | 0                               |
|          | Plus: AFUDC                                       | PAGE 10             | 3,001,310                | 2,197,939                          | 501,351                              | 186,865                               | 34,981                               | 24,678                                      | 54,997                                   | 500                             |
| 41<br>42 |   | PAGE 10             | 42,838,540               | 16,452,446                         | 15,438,982                           | 3,991,426                             | 1,050,461                            | 3,072,268                                   | 2,824,186                                | 8,770                           |
| 43       |   | PAGE 12             | 4.67%                    | 2.56%                              | 9.47%                                | 5.78%                                 | 7.76%                                | 36.63%                                      | 13.37%                                   | 4.96%                           |
| 44       | RELATIVE RATE OF RETURN                           | PAGE 12             | 1.000                    | 0.549                              | 2.030                                | 1.239                                 | 1.664                                | 7.847                                       | 2.865                                    | 1.062                           |
| 45       |   |                     |                          |                                    |                                      |                                       |                                      |   |  |                                 |

|          | Rate Base - 13-mth average attrition period ended | 12/31/2021<br>ALLOC | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2 | Interruptible<br>Transportation<br>Rate 314<br>(10) | (11) | (12) | (13) | (14) | (15)  | (16)  |
|----------|---|---------------------|---|---|------|------|------|------|-------|-------|
|          | SUMMARY OF RESULTS                                |                     | (=) =   | (1-)  | (,   | (/   | (12) | ( )  | (1-5) | (1-5) |
| 1        | DEVELOPMENT OF RATE BASE                          |                     |   |   |      |      |      |      |       |       |
| 2        | Gas Plant in Service                              | PAGE 2              | 184,195   | 12,523,123  |      |      |      |      |       |       |
| 3        | Plus: CWIP  | PAGE 2              | 4,785   | 360,479   |      |      |      |      |       |       |
| 4        | Less: Depreciation and Amortization Reserve       | PAGE 3              | 55,745  | 3,449,594   |      |      |      |      |       |       |
| 5        | Less: Contributions In Aid of Construction        | PAGE 3              | 228   | 6,395   |      |      |      |      |       |       |
| 6<br>7   | NET GAS PLANT IN SERVICE                          | PAGE 3              | 133,007   | 9,427,614   |      |      |      |      |       |       |
| 8        | PLUS: ADDITIONS TO RATE BASE                      |                     |   |   |      |      |      |      |       |       |
| 9<br>10  | Allowance for Working Capital                     | PAGE 4              | 3,906   | 394,090   |      |      |      |      |       |       |
|          | LESS: DEDUCTIONS TO RATE BASE                     |                     |   |   |      |      |      |      |       |       |
| 12<br>13 | Accumulated Deferred Inocme Taxes                 | PAGE 4              | 22,769  | 1,548,054   |      |      |      |      |       |       |
|          | TOTAL RATE BASE                                   | PAGE 4              | 114,144   | 8,273,650   |      |      |      |      |       |       |
| 15<br>16 |   |                     |   |   |      |      |      |      |       |       |
|          | DEVELOPMENT OF RETURN                             |                     |   |   |      |      |      |      |       |       |
|          | GAS OPERATING REVENUE                             |                     |   |   |      |      |      |      |       |       |
| 19       |   | PAGE 5              | 46,672  | 5,810,997   |      |      |      |      |       |       |
| 20       |   | PAGE 5              | 50,069  | 0   |      |      |      |      |       |       |
| 21       | Unprotected Excess ADIT Refund                    | PAGE 5              | (1,739)   | (647,148)   |      |      |      |      |       |       |
| 22       | Minimum Margin Agree Rev & Special Contracts      | PAGE 5              | 31  | 2,100   |      |      |      |      |       |       |
| 23       | Other Operating Revenues                          | PAGE 5              | 49  | 5,251   |      |      |      |      |       |       |
| 24       | TOTAL GAS OPERATING REVENUES                      |                     | 95,081  | 5,171,199   |      |      |      |      |       |       |
| 25       |   |                     |   | _   |      |      |      |      |       |       |
| 26       |   | PAGE 6              | 50,069  | 0   |      |      |      |      |       |       |
| 27<br>28 | Gross Margin                                      |                     | 45,013  | 5,171,199   |      |      |      |      |       |       |
|          | LESS OPERATING EXPENSES:                          |                     |   |   |      |      |      |      |       |       |
| 30       | Operation & Maintenance                           | PAGES 6-9           | 7,877   | 962,608   |      |      |      |      |       |       |
| 31       | Depreciation & Amortization                       | PAGE 10             | 3,984   | 257,714   |      |      |      |      |       |       |
| 32       |   | PAGE 10             | 1,358   | 97,836  |      |      |      |      |       |       |
| 33       | Investment Tax Credit                             | PAGE 10             | (1)   | (41)  |      |      |      |      |       |       |
| 34       | State Income Taxes                                | PAGES 11            | 1,041   | 129,268   |      |      |      |      |       |       |
| 35       | Federal Income Taxes                              | PAGES 11            | 5,277   | 701,700   |      |      |      |      |       |       |
| 36       | TOTAL OPERATING EXPENSE                           |                     | 19,536  | 2,149,086   |      |      |      |      |       |       |
| 37       |   |                     |   |   |      |      |      |      |       |       |
|          | NET OPERATING INCOME                              | PAGE 10             | 25,477  | 3,022,113   |      |      |      |      |       |       |
| 39       |   | PAGE 10             | 0   | 0   |      |      |      |      |       |       |
|          | Plus: AFUDC                                       | PAGE 10             | 358   | 24,320  |      |      |      |      |       |       |
| 41<br>42 | NET OPERATING INCOME FOR RETURN                   | PAGE 10             | 25,835  | 3,046,434   |      |      |      |      |       |       |
| 43       | RATE OF RETURN                                    | PAGE 12             | 22.63%  | 36.82%  |      |      |      |      |       |       |
| 44       | RELATIVE RATE OF RETURN                           | PAGE 12             | 4.849   | 7.889   |      |      |      |      |       |       |
| 45       |   |                     |   |   |      |      |      |      |       |       |

|                | Rate Base - 13-mth average attrition period ended                      | 12/31/2021<br>ALLOC | TOTAL<br>COMPANY | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium General<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 |
|----------------|--|---------------------|------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|--|---------------------------------|
|                | DEVELOPMENT OF RATE BASE   |                     | (1)-1            | (2)                                | (3)                                  | (4)                                   | (5)                                  | (6)   | (7)                                      | (8)                             |
| 1              | GAS PLANT IN SERVICE   |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 3              | INTANGIBLE PLANT   | PLANT               | 27,104,691       | 19,849,484                         | 4,527,676                            | 1,687,569                             | 315,910                              | 222,865                                     | 496,672                                  | 4,514                           |
| 5              | LOCAL STORAGE PLANT  | DEMSTOR             | 66,186,730       | 43,813,350                         | 15,057,408                           | 5,911,481                             | 1,393,984                            | 0   | 0  | 10,508                          |
| 7<br>8         | TRANSMISSION PLANT   | DEMTRAN             | 369,786,759      | 230,466,681                        | 83,456,318                           | 32,466,664                            | 8,405,405                            | 0   | 14,935,690                               | 56,000                          |
| 9<br>10        | DISTRIBUTION PLANT<br>374-375 - Land & Rights and Structures & Improve | □ DEMDIST           | 11,715,648       | 7,301,685                          | 2,644,077                            | 1,028,614                             | 266,301                              | 0   | 473,195                                  | 1,774                           |
| 11             | ·  | e DEMIDIOT          | 11,713,040       | 7,301,003                          | 2,044,077                            | 1,020,014                             | 200,301                              | U   | 473,193                                  | 1,774                           |
| 12             |  | DEMDISTM            | 110,852,882      | 64,372,222                         | 23,310,392                           | 9,068,345                             | 2,347,735                            | 7,566,822                                   | 4,171,725                                | 15,642                          |
| 13             |  | CUST376A            | 104,066,687      | 40,250,436                         | 18,511,071                           | 34,319,818                            | 3,114,951                            | 3,079,726                                   | 4,669,911                                | 120,774                         |
| 14             |  | CUST376B            | 355,303,424      | 322,673,433                        | 32,629,991                           | 0                                     | 0                                    | 0   | 0  | 0                               |
| 15             |  |                     | 570,222,992      | 427,296,091                        | 74,451,454                           | 43,388,163                            | 5,462,686                            | 10,646,548                                  | 8,841,635                                | 136,415                         |
| 16             |  | DEMDIST             | 21,326,186       | 13,291,377                         | 4,813,058                            | 1,872,404                             | 484,753                              | 0   | 861,365                                  | 3,230                           |
| 17             |  | DEMDIST             | 5,560,307        | 3,465,417                          | 1,254,893                            | 488,186                               | 126,388                              | 0   | 224,581                                  | 842                             |
| 18             |  | CUST_380            | 326,828,953      | 278,588,996                        | 44,599,104                           | 2,532,072                             | 274,625                              | 371,327                                     | 458,600                                  | 4,229                           |
| 19             |  | CUST_38185          | 69,790,468       | 51,454,512                         | 13,977,427                           | 2,724,454                             | 452,515                              | 483,713                                     | 672,401                                  | 25,445                          |
| 20<br>21       |  |                     | 1,005,444,554    | 781,398,078                        | 141,740,013                          | 52,033,894                            | 7,067,269                            | 11,501,587                                  | 11,531,778                               | 171,935                         |
|                | GENERAL PLANT  | LABOR               | 76,931,443       | 56,249,491                         | 13,377,458                           | 4,122,134                             | 829,964                              | 982,865                                     | 1,355,083                                | 14,450                          |
| 24<br>25       | TOTAL GAS PLANT IN SERVICE   |                     | 1,545,454,176    | 1,131,777,084                      | 258,158,874                          | 96,221,741                            | 18,012,531                           | 12,707,318                                  | 28,319,222                               | 257,407                         |
| 26             |  |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 27             | CONSTRUCTION WORK IN PROGRESS  |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 28             | Intangible (203)   | INTANPLT            | 9,931,546        | 7,273,134                          | 1,659,005                            | 618,349                               | 115,754                              | 81,661                                      | 181,988                                  | 1,654                           |
| 29             |  | STORPLT             | 80,321           | 53,170                             | 18,273                               | 7,174                                 | 1,692                                | 0   | 0  | 13                              |
| 30             |  | TRANPLT             | 8,707,295        | 5,426,753                          | 1,965,129                            | 764,486                               | 197,920                              | 0   | 351,688                                  | 1,319                           |
| 31             | Distribution   | DISTPLT             | 12,946,467       | 10,061,563                         | 1,825,096                            | 670,007                               | 91,001                               | 148,099                                     | 148,487                                  | 2,214                           |
| 32             | General  | GENPLT              | 10,606,342       | 7,754,974                          | 1,844,316                            | 568,308                               | 114,425                              | 135,505                                     | 186,822                                  | 1,992                           |
|                | TOTAL CWIP   | - "                 | 42,271,971       | 30,569,595                         | 7,311,819                            | 2,628,325                             | 520,792                              | 365,265                                     | 868,985                                  | 7,192                           |
| 34             |  |                     | , ,-             | ,,                                 | ,- ,                                 | ,,                                    | , -                                  |   | ,  | , -                             |
| 35<br>36<br>37 | TOTAL GAS PLANT IN SERVICE INCL CWIP                                   |                     | 1,587,726,147    | 1,162,346,678                      | 265,470,693                          | 98,850,065                            | 18,533,322                           | 13,072,582                                  | 29,188,207                               | 264,599                         |

| ALLOC Rate 304 Rate 314 (10) (11) (12) (13) (14) (15) (16)  DEVELOPMENT OF RATE BASE  1 GAS PLANT IN SERVICE 2 INTANGIBLE PLANT PLANT 3,230 219,635 4 LOCAL STORAGE PLANT DEMSTOR 0 0 7 TRANSMISSION PLANT DEMTRAN 0 0 0 8 |         | Rate Base - 13-mth average attrition period ended | 12/31/2021 | Interruptible<br>Sales Service | Interruptible<br>Transportation |      |      |      |       |      |      |
|--|---------|---|------------|--------------------------------|---------------------------------|------|------|------|-------|------|------|
| DEVELOPMENT OF RATE BASE  1 GAS PLANT IN SERVICE 2 INTANGIBLE PLANT PLANT 3,230 219,635 4 LOCAL STORAGE PLANT DEMSTOR 0 0 6 TRANSMISSION PLANT DEMTRAN 0 0   |         |   | ALLOC      | Rate 304                       | Rate 314                        | (11) | (12) | (13) | (14)  | (15) | (16) |
| 2 3 INTANGIBLE PLANT PLANT 3,230 219,635 4 5 LOCAL STORAGE PLANT DEMSTOR 0 0 6 7 TRANSMISSION PLANT DEMTRAN 0 0  |         | DEVELOPMENT OF RATE BASE                          |            | (0) 2                          | (10)                            | (11) | (12) | (10) | (1.1) | (10) | (10) |
| 3 INTANGIBLE PLANT       PLANT       3,230       219,635         4       5 LOCAL STORAGE PLANT       DEMSTOR       0       0         6       7 TRANSMISSION PLANT       DEMTRAN       0       0                            |         | GAS PLANT IN SERVICE                              |            |                                |                                 |      |      |      |       |      |      |
| 5 LOCAL STORAGE PLANT DEMSTOR 0 0 6 7 TRANSMISSION PLANT DEMTRAN 0 0   | 3       | INTANGIBLE PLANT                                  | PLANT      | 3,230                          | 219,635                         |      |      |      |       |      |      |
| 7 TRANSMISSION PLANT DEMTRAN 0 0   | 5       | LOCAL STORAGE PLANT                               | DEMSTOR    | 0                              | 0                               |      |      |      |       |      |      |
|  | 7       | TRANSMISSION PLANT                                | DEMTRAN    | 0                              | 0                               |      |      |      |       |      |      |
| 9 DISTRIBUTION PLANT 10 374-375 - Land & Rights and Structures & Improve DEMDIST 0 0 11 376-MAINS  | 9<br>10 | 374-375 - Land & Rights and Structures & Improve  | e DEMDIST  | 0                              | 0                               |      |      |      |       |      |      |
| 12 Above 2 Inches - Demand DEMDISTM 20,284 7,546,538   |         |   | DEMDISTM   | 20,284                         | 7,546,538                       |      |      |      |       |      |      |
| 13 Above 2 Inches - Customer CUST376A 120,774 2,958,952  | 13      |   |            | 120,774                        | 2,958,952                       |      |      |      |       |      |      |
| 14 2 Inches and Below CUST376B 0 0   |         |   | CUST376B   |                                |                                 |      |      |      |       |      |      |
| 15 TOTAL ACCOUNT 376 141,058 10,505,490  | 15      |   |            | 141,058                        | 10,505,490                      |      |      |      |       |      |      |
| 16 378-Meas & Regulation Station - General DEMDIST 0 0   |         |   |            |                                |                                 |      |      |      |       |      |      |
| 17 379-Meas & Regulation Station - City Gate DEMDIST 0 0   |         |   |            |                                |                                 |      |      |      |       |      |      |
| 18 380-Services CUST_380 12,771 358,556  |         |   |            |                                |                                 |      |      |      |       |      |      |
| 19 381 thru 385-Meters and Regulators CUST_38185 16,963 466,750  |         | 381 thru 385-Meters and Regulators                | CUST_38185 |                                |                                 |      |      |      |       |      |      |
| 20 TOTAL DISTRIBUTION PLANT 170,792 11,330,795   |         | TOTAL DISTRIBUTION PLANT                          |            | 170,792                        | 11,330,795                      |      |      |      |       |      |      |
| 21   |         | 0=11=0.1.51.1.1=                                  |            |                                |                                 |      |      |      |       |      |      |
| 22 GENERAL PLANT LABOR 10,172 972,693  |         |   | LABOR      | 10,172                         | 972,693                         |      |      |      |       |      |      |
| 23<br>24 TOTAL GAS PLANT IN SERVICE 184,195 12,523,123   |         |   |            | 404 405                        | 40 500 400                      |      |      |      |       |      |      |
| 24 TOTAL GAS PLANT IN SERVICE 184,195 12,523,123<br>25   |         |   |            | 184,195                        | 12,523,123                      |      |      |      |       |      |      |
| 26   |         |   |            |                                |                                 |      |      |      |       |      |      |
| 27 CONSTRUCTION WORK IN PROGRESS   |         |   |            |                                |                                 |      |      |      |       |      |      |
| 28 Intangible (203) INTANPLT 1,184 80,477  |         |   | ΙΝΤΔΝΡΙ Τ  | 1 184                          | 80 <i>4</i> 77                  |      |      |      |       |      |      |
| 29 Other Storage STORPLT 0 0   |         |   |            |                                |                                 |      |      |      |       |      |      |
| 30 Transmission TRANPLT 0 0  |         |   |            |                                |                                 |      |      |      |       |      |      |
| 31 Distribution DISTPLT 2,199 145,899  |         |   |            | -                              | 145.899                         |      |      |      |       |      |      |
| 32 General GENPLT 1,402 134,103  |         |   |            |                                |                                 |      |      |      |       |      |      |
| 33 TOTAL CWIP 4,785 360,479  |         |   |            |                                |                                 |      |      |      |       |      |      |
| 34   | 34      |   |            |                                |                                 |      |      |      |       |      |      |
| 35 TOTAL GAS PLANT IN SERVICE INCL CWIP 188,980 12,883,602   |         |   |            | 188,980                        | 12,883,602                      |      |      |      |       |      |      |
| 36   |         |   |            |                                |                                 |      |      |      |       |      |      |
| 37   |         |   |            |                                |                                 |      |      |      |       |      |      |
| 38   |         |   |            |                                |                                 |      |      |      |       |      |      |

|                | Rate Base - 13-mth average attrition period ended | 12/31/2021  | TOTAL            | Residential<br>Service | Small General<br>Service | Medium General<br>Service | Large General<br>Service | Interruptible<br>Service | Firm Transportion<br>Service | Sales for<br>Resale |
|----------------|---|-------------|------------------|------------------------|--------------------------|---------------------------|--------------------------|--------------------------|------------------------------|---------------------|
|                |   | ALLOC       | COMPANY<br>(1)-1 | Rate 301<br>(2)        | Rate 302<br>(3)          | Rate 352<br>(4)           | Rate 303<br>(5)          | Rates 304 & 314<br>(6)   | Rate 313<br>(7)              | Rate 310<br>(8)     |
|                | DEVELOPMENT OF RATE BASE CONTINUED                |             | ,                | , ,                    | , ,                      | , ,                       | , ,                      | , ,                      | , ,                          | . ,                 |
| 1              | LESS:   |             |                  |                        |                          |                           |                          |                          |                              |                     |
| 3              | DEPRECIATION & AMORTIZATION RESERVE               |             |                  |                        |                          |                           |                          |                          |                              |                     |
| 5              | INTANGIBLE PLANT RESERVE                          | INTANPLT    | 14,977,550       | 10,968,457             | 2,501,910                | 932,519                   | 174,566                  | 123,151                  | 274,452                      | 2,495               |
| 7<br>8         | LOCAL STORAGE PLANT RESERVE                       | STORPLT     | 13,498,899       | 8,935,809              | 3,070,985                | 1,205,657                 | 284,305                  | 0                        | 0                            | 2,143               |
| 9<br>10        | TRANSMISSION PLANT RESERVE                        | TRANPLT     | 28,244,833       | 17,603,369             | 6,374,511                | 2,479,849                 | 642,017                  | 0                        | 1,140,809                    | 4,277               |
| 11             |   |             |                  |                        |                          |                           |                          |                          |                              |                     |
| 15             | 374-375 - Land & Rights and Structures & Improve  | e PLT_37475 | 459,689          | 286,497                | 103,746                  | 40,360                    | 10,449                   | 0                        | 18,567                       | 70                  |
| 12             | 2 376 - Mains                                     | PLT_376     | 131,448,943      | 98,501,149             | 17,162,698               | 10,001,926                | 1,259,269                | 2,454,263                | 2,038,191                    | 31,447              |
| 12             | 2 378 & 379 - Meas & Regulation Station           | PLT_37879   | 8,359,953        | 5,210,275              | 1,886,739                | 733,990                   | 190,025                  | 0                        | 337,659                      | 1,266               |
| 13             | 380 - Services                                    | PLT_380     | 244,368,199      | 208,299,450            | 33,346,503               | 1,893,217                 | 205,336                  | 277,639                  | 342,893                      | 3,162               |
| 14             | 381 thru 385 - Meters and Regulators              | PLT_38185   | 30,140,888       | 22,222,013             | 6,036,527                | 1,176,629                 | 195,431                  | 208,904                  | 290,395                      | 10,989              |
| 16<br>17       |   |             | 414,777,673      | 334,519,384            | 58,536,213               | 13,846,121                | 1,860,510                | 2,940,807                | 3,027,705                    | 46,934              |
| 18<br>19       | GENERAL PLANT RESERVE                             | GENPLT      | 34,548,048       | 25,260,284             | 6,007,492                | 1,851,150                 | 372,717                  | 441,381                  | 608,535                      | 6,489               |
| 20<br>21       | TOTAL DEPRECIATION RESERVE                        |             | 506,047,002      | 397,287,303            | 76,491,111               | 20,315,297                | 3,334,115                | 3,505,339                | 5,051,500                    | 62,338              |
| 22             | CONTRIBUTIONS IN AID OF CONSTRUCTION              | PLT_380     | 5,828,754        | 4,968,430              | 795,392                  | 45,158                    | 4,898                    | 6,622                    | 8,179                        | 75                  |
| 24<br>25<br>26 | TOTAL NET PLANT IN SERVICE                        |             | 1,075,850,391    | 760,090,945            | 188,184,190              | 78,489,611                | 15,194,310               | 9,560,621                | 24,128,528                   | 202,186             |

|          | Rate Base - 13-mth average attrition period ended | 12/31/2021 | Interruptible                      | Interruptible                      |      |      |      |      |      |      |
|----------|---|------------|------------------------------------|------------------------------------|------|------|------|------|------|------|
|          |   | ALLOC      | Sales Service<br>Rate 304<br>(9)-2 | Transportation<br>Rate 314<br>(10) | (11) | (12) | (13) | (14) | (15) | (16) |
|          | DEVELOPMENT OF RATE BASE CONTINUED                |            |                                    |                                    |      |      |      |      |      |      |
| 1<br>2   | LESS:   |            |                                    |                                    |      |      |      |      |      |      |
| 3        | DEPRECIATION & AMORTIZATION RESERVE               |            |                                    |                                    |      |      |      |      |      |      |
| 5<br>6   | INTANGIBLE PLANT RESERVE                          | INTANPLT   | 1,785                              | 121,366                            |      |      |      |      |      |      |
| 7<br>8   | LOCAL STORAGE PLANT RESERVE                       | STORPLT    | 0                                  | 0                                  |      |      |      |      |      |      |
| 9<br>10  | TRANSMISSION PLANT RESERVE                        | TRANPLT    | 0                                  | 0                                  |      |      |      |      |      |      |
| 11       |   |            |                                    |                                    |      |      |      |      |      |      |
| 15       |   |            | 0                                  | 0                                  |      |      |      |      |      |      |
| 12       |   | PLT_376    | 32,517                             | 2,421,747                          |      |      |      |      |      |      |
| 12       | <b> </b>  | PLT_37879  | 0                                  | 0                                  |      |      |      |      |      |      |
| 13       |   | PLT_380    | 9,549                              | 268,090                            |      |      |      |      |      |      |
| 14       |   | PLT_38185  | 7,326                              | 201,578                            |      |      |      |      |      |      |
| 16       | TOTAL DISTRIBUTION PLANT                          |            | 49,392                             | 2,891,415                          |      |      |      |      |      |      |
| 17       | OFNEDAL DIANT DECEDI/E                            | OENDLT     | 4.500                              | 400.040                            |      |      |      |      |      |      |
|          | GENERAL PLANT RESERVE                             | GENPLT     | 4,568                              | 436,813                            |      |      |      |      |      |      |
| 19<br>20 | TOTAL DEPRECIATION RESERVE                        |            | EE 71E                             | 2 440 504                          |      |      |      |      |      |      |
|          | TOTAL DEPRECIATION RESERVE                        |            | 55,745                             | 3,449,594                          |      |      |      |      |      |      |
| 21<br>22 | CONTRIBUTIONS IN AID OF CONSTRUCTION              | PLT 380    | 228                                | 6,395                              |      |      |      |      |      |      |
| 23       | CONTRIBUTIONS IN AID OF CONSTRUCTION              | FL1_300    | 220                                | 0,000                              |      |      |      |      |      |      |
| 24       | TOTAL NET PLANT IN SERVICE                        |            | 133,007                            | 9,427,614                          |      |      |      |      |      |      |
| 25       | TOTAL INLT I LAINT IN SERVICE                     |            | 133,007                            | 5,727,014                          |      |      |      |      |      |      |
| 26       |   |            |                                    |                                    |      |      |      |      |      |      |
| 27       |   |            |                                    |                                    |      |      |      |      |      |      |
|          |   |            |                                    |                                    |      |      |      |      |      |      |

|    | Rate Base - 13-mth average attrition period ende | ed 12/31/2021<br>ALLOC | TOTAL<br>COMPANY<br>(1)-1 | Residential<br>Service<br>Rate 301<br>(2) | Small General<br>Service<br>Rate 302<br>(3) | Medium General<br>Service<br>Rate 352<br>(4) | Large General<br>Service<br>Rate 303<br>(5) | Interruptible<br>Service<br>Rates 304 & 314<br>(6) | Firm Transportion<br>Service<br>Rate 313<br>(7) | Sales for<br>Resale<br>Rate 310<br>(8) |
|----|--|------------------------|---------------------------|---|---|--|---|--|---|--|
|    | DEVELOPMENT OF RATE BASE CONTINUE                | D                      | (1)                       | (2)                                       | (3)   | (4)  | (5)   | (0)  | (/)   | (0)                                    |
| 1  | ADDITIONS AND DEDUCTIONS TO PLANT IN             | SERVICE                |                           |   |   |  |   |  |   |  |
| 2  | LESS: UNAMORTIZED INVESTMENT TAX CR              | EDITRI ANT             | 0                         | 0   | 0   | 0  | 0   | 0  | 0   | 0                                      |
| 4  | LESS. UNAMORTIZED INVESTMENT TAX CR              | EDITELANI              | 0                         | U   | U   | U  | U   | 0  | U   | U                                      |
| 5  | PLUS: ALLOWANCE FOR WORKING CAPITA               | AL                     |                           |   |   |  |   |  |   |  |
| 6  | Requirement for Lead Lag                         | EXPOOM                 | 9,935,993                 | 7,236,287                                 | 1,700,112                                   | 542,183                                      | 108,560                                     | 168,101  | 178,999   | 1,749                                  |
| 7  | Cash Working Funds                               | PLANT                  | (555,056)                 | (406,482)                                 | (92,719)                                    | (34,558)                                     | (6,469)                                     | (4,564)  | (10,171)  | (92)                                   |
| 8  | Materials and Supplies                           | PLANT                  | 168,196                   | 123,174                                   | 28,096                                      | 10,472                                       | 1,960                                       | 1,383  | 3,082   | 28                                     |
| 9  | Gas Inventories                                  | ENESTOR                | 8,763,271                 | 5,493,717                                 | 2,180,663                                   | 835,220                                      | 252,337                                     | 0  | 0   | 1,333                                  |
| 10 | Deferred Debits                                  | PLANT                  | 11,530,731                | 8,444,260                                 | 1,926,140                                   | 717,916                                      | 134,393                                     | 94,810   | 211,292   | 1,921                                  |
| 11 | Prepaid Insurance                                | PLANT                  | 144,537                   | 105,848                                   | 24,144                                      | 8,999  | 1,685                                       | 1,188  | 2,649   | 24                                     |
| 12 | Pension and OPEB                                 | LABOR                  | 19,545,529                | 14,290,984                                | 3,398,734                                   | 1,047,287                                    | 210,864                                     | 249,711  | 344,278   | 3,671                                  |
| 13 | Fleets and Overheads                             | PLANT                  | 127,993                   | 93,732                                    | 21,380                                      | 7,969  | 1,492                                       | 1,052  | 2,345   | 21                                     |
| 14 | Accounts Payable applicable to CWIP              | CWIP                   | (9,557,776)               | (6,911,846)                               | (1,653,217)                                 | (594,269)                                    | (117,752)                                   | (82,587)   | (196,479)                                       | (1,626)                                |
| 15 | Accounts Payable applicable to Materials & Su    | pplie LABOR            | (21,305)                  | (15,578)                                  | (3,705)                                     | (1,142)                                      | (230)                                       | (272)  | (375)   | (4)                                    |
| 16 |  | CUSTDEP                | (4,382,623)               | (3,980,136)                               | (402,487)                                   | 0  | 0   | 0  | 0   | 0                                      |
| 17 | Interest on Customer Deposits                    | CUSTDEP                | (313,114)                 | (284,358)                                 | (28,755)                                    | 0  | 0   | 0  | 0   | 0                                      |
| 18 |  | LABOR                  | (2,412,940)               | (1,764,255)                               | (419,581)                                   | (129,290)                                    | (26,032)                                    | (30,827)   | (42,502)  | (453)                                  |
| 19 |  | AL                     | 32,973,435                | 22,425,350                                | 6,678,805                                   | 2,410,787                                    | 560,807                                     | 397,996  | 493,118   | 6,572                                  |
| 20 |  |                        |                           |   |   |  |   |  |   |  |
| 21 | DEDUCT   |                        |                           |   |   |  |   |  |   |  |
| 22 |  | TA) PLANT              | 191,042,334               | 139,905,369                               | 31,912,479                                  | 11,894,514                                   | 2,226,631                                   | 1,570,823  | 3,500,699                                       | 31,820                                 |
| 23 |  |                        |                           |   |   |  |   |  |   |  |
| 24 |  |                        |                           |   |   |  |   |  |   |  |
| 25 |  |                        | 917,781,491               | 642,610,926                               | 162,950,516                                 | 69,005,884                                   | 13,528,487                                  | 8,387,793  | 21,120,946                                      | 176,939                                |
| 26 |  |                        |                           |   |   |  |   |  |   |  |
| 27 |  |                        |                           |   |   |  |   |  |   |  |

|             | Rate Base - 13-mth average attrition period ended | 12/31/2021<br>ALLOC | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2 | Interruptible<br>Transportation<br>Rate 314<br>(10) | (11) | (12) | (13) | (14) | (15) | (16) |
|-------------|---|---------------------|---|---|------|------|------|------|------|------|
|             | DEVELOPMENT OF RATE BASE CONTINUED                |                     | (9)-2   | (10)  | (11) | (12) | (13) | (14) | (13) | (10) |
| 1           | ADDITIONS AND DEDUCTIONS TO PLANT IN SE           | RVICE               |   |   |      |      |      |      |      |      |
| 2<br>3<br>4 | LESS: UNAMORTIZED INVESTMENT TAX CREDI            | I1PLANT             | 0   | 0   |      |      |      |      |      |      |
| 5           | PLUS: ALLOWANCE FOR WORKING CAPITAL               |                     |   |   |      |      |      |      |      |      |
| 6           | Requirement for Lead Lag                          | EXPOOM              | 1,364   | 166,737   |      |      |      |      |      |      |
| 7           | Cash Working Funds                                | PLANT               | (66)  | (4,498)   |      |      |      |      |      |      |
| 8           | Materials and Supplies                            | PLANT               | 20  | 1,363   |      |      |      |      |      |      |
| 9           | Gas Inventories                                   | ENESTOR             | 0   | 0   |      |      |      |      |      |      |
| 10          | Deferred Debits                                   | PLANT               | 1,374   | 93,436  |      |      |      |      |      |      |
| 11          |   | PLANT               | 17  | 1,171   |      |      |      |      |      |      |
| 12          | Pension and OPEB                                  | LABOR               | 2,584   | 247,126   |      |      |      |      |      |      |
| 13          |   | PLANT               | 15  | 1,037   |      |      |      |      |      |      |
| 14          | Accounts Payable applicable to CWIP               | CWIP                | (1,082)   | (81,505)  |      |      |      |      |      |      |
| 15          | Accounts Payable applicable to Materials & Suppli | i∈LABOR             | (3)   | (269)   |      |      |      |      |      |      |
| 16          | Customer Deposits                                 | CUSTDEP             | 0   | 0   |      |      |      |      |      |      |
| 17          |   | CUSTDEP             | 0   | 0   |      |      |      |      |      |      |
| 18          | Accrued Vacation                                  | LABOR               | (319)   | (30,508)  |      |      |      |      |      |      |
| 19          | TOTAL ALLOWANCE FOR WORKING CAPITAL               |                     | 3,906   | 394,090   |      |      |      |      |      |      |
| 20          |   |                     |   |   |      |      |      |      |      |      |
| 21          |   |                     |   |   |      |      |      |      |      |      |
| 22          |   | N PLANT             | 22,769  | 1,548,054   |      |      |      |      |      |      |
| 23          |   |                     |   |   |      |      |      |      |      |      |
| 24          |   |                     |   |   |      |      |      |      |      |      |
| 25          |   |                     | 114,144   | 8,273,650   |      |      |      |      |      |      |
| 26          |   |                     |   |   |      |      |      |      |      |      |
| 27          |   |                     |   |   |      |      |      |      |      |      |
| 28          |   |                     |   |   |      |      |      |      |      |      |

|          | Rate Base - 13-mth average attrition period en | ided 12/31/2021 | TOTAL            | Residential<br>Service | Small General<br>Service | Medium General<br>Service | Large General<br>Service | Interruptible<br>Service | Firm Transportion<br>Service | Sales for<br>Resale |
|----------|--|-----------------|------------------|------------------------|--------------------------|---------------------------|--------------------------|--------------------------|------------------------------|---------------------|
|          |  | ALLOC           | COMPANY<br>(1)-1 | Rate 301<br>(2)        | Rate 302<br>(3)          | Rate 352<br>(4)           | Rate 303<br>(5)          | Rates 304 & 314<br>(6)   | Rate 313<br>(7)              | Rate 310<br>(8)     |
|          | OPERATING REVENUES                             |                 | (., .            | (=/                    | (5)                      | ( - /                     | (0)                      | (0)                      | (.,                          | (0)                 |
| 1        | GAS OPERATING REVENUES                         |                 |                  |                        |                          |                           |                          |                          |                              |                     |
| 2        | SALES OF GAS REVENUE                           |                 |                  |                        |                          |                           |                          |                          |                              |                     |
| 4        | Base Sales Revenue (Includes IM Rev)           |                 | 150,271,383      | 89,404,673             | 36,888,924               | 10,714,751                | 2,336,139                | 5,857,669                | 5,042,452                    | 26,773              |
| 5        | Gas Cost Revenue                               | EGASCOST        | 61,472,261       | 35,432,842             | 16,295,472               | 6,102,937                 | 2,242,315                | 50,069                   | 1,327,594                    | 21,031              |
| 6        | SALES OF GAS REVENUE                           |                 | 211,743,643      | 124,837,515            | 53,184,397               | 16,817,689                | 4,578,455                | 5,907,738                | 6,370,046                    | 47,805              |
| 7<br>8   | Unprotected Excess ADIT Refund                 | EXADITREF       | (9,333,186)      | (5,466,685)            | (2,195,895)              | (822,401)                 | (54,605)                 | (648,888)                | (144,065)                    | (648)               |
| 9        | Minimum Margin Agreement Revenue               | REVMMA          | 252,305          | (5,400,005)            | (2,100,000)              | (022,401)                 | 13,505                   | (0-10,000)               | 238,800                      | (0-0)               |
| 10       |  | PLANT           | 259,159          | 189,789                | 43,291                   | 16,136                    | 3,021                    | 2,131                    | 4,749                        | 43                  |
| 11       |  |                 | ,                | ,                      | ,                        | ,                         | ,                        | ,                        | ,                            |                     |
| 12<br>13 | TOTAL SALES REVENUE                            |                 | 202,921,922      | 119,560,619            | 51,031,793               | 16,011,423                | 4,540,375                | 5,260,981                | 6,469,530                    | 47,200              |
| 14       |  |                 |                  |                        |                          |                           |                          |                          |                              |                     |
| 15       | 487-Discounts Earn/Lost                        | EXP 904         | 816,982          | 657,563                | 136,261                  | 5,543                     | 0                        | 1,967                    | 15,647                       | 0                   |
| 16       | 488-Miscellaneous Service Revenue              | DISTPLT         | 260,828          | 202,707                | 36,770                   | 13,498                    | 1,833                    | 2,984                    | 2,992                        | 45                  |
| 17       | 493-Rent from Gas Properties                   | PLANT           | 42,467           | 31,099                 | 7,094                    | 2,644                     | 495                      | 349                      | 778                          | 7                   |
| 18       | TOTAL OTHER OPERATING REV                      |                 | 1,120,276        | 891,369                | 180,124                  | 21,686                    | 2,328                    | 5,300                    | 19,417                       | 52                  |
| 19       |  |                 |                  |                        |                          |                           |                          |                          |                              |                     |
| 20       | TOTAL GAS OPERATING REVENUE                    |                 | 204,042,198      | 120,451,988            | 51,211,917               | 16,033,109                | 4,542,703                | 5,266,281                | 6,488,947                    | 47,252              |
| 21       |  |                 |                  |                        |                          |                           |                          |                          |                              |                     |

|                            | Rate Base - 13-mth average attrition period end   | ed 12/31/2021                | Interruptible<br>Sales Service | Interruptible Transportation   |      |      |      |      |      |      |
|----------------------------|---|------------------------------|--------------------------------|--------------------------------|------|------|------|------|------|------|
|                            |   | ALLOC                        | Rate 304<br>(9)-2              | Rate 314<br>(10)               | (11) | (12) | (13) | (14) | (15) | (16) |
|                            | OPERATING REVENUES  |                              | (5) 2                          | (10)                           | (11) | (12) | (13) | (,   | (10) | (10) |
| 1<br>2                     | GAS OPERATING REVENUES  |                              |                                |                                |      |      |      |      |      |      |
| 3<br>4<br>5<br>6<br>7      | SALES OF GAS REVENUE<br>Base Sales Revenue (Includes IM Rev)<br>Gas Cost Revenue<br>SALES OF GAS REVENUE                                  | EGASCOST                     | 46,672<br>50,069<br>96,741     | 5,810,997<br>0<br>5,810,997    |      |      |      |      |      |      |
| 8<br>9<br>10<br>11         | Unprotected Excess ADIT Refund<br>Minimum Margin Agreement Revenue<br>Special Contract Transportation                                     | EXADITREF<br>REVMMA<br>PLANT | (1,739)<br>0<br>31             | (647,148)<br>0<br>2,100        |      |      |      |      |      |      |
| 12<br>13                   |   |                              | 95,032                         | 5,165,949                      |      |      |      |      |      |      |
| 14<br>15<br>16<br>17<br>18 | OTHER OPERATING REVENUES 487-Discounts Earn/Lost 488-Miscellaneous Service Revenue 493-Rent from Gas Properties TOTAL OTHER OPERATING REV | EXP_904<br>DISTPLT<br>PLANT  | 0<br>44<br>5<br>49             | 1,967<br>2,939<br>344<br>5,251 |      |      |      |      |      |      |
| 20<br>21<br>22<br>23       | TOTAL GAS OPERATING REVENUE   |                              | 95,081                         | 5,171,199                      |      |      |      |      |      |      |

|  | Rate Base - 13-mth average attrition period ended  | 12/31/2021<br>ALLOC                                  | TOTAL<br>COMPANY  | Residential<br>Service<br>Rate 301  | Small General<br>Service<br>Rate 302                               | Medium General<br>Service<br>Rate 352                           | Large General<br>Service<br>Rate 303                     | Interruptible<br>Service<br>Rates 304 & 314       | Firm Transportion<br>Service<br>Rate 313                     | Sales for<br>Resale<br>Rate 310        |
|--|--|--|---|---|--|---|--|---|--|--|
|  | OPERATING EXPENSES   |  | (1)-1   | (2)   | (3)  | (4)   | (5)  | (6)   | (7)  | (8)                                    |
|  | OI ENATING EXI ENGES   |  |   |   |  |   |  |   |  |  |
| 1<br>2   | OPERATION AND MAINTENANCE EXPENSES   |  |   |   |  |   |  |   |  |  |
| 3  | 804-Natural Gas City Gate Purchase Expense   | EGASCOST   | 61,472,261  | 35,432,842  | 16,295,473   | 6,102,937   | 2,242,315  | 50,069  | 1,327,594  | 21,031                                 |
| 5<br>6<br>7<br>8<br>9                              |  | ESALES<br>ESALES                                     | 79,895<br>121,277<br>201,172  | 30,901<br>46,907<br>77,808  | 14,211<br>21,572<br>35,784   | 5,322<br>8,079<br>13,402  | 1,897<br>2,880<br>4,778                                  | 22,548<br>34,228<br>56,776                        | 5,006<br>7,599<br>12,605                                     | 7<br>11<br>19                          |
| 11<br>12   | 843-Maint Other Storage Equip TOTAL OTHER STORAGE EXPENSE  | STORPLT<br>STORPLT                                   | (15,658)<br>45,090<br>29,432  | (10,365)<br>29,848<br>19,483  | (3,562)<br>10,258<br>6,696   | (1,399)<br>4,027<br>2,629                                       | (330)<br>950<br>620                                      | 0<br>0<br>0                                       | 0<br>0<br>0  | (2)<br>7<br>5                          |
| 15<br>16<br>17<br>18<br>19<br>20<br>21             | 846-Operation Other LNG Expenses<br>TOTAL LNG TERMINALING AND PROCESSING E   | STORPLT<br>STORPLT                                   | 45,671<br>503,884<br>549,555  | 30,233<br>333,554<br>363,787  | 10,390<br>114,633<br>125,023                                       | 4,079<br>45,004<br>49,084                                       | 962<br>10,612<br>11,574                                  | 0<br>0<br>0                                       | 0<br>0<br>0  | 7<br>80<br>87                          |
| 22<br>23<br>24<br>25<br>26<br>27<br>28             | 851-System Control & Load Dispatch<br>853-Compressor Station Labor & Exp<br>856-Mains Expenses<br>859-Other Expenses-Trans<br>TOTAL OPERATION  | TRANPLT<br>TRANPLT<br>DEMTRANM<br>TRANPLT            | 142,369<br>166,533<br>39,990<br>15,246<br>364,138                           | 88,731<br>103,790<br>23,222<br>9,502<br>225,245                           | 32,131<br>37,584<br>8,409<br>3,441<br>81,565                       | 12,500<br>14,621<br>3,271<br>1,339<br>31,731                    | 3,236<br>3,785<br>847<br>347<br>8,215                    | 0<br>0<br>2,730<br>0<br>2,730                     | 5,750<br>6,726<br>1,505<br>616<br>14,597                     | 22<br>25<br>6<br>2<br>55               |
| 29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37 | 861-Maintenance Supv & Eng-Tran<br>862-Maint Struct & Improve-Tran<br>863-Transm-Maint of Mains<br>864-Maint Compressor Sta Eq-Tran<br>865-Maint of M & R Station Eq-Tran<br>TOTAL MAINTENANCE<br>TOTAL TRANSMISSION EXPENSE | TRANPLT<br>TRANPLT<br>DEMTRANM<br>TRANPLT<br>TRANPLT | 27,400<br>11,226<br>2,574,623<br>88,046<br>15,133<br>2,716,427<br>3,080,565 | 17,077<br>6,996<br>1,495,082<br>54,874<br>9,431<br>1,583,461<br>1,808,706 | 6,184<br>2,533<br>541,397<br>19,871<br>3,415<br>573,401<br>654,966 | 2,406<br>986<br>210,618<br>7,730<br>1,329<br>223,068<br>254,799 | 623<br>255<br>54,527<br>2,001<br>344<br>57,751<br>65,966 | 0<br>0<br>175,744<br>0<br>0<br>175,744<br>178,474 | 1,107<br>453<br>96,891<br>3,556<br>611<br>102,618<br>117,215 | 4<br>2<br>363<br>13<br>2<br>385<br>439 |

|          | Rate Base - 13-mth average attrition period ende | d 12/31/2021<br>ALLOC | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2 | Interruptible<br>Transportation<br>Rate 314<br>(10) | (11) | (12) | (13) | (14) | (15) | (16) |
|----------|--|-----------------------|---|---|------|------|------|------|------|------|
|          | OPERATING EXPENSES                               |                       | (9)-2   | (10)  | (11) | (12) | (13) | (14) | (13) | (10) |
| 1        | 0  |                       |   |   |      |      |      |      |      |      |
|          | 8 804-Natural Gas City Gate Purchase Expense     | EGASCOST              | 50,069  | 0   |      |      |      |      |      |      |
| 5        | OTHER PURCHASED GAS EXPENSE                      |                       |   |   |      |      |      |      |      |      |
| 6        |  | ESALES                | 60  | 22,488  |      |      |      |      |      |      |
| 7        | 807-Gas Purchased Expenses                       | ESALES                | 92  | 34,136  |      |      |      |      |      |      |
| 8<br>9   |  |                       | 152   | 56,624  |      |      |      |      |      |      |
| 10       | O OTHER STORAGE EXPENSE                          |                       |   |   |      |      |      |      |      |      |
| 11       | 1 840-Operation Supv & Eng                       | STORPLT               | 0   | 0   |      |      |      |      |      |      |
| 12       | 2 843-Maint Other Storage Equip                  | STORPLT               | 0   | 0   |      |      |      |      |      |      |
| 13<br>14 | 3 TOTAL OTHER STORAGE EXPENSE<br>4               |                       | 0   | 0   |      |      |      |      |      |      |
| 15       | 5 LNG TERMINALING AND PROCESSING EXPEN           | NSES                  |   |   |      |      |      |      |      |      |
| 16       | 6 844-Operation Supv & Eng Exp                   | STORPLT               | 0   | 0   |      |      |      |      |      |      |
| 17       | 7 846-Operation Other LNG Expenses               | STORPLT               | 0   | 0   |      |      |      |      |      |      |
|          | 8 TOTAL LNG TERMINALING AND PROCESSING           | EXPENSES              | 0   | 0   |      |      |      |      |      |      |
| 19       |  |                       |   |   |      |      |      |      |      |      |
| 20       |  |                       |   |   |      |      |      |      |      |      |
|          | 1 TRANSMISSION EXPENSE                           |                       |   |   |      |      |      |      |      |      |
| 22       |  | TDANIDLE              | 0   | 0   |      |      |      |      |      |      |
| 23       |  | TRANPLT<br>TRANPLT    | 0   | 0   |      |      |      |      |      |      |
| 24       |  | DEMTRANM              | 7   | 2,722   |      |      |      |      |      |      |
| 25<br>26 | •  | TRANPLT               | 0   | 2,722   |      |      |      |      |      |      |
| 27       |  | INANELI               | 7   | 2,722   |      |      |      |      |      |      |
| 28       |  |                       | '   | 2,122   |      |      |      |      |      |      |
| 29       |  | TRANPLT               | 0   | 0   |      |      |      |      |      |      |
| 30       |  | TRANPLT               | 0   | 0   |      |      |      |      |      |      |
| 31       | •  | DEMTRANM              | 471   | 175,273   |      |      |      |      |      |      |
| 32       |  | TRANPLT               | 0   | 0   |      |      |      |      |      |      |
| 33       |  | TRANPLT               | 0   | 0   |      |      |      |      |      |      |
| 34       | •  |                       | 471   | 175,273   |      |      |      |      |      |      |
|          | 5 TOTAL TRANSMISSION EXPENSE                     |                       | 478   | 177,995   |      |      |      |      |      |      |
| 36       |  |                       |   | ,   |      |      |      |      |      |      |
| 37       |  |                       |   |   |      |      |      |      |      |      |
| 38       | 8  |                       |   |   |      |      |      |      |      |      |
| 39       | 9  |                       |   |   |      |      |      |      |      |      |
| 40       | 0  |                       |   |   |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period en   | ded 12/31/2021<br>ALLOC  | TOTAL<br>COMPANY<br>(1)-1   | Residential<br>Service<br>Rate 301<br>(2)   | Small General<br>Service<br>Rate 302<br>(3)  | Medium General<br>Service<br>Rate 352<br>(4)   | Large General<br>Service<br>Rate 303<br>(5)   | Interruptible<br>Service<br>Rates 304 & 314<br>(6)                               | Firm Transportion<br>Service<br>Rate 313<br>(7)   | Sales for<br>Resale<br>Rate 310<br>(8)                      |
|--|--|---|---|--|--|---|--|---|---|
| OPERATING EXPENSES CONTINUED   |  | (1)   | (2)   | (5)  | (4)  | (5)   | (0)  | (1)   | (0)   |
| 1 OTHER OPERATION AND MAINT. EXP. CON  | ITINUED  |   |   |  |  |   |  |   |   |
| 3 DISTRIBUTION EXPENSE 4 OPERATION   |  |   |   |  |  |   |  |   |   |
| 5 870-Distribution Sys Ops-Supv/Eng 6 871-Distribution Load Dispatching 7 874-Mains and Services 8 875-Measuring and Reg Stations-Ge 9 878-Meter and House Regulator Exp 10 879-Customer Installation Expense 11 880-Gas Distribution-Other Expense 12 TOTAL OPERATION EXPENSE 13 MAINTENANCE 14 885-Maint Dist Sys Fac- Supv/Engr 15 887-Maintenance of Mains | TLABDO DEMAVG PLT_37680 PLT_37879 PLT_38185 PLT_37879 EXP_8719  TLABDM PLT_376 | 41,908<br>97,124<br>3,489,421<br>32,750<br>429,911<br>258,169<br>883,027<br>5,232,311<br>140,497<br>1,204,743 | 30,328<br>37,565<br>2,745,806<br>20,411<br>316,961<br>160,902<br>680,389<br>3,992,363<br>100,895<br>902,773 | 7,773<br>17,276<br>463,092<br>7,391<br>86,101<br>58,266<br>128,954<br>768,853<br>24,329<br>157,298 | 2,321<br>6,470<br>178,624<br>2,875<br>16,783<br>22,667<br>46,340<br>276,080<br>9,382<br>91,669 | 445<br>2,307<br>22,317<br>744<br>2,788<br>5,868<br>6,652<br>41,122<br>1,651<br>11,541 | 287<br>27,411<br>42,858<br>0<br>2,980<br>0<br>9,614<br>83,149<br>1,440<br>22,494 | 744<br>6,086<br>36,177<br>1,323<br>4,142<br>10,427<br>10,921<br>69,819<br>2,767<br>18,680 | 10<br>9<br>547<br>5<br>157<br>39<br>157<br>924<br>34<br>288 |
| 16 889-Maint-Meas/Reg Stn Equip-Gas 17 890-Maint-Meas/Reg Stn Eq-Indus 18 891-Maint M&R Equip City Gate 19 892-Maintenance of Services 20 893-Maint - Meters and House Reg 21 894-Maint-Other Distribution Equip 22 TOTAL MAINTENANCE EXPENSE 23 TOTAL DISTRIBUTION EXPENSE 24   | PLT_37879<br>PLT_37879<br>PLT_37879<br>PLT_380<br>PLT_38185<br>PLT_37879       | 384,635<br>7,442<br>115<br>562,167<br>184,031<br>(2,867)<br>2,480,763<br>7,713,073                            | 239,721<br>4,638<br>71<br>479,191<br>135,681<br>(1,787)<br>1,861,183<br>5,853,546                           | 86,807<br>1,680<br>26<br>76,713<br>36,857<br>(647)<br>383,063<br>1,151,917                         | 33,770<br>653<br>10<br>4,355<br>7,184<br>(252)<br>146,772<br>422,852                           | 8,743<br>169<br>3<br>472<br>1,193<br>(65)<br>23,707<br>64,829                         | 0<br>0<br>639<br>1,276<br>0<br>25,848<br>108,997                                 | 15,535<br>301<br>5<br>789<br>1,773<br>(116)<br>39,734<br>109,553                          | 58<br>1<br>0<br>7<br>67<br>(0)<br>456<br>1,380              |

|         | Rate Base - 13-mth average attrition period ended                      | d 12/31/2021           | Interruptible<br>Sales Service | Interruptible<br>Transportation |      |      |      |      |      |      |
|---------|--|------------------------|--------------------------------|---------------------------------|------|------|------|------|------|------|
|         |  | ALLOC                  | Rate 304<br>(9)-2              | Rate 314<br>(10)                | (11) | (12) | (13) | (14) | (15) | (16) |
|         | OPERATING EXPENSES CONTINUED   |                        |                                |                                 |      |      |      |      |      |      |
| 1       | OTHER OPERATION AND MAINT. EXP. CONTIN                                 | NUED                   |                                |                                 |      |      |      |      |      |      |
| 2       |  |                        |                                |                                 |      |      |      |      |      |      |
| 3       |  |                        |                                |                                 |      |      |      |      |      |      |
| 4       | OPERATION  |                        |                                |                                 |      |      |      |      |      |      |
| 5       | 870-Distribution Sys Ops-Supv/Eng                                      | TLABDO                 | 7                              | 280                             |      |      |      |      |      |      |
| 6       | 871-Distribution Load Dispatching                                      | DEMAVG                 | 73                             | 27,338                          |      |      |      |      |      |      |
| 7       | 874-Mains and Services   | PLT_37680              | 598                            | 42,260                          |      |      |      |      |      |      |
| 8       | 875-Measuring and Reg Stations-Ge                                      | PLT_37879              | 0                              | 0                               |      |      |      |      |      |      |
| 9<br>10 | 878-Meter and House Regulator Exp<br>879-Customer Installation Expense | PLT_38185<br>PLT 37879 | 104<br>0                       | 2,875<br>0                      |      |      |      |      |      |      |
| 11      | 880-Gas Distribution-Other Expense                                     | EXP 8719               | 147                            | 9,466                           |      |      |      |      |      |      |
| 12      |  | EAP_0/19               | 930                            | 82,219                          |      |      |      |      |      |      |
| 13      |  |                        | 930                            | 02,219                          |      |      |      |      |      |      |
| 14      | 885-Maint Dist Sys Fac- Supv/Engr                                      | TLABDM                 | 25                             | 1,415                           |      |      |      |      |      |      |
| 15      |  | PLT 376                | 298                            | 22,196                          |      |      |      |      |      |      |
| 16      |  | PLT 37879              | 0                              | 0                               |      |      |      |      |      |      |
| 17      | Ŭ , i  | PLT 37879              | 0                              | 0                               |      |      |      |      |      |      |
| 18      |  | PLT 37879              | 0                              | 0                               |      |      |      |      |      |      |
| 19      |  | PLT_380                | 22                             | 617                             |      |      |      |      |      |      |
| 20      | 893-Maint - Meters and House Reg                                       | PLT_38185              | 45                             | 1,231                           |      |      |      |      |      |      |
| 21      | 894-Maint-Other Distribution Equip                                     | PLT_37879              | 0                              | 0                               |      |      |      |      |      |      |
| 22      |  |                        | 390                            | 25,458                          |      |      |      |      |      |      |
| 23      |  |                        | 1,320                          | 107,677                         |      |      |      |      |      |      |
| 24      |  |                        |                                |                                 |      |      |      |      |      |      |
| 25      |  |                        |                                |                                 |      |      |      |      |      |      |
| 26      |  |                        |                                |                                 |      |      |      |      |      |      |
| 27      |  |                        |                                |                                 |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ende                                | ed 12/31/2021<br>ALLOC | TOTAL<br>COMPANY<br>(1)-1 | Residential<br>Service<br>Rate 301<br>(2) | Small General<br>Service<br>Rate 302<br>(3) | Medium General<br>Service<br>Rate 352<br>(4) | Large General<br>Service<br>Rate 303<br>(5) | Interruptible<br>Service<br>Rates 304 & 314<br>(6) | Firm Transportion<br>Service<br>Rate 313<br>(7) | Sales for<br>Resale<br>Rate 310<br>(8) |
|---|------------------------|---------------------------|---|---|--|---|--|---|--|
| OPERATING EXPENSES CONTINUED  |                        | (1)-1                     | (2)                                       | (3)   | (4)  | (5)   | (0)  | (1)   | (0)                                    |
| 1 OTHER OPERATION AND MAINT. EXP. CONT  | INUED                  |                           |   |   |  |   |  |   |  |
| 2   |                        |                           |   |   |  |   |  |   |  |
| 3 CUSTOMER ACCOUNTS EXPENSE   |                        |                           |   |   |  |   |  |   |  |
| 4 901-Supervision-Cust Accts  | EXP_9024               | 2,823                     | 2,462                                     | 328   | 12   | 1   | 3  | 18  | 0                                      |
| 5 902-Meter Reading Expense   | CUST_902               | 7,076                     | 6,011                                     | 734   | 186  | 40  | 43   | 59  | 2                                      |
| 6 903-Cust Records and Collection Exp   |                        |                           |   |   |  |   |  |   |  |
| 7 Customer Records Exp  | CUST_903               | 1,240,599                 | 1,122,306                                 | 113,492                                     | 3,637  | 330   | 326  | 495   | 13                                     |
| 8 Customer Collections Exp  | EXP_904                | 193,302                   | 155,582                                   | 32,240                                      | 1,312  | 0   | 465  | 3,702   | 0                                      |
| 9 Total 903-Cust Records & Collections  |                        | 1,433,901                 | 1,277,888                                 | 145,732                                     | 4,949  | 330   | 792  | 4,197   | 13                                     |
| 10 903-Cust Collecting-Local Uncollectible Accts (                              |                        | 411,354                   | 331,086                                   | 68,608                                      | 2,791  | 0   | 991  | 7,879   | 0                                      |
| 11 905-Miscellaneous Customer Accounts Exp                                      | EXP_9024               | 679                       | 592                                       | 79  | 3  | 0   |  | 4   | 0                                      |
| 12 TOTAL CUSTOMER SERVICE EXPENSE   |                        | 1,855,833                 | 1,618,039                                 | 215,480                                     | 7,941  | 371   | 1,829  | 12,158  | 15                                     |
| 13  |                        |                           |   |   |  |   |  |   |  |
| 14 CUSTOMER SERVICE & INFO EXP  | OLIOT 040              | 4.040                     | 054                                       | 470   | 40   | 40  | 400  | 40  | 0                                      |
| 15 908-Cust Asst Expense  | CUST_910               | 1,318                     | 851                                       | 178   | 46   | 16  | 186  | 42  | 0                                      |
| 16 909-Misc Advertising Expenses  | CUST_909               | 134,377                   | 86,769                                    | 18,098                                      | 4,673  | 1,614                                       | 18,980<br>246                                      | 4,237   | /                                      |
| 17 910-Misc Cust Serv/Inform Exp  | CUST_910               | 1,743                     | 1,126                                     | 235   | 61   | 21  |  | 55  | 0                                      |
| 18 910.1-Exp-Rs Reg Prod/Svces-CstAccts 19 TOTAL CUST SERV & INFO LABOR EXPENSE | CUST_910               | (3,214)<br>134,224        | (2,075)<br>86,670                         | (433)                                       | (112)<br>4,668                               | (39)<br>1,612                               | (454)<br>18,959                                    | (101)<br>4,232                                  | (0)<br>7                               |
| 20  |                        | 134,224                   | 86,670                                    | 18,077                                      | 4,008  | 1,012                                       | 18,959   | 4,232   | 1                                      |
| 21 SALES EXPENSE  |                        |                           |   |   |  |   |  |   |  |
| 22 912-Demonstrating & Selling Expense  | CUST 912               | 268,603                   | 173,440                                   | 36,175                                      | 9,341  | 3,225                                       | 37,939   | 8,469   | 14                                     |
| 23 913-Advertising Expense  | CUST_912               | 46,492                    | 30,020                                    | 6,261                                       | 1,617  | 558   | 6,567  | 1,466   | 2                                      |
| 24 916-Miscellaneous Sales Expense  | CUST_916               | 21,225                    | 13,705                                    | 2,859                                       | 738  | 255   | 2,998  | 669   | 1                                      |
| 25 TOTAL SALES EXPENSE  | 3331_310               | 336,320                   | 217,166                                   | 45,295                                      | 11,695                                       | 4,039                                       | 47,504   | 10,604  | 17                                     |
| 26  |                        | 330,320                   | 217,100                                   | 40,200                                      | 11,055                                       | 4,000                                       | 77,004   | 10,004  | .,                                     |
| 20  |                        |                           |   |   |  |   |  |   |  |

| Rate Base - 13-mth average attrition period ende            | ed 12/31/2021 | Interruptible<br>Sales Service          | Interruptible<br>Transportation |         |      |      |      |      |      |
|---|---------------|---|---------------------------------|---------|------|------|------|------|------|
|   | ALLOC         | Rate 304<br>(9)-2                       | Rate 314 (10)                   | (11)    | (12) | (13) | (14) | (15) | (16) |
| OPERATING EXPENSES CONTINUED                                |               | (-) -                                   | (1-5)                           | ( · · / | (/   | (1-) | ( /  | (/   | (15) |
| 1 OTHER OPERATION AND MAINT. EXP. CONT                      | INUED         |   |                                 |         |      |      |      |      |      |
| 2 CHETOMED ACCOUNTS EVDENCE                                 |               |   |                                 |         |      |      |      |      |      |
| 3 CUSTOMER ACCOUNTS EXPENSE<br>4 901-Supervision-Cust Accts | EXP 9024      | 0                                       | 3                               |         |      |      |      |      |      |
| 5 902-Meter Reading Expense                                 | CUST 902      | 2                                       | 42                              |         |      |      |      |      |      |
| 6 903-Cust Records and Collection Exp                       | 0031_902      | 2                                       | 42                              |         |      |      |      |      |      |
| 7 Customer Records Exp                                      | CUST 903      | 13                                      | 314                             |         |      |      |      |      |      |
| 8 Customer Collections Exp                                  | EXP_904       | 0                                       | 465                             |         |      |      |      |      |      |
| 9 Total 903-Cust Records & Collections                      | LXI _304      | 13                                      | 779                             |         |      |      |      |      |      |
| 10 903-Cust Collecting-Local Uncollectible Accts (          | (904) LINCOLI | 0                                       | 991                             |         |      |      |      |      |      |
| 11 905-Miscellaneous Customer Accounts Exp                  | EXP 9024      | Ő                                       | 1                               |         |      |      |      |      |      |
| 12 TOTAL CUSTOMER SERVICE EXPENSE                           | E/(I _002 I   | 14                                      | 1,815                           |         |      |      |      |      |      |
| 13  |               | • | 1,010                           |         |      |      |      |      |      |
| 14 CUSTOMER SERVICE & INFO EXP                              |               |   |                                 |         |      |      |      |      |      |
| 15 908-Cust Asst Expense                                    | CUST 910      | 1                                       | 186                             |         |      |      |      |      |      |
| 16 909-Misc Advertising Expenses                            | CUST 909      | 52                                      | 18,929                          |         |      |      |      |      |      |
| 17 910-Misc Cust Serv/Inform Exp                            | CUST 910      | 1                                       | 246                             |         |      |      |      |      |      |
| 18 910.1-Exp-Rs Reg Prod/Svces-CstAccts                     | CUST 910      | (1)                                     | (453)                           |         |      |      |      |      |      |
| 19 TOTAL CUST SERV & INFO LABOR EXPENSE                     |               | 51                                      | 18,907                          |         |      |      |      |      |      |
| 20  |               |   |                                 |         |      |      |      |      |      |
| 21 SALES EXPENSE  |               |   |                                 |         |      |      |      |      |      |
| 22 912-Demonstrating & Selling Expense                      | CUST_912      | 103                                     | 37,836                          |         |      |      |      |      |      |
| 23 913-Advertising Expense                                  | CUST_913      | 18                                      | 6,549                           |         |      |      |      |      |      |
| 24 916-Miscellaneous Sales Expense                          | CUST_916      | 8                                       | 2,990                           |         |      |      |      |      |      |
| 25 TOTAL SALES EXPENSE                                      |               | 129                                     | 47,375                          |         |      |      |      |      |      |
| 26  |               |   |                                 |         |      |      |      |      |      |
| 27  |               |   |                                 |         |      |      |      |      |      |
| 28  |               |   |                                 |         |      |      |      |      |      |
| 29  |               |   |                                 |         |      |      |      |      |      |

| F        | Rate Base - 13-mth average attrition period ended 12/31/2021  ALLOC |                  | TOTAL<br>COMPANY | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium General<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 |
|----------|---|------------------|------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|--|---------------------------------|
|          | OPERATING EXPENSES CONTINUED  |                  | (1)-1            | (2)                                | (3)                                  | (4)                                   | (5)                                  | (6)   | (7)                                      | (8)                             |
| 1 (      | OTHER OPERATION AND MAINT. EXP. CONT                                | INUED            |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 2        |   |                  |                  |                                    |                                      |                                       |                                      |   |  |                                 |
|          | ADMINISTRATIVE & GENERAL EXPENSE                                    |                  |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 4        | OPERATION   | LADODD           | 00 000 050       | 45.050.007                         | 0.050.504                            | 4 404 004                             | 000 400                              | 000.040                                     | 000 700                                  | 0.040                           |
| 5<br>6   | 920-A & G Salaries  | LABORP<br>LABORP | 20,993,950       | 15,350,067                         | 3,650,591                            | 1,124,861<br>229,627                  | 226,486<br>46,234                    | 268,212                                     | 369,789                                  | 3,943                           |
| 7        | 921-Office Supplies and Expenses<br>922-Admin Exp Transfer - CREDIT | LABORP           | 4,285,665<br>291 | 3,133,534<br>213                   | 745,225<br>51                        | 229,627                               | 46,∠34<br>3                          | 54,752<br>4                                 | 75,488<br>5                              | 805<br>0                        |
| 8        | 923-Outside Services Employed                                       | LABORP           | 3,243,751        | 2,371,721                          | 564,049                              | 173,801                               | 34,994                               | 41.441                                      | 57,136                                   | 609                             |
| 9        | 924-Property Insurance  | PLANT            | 165,633          | 121,297                            | 27,668                               | 10,312                                | 1,930                                | 1,362                                       | 3,035                                    | 28                              |
| 10       | 925-Injuries and Damages  | LABORP           | 632,130          | 462,192                            | 109,920                              | 33,870                                | 6,820                                | 8.076                                       | 11,134                                   | 119                             |
| 11       | 926-Employee Pensions and Benefits                                  | LABORP           | 7,725,365        | 5,648,526                          | 1,343,347                            | 413,927                               | 83,342                               | 98,697                                      | 136,075                                  | 1,451                           |
| 12       | 928-Regulatory Commission Expenses                                  | REVCLAIM         | 2,603,164        | 1,856,319                          | 458,078                              | 172,381                               | 32,012                               | 36,696                                      | 47,218                                   | 460                             |
| 14       | 930-Misc General Expenses   | LABORP           | 1,549,192        | 1,132,717                          | 269,386                              | 83,006                                | 16,713                               | 19,792                                      | 27,288                                   | 291                             |
| 15       | 931-Rents   | LABORP           | 2,230,306        | 1,630,724                          | 387,823                              | 119,500                               | 24,061                               | 28,494                                      | 39,285                                   | 419                             |
| 16       | TOTAL OPERATION EXPENSE   |                  | 43,429,449       | 31,707,310                         | 7,556,137                            | 2,361,302                             | 472,596                              | 557,525                                     | 766,453                                  | 8,125                           |
| 17       | MAINTENANCE   |                  | , ,              | , ,                                | , ,                                  | , ,                                   | ,                                    | ,   | ,  | ,                               |
| 18       | 932&935-Maintenance of General Plant                                | GENPLT           | 33,038           | 24,156                             | 5,745                                | 1,770                                 | 356                                  | 422   | 582                                      | 6                               |
| 19       |   |                  |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 20       | TOTAL ADMINISTRATIVE & GENERAL EXPEN                                | NSE              | 43,462,487       | 31,731,467                         | 7,561,882                            | 2,363,072                             | 472,953                              | 557,947                                     | 767,035                                  | 8,131                           |
| 21       |   |                  |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 22       |   |                  |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 23       |   |                  |                  |                                    |                                      |                                       |                                      |   |  |                                 |
|          | COST OF GAS   |                  | 61,472,261       | 35,432,842                         | 16,295,473                           | 6,102,937                             | 2,242,315                            | 50,069                                      | 1,327,594                                | 21,031                          |
|          | OTHER OPERATION AND MAINTENANCE EX                                  | PENSE            |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 26       | TOTAL OTHER OPERATION EXPENSE                                       |                  | 52,087,344       | 38,278,022                         | 8,842,653                            | 2,754,504                             | 543,977                              | 768,472                                     | 890,469                                  | 9,246                           |
| 27       | TOTAL OTHER MAINTENANCE EXPENSE                                     |                  | 5,275,318        | 3,498,649                          | 972,467                              | 375,637                               | 82,764                               | 202,013                                     | 142,934                                  | 854                             |
|          | TOTAL OTHER OPER. & MAINT. EXP.                                     |                  | 57,362,662       | 41,776,671                         | 9,815,120                            | 3,130,141                             | 626,741                              | 970,485                                     | 1,033,403                                | 10,100                          |
| 29       | TOTAL OAD OPERATION & MAINTENIANCE F                                | VDENOE           | 440.004.000      | 77 000 540                         | 00 440 500                           | 0.000.070                             | 0.000.050                            | 4 000 554                                   | 0.000.007                                | 04.404                          |
|          | TOTAL GAS OPERATION & MAINTENANCE E                                 | XPENSE           | 118,834,923      | 77,209,513                         | 26,110,592                           | 9,233,078                             | 2,869,056                            | 1,020,554                                   | 2,360,997                                | 31,131                          |
| 31<br>32 |   |                  |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 32       |   |                  |                  |                                    |                                      |                                       |                                      |   |  |                                 |

|          | Rate Base - 13-mth average attrition period ended               | 12/31/2021         | Interruptible<br>Sales Service | Interruptible                      |         |      |      |      |      |       |
|----------|---|--------------------|--------------------------------|------------------------------------|---------|------|------|------|------|-------|
|          |   | ALLOC              | Rate 304<br>(9)-2              | Transportation<br>Rate 314<br>(10) | (11)    | (12) | (13) | (14) | (15) | (16)  |
|          | OPERATING EXPENSES CONTINUED                                    |                    | (-) -                          | (15)                               | ( · · / | (-=/ | (15) | ( /  | (12) | (1-5) |
|          | OTHER OPERATION AND MAINT. EXP. CONTIN                          | IUED               |                                |                                    |         |      |      |      |      |       |
| 2        | ADMINISTRATIVE & GENERAL EXPENSE                                |                    |                                |                                    |         |      |      |      |      |       |
| 4        | OPERATION   |                    |                                |                                    |         |      |      |      |      |       |
| 5        | 920-A & G Salaries  | LABORP             | 2,776                          | 265,436                            |         |      |      |      |      |       |
| 6        | 921-Office Supplies and Expenses                                | LABORP             | 567                            | 54,186                             |         |      |      |      |      |       |
| 7        | 922-Admin Exp Transfer - CREDIT                                 | LABORP             | 0                              | 4                                  |         |      |      |      |      |       |
| 8        | 923-Outside Services Employed                                   | LABORP             | 429                            | 41,012                             |         |      |      |      |      |       |
| 9        | 924-Property Insurance  | PLANT              | 20                             | 1,342                              |         |      |      |      |      |       |
| 10       | 925-Injuries and Damages  | LABORP             | 84                             | 7,992                              |         |      |      |      |      |       |
| 11       | 926-Employee Pensions and Benefits                              | LABORP             | 1,022<br>331                   | 97,675                             |         |      |      |      |      |       |
| 12<br>14 | 928-Regulatory Commission Expenses<br>930-Misc General Expenses | REVCLAIM<br>LABORP | 205                            | 36,364<br>19,587                   |         |      |      |      |      |       |
| 15       | 931-Rents   | LABORP             | 205                            | 28,199                             |         |      |      |      |      |       |
| 16       | TOTAL OPERATION EXPENSE   | LABORP             | 5,727                          | 551,798                            |         |      |      |      |      |       |
| 17       | MAINTENANCE   |                    | 5,121                          | 551,790                            |         |      |      |      |      |       |
| 18       | 932&935-Maintenance of General Plant                            | GENPLT             | 4                              | 418                                |         |      |      |      |      |       |
| 19       | 3320333-Maintenance of General Flant                            | OLIVI LI           | 7                              | 410                                |         |      |      |      |      |       |
|          | TOTAL ADMINISTRATIVE & GENERAL EXPENSI                          | E                  | 5,732                          | 552,216                            |         |      |      |      |      |       |
| 21       |   |                    | -,                             |                                    |         |      |      |      |      |       |
| 22       |   |                    |                                |                                    |         |      |      |      |      |       |
| 23       |   |                    |                                |                                    |         |      |      |      |      |       |
| 24       | COST OF GAS   |                    | 50,069                         | 0                                  |         |      |      |      |      |       |
| 25       | OTHER OPERATION AND MAINTENANCE EXPE                            | ENSE               |                                |                                    |         |      |      |      |      |       |
| 26       | TOTAL OTHER OPERATION EXPENSE                                   |                    | 7,012                          | 761,460                            |         |      |      |      |      |       |
| 27       | TOTAL OTHER MAINTENANCE EXPENSE                                 |                    | 865                            | 201,148                            |         |      |      |      |      |       |
|          | TOTAL OTHER OPER. & MAINT. EXP.                                 |                    | 7,877                          | 962,608                            |         |      |      |      |      |       |
| 29       |   |                    |                                |                                    |         |      |      |      |      |       |
|          | TOTAL GAS OPERATION & MAINTENANCE EXP                           | PENSE              | 57,946                         | 962,608                            |         |      |      |      |      |       |
| 31       |   |                    |                                |                                    |         |      |      |      |      |       |
| 32       |   |                    |                                |                                    |         |      |      |      |      |       |
| 33       |   |                    |                                |                                    |         |      |      |      |      |       |
| 34       |   |                    |                                |                                    |         |      |      |      |      |       |
| 35       |   |                    |                                |                                    |         |      |      |      |      |       |
| 36       |   |                    |                                |                                    |         |      |      |      |      |       |
| 37       |   |                    |                                |                                    |         |      |      |      |      |       |

| Firm Transportion Sales for Service Resale Rate 313 Rate 310 | Service<br>Rates 304 & 314                                  | Large General<br>Service<br>Rate 303                       | Medium General<br>Service<br>Rate 352                        | Small General<br>Service<br>Rate 302                                  | Residential<br>Service<br>Rate 301  | TOTAL<br>COMPANY  | Rate Base - 13-mth average attrition period ended 12/31/2021  ALLOC |   |
|--|---|--|--|---|---|---|---|---|
| (7) (8)  | (6)   | (5)  | (4)  | (3)   | (2)   | (1)-1   |   | OPERATING EXPENSES CONTINUED  |
|  |   |  |  |   |   |   |   | 1 DEPRECIATION EXPENSE  |
| 58,470 531   | 26,237  | 37,190   | 198,668  | 533,018   | 2,336,769   | 3,190,884   | INTANPLT  | <ul><li>2 Intangilbe Plant Expense</li><li>3</li></ul>  |
| 0 365  | 0   | 48,371   | 205,128  | 522,492   | 1,520,324   | 2,296,680   | STORPLT   | 4 Other Storage Plant Expense 5   |
| 215,748 809  | 0   | 121,417  | 468,986  | 1,205,539   | 3,329,126   | 5,341,625   | TRANPLT   | 6 Transmission Plant Expense  |
| 4.450  |   | 0.005  | 0.004  | 00.400  | 04.005  | 100 745   | DI T. 07.175  | 8 Distribution Plant Expense  |
| 4,150 16   | 0   | 2,335  | 9,021  | 23,188  | 64,035  | 102,745   | _   | 9 374 & 375 - Land Rights & Structures and Impro  |
| 139,813 2,157  | 168,354   | 86,382   | 686,098  | 1,177,303   | 6,756,843   | 9,016,949   | PLT_376   | 10 376 - Mains  |
| 30,570 115   | 0   | 17,204   | 66,452   | 170,815   | 471,711   | 756,866   | PLT_37879   | 11 378 & 379 - M&R Equipment  |
| 12,106 112   | 9,802   | 7,249  | 66,840   | 1,177,299   | 7,354,019   | 8,627,427   | PLT_380   | 12 380-Services   |
| 24,898 942   | 17,911  | 16,756   | 100,882  | 517,563   | 1,905,282   | 2,584,235   | PLT_38185   | 13 381-385 - Meters, House Regulators, & Install  |
| 211,537 3,341  | 196,067   | 129,926  | 929,293  | 3,066,168   | 16,551,890  | 21,088,222  |   | 14 TOTAL DISTRIBUTION PLANT EXPENSE 15  |
| 54,313 579   | 30 304  | 33 266   | 165 210  | 536 183   | 2 254 530   | 3 083 404   | GENDI T   |   |
| •  |   |  |  |   |   |   | GENELI  |   |
| 540,068 5,625  | 201,090   | 370,171  | 1,967,295  | 5,005,400   | 25,992,647  | 35,000,905  |   | 18  |
|  |   |  |  |   |   |   |   | 19  |
|  |   |  |  |   |   |   |   | 20 OTHER OPERATING EXPENSES   |
|  |   |  |  |   |   |   |   | 21  |
|  |   |  |  |   |   |   |   | 22 TAXES OTHER THAN INCOME TAXES  |
| 121,992 1,109  | 54 740  | 77 593   | 414 498  | 1 112 081   | 4 875 399   | 6 657 411   | PI ANT  |   |
| 56,084 510   |   |  |  |   |   |   |   |   |
| 26,669 284   | ,   | ,  |  | ,   | , ,   | , ,   |   |   |
|  |   |  |  |   |   |   |   |   |
| . ,  | , ,   | , ,  | , ,  | , , ,   |   |   | PLANT   |   |
| 204,621 1,902  | 99,194  | 129,521  | 685,765  | 1,885,497   | 8,218,894   | 11,225,394  |   |   |
| (93) (1)   | (42)  | (59)   | (316)  | (848)   | (3,718)   | (5,077)   | PLANT   | 29 INVESTMENT TAX CREDIT ADJUSTMENTS  |
| 107,910 214  | 130,309   | 34,798   | 112,391  | 516,135   | (61,523)  | 840,234   |   | 31 STATE INCOME TAXES   |
| 506,254 109  | 706,977   | 123,735  | 230,335  | 1,875,361   | (5,397,140)   | (1,954,368)   |   | 33 FEDERAL INCOME TAXES   |
| 2,392,164 17,950   | 2,168,622   | 1,284,908  | 6,125,611  | 19,954,665  | 70,525,831  | 102,469,750   |   | 35 TOTAL OPERATING EXPENSES   |
| 2,769,189 8,271  | 3,047,590   | 1,015,481  | 3,804,561  | 14,961,780  | 14,493,315  | 40,100,187  |   | 37 NET OPERATING INCOME   |
| 0 0  | ^   | ^  | 0  | 24 4 40   | 220 000   | 262.057   | CHETDED   |   |
|  |   |  |  | ,   | ,   |   |   |   |
| 54,997 500   | 24,678  | 34,981   | 186,865  | 501,351   | 2,197,939   | 3,001,310   | PLAN I  |   |
| 2,824,186 8,770  | 3,072,268   | 1,050,461  | 3,991,426  | 15,438,982  | 16,452,446  | 42,838,540  |   | 42 NET OPERATING INCOME FOR RETURN 43 44 45   |
|  | 130,309<br>706,977<br>2,168,622<br>3,047,590<br>0<br>24,678 | 34,798<br>123,735<br>1,284,908<br>1,015,481<br>0<br>34,981 | 112,391<br>230,335<br>6,125,611<br>3,804,561<br>0<br>186,865 | 516,135<br>1,875,361<br>19,954,665<br>14,961,780<br>24,149<br>501,351 | (61,523)<br>(5,397,140)<br>70,525,831<br>14,493,315<br>238,808<br>2,197,939 | 840,234<br>(1,954,368)<br>102,469,750<br>40,100,187<br>262,957<br>3,001,310 | PLANT PLANT LABOR PLANT  PLANT  CUSTDEP PLANT                       | 16 General Plant Expense 17 TOTAL DEPRECIATION EXPENSE 18 19 20 OTHER OPERATING EXPENSES 21 22 TAXES OTHER THAN INCOME TAXES 23 Property Taxes 24 Franchise Taxes 25 Payroll Taxes 26 Other Taxes 27 TOTAL TAXES OTHER THAN INCOME TAXES 28 29 INVESTMENT TAX CREDIT ADJUSTMENTS 30 31 STATE INCOME TAXES 32 33 FEDERAL INCOME TAXES 34 35 TOTAL OPERATING EXPENSES 36 37 NET OPERATING INCOME 38 39 Less: Interest on Customer Deposits 40 Plus: AFUDC 41 42 NET OPERATING INCOME FOR RETURN 43 44 |

|          | Rate Base - 13-mth average attrition period ended | 12/31/2021<br>ALLOC | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2 | Interruptible<br>Transportation<br>Rate 314<br>(10) | (11) | (12) | (13) | (14)  | (15)  | (16) |
|----------|---|---------------------|---|---|------|------|------|-------|-------|------|
|          | OPERATING EXPENSES CONTINUED                      |                     | (-) -   | (15)  | (,   | ( /  | (1-) | (1.7) | (1-2) | (15) |
| 1        | DEPRECIATION EXPENSE                              |                     |   |   |      |      |      |       |       |      |
| 2        | Intangilbe Plant Expense                          | INTANPLT            | 380   | 25,856  |      |      |      |       |       |      |
| 4 5      | Other Storage Plant Expense                       | STORPLT             | 0   | 0   |      |      |      |       |       |      |
| 6<br>7   | Transmission Plant Expense                        | TRANPLT             | 0   | 0   |      |      |      |       |       |      |
| 8        | Distribution Plant Expense                        |                     |   |   |      |      |      |       |       |      |
| 9        | 374 & 375 - Land Rights & Structures and Impro    |                     | 0   | 0   |      |      |      |       |       |      |
| 10       |   | PLT_376             | 2,231   | 166,124   |      |      |      |       |       |      |
| 11       | • •   | PLT_37879           | 0   | 0   |      |      |      |       |       |      |
| 12       |   | PLT_380             | 337   | 9,465   |      |      |      |       |       |      |
| 13<br>14 | TOTAL DISTRIBUTION PLANT EXPENSE                  | PLT_38185           | 628<br>3,196  | 17,283<br>192,872                                   |      |      |      |       |       |      |
| 15       |   | OFNIDI T            | 400   | 00.007  |      |      |      |       |       |      |
| 16       |   | GENPLT              | 408   | 38,987  |      |      |      |       |       |      |
| 17<br>18 |   |                     | 3,984   | 257,714   |      |      |      |       |       |      |
| 19       |   |                     |   |   |      |      |      |       |       |      |
|          | OTHER OPERATING EXPENSES                          |                     |   |   |      |      |      |       |       |      |
| 21       |   |                     |   |   |      |      |      |       |       |      |
| 22       | TAXES OTHER THAN INCOME TAXES                     |                     |   |   |      |      |      |       |       |      |
| 23       | Property Taxes                                    | PLANT               | 793   | 53,946  |      |      |      |       |       |      |
| 24       | Franchise Taxes                                   | PLANT               | 365   | 24,801  |      |      |      |       |       |      |
| 25       | Payroll Taxes                                     | LABOR               | 200   | 19,143  |      |      |      |       |       |      |
| 26       | Other Taxes                                       | PLANT               | (1)   | (54)  |      |      |      |       |       |      |
| 27       | TOTAL TAXES OTHER THAN INCOME TAXES               |                     | 1,358   | 97,836  |      |      |      |       |       |      |
| 28       |   |                     |   |   |      |      |      |       |       |      |
|          | INVESTMENT TAX CREDIT ADJUSTMENTS                 | PLANT               | (1)   | (41)  |      |      |      |       |       |      |
| 30       |   |                     |   |   |      |      |      |       |       |      |
|          | STATE INCOME TAXES                                |                     | 1,041   | 129,268   |      |      |      |       |       |      |
| 32       |   |                     |   |   |      |      |      |       |       |      |
|          | FEDERAL INCOME TAXES                              |                     | 5,277   | 701,700   |      |      |      |       |       |      |
| 34       |   |                     |   |   |      |      |      |       |       |      |
|          | TOTAL OPERATING EXPENSES                          |                     | 19,536  | 2,149,086   |      |      |      |       |       |      |
| 36       |   |                     | 05.477  | 0.000.440   |      |      |      |       |       |      |
| 37<br>38 | NET OPERATING INCOME                              |                     | 25,477  | 3,022,113   |      |      |      |       |       |      |
|          |   | CUSTDEP             | 0   | 0   |      |      |      |       |       |      |
|          | Less: Interest on Customer Deposits Plus: AFUDC   | PLANT               | 358   | 24,320  |      |      |      |       |       |      |
| 40       |   | FLAINI              | 308   | 24,320  |      |      |      |       |       |      |
|          | NET OPERATING INCOME FOR RETURN                   |                     | 25,835  | 3,046,434   |      |      |      |       |       |      |
| 42       |   |                     | 20,000  | 3,040,434   |      |      |      |       |       |      |
| 44       |   |                     |   |   |      |      |      |       |       |      |
| 45       |   |                     |   |   |      |      |      |       |       |      |
| 73       |   |                     |   |   |      |      |      |       |       |      |

|  | Rate Base - 13-mth average attrition period ended 12/31/2021  ALLOC  |                    | TOTAL<br>COMPANY  | Residential<br>Service<br>Rate 301                 | Small General<br>Service<br>Rate 302              | Medium General<br>Service<br>Rate 352          | Large General<br>Service<br>Rate 303       | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313     | Sales for<br>Resale<br>Rate 310   |
|--|--|--------------------|---|--|---|--|--|---|--|-----------------------------------|
|  | INCOME TAXES   |                    | (1)-1   | (2)  | (3)   | (4)  | (5)  | (6)   | (7)  | (8)                               |
| 1  |  |                    |   |  |   |  |  |   |  |                                   |
| 2<br>3<br>4<br>5<br>6                              | Operating Revenue<br>Less: Cost of Gas<br>Gross Margin   |                    | 204,042,198<br>61,472,261<br>142,569,937  | 120,451,988<br>35,432,842<br>85,019,147            | 51,211,917<br>16,295,473<br>34,916,445            | 16,033,109<br>6,102,937<br>9,930,172           | 4,542,703<br>2,242,315<br>2,300,388        | 5,266,281<br>50,069<br>5,216,212            | 6,488,947<br>1,327,594<br>5,161,353          | 47,252<br>21,031<br>26,220        |
| 7<br>8<br>9<br>10                                  | Less: Operating Expenses Operation & Maintenance Depreciation & Amortization Taxes Other Than Income Operating Income Before Taxes   |                    | 57,362,662<br>35,000,905<br>11,225,394<br>38,980,976  | 41,776,671<br>25,992,647<br>8,218,894<br>9,030,935 | 9,815,120<br>5,863,400<br>1,885,497<br>17,352,428 | 3,130,141<br>1,967,295<br>685,765<br>4,146,971 | 626,741<br>370,171<br>129,521<br>1,173,955 | 970,485<br>261,698<br>99,194<br>3,884,835   | 1,033,403<br>540,068<br>204,621<br>3,383,260 | 10,100<br>5,625<br>1,902<br>8,593 |
|  | Less: Interest on Debt   | PLANT              | 17,435,095  | 12,768,183   | 2,912,428   | 1,085,529                                      | 203,209                                    | 143,358                                     | 319,484                                      | 2,904                             |
| 15<br>16<br>17<br>18                               | Less: Interest on Customer Deposits AFUDC Net Operating Income Before Taxes  | CUSTDEP<br>PLANT   | 262,957<br>(3,001,310)<br>24,284,234  | 238,808<br>(2,197,939)<br>(1,778,117)              | 24,149<br>(501,351)<br>14,917,201                 | 0<br>(186,865)<br>3,248,307                    | 0<br>(34,981)<br>1,005,727                 | 0<br>(24,678)<br>3,766,155                  | 0<br>(54,997)<br>3,118,772                   | 0<br>(500)<br>6,189               |
| 19<br>20<br>21                                     | State Income Taxes at Effective State Tax Rate 3.  | 46%                | 840,234   | (61,523)   | 516,135   | 112,391  | 34,798                                     | 130,309                                     | 107,910                                      | 214                               |
|  | Federal Taxable Income Base  |                    | 23,443,999  | (1,716,594)  | 14,401,066  | 3,135,916                                      | 970,929                                    | 3,635,846                                   | 3,010,863                                    | 5,975                             |
|  | Federal Income Tax Before Adjustments at Federal   | al Tax Rate 21.00% | 4,923,240   | (360,485)  | 3,024,224   | 658,542  | 203,895                                    | 763,528                                     | 632,281                                      | 1,255                             |
|  | Amortization of Excess Deferred FIT  | PLANT              | (6,877,608)   | (5,036,655)  | (1,148,863)                                       | (428,208)                                      | (80,160)                                   | (56,550)                                    | (126,027)                                    | (1,146)                           |
| 28<br>29<br>30<br>31                               | Federal Income Taxes   |                    | (1,954,368)   | (5,397,140)  | 1,875,361   | 230,335  | 123,735                                    | 706,977                                     | 506,254                                      | 109                               |
| 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42 | TAX FACTORS PNG Composite State Income Tax Rate Gross Revenue Factor Uncollectibles Factor Commission Fee Factor Federal Tax Rate Effective State Tax Rate 1-Incremental Tax Rate Incremental Tax Rate Effective Incremental Federal Tax Rate Factor for Taxable Basis |                    | 0.0346000<br>0.0150000<br>0.0019320<br>0.0042500<br>0.2100000<br>0.0338671<br>0.7465112<br>0.2534888<br>0.1984397<br>1.3395646<br>1.0001690 |  |   |  |  |   |  |                                   |

|                                  | Rate Base - 13-mth average attrition period ended  | 12/31/2021        | Interruptible<br>Sales Service    | Interruptible<br>Transportation           |      |      |      |      |      |      |
|----------------------------------|--|-------------------|-----------------------------------|---|------|------|------|------|------|------|
|                                  |  | ALLOC             | Rate 304<br>(9)-2                 | Rate 314<br>(10)                          | (11) | (12) | (13) | (14) | (15) | (16) |
|                                  | INCOME TAXES   |                   | (-)                               | ( - /                                     | ( )  | ,    | ( -/ | ,    | ( -/ | ( -/ |
| 1<br>2                           | STATE AND FEDERAL TAX CALCULATION  |                   |                                   |   |      |      |      |      |      |      |
| 3<br>4                           | Operating Revenue<br>Less: Cost of Gas<br>Gross Margin   |                   | 95,081<br>50,069<br>45,013        | 5,171,199<br>0<br>5,171,199               |      |      |      |      |      |      |
|                                  | Taxes Other Than Income Operating Income Before Taxes  |                   | 7,877<br>3,984<br>1,358<br>31,794 | 962,608<br>257,714<br>97,836<br>3,853,041 |      |      |      |      |      |      |
| 12<br>13<br>14                   | Less: Interest on Debt   | PLANT             | 2,078                             | 141,280                                   |      |      |      |      |      |      |
| 16<br>17                         | AFUDC Net Operating Income Before Taxes  | CUSTDEP<br>PLANT  | 0<br>(358)<br>30,074              | 0<br>(24,320)<br>3,736,081                |      |      |      |      |      |      |
|                                  | State Income Taxes at Effective State Tax Rate 3.4   | 46%               | 1,041                             | 129,268                                   |      |      |      |      |      |      |
|                                  | Federal Taxable Income Base  |                   | 29,033                            | 3,606,812                                 |      |      |      |      |      |      |
| 24<br>25                         | Federal Income Tax Before Adjustments at Federa  | I Tax Rate 21.00% | 6,097                             | 757,431                                   |      |      |      |      |      |      |
| 26<br>27                         | Amortization of Excess Deferred FIT  | PLANT             | (820)                             | (55,731)                                  |      |      |      |      |      |      |
|                                  | Federal Income Taxes   |                   | 5,277                             | 701,700                                   |      |      |      |      |      |      |
| 33<br>34<br>35<br>36<br>37<br>38 | TAX FACTORS PNG Composite State Income Tax Rate Gross Revenue Factor Uncollectibles Factor Commission Fee Factor Federal Tax Rate Effective State Tax Rate |                   |                                   |   |      |      |      |      |      |      |

40 1-Incremental Tax Rate41 Incremental Tax Rate

43 Factor for Taxable Basis

44 45

42 Effective Incremental Federal Tax Rate

|          | Rate Base - 13-mth average attrition period ended 12/3 | 31/2021 | TOTAL            | Residential<br>Service | Small General<br>Service | Medium General<br>Service | Large General<br>Service | Interruptible<br>Service | Firm Transportion<br>Service | Sales for<br>Resale |
|----------|--|---------|------------------|------------------------|--------------------------|---------------------------|--------------------------|--------------------------|------------------------------|---------------------|
|          |  | ALLOC   | COMPANY<br>(1)-1 | Rate 301<br>(2)        | Rate 302<br>(3)          | Rate 352<br>(4)           | Rate 303<br>(5)          | Rates 304 & 314<br>(6)   | Rate 313<br>(7)              | Rate 310<br>(8)     |
|          | REVENUE REQUIREMENTS                                   |         | (1)-1            | (2)                    | (3)                      | (4)                       | (5)                      | (6)                      | (7)                          | (0)                 |
| 1        | PRESENT RATES  |         |                  |                        |                          |                           |                          |                          |                              |                     |
| 2<br>3   | Rate Base  |         | 917,781,491      | 642,610,926            | 162,950,516              | 69,005,884                | 13,528,487               | 8,387,793                | 21,120,946                   | 176,939             |
| 4        |  |         | 42,838,540       | 16,452,446             | 15,438,982               | 3,991,426                 | 1,050,461                | 3,072,268                | 2,824,186                    | 8,770               |
|          | Rate of Return (Present Rates)                         |         | 4.67%            | 2.56%                  | 9.47%                    | 5.78%                     | 7.76%                    | 36.63%                   |                              | 4.96%               |
| 6        |  |         | 1.000            | 0.549                  | 2.030                    | 1.239                     | 1.664                    | 7.847                    | 2.865                        | 1.062               |
| 7        | Date Gas Gaiss Hereinas (Freesin Hates)                |         | 150,271,383      | 89,404,673             | 36,888,924               | 10,714,751                | 2,336,139                | 5,857,669                | 5,042,452                    | 26,773              |
| 8        | =  |         | 339,980,814      | 131,496,220            | 60,474,772               | 22,648,852                | 8,074,514                | 95,951,898               | 21,303,108                   | 31,451              |
| 9<br>10  |  |         | \$0.4420         | \$0.6799               | \$0.6100                 | \$0.4731                  | \$0.2893                 | \$0.0610                 | \$0.2367                     | \$0.8513            |
| 11<br>12 | CLAIMED RATE OF RETURN                                 |         |                  |                        |                          |                           |                          |                          |                              |                     |
| 13       |  |         | 7.10%            | 7.10%                  | 7.10%                    | 7.10%                     | 7.10%                    | 7.10%                    | 7.10%                        | 7.10%               |
| 14       |  |         | 65,173,499       | 45,633,087             | 11,571,442               | 4,900,246                 | 960,685                  | 595,634                  | 1,499,841                    | 12,565              |
| 15       |  |         | 180,190,504      | 128,494,027            | 31,708,105               | 11,932,174                | 2,215,878                | 2,540,057                | 3,268,406                    | 31,856              |
| 16       | •  |         | 29,919,121       | 39,089,354             | (5,180,819)              | 1,217,423                 | (120,261)                | (3,317,612)              |                              | 5,083               |
|          | Percent Increase Required                              |         | 19.91%           | 43.72%                 | -14.04%                  | 11.36%                    | -5.15%                   | -56.64%                  |                              | 18.98%              |
|          | Annual Booked Therm Sales                              |         | 339,980,814      | 131,496,220            | 60,474,772               | 22,648,852                | 8,074,514                | 95,951,898               | 21,303,108                   | 31,451              |
| 19       |  |         | \$0.5300         | \$0.9772               | \$0.5243                 | \$0.5268                  | \$0.2744                 | \$0.0265                 |                              | \$1.0129            |
| 20       | . ,  |         | \$0.0880         | \$0.2973               | -\$0.0857                | \$0.0538                  | -\$0.0149                | -\$0.0346                |                              | \$0.1616            |
| 21       |  |         | *******          | ****                   | *******                  | *********                 | ********                 | ******                   | *******                      | ******              |
| 22       |  |         |                  |                        |                          |                           |                          |                          |                              |                     |
| 23       |  |         |                  |                        |                          |                           |                          |                          |                              |                     |
| 24       |  |         | 180,442,928      | 110,763,935            | 41,614,496               | 12,848,100                | 2,682,371                | 6,607,957                | 5,893,964                    | 32,104              |
| 25       |  |         | 30,171,545       | 21,359,262             | 4,725,571                | 2,133,349                 | 346,232                  | 750,288                  | 851,512                      | 5,331               |
| 26       |  |         | 20.08%           | 23.89%                 | 12.81%                   | 19.91%                    | 14.82%                   | 12.81%                   |                              | 19.91%              |
| 27       |  |         | 7.12%            | 5.04%                  | 11.64%                   | 8.09%                     | 9.68%                    | 43.31%                   |                              | 7.21%               |
| 28       |  |         | 65,361,936       | 32,397,374             | 18,966,673               | 5,583,995                 | 1,308,927                | 3,632,367                | 3,459,849                    | 12,750              |
| 29       |  |         | 339,980,814      | 131,496,220            | 60,474,772               | 22,648,852                | 8,074,514                | 95,951,898               | 21,303,108                   | 31,451              |
| 30       |  |         | \$0.5307         | \$0.8423               | \$0.6881                 | \$0.5673                  | \$0.3322                 | \$0.0689                 |                              | \$1.0208            |
| 31       |  |         | \$0.0887         | \$0.1624               | \$0.0781                 | \$0.0942                  | \$0.0429                 | \$0.0078                 | \$0.0400                     | \$0.1695            |
| 32       |  |         |                  |                        |                          |                           |                          |                          |                              |                     |
| 33       |  |         | 7.12%            | 5.04%                  | 11.64%                   | 8.09%                     | 9.68%                    | 43.31%                   |                              | 7.21%               |
| 34       |  |         | 1.000            | 0.708                  | 1.634                    | 1.136                     | 1.359                    | 6.081                    | 2.300                        | 1.012               |
| 35       |  |         |                  |                        |                          |                           |                          |                          |                              |                     |
| 36       |  |         |                  |                        |                          |                           |                          |                          |                              |                     |
| 37<br>38 |  |         |                  |                        |                          |                           |                          |                          |                              |                     |
|          |  |         |                  |                        |                          |                           |                          |                          |                              |                     |
| 39<br>40 |  |         | 1,754            | 750                    | 2 442                    | 20.054                    | 156,533                  | 4 004 440                | 075 474                      | 45 700              |
| 40<br>41 |  |         | 1,754            | 750                    | 3,410                    | 39,851                    | 150,533                  | 1,881,410                | 275,471                      | 15,726              |
| 41       |  |         |                  |                        |                          |                           |                          |                          |                              |                     |
| 42       |  |         |                  |                        |                          |                           |                          |                          |                              |                     |

|  | Rate Base - 13-mth average attrition period ended 12/3   | 1/2021<br>ALLOC | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2                                 | Interruptible<br>Transportation<br>Rate 314<br>(10)  | (11) | (12) | (13) | (14) | (15) | (16) |
|--|--|-----------------|---|--|------|------|------|------|------|------|
|  | REVENUE REQUIREMENTS   |                 | (9)-2   | (10)   | (11) | (12) | (13) | (14) | (13) | (10) |
| 1 2  | PRESENT RATES  |                 |   |  |      |      |      |      |      |      |
| 3<br>4<br>5<br>6<br>7<br>8<br>9<br>10        | Rate Base Net Operating Income (Present Rates) Rate of Return (Present Rates) Relative Rate of Return Base Gas Sales Revenue (Present Rates) Annual Booked Therm Sales Gas Base Sales Revenue \$/Therm (Present Rates)  CLAIMED RATE OF RETURN                             |                 | 114,144<br>25,835<br>22.63%<br>4.849<br>46,672<br>257,216<br>\$0.1815               | 8,273,650<br>3,046,434<br>36.82%<br>7.889<br>5,810,997<br>95,694,681<br>\$0.0607               |      |      |      |      |      |      |
| 15<br>16<br>17<br>18<br>19<br>20<br>21       | Return Required for Claimed Rate of Return Gas Base Sales Revenue Required at Claimed ROR Base Sales Revenue Deficiency Percent Increase Required Annual Booked Therm Sales Gas Base Sales Revenue \$/Therm (Claimed Rates) Revenue Deficiency \$/Therm  PROPOSED REVENUES |                 | 7.10%<br>8,106<br>22,923<br>(23,749)<br>-50.89%<br>257,216<br>\$0.0891<br>-\$0.0923 | 7.10%<br>587,528<br>2,517,135<br>(3,293,862)<br>-56.68%<br>95,694,681<br>\$0.0263<br>-\$0.0344 |      |      |      |      |      |      |
| 25<br>26<br>27<br>28<br>29<br>30             | Proposed Base Gas Sales Revenues Base Sales Revenue Deficiency Percent Increase Required at Proposed Rates Proposed Rate of Return Return Required for Proposed Revenue Annual Booked Therm Sales  |                 | 55,368<br>8,696<br>18.63%<br>28.32%<br>32,326<br>257,216<br>\$0.2153<br>\$0.0338    | 6,552,589<br>741,592<br>12.76%<br>43.51%<br>3,600,040<br>95,694,681<br>\$0.0685<br>\$0.0077    |      |      |      |      |      |      |
| 32<br>33<br>34<br>35<br>36<br>37<br>38<br>39 |  |                 | 28.32%<br>3.977   | 43.51%<br>6.110  |      |      |      |      |      |      |
| 40<br>41<br>42<br>43<br>44<br>45             | Average Use per Customer (therms)  |                 | 128,608   | 1,952,953  |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ende           | ed 12/31/2021<br>ALLOC | TOTAL<br>COMPANY | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium General<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 |
|--|------------------------|------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|--|---------------------------------|
|  |                        | (1)-1            | (2)                                | (3)                                  | (4)                                   | (5)                                  | (6)   | (7)                                      | (8)                             |
| DEVELOPMENT OF LABOR ALLOCATION FACT                       | TORS                   |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 1 OPERATION AND MAINTENANCE LABOR EXP                      | P.                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 2  |                        |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 3  |                        |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 5 OTHER PURCHASED GAS LABOR EXPENSE                        |                        |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 6 735-Gas Misc Production Operation Exp                    | ESALES                 | 6,254            | 2,419                              | 1,112                                | 417                                   | 149                                  | 1,765                                       | 392                                      | 1                               |
| 7 807-Gas Purchased Expenses                               | ESALES                 | 193,672          | 74,907                             | 34,450                               | 12,902                                | 4,600                                | 54,659                                      | 12,135                                   | 18                              |
| 8 TOTAL PRODUCTION OPERATION LABOR EX                      | (PENSE                 | 199,926          | 77,326                             | 35,562                               | 13,319                                | 4,748                                | 56,425                                      | 12,527                                   | 18                              |
| 9  |                        |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 10 OTHER STORAGE LABOR EXPENSE 11 840-Operation Supv & Eng | STORPLT                | (252)            | (167)                              | (57)                                 | (23)                                  | (E)                                  | 0   | 0  | (0)                             |
| 12 843-Maint Other Storage Equip                           | STORPLT                | (252)<br>96      | 63                                 | (57)                                 | (23)                                  | (5)<br>2                             | 0   | 0  | (0)<br>0                        |
| 13 TOTAL OTHER STORAGE LABOR EXPENSE                       | STORT ET               | (157)            | (104)                              | (36)                                 | (14)                                  | (3)                                  | 0   | 0  | (0)                             |
| 14   |                        | ()               | (,                                 | (00)                                 | (,                                    | (0)                                  | Ü   | · ·                                      | (0)                             |
| 15 LNG TERMINALING AND PROCESSING LABOR                    | R EXPENSES             |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 16 844-Operation Supv & Eng Exp                            | STORPLT                | 211,816          | 140,215                            | 48,188                               | 18,918                                | 4,461                                | 0   | 0  | 34                              |
| 17 846-Operation Other LNG Expenses                        | STORPLT                | 666,807          | 441,403                            | 151,698                              | 59,556                                | 14,044                               | 0   | 0  | 106                             |
| 18 TOTAL LNG TERMINALING AND PROCESS LA                    | ABOR EXPENSES          | 878,623          | 581,618                            | 199,886                              | 78,474                                | 18,505                               | 0   | 0  | 139                             |
| 19<br>20   |                        |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 21 TRANSMISSION LABOR EXPENSE                              |                        |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 22 OPERATION   |                        |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 23 851-System Control & Load Dispatch                      | TRANPLT                | 323,182          | 201,421                            | 72,938                               | 28,375                                | 7,346                                | 0   | 13,053                                   | 49                              |
| 24 853-Compressor Station Labor & Exp                      | TRANPLT                | 78,240           | 48,762                             | 17,658                               | 6,869                                 | 1,778                                | 0   | 3,160                                    | 12                              |
| 25 856-Mains Expenses                                      | TRANPLT                | 366              | 228                                | 83                                   | 32                                    | 8                                    | 0   | 15                                       | 0                               |
| 26 859-Other Expenses-Trans                                | TRANPLT                | 37,646           | 23,463                             | 8,496                                | 3,305                                 | 856                                  | 0   | 1,521                                    | 6                               |
| 27 TOTAL OPERATION   |                        | 439,434          | 273,874                            | 99,175                               | 38,582                                | 9,989                                | 0   | 17,749                                   | 67                              |
| 28 MAINTENANCE<br>29 861-Maintenance Supv & Eng-Tran       | TRANPLT                | 136,979          | 85,371                             | 30,915                               | 12,027                                | 3,114                                | 0   | 5,533                                    | 21                              |
| 30 862-Maint Struct & Improve-Tran                         | TRANPLT                | 37,044           | 23,087                             | 8,360                                | 3,252                                 | 842                                  | 0   | 1,496                                    | 6                               |
| 31 863-Transm-Maint of Mains                               | TRANPLT                | 189,429          | 118,060                            | 42,752                               | 16,632                                | 4,306                                | 0   | 7,651                                    | 29                              |
| 32 864-Maint Compressor Sta Eq-Tran                        | TRANPLT                | 44,724           | 27,874                             | 10,094                               | 3,927                                 | 1,017                                | 0   | 1,806                                    | 7                               |
| 33 865-Maint Of M & R Station Eq-Tran                      | TRANPLT                | 31,319           | 19,519                             | 7,068                                | 2,750                                 | 712                                  | 0   | 1,265                                    | 5                               |
| 34 TOTAL MAINTENANCE                                       |                        | 439,495          | 273,912                            | 99,189                               | 38,587                                | 9,990                                | 0   | 17,751                                   | 67                              |
| 35 TOTAL TRANSMISSION LABOR EXPENSE                        |                        | 878,929          | 547,785                            | 198,363                              | 77,168                                | 19,978                               | 0   | 35,500                                   | 133                             |
| 36   |                        |                  |                                    |                                      |                                       |                                      |   |  |                                 |

| Rate Base - 13-mth average attrition perio   | d ended 12/31/2021                           | Interruptible                      | Interruptible                      |      |      |      |      |      |      |
|--|--|------------------------------------|------------------------------------|------|------|------|------|------|------|
|  | ALLOC  | Sales Service<br>Rate 304<br>(9)-2 | Transportation<br>Rate 314<br>(10) | (11) | (12) | (13) | (14) | (15) | (16) |
| DEVELOPMENT OF LABOR ALLOCATION  | I FACTORS                                    | (9)-2                              | (10)                               | (11) | (12) | (13) | (14) | (13) | (10) |
| 1 OPERATION AND MAINTENANCE LABO<br>2<br>3<br>4  | R EXP.                                       |                                    |                                    |      |      |      |      |      |      |
| 5 OTHER PURCHASED GAS LABOR EXPE<br>6 735-Gas Misc Production Operation Exp<br>7 807-Gas Purchased Expenses<br>8 TOTAL PRODUCTION OPERATION LABO | ESALES<br>ESALES                             | 5<br>147<br>151                    | 1,760<br>54,513<br>56,273          |      |      |      |      |      |      |
| 10 OTHER STORAGE LABOR EXPENSE 11 840-Operation Supv & Eng 12 843-Maint Other Storage Equip 13 TOTAL OTHER STORAGE LABOR EXPE                    | STORPLT<br>STORPLT<br>NSE                    | 0<br>0<br>0                        | 0<br>0<br>0                        |      |      |      |      |      |      |
| 14 15 LNG TERMINALING AND PROCESSING 16 844-Operation Supv & Eng Exp 17 846-Operation Other LNG Expenses 18 TOTAL LNG TERMINALING AND PROCE 19   | STORPLT<br>STORPLT                           | 0<br>0<br>0                        | 0<br>0<br>0                        |      |      |      |      |      |      |
| 20 21 TRANSMISSION LABOR EXPENSE 22 OPERATION 23 851-System Control & Load Dispatch  | TRANPLT                                      | 0                                  | 0                                  |      |      |      |      |      |      |
| 24 853-Compressor Station Labor & Exp<br>25 856-Mains Expenses<br>26 859-Other Expenses-Trans<br>27 TOTAL OPERATION                              | TRANPLT<br>TRANPLT<br>TRANPLT                | 0<br>0<br>0                        | 0<br>0<br>0                        |      |      |      |      |      |      |
| 28 MAINTENANCE 29 861-Maintenance Supv & Eng-Tran 30 862-Maint Struct & Improve-Tran 31 863-Transm-Maint of Mains                                | TRANPLT<br>TRANPLT<br>TRANPLT                | 0 0                                | 0<br>0<br>0                        |      |      |      |      |      |      |
| 32 864-Maint Compressor Sta Eq-Tran 33 865-Maint Of M & R Station Eq-Tran 34 TOTAL MAINTENANCE 35 TOTAL TRANSMISSION LABOR EXPENS                | TRANPLT<br>TRANPLT                           | 0<br>0<br>0<br>0                   | 0<br>0<br>0<br>0                   |      |      |      |      |      |      |
| 36<br>37<br>38<br>39   | <u>,                                    </u> | Ü                                  | Ū                                  |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ended 12/31/2021  ALLOC            |          | TOTAL<br>COMPANY  | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium General<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 |
|--|----------|-------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|--|---------------------------------|
| DEVELOPMENT OF LABOR ALLOCATION FACT   |          | (1)-1             | (2)                                | (3)                                  | (4)                                   | (5)                                  | (6)   | (7)                                      | (8)                             |
| DEVELOPMENT OF LABOR ALLOCATION FACT   | OR       |                   |                                    |                                      |                                       |                                      |   |  |                                 |
| 1 OPERATION AND MAINTENANCE LABOR EXP.   |          |                   |                                    |                                      |                                       |                                      |   |  |                                 |
| 2  |          |                   |                                    |                                      |                                       |                                      |   |  |                                 |
| 3 DISTRIBUTION LABOR EXPENSE<br>4 OPERATION                                    |          |                   |                                    |                                      |                                       |                                      |   |  |                                 |
| 5 870-Distribution Sys Ops-Supv/Eng  | LABDO    | 205,847           | 148,969                            | 38,179                               | 11,399                                | 2,187                                | 1,408                                       | 3,654                                    | 50                              |
| 6 871-Distribution Load Dispatching  | DEMAVG   | 31                | 12                                 | 6                                    | 2                                     | 1                                    | 9   | 2  | 0                               |
| 7 874-Mains and Services   | EXP 874  | 754,349           | 593,593                            | 100,112                              | 38,615                                | 4,825                                | 9,265                                       | 7,821                                    | 118                             |
| 8 875-Measuring and Reg Stations-Ge  | EXP_875  | 9,528             | 5,938                              | 2,150                                | 837                                   | 217                                  | 0   | 385                                      | 1                               |
| 9 878-Meter and House Regulator Exp  | EXP_878  | 2,105,743         | 1,552,504                          | 421,732                              | 82,203                                | 13,653                               | 14,595                                      | 20,288                                   | 768                             |
| 10 879-Customer Installation Expense   | EXP_879  | 1,243,850         | 775,219                            | 280,722                              | 109,208                               | 28,273                               | 0   | 50,239                                   | 188                             |
| 11 880-Gas Distribution-Other Expense  | EXP_880  | 1,059,217         | 816,147                            | 154,684                              | 55,586                                | 7,980                                | 11,532                                      | 13,100                                   | 188                             |
| 12 TOTAL OPERATION EXPENSE   |          | 5,378,565         | 3,892,383                          | 997,585                              | 297,851                               | 57,135                               | 36,809                                      | 95,489                                   | 1,314                           |
| 13 MAINTENANCE   |          |                   |                                    |                                      |                                       |                                      |   |  |                                 |
| 14 885-Maint Dist Sys Fac- Supv/Engr   | LABDM    | 590,139           | 423,796                            | 102,191                              | 39,406                                | 6,934                                | 6,048                                       | 11,622                                   | 143                             |
| 15 887-Maintenance of Mains  | EXP_887  | 1,417,649         | 1,062,314                          | 185,096                              | 107,869                               | 13,581                               | 26,469                                      | 21,981                                   | 339                             |
| 16 889-Maint-Meas/Reg Stn Equip-Gas  | EXP_889  | 772,556           | 481,489                            | 174,356                              | 67,829                                | 17,561                               | 0   | 31,204                                   | 117                             |
| 17 890-Maint-Meas/Reg Stn Eq-Indus   | EXP_890  | 15,390            | 9,591                              | 3,473                                | 1,351                                 | 350                                  | 0   | 622                                      | 2                               |
| 18 891-Maint M&R Equip City Gate   | EXP_891  | 457               | 285                                | 103                                  | 40                                    | 10                                   | 0   | 18                                       | 0                               |
| 19 892-Maintenance of Services   | EXP_892  | 111,635           | 95,158                             | 15,234                               | 865                                   | 94                                   | 127   | 157                                      | 1                               |
| 20 893-Maint - Meters and House Reg  | EXP_893  | 840,425           | 619,621                            | 168,318                              | 32,808                                | 5,449                                | 5,825                                       | 8,097                                    | 306                             |
| 21 894-Maint-Other Distribution Equip  | EXP_894  | 5,570             | 3,471                              | 1,257                                | 489                                   | 127                                  | 0   | 225                                      | 1                               |
| 22 TOTAL MAINTENANCE EXPENSE   |          | 3,753,820         | 2,695,726                          | 650,028                              | 250,657                               | 44,105                               | 38,468                                      | 73,926                                   | 910                             |
| 23 TOTAL DISTRIBUTION LABOR EXPENSE  |          | 9,132,385         | 6,588,108                          | 1,647,613                            | 548,508                               | 101,240                              | 75,277                                      | 169,414                                  | 2,225                           |
| 24<br>25   |          |                   |                                    |                                      |                                       |                                      |   |  |                                 |
| 26 CUSTOMER ACCOUNTS LABOR EXPENSE   |          |                   |                                    |                                      |                                       |                                      |   |  |                                 |
|  | LABCA    | 20,684            | 17,907                             | 2,454                                | 125                                   | 12                                   | 30  | 156                                      | 4                               |
| <ul><li>901-Supervision-Cust Accts</li><li>902-Meter Reading Expense</li></ul> | EXP_902  | 20,664<br>167,484 | 142,272                            | 17,363                               | 4,405                                 | 955                                  | 1,027                                       | 1,407                                    | 54                              |
| 29 903-Cust Records and Collections Exp  | EXF_902  | 107,404           | 142,212                            | 17,303                               | 4,405                                 | 933                                  | 1,027                                       | 1,407                                    | 34                              |
| 30 Customer Records Exp  | CUST 903 | 1,292,008         | 1,168,813                          | 118,195                              | 3,788                                 | 344                                  | 340   | 515                                      | 13                              |
| 31 Customer Collections Exp  | EXP_904  | 193,302           | 155,582                            | 32,240                               | 1,312                                 | 0                                    | 465   | 3,702                                    | 0                               |
| 32 Total 903-Customer Records and Collections Ex                               |          | 1,485,310         | 1,324,395                          | 150,435                              | 5,099                                 | 344                                  | 805   | 4,218                                    | 13                              |
| 33 903-Cust Collecting-Local Uncollectible Accts (90                           |          | 588,250           | 473,464                            | 98,112                               | 3,991                                 | 0                                    | 1,417                                       | 11,267                                   | 0                               |
| 34 905-Misc Customer Accts Expenses  | EXP_9024 | 0                 | 0                                  | 0                                    | 0                                     | 0                                    | 0   | 0  | 0                               |
| 35 TOTAL CUSTOMER ACCTS LABOR EXP  |          | 2,261,728         | 1,958,039                          | 268,363                              | 13,620                                | 1,311                                | 3,279                                       | 17,047                                   | 68                              |
| 36   |          | , - , -           | , ,                                | ,                                    | -,-                                   | ,-                                   | -, -  | ,-                                       |                                 |
| 37 CUSTOMER SERVICE & INFO LABOR EXP   |          |                   |                                    |                                      |                                       |                                      |   |  |                                 |
| 38 908-Cust Asst Expense   | EXP_910  | 0                 | 0                                  | 0                                    | 0                                     | 0                                    | 0   | 0  | 0                               |
| 39 909-Misc Advertising Expenses   | EXP_909  | 0                 | 0                                  | 0                                    | 0                                     | 0                                    | 0   | 0  | 0                               |
| 40 910-Misc Cust Serv/Inform Exp   | EXP_910  | 10,583            | 6,833                              | 1,425                                | 368                                   | 127                                  | 1,495                                       | 334                                      | 1                               |
| 41 910.1-Exp-Rs Reg Prod/Svces-CstAccts  | EXP_910  | (153)             | (99)                               | (21)                                 | (5)                                   | (2)                                  | (22)  | (5)                                      | (0)                             |
| 42 TOTAL CUST SERV & INFO LABOR EXPENSE  |          | 10,430            | 6,735                              | 1,405                                | 363                                   | 125                                  | 1,473                                       | 329                                      | 1                               |
| 43   |          |                   |                                    |                                      |                                       |                                      |   |  |                                 |
| 44   |          |                   |                                    |                                      |                                       |                                      |   |  |                                 |
| 15   |          |                   |                                    |                                      |                                       |                                      |   |  |                                 |

| Rat   | e Base - 13-mth average attrition period ended 1:   | 2/31/2021<br>ALLOC  | Interruptible<br>Sales Service<br>Rate 304  | Interruptible<br>Transportation<br>Rate 314  | 40   | (10) | (40) | 440  | (45) | (40) |
|---|---|---|---|--|------|------|------|------|------|------|
| DEV   | ELOPMENT OF LABOR ALLOCATION FACTOR   | र   | (9)-2   | (10)   | (11) | (12) | (13) | (14) | (15) | (16) |
|   | ERATION AND MAINTENANCE LABOR EXP.  |   |   |  |      |      |      |      |      |      |
| 1 OPI 2 3 DIS 4 OP 5 83 6 83 7 83 8 83 9 83 10 83 11 84 14 84 15 86 17 83 18 83 19 83 20 83 21 83 22 23 TO 24 25 26 CU 27 96 28 96 29 96 30 6 | ERATION AND MAINTENANCE LABOR EXP.  STRIBUTION LABOR EXPENSE PERATION 70-Distribution Sys Ops-Supv/Eng 71-Distribution Load Dispatching 74-Mains and Services 75-Measuring and Reg Stations-Ge 78-Meter and House Regulator Exp 79-Customer Installation Expense 80-Gas Distribution-Other Expense TOTAL OPERATION EXPENSE MINTENANCE 85-Maint Dist Sys Fac- Supv/Engr 87-Maintenance of Mains 89-Maint-Meas/Reg Stn Equip-Gas 90-Maint-Meas/Reg Stn Eq-Indus 91-Maint M&R Equip City Gate 92-Maintenance of Services 93-Maint-Other Distribution Equip TOTAL MAINTENANCE EXPENSE TAL DISTRIBUTION LABOR EXPENSE  STOMER ACCOUNTS LABOR EXPENSE 01-Supervision-Cust Accts 02-Meter Reading Expense 03-Cust Records and Collections Exp Customer Records Exp | LABDO DEMAVG EXP_874 EXP_875 EXP_878 EXP_879 EXP_880  LABDM EXP_887 EXP_889 EXP_890 EXP_891 EXP_892 EXP_893 EXP_893 EXP_894  LABCA EXP_902 CUST_903 | 33<br>0<br>129<br>0<br>512<br>0<br>177<br>851<br>104<br>351<br>0<br>0<br>0<br>4<br>204<br>0<br>664<br>1,514 | 1,376<br>9<br>9,136<br>0<br>14,083<br>0<br>11,355<br>35,959<br>5,943<br>26,118<br>0<br>0<br>0<br>122<br>5,621<br>0<br>37,804<br>73,763 |      |      |      |      |      |      |
| 32 To<br>33 90<br>34 90<br>35<br>36<br>37 CUS<br>38 90<br>39 90<br>40 91<br>41 91   | otal 903-Customer Records and Collections Exp 03-Cust Collecting-Local Uncollectible Accts (904) 05-Misc Customer Accts Expenses TOTAL CUSTOMER ACCTS LABOR EXP  STOMER SERVICE & INFO LABOR EXP 08-Cust Asst Expense 09-Misc Advertising Expenses 10-Misc Cust Serv/Inform Exp   | EXP_904  EXP_904  EXP_9024  EXP_910  EXP_909  EXP_910  EXP_910  | 0<br>13<br>0<br>0<br>50<br>50   | 465<br>792<br>1,417<br>0<br>3,230<br>0<br>0<br>1,491<br>(22)<br>1,469  |      |      |      |      |      |      |

| Rate Base - 13-mth average   | attrition period ended | 12/31/2021<br>ALLOC | TOTAL<br>COMPANY | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium General<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 |
|------------------------------|------------------------|---------------------|------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|--|---------------------------------|
| DEVELOPMENT OF LABOR         | ALLOCATION FACT        | OR                  | (1)-1            | (2)                                | (3)                                  | (4)                                   | (5)                                  | (6)   | (7)                                      | (8)                             |
| 1 OPERATION AND MAINTEN      | IANCE LABOR EVE        |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 2                            | NANCE LABOR EXP.       |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 3 SALES LABOR EXPENSE        |                        |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 4 912-Demonstrating & Sellin | a Exp                  | EXP 912             | 208,818          | 134,836                            | 28,123                               | 7,262                                 | 2,507                                | 29,494                                      | 6,584                                    | 11                              |
| 5 913-Advertising Expense    | 9 = ^ P                | EXP 913             | 273              | 176                                | 37                                   | 10                                    | 3                                    | 39  | 9  | 0                               |
| 6 916-Misc Sales Expenses    |                        | EXP 916             | 476,855          | 307,911                            | 64,222                               | 16,583                                | 5,726                                | 67,353                                      | 15,035                                   | 25                              |
| 7 TOTAL SALES LABOR EXP      | ENSE                   |                     | 685,946          | 442,923                            | 92,383                               | 23,854                                | 8,237                                | 96,887                                      | 21,627                                   | 35                              |
| 8                            |                        |                     | ,                | ,                                  | ,                                    |                                       | -,                                   | ,   | ,  |                                 |
| 9                            |                        |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 10 ADMINISTRATIVE & GENER    | RAL LABOR EXP          |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 11 OPERATION                 |                        |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 12 920-A & G Salaries        |                        | EXP_920             | 3,861,549        | 2,823,434                          | 671,476                              | 206,903                               | 41,659                               | 49,334                                      | 68,018                                   | 725                             |
| 13 921-Office Supplies and E |                        | EXP_921             | 190              | 139                                | 33                                   | 10                                    | 2                                    | 2   | 3  | 0                               |
| 14 922-Admin Exp Transfer    |                        | EXP_922             | 40               | 30                                 | 7                                    | 2                                     | 0                                    | 1   | 1  | 0                               |
| 15 923-Outside Services Em   | ployed                 | EXP_923             | 767              | 561                                | 133                                  | 41                                    | 8                                    | 10  | 14                                       | 0                               |
| 16 924-Property Insurance    |                        | EXP_924             | 0                | 0                                  | 0                                    | 0                                     | 0                                    | 0   | 0  | 0                               |
| 17 925-Injuries and Damages  |                        | EXP_925             | 3,704            | 2,708                              | 644                                  | 198                                   | 40                                   | 47  | 65                                       | 1                               |
| 18 926-Employee Pensions a   |                        | EXP_926             | 2,249            | 1,644                              | 391                                  | 121                                   | 24                                   | 29  | 40                                       | 0                               |
| 19 928-Regulatory Commissi   |                        | EXP_928             | 2,387            | 1,702                              | 420                                  | 158                                   | 29                                   | 34  | 43                                       | 0                               |
| 20 930-Misc General Expens   | es                     | EXP_930             | 668,279          | 488,623                            | 116,206                              | 35,807                                | 7,210                                | 8,538                                       | 11,771                                   | 126                             |
| 21 931-Rents                 |                        | EXP_930             | 0                | 0                                  | 0                                    | 0                                     | 0                                    | 0   | 0  | 0                               |
| 22 TOTAL OPERATION EXPE      | :NSE                   |                     | 4,539,165        | 3,318,841                          | 789,310                              | 243,240                               | 48,973                               | 57,994                                      | 79,955                                   | 853                             |
| 23 MAINTENANCE               |                        | =1/5                |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 24 932-Maintenance of Gene   | rai Plant              | EXP_932             | 14,288           | 10,447                             | 2,485                                | 766                                   | 154                                  | 183   | 252                                      | 3                               |
| 25                           | OD EVD                 |                     | 4 550 450        | 0.000.000                          | 704 705                              | 044.005                               | 10.107                               | 50.4 <b>77</b>                              | 00.000                                   | 055                             |
| 26 TOTAL ADMIN & GEN LAE     | SOR EXP                |                     | 4,553,453        | 3,329,288                          | 791,795                              | 244,005                               | 49,127                               | 58,177                                      | 80,206                                   | 855                             |
| 27                           | DDOD EVDENOE           |                     | 4 4 4 0 0 0 0 0  | 10 171 015                         | 0.440.040                            | 205.004                               | 444.000                              | 100 110                                     | 000.400                                  | 0.477                           |
| 28 TOTAL OPERATION EXCL      |                        |                     | 14,193,638       | 10,474,245                         | 2,448,049                            | 695,961                               | 144,269                              | 196,442                                     | 232,196                                  | 2,477                           |
| 29 TOTAL MAINTENANCE EX      | (PENSE                 |                     | 4,207,699        | 2,980,148                          | 751,723                              | 290,018                               | 54,251                               | 38,651                                      | 91,929                                   | 980                             |
| 30                           | ATENIANICE I ADOD E    | VD                  | 40.004.000       | 10 501 710                         | 2 225 225                            | 000 007                               | 202 222                              | 204 547                                     | 220.054                                  | 2.475                           |
| 31 TOTAL OPERATION & MAIN    | NIENANCE LABOR E       | AP .                | 18,601,263       | 13,531,719                         | 3,235,335                            | 999,297                               | 203,268                              | 291,517                                     | 336,651                                  | 3,475                           |
| 32<br>33                     |                        |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 33                           |                        |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |

|    | Rate Base - 13-mth average attrition period ended   | 12/31/2021 | Interruptible<br>Sales Service | Interruptible<br>Transportation |      |      |      |      |      |      |
|----|---|------------|--------------------------------|---------------------------------|------|------|------|------|------|------|
|    |   | ALLOC      | Rate 304<br>(9)-2              | Rate 314 (10)                   | (11) | (12) | (13) | (14) | (15) | (16) |
|    | DEVELOPMENT OF LABOR ALLOCATION FACTOR              | OR         | (9)-2                          | (10)                            | (11) | (12) | (13) | (14) | (13) | (10) |
| 1  | OPERATION AND MAINTENANCE LABOR EXP.                |            |                                |                                 |      |      |      |      |      |      |
| 2  |   |            |                                |                                 |      |      |      |      |      |      |
| 3  | SALES LABOR EXPENSE                                 | =1/= -/-   |                                |                                 |      |      |      |      |      |      |
| 4  | 912-Demonstrating & Selling Exp                     | EXP_912    | 80                             | 29,414                          |      |      |      |      |      |      |
| 5  |   | EXP_913    | 0                              | 39                              |      |      |      |      |      |      |
| 6  |   | EXP_916    | 183                            | 67,171                          |      |      |      |      |      |      |
| 7  | TOTAL SALES LABOR EXPENSE                           |            | 263                            | 96,624                          |      |      |      |      |      |      |
| 8  |   |            |                                |                                 |      |      |      |      |      |      |
| 9  |   |            |                                |                                 |      |      |      |      |      |      |
| 10 | ) ADMINISTRATIVE & GENERAL LABOR EXP<br>I OPERATION |            |                                |                                 |      |      |      |      |      |      |
| 12 | 920-A & G Salaries                                  | EXP_920    | 511                            | 48,823                          |      |      |      |      |      |      |
| 13 | 921-Office Supplies and Expenses                    | EXP_921    | 0                              | 2                               |      |      |      |      |      |      |
| 14 | 922-Admin Exp Transfer - CREDIT                     | EXP_922    | 0                              | 1                               |      |      |      |      |      |      |
| 15 | 5 923-Outside Services Employed                     | EXP_923    | 0                              | 10                              |      |      |      |      |      |      |
| 16 | 924-Property Insurance                              | EXP_924    | 0                              | 0                               |      |      |      |      |      |      |
| 17 | 7 925-Injuries and Damages                          | EXP_925    | 0                              | 47                              |      |      |      |      |      |      |
| 18 | 926-Employee Pensions and Benefits                  | EXP_926    | 0                              | 28                              |      |      |      |      |      |      |
| 19 | 9 928-Regulatory Commission Expenses                | EXP_928    | 0                              | 33                              |      |      |      |      |      |      |
| 20 | 930-Misc General Expenses                           | EXP_930    | 88                             | 8,449                           |      |      |      |      |      |      |
| 2  | 1 931-Rents   | EXP_930    | 0                              | 0                               |      |      |      |      |      |      |
| 22 | 2 TOTAL OPERATION EXPENSE                           |            | 600                            | 57,394                          |      |      |      |      |      |      |
| 23 |   |            |                                |                                 |      |      |      |      |      |      |
| 24 | 932-Maintenance of General Plant                    | EXP_932    | 2                              | 181                             |      |      |      |      |      |      |
| 2  | 5   |            |                                |                                 |      |      |      |      |      |      |
| 20 | TOTAL ADMIN & GEN LABOR EXP                         |            | 602                            | 57,575                          |      |      |      |      |      |      |
| 2  | 7   |            |                                |                                 |      |      |      |      |      |      |
| 28 | 3 TOTAL OPERATION EXCL PROD EXPENSE                 |            | 1,768                          | 194,675                         |      |      |      |      |      |      |
| 29 | TOTAL MAINTENANCE EXPENSE                           |            | 666                            | 37,985                          |      |      |      |      |      |      |
| 30 | )   |            |                                |                                 |      |      |      |      |      |      |
| 3  | 1 TOTAL OPERATION & MAINTENANCE LABOR E             | XP         | 2,584                          | 288,933                         |      |      |      |      |      |      |
| 32 |   |            |                                |                                 |      |      |      |      |      |      |
| 33 | 3   |            |                                |                                 |      |      |      |      |      |      |
| 34 | 4   |            |                                |                                 |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ended 12/31/2021  ALLOC |            | TOTAL<br>COMPANY | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium General<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 |
|---|------------|------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|--|---------------------------------|
|   | ALLOO      | (1)-1            | (2)                                | (3)                                  | (4)                                   | (5)                                  | (6)   | (7)                                      | (8)                             |
| ALLOCATION FACTOR TABLE   |            | (.,              | (2)                                | (0)                                  | (1)                                   | (0)                                  | (0)   | (,,                                      | (0)                             |
| 1 CAPACITY RELATED  |            |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 3<br>4 <u>STORAGE</u>   | -          |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 5 LNG Storage - Remaining Design Day Sales Dem<br>6<br>7            | DEMSTOR    | 3,276,046        | 2,168,630                          | 745,297                              | 292,601                               | 68,998                               | 0   | 0  | 520                             |
| 8 TRANSMISSION  |            |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 9 Design Day Demands (Therms)                                       | DEMTRAN    | 3,588,301        | 2,236,380                          | 809,835                              | 315,047                               | 81,564                               | 0   | 144,932                                  | 543                             |
| 9 Design Day Demands (Therms)                                       | DEMTRANM   | 3,851,183        | 2,236,380                          | 809,835                              | 315,047                               | 81,564                               | 262,882                                     | 144,932                                  | 543                             |
| 11  |            |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 12 <u>DISTRIBUTION</u>  |            |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 13 Distribution Load Dispatching - Annual Sendout                   | DEMAVG     | 339,980,814      | 131,496,220                        | 60,474,772                           | 22,648,852                            | 8,074,514                            | 95,951,898                                  | 21,303,108                               | 31,451                          |
| 14 Distribution Mains Above 2"                                      | DEMDISTM   | 3,851,183        | 2,236,380                          | 809,835                              | 315,047                               | 81,564                               | 262,882                                     | 144,932                                  | 543                             |
| 15 Distribution - Design Day Demands (Therms)                       | DEMDIST    | 3,588,301        | 2,236,380                          | 809,835                              | 315,047                               | 81,564                               | 0   | 144,932                                  | 543                             |
| 16  |            |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 17  |            |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 18  |            |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 19 COMMODITY RELATED  |            |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 21 Annual Therms - Weather Normalized - Sendout                     | <br>ESALES | 339,980,814      | 131,496,220                        | 60.474.772                           | 22,648,852                            | 8,074,514                            | 95,951,898                                  | 21,303,108                               | 31,451                          |
| 22 Annual Memis - Weather Normalized - Sendout                      | ESALES     | 339,960,614      | 131,490,220                        | 00,474,772                           | 22,040,032                            | 0,074,514                            | 93,931,090                                  | 21,303,100                               | 31,431                          |
| 23 Cost of Gas<br>24  | EGASCOST   | 61,472,261       | 35,432,842                         | 16,295,472                           | 6,102,937                             | 2,242,315                            | 50,069                                      | 1,327,594                                | 21,031                          |
| 25 3 Month Winter Sales (Therms) Dec to Feb<br>26                   | ENESTOR    | 114,016,580      | 71,477,294                         | 28,372,023                           | 10,866,829                            | 3,283,086                            | 0   | 0  | 17,348                          |

| F          | Rate Base - 13-mth average attrition period ended 12/31/2021 |              | Interruptible<br>Sales Service | Interruptible<br>Transportation |      |      |      |      |      |      |
|------------|--|--------------|--------------------------------|---------------------------------|------|------|------|------|------|------|
|            |  | ALLOC        | Rate 304<br>(9)-2              | Rate 314<br>(10)                | (11) | (12) | (13) | (14) | (15) | (16) |
|            | ALLOCATION FACTOR TABLE                                      |              | (9)-2                          | (10)                            | (11) | (12) | (13) | (14) | (13) | (10) |
| 1          | CAPACITY RELATED   | _            |                                |                                 |      |      |      |      |      |      |
| 3          | STORAGE  |              |                                |                                 |      |      |      |      |      |      |
| 5 L<br>6   | NG Storage - Remaining Design Day Sales Dem                  | DEMSTOR      | 0                              | 0                               |      |      |      |      |      |      |
| 7<br>8     | TRANSMISSION   |              |                                |                                 |      |      |      |      |      |      |
| -          | Design Day Demands (Therms)                                  | DEMTRAN      | 0                              | 0                               |      |      |      |      |      |      |
|            | Design Day Demands (Therms)                                  | DEMTRANM     | 705                            | 262,177                         |      |      |      |      |      |      |
| 11         | boolgh bay bemande (monne)                                   | DEMITTO WANT | 7.00                           | 202,                            |      |      |      |      |      |      |
| 12         | DISTRIBUTION   |              |                                |                                 |      |      |      |      |      |      |
|            | Distribution Load Dispatching - Annual Sendout               | DEMAVG       | 257,216                        | 95,694,681                      |      |      |      |      |      |      |
| 14 [       | Distribution Mains Above 2"                                  | DEMDISTM     | 705                            | 262,177                         |      |      |      |      |      |      |
|            | Distribution - Design Day Demands (Therms)                   | DEMDIST      | 0                              | 0                               |      |      |      |      |      |      |
| 16         | 3 1, 1 1 ( 1 1,  |              |                                |                                 |      |      |      |      |      |      |
| 17         |  |              |                                |                                 |      |      |      |      |      |      |
| 18         |  |              |                                |                                 |      |      |      |      |      |      |
| 19<br>20 - | COMMODITY RELATED  |              |                                |                                 |      |      |      |      |      |      |
|            | Annual Therms - Weather Normalized - Sendout                 | ESALES       | 257,216                        | 95,694,681                      |      |      |      |      |      |      |
|            | Cost of Gas  | EGASCOST     | 50,069                         | 0                               |      |      |      |      |      |      |
| 26         | B Month Winter Sales (Therms) Dec to Feb                     | ENESTOR      | 0                              | 0                               |      |      |      |      |      |      |
| 27         |  |              |                                |                                 |      |      |      |      |      |      |
| 28         |  |              |                                |                                 |      |      |      |      |      |      |
| 29         |  |              |                                |                                 |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ended   | 12/31/2021<br>ALLOC | TOTAL<br>COMPANY | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302<br>(3) | Service   | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310<br>(8) |  |
|---|---------------------|------------------|------------------------------------|---|-----------|--------------------------------------|---|--|--|--|
| ALLOCATION FACTOR TABLE CONTINUED                   |                     | (1)-1            | (2)                                | (3)   | (4)       | (5)                                  | (6)   | (7)                                      | (8)                                    |  |
| 1 CUSTOMER RELATED                                  |                     |                  |                                    |   |           |                                      |   |  |  |  |
| 23 Acct 376 - Mains Above 2 Inches - Customer Relat |                     | 20,680           | 7,999                              | 3,679                                       | 6,820     | 619                                  | 612   | 928                                      | 24                                     |  |
| 4 Acct 376 - Mains <= 2 Inches - Customer Related   | CUST376B            | 2,317,204        | 2,104,399                          | 212,805                                     | 0         | 0                                    | 0   | 0  | 0                                      |  |
| 6 Acct 380-Service Investment                       | CUST_380            | 300,055,366      | 255,767,191                        | 40,945,578                                  | 2,324,647 | 252,128                              | 340,908                                     | 421,032                                  | 3,883                                  |  |
| 7 Accts 381-385-Meters & Regulators Investment 8    | CUST_38185          | 56,563,479       | 41,702,632                         | 11,328,365                                  | 2,208,104 | 366,752                              | 392,038                                     | 544,965                                  | 20,622                                 |  |
| 9 Acct 902-Meter Reading Expense                    | CUST_902            | 206,443          | 175,367                            | 21,401                                      | 5,430     | 1,178                                | 1,266                                       | 1,735                                    | 67                                     |  |
| 10 Acct 903-Customer Records Exp                    | CUST_903            | 193,851          | 175,367                            | 17,734                                      | 568       | 52                                   | 51  | 77                                       | 2                                      |  |
| 11 Acct 909-Cust Serv & Info Advertising Exp.       | CUST_909            | 1.0000           | 0.6457                             | 0.1347                                      | 0.0348    | 0.0120                               | 0.1412                                      | 0.0315                                   | 0.0001                                 |  |
| 12 Acct 910-Customer Assistance Expense             | CUST_910            | 1.0000           | 0.6457                             | 0.1347                                      | 0.0348    | 0.0120                               | 0.1412                                      | 0.0315                                   | 0.0001                                 |  |
| 13 Acct 912-Demonstrating and Selling               | CUST_912            | 1.0000           | 0.6457                             | 0.1347                                      | 0.0348    | 0.0120                               | 0.1412                                      | 0.0315                                   | 0.0001                                 |  |
| 14 Acct 913-Advertising Expense                     | CUST_913            | 1.0000           | 0.6457                             | 0.1347                                      | 0.0348    | 0.0120                               | 0.1412                                      | 0.0315                                   | 0.0001                                 |  |
| 15 Acct 916-Miscellaneous Sales Expense             | CUST_916            | 1.0000           | 0.6457                             | 0.1347                                      | 0.0348    | 0.0120                               | 0.1412                                      | 0.0315                                   | 0.0001                                 |  |
| 16  |                     |                  |                                    |   |           |                                      |   |  |  |  |
| 17 Average Annual Firm Customers (50%)              | CUST                | 0.5000           | 0.4523                             | 0.0457                                      | 0.0015    | 0.0001                               | 0.0001                                      | 0.0002                                   | 0.0000                                 |  |
| 18 Weather Normalized Annual Firm DT (50%)          | ESALES              | 0.5000           | 0.1934                             | 0.0889                                      | 0.0333    | 0.0119                               | 0.1411                                      | 0.0313                                   | 0.0000                                 |  |
| 19 Weighted Customers and Sales                     |                     | 1.0000           | 0.6457                             | 0.1347                                      | 0.0348    | 0.0120                               | 0   | 0.0315                                   | 0.0001                                 |  |
| 20<br>21 Customer Deposits<br>22<br>23              | CUSTDEP             | 193,100          | 175,367                            | 17,734                                      | 0         | 0                                    | 0   | 0  | 0                                      |  |
| 24  |                     |                  |                                    |   |           |                                      |   |  |  |  |
| 25 Average Annual Number of Customers               | CUST                | 193,851          | 175,367                            | 17,734                                      | 568       | 52                                   | 51  | 77                                       | 2                                      |  |
| 26 Average Annual Number of Bills<br>27             |                     | 193,851          | 175,367                            | 17,734                                      | 568       | 52                                   | 51  | 77                                       | 2                                      |  |

| Rate Base - 13-mth average attrition period ended 12/31/2021  ALLOC |   | Interruptible<br>Sales Service<br>Rate 304 | Interruptible<br>Transportation<br>Rate 314 |         |      |      |      |      |      |      |
|---|---|--|---|---------|------|------|------|------|------|------|
|   |   | ALLOC                                      | (9)-2                                       | (10)    | (11) | (12) | (13) | (14) | (15) | (16) |
|   | ALLOCATION FACTOR TABLE CONTINUED                   |  |   |         |      |      |      |      |      |      |
| 1   | CUSTOMER RELATED                                    |  |   |         |      |      |      |      |      |      |
|   | 3 Acct 376 - Mains Above 2 Inches - Customer Relate | CUST376A                                   | 24  | 588     |      |      |      |      |      |      |
| 4<br>5  | Acct 376 - Mains <= 2 Inches - Customer Related     | CUST376B                                   | 0   | 0       |      |      |      |      |      |      |
| -   | 6 Acct 380-Service Investment                       | CUST_380                                   | 11,725                                      | 329,183 |      |      |      |      |      |      |
|   | Accts 381-385-Meters & Regulators Investment        | CUST_38185                                 | 13,748                                      | 378,289 |      |      |      |      |      |      |
| 8   | 3<br>Acct 902-Meter Reading Expense                 | CUST 902                                   | 44  | 1,222   |      |      |      |      |      |      |
|   | Acct 903-Customer Records Exp                       | CUST 903                                   | 2   | 49      |      |      |      |      |      |      |
|   | Acct 909-Cust Serv & Info Advertising Exp.          | CUST 909                                   | 0.0004                                      | 0.1409  |      |      |      |      |      |      |
|   | 2 Acct 910-Customer Assistance Expense              | CUST 910                                   | 0.0004                                      | 0.1409  |      |      |      |      |      |      |
|   | Acct 912-Demonstrating and Selling                  | CUST 912                                   | 0.0004                                      | 0.1409  |      |      |      |      |      |      |
|   | Acct 913-Advertising Expense                        | CUST 913                                   | 0.0004                                      | 0.1409  |      |      |      |      |      |      |
|   | Acct 916-Miscellaneous Sales Expense                | CUST 916                                   | 0.0004                                      | 0.1409  |      |      |      |      |      |      |
| 16  | •   | 0000.0                                     | 0.000                                       | 0.1.100 |      |      |      |      |      |      |
|   | Average Annual Firm Customers (50%)                 | CUST                                       | 0.0000                                      | 0.0001  |      |      |      |      |      |      |
|   | Weather Normalized Annual Firm DT (50%)             | ESALES                                     | 0.0004                                      | 0.1407  |      |      |      |      |      |      |
|   | Weighted Customers and Sales                        | LOTILLO                                    | 0.0004                                      | 0.1409  |      |      |      |      |      |      |
| 20  |   |  | 0.0001                                      | 0.1100  |      |      |      |      |      |      |
|   | Customer Deposits                                   | CUSTDEP                                    | 0   | 0       |      |      |      |      |      |      |
| 22  |   | OOOTDEI                                    | · ·   | · ·     |      |      |      |      |      |      |
| 23  |   |  |   |         |      |      |      |      |      |      |
| 24  |   |  |   |         |      |      |      |      |      |      |
|   | Average Annual Number of Customers                  | CUST                                       | 2   | 49      |      |      |      |      |      |      |
|   | Average Annual Number of Bills                      |  | 2   | 49      |      |      |      |      |      |      |
| 27  |   |  | _   | 40      |      |      |      |      |      |      |
| 28  |   |  |   |         |      |      |      |      |      |      |
| 29  |   |  |   |         |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ended                               | d 12/31/2021<br>ALLOC | TOTAL<br>COMPANY          | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium General<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 |
|---|-----------------------|---------------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|--|---------------------------------|
| ALLOCATION FACTOR TABLE CONTINUED   |                       | (1)-1                     | (2)                                | (3)                                  | (4)                                   | (5)                                  | (6)   | (7)                                      | (8)                             |
| ALLOCATION FACTOR TABLE CONTINUED   | •                     |                           |                                    |                                      |                                       |                                      |   |  |                                 |
| 1 INTERNALLY DEVELOPED FACTORS  |                       |                           |                                    |                                      |                                       |                                      |   |  |                                 |
| 2 Apate 274 9 275 Land 9 Dights and Chara 9 Jan                                 |                       | 44 745 040                | 7 204 605                          | 0.044.077                            | 4 000 044                             | 200 204                              | 0   | 472.405                                  | 4 774                           |
| 3 Accts 374 & 375 - Land & Rights and Struc & Imp<br>4 Acct 376 - Mains         | PLT 376               | 11,715,648<br>570,222,992 | 7,301,685<br>427,296,091           | 2,644,077<br>74,451,454              | 1,028,614<br>43,388,163               | 266,301<br>5,462,686                 | 10,646,548                                  | 473,195<br>8,841,635                     | 1,774<br>136,415                |
| 5 Accts 378 & 379 - Meas & Regulation Station                                   | PLT 37879             | 26,886,493                | 16.756.795                         | 6,067,950                            | 2,360,589                             | 611.141                              | 10,040,540                                  | 1,085,946                                | 4,072                           |
| 6 Acct 380 - Services   | PLT 380               | 326,828,953               | 278,588,996                        | 44,599,104                           | 2,532,072                             | 274,625                              | 371,327                                     | 458,600                                  | 4,229                           |
| 7 Accts 381 Thru 385 - Meters & Regulators                                      | PLT_38185             | 69,790,468                | 51,454,512                         | 13,977,427                           | 2,724,454                             | 452,515                              | 483,713                                     | 672,401                                  | 25,445                          |
| 8   |                       | ,,                        | - , - ,-                           | -,- ,                                | , , -                                 | - ,                                  | ,   | , ,                                      | -,                              |
| 9 Accts 376 & 380 - Mains and Services  | PLT_37680             | 897,051,945               | 705,885,086                        | 119,050,558                          | 45,920,235                            | 5,737,311                            | 11,017,874                                  | 9,300,236                                | 140,644                         |
| 10  |                       |                           |                                    |                                      |                                       |                                      |   |  |                                 |
| 11 Total Intangible Plant   | INTANPLT              | 27,104,691                | 19,849,484                         | 4,527,676                            | 1,687,569                             | 315,910                              | 222,865                                     | 496,672                                  | 4,514                           |
| 12 Total Local Storage Plant  | STORPLT               | 66,186,730                | 43,813,350                         | 15,057,408                           | 5,911,481                             | 1,393,984                            | 0   | 0  | 10,508                          |
| 13 Total Transmission Plant   | TRANPLT               | 369,786,759               | 230,466,681                        | 83,456,318                           | 32,466,664                            | 8,405,405                            | 0   | 14,935,690                               | 56,000                          |
| 14 Total Distribution Plant   | DISTPLT               | 1,005,444,554             | 781,398,078                        | 141,740,013                          | 52,033,894                            | 7,067,269                            | 11,501,587                                  | 11,531,778                               | 171,935                         |
| 15 Total General Plant  | GENPLT                | 76,931,443                | 56,249,491                         | 13,377,458                           | 4,122,134                             | 829,964                              | 982,865                                     | 1,355,083                                | 14,450                          |
| 16  |                       |                           |                                    |                                      |                                       |                                      |   |  |                                 |
| <ul><li>17 Total Transmission Plant and Distribution Plant</li><li>18</li></ul> | TDPLT                 | 1,375,231,312             | 1,011,864,759                      | 225,196,331                          | 84,500,558                            | 15,472,673                           | 11,501,587                                  | 26,467,468                               | 227,935                         |
| 19 Total Gas Plant in Service   | PLANT                 | 1,545,454,176             | 1,131,777,084                      | 258,158,874                          | 96,221,741                            | 18,012,531                           | 12,707,318                                  | 28,319,222                               | 257,407                         |
| 20  |                       | .,,,                      | .,,,                               |                                      | ,,,                                   | . 2,0 . 2,00 .                       | ,, .,,,,,,                                  |  | 201,101                         |
| 21 Total Construction Work in Progress<br>22                                    | CWIP                  | 42,271,971                | 30,569,595                         | 7,311,819                            | 2,628,325                             | 520,792                              | 365,265                                     | 868,985                                  | 7,192                           |
|   |                       |                           |                                    |                                      |                                       |                                      |   |  |                                 |

|    | Rate Base - 13-mth average attrition period ender | d 12/31/2021<br>ALLOC | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2 | Interruptible<br>Transportation<br>Rate 314<br>(10) | (11) | (12) | (13) | (14) | (15) | (16) |
|----|---|-----------------------|---|---|------|------|------|------|------|------|
|    | ALLOCATION FACTOR TABLE CONTINUED                 |                       | (0) =   | (13)  | (,   | ( /  | (10) | ()   | (.5) | (10) |
|    | 1 INTERNALLY DEVELOPED FACTORS                    |                       |   |   |      |      |      |      |      |      |
| :  | 3 Accts 374 & 375 - Land & Rights and Struc & Imp |                       | 0   | 0   |      |      |      |      |      |      |
|    | 4 Acct 376 - Mains                                | PLT_376               | 141,058   | 10,505,490  |      |      |      |      |      |      |
| :  | 5 Accts 378 & 379 - Meas & Regulation Station     | PLT_37879             | 0   | 0   |      |      |      |      |      |      |
|    | 6 Acct 380 - Services                             | PLT_380               | 12,771  | 358,556   |      |      |      |      |      |      |
|    | 7 Accts 381 Thru 385 - Meters & Regulators        | PLT_38185             | 16,963  | 466,750   |      |      |      |      |      |      |
| -  | 8   |                       |   |   |      |      |      |      |      |      |
|    | 9 Accts 376 & 380 - Mains and Services            | PLT_37680             | 153,829   | 10,864,046  |      |      |      |      |      |      |
| 1  |   |                       |   |   |      |      |      |      |      |      |
| 1  | Total Intangible Plant                            | INTANPLT              | 3,230   | 219,635   |      |      |      |      |      |      |
|    | Total Local Storage Plant                         | STORPLT               | 0   | 0   |      |      |      |      |      |      |
|    | 3 Total Transmission Plant                        | TRANPLT               | 0   | 0   |      |      |      |      |      |      |
| 1. | 4 Total Distribution Plant                        | DISTPLT               | 170,792   | 11,330,795  |      |      |      |      |      |      |
| 1  | 5 Total General Plant                             | GENPLT                | 10,172  | 972,693   |      |      |      |      |      |      |
|    | 6   |                       |   |   |      |      |      |      |      |      |
|    | 7 Total Transmission Plant and Distribution Plant | TDPLT                 | 170,792   | 11,330,795  |      |      |      |      |      |      |
| 1  | 8   |                       |   |   |      |      |      |      |      |      |
|    | 9 Total Gas Plant in Service                      | PLANT                 | 184,195   | 12,523,123  |      |      |      |      |      |      |
| 2  |   |                       |   |   |      |      |      |      |      |      |
|    | 1 Total Construction Work in Progress             | CWIP                  | 4,785   | 360,479   |      |      |      |      |      |      |
|    | 2   |                       |   |   |      |      |      |      |      |      |
| 2  | 2   |                       |   |   |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ended      | 12/31/2021<br>ALLOC | TOTAL<br>COMPANY<br>(1)-1 | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302<br>(3) | Medium General<br>Service<br>Rate 352<br>(4) | Large General<br>Service<br>Rate 303<br>(5) | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313<br>(7) | Sales for<br>Resale<br>Rate 310<br>(8) |
|--|---------------------|---------------------------|------------------------------------|---|--|---|---|---|--|
| ALLOCATION FACTOR TABLE CONTINUED                      |                     | (1)-1                     | (2)                                | (3)   | (4)  | (5)   | (6)   | (7)   | (0)                                    |
| 1 INTERNALLY DEVELOPED FACTORS CONT.                   |                     |                           |                                    |   |  |   |   |   |  |
| 23 Acct 874-Mains & Services Expense                   | -<br>EXP_874        | 3,489,421                 | 2,745,806                          | 463,092                                     | 178,624                                      | 22,317                                      | 42,858                                      | 36,177  | 547                                    |
| 4 Acct 875-Measuring and Reg Stations-Ge               | EXP_875             | 32,750                    | 20,411                             | 7,391                                       | 2,875  | 744   | 0   | 1,323   | 5                                      |
| 5 Acct 878-Meter and House Regulator Expense           | EXP 878             | 429,911                   | 316,961                            | 86,101                                      | 16,783                                       | 2,788                                       | 2,980                                       | 4,142   | 157                                    |
| 6 Acct 879-Customer Installation Expense               | EXP_879             | 258,169                   | 160,902                            | 58,266                                      | 22,667                                       | 5,868                                       | 0   | 10,427  | 39                                     |
| 7 Acct 880-Gas Oper Distribution-Other Expense         | EXP_880             | 883,027                   | 680,389                            | 128,954                                     | 46,340                                       | 6,652                                       | 9,614                                       | 10,921  | 157                                    |
| 8 Acct 887-Dist Maintenance of Mains                   | EXP_887             | 1,204,743                 | 902,773                            | 157,298                                     | 91,669                                       | 11,541                                      | 22,494                                      | 18,680  | 288                                    |
| 9 Acct 889-Dist Maint-Meas/Reg Stn Equip-Gas           | EXP_889             | 384,635                   | 239,721                            | 86,807                                      | 33,770                                       | 8,743                                       | 0   | 15,535  | 58                                     |
| 10 Acct 890-Dist Maint-Meas/Reg Stn Eq-Indus           | EXP_890             | 7,442                     | 4,638                              | 1,680                                       | 653  | 169   | 0   | 301   | 1                                      |
| 11 Acct 891-Dist Maint M&R Equip City Gate             | EXP_891             | 115                       | 71                                 | 26  | 10   | 3   | 0   | 5   | 0                                      |
| 12 Acct 892-Dist Maintenance of Services               | EXP_892             | 562,167                   | 479,191                            | 76,713                                      | 4,355  | 472   | 639   | 789   | 7                                      |
| 13 Acct 893-Dist Maint - Meters and House Reg          | EXP_893             | 184,031                   | 135,681                            | 36,857                                      | 7,184  | 1,193                                       | 1,276                                       | 1,773   | 67                                     |
| 14 Acct 894-Dist Maint-Other Distribution Equip        | EXP_894             | (2,867)                   | (1,787)                            | (647)                                       | (252)  | (65)  | 0   | (116)   | (0)                                    |
| 15 Acct 902-Meter Reading Expense                      | EXP_902             | 7,076                     | 6,011                              | 734   | 186  | 40  | 43  | 59  | 2                                      |
| 16 Acct 903-Cust Records & Collect Excl Local Uncoll   | EXP_903             | 1,433,901                 | 1,277,888                          | 145,732                                     | 4,949  | 330   | 792   | 4,197   | 13                                     |
| 17 Acct 903-Cust Collecting-Local Uncollect Accts (904 | I) EXP_904          | 411,354                   | 331,086                            | 68,608                                      | 2,791  | 0   | 991   | 7,879   | 0                                      |
| 18 Acct 909-Miscellaneous Advertising Expense          | EXP_909             | 134,377                   | 86,769                             | 18,098                                      | 4,673  | 1,614                                       | 18,980                                      | 4,237   | 7                                      |
| 19 Acct 910-Customer Assistance Expense                | EXP_910             | (1,471)                   | (950)                              | (198)                                       | (51)   | (18)  | (208)                                       | (46)  | (0)                                    |
| 20 Acct 912-Demonstrating & Selling Exp                | EXP_912             | 268,603                   | 173,440                            | 36,175                                      | 9,341  | 3,225                                       | 37,939                                      | 8,469   | 14                                     |
| 21 Acct 913-Advertising Expense                        | EXP_913             | 46,492                    | 30,020                             | 6,261                                       | 1,617  | 558   | 6,567                                       | 1,466   | 2                                      |
| 22 Acct 916-Miscellaneous Sales                        | EXP_916             | 21,225                    | 13,705                             | 2,859                                       | 738  | 255   | 2,998                                       | 669   | 1                                      |
| 23 Acct 920-A & G Salaries                             | EXP_920             | 20,993,950                | 15,350,067                         | 3,650,591                                   | 1,124,861                                    | 226,486                                     | 268,212                                     | 369,789   | 3,943                                  |
| 24 Acct 921-Office Supplies and Expenses               | EXP_921             | 4,285,665                 | 3,133,534                          | 745,225                                     | 229,627                                      | 46,234                                      | 54,752                                      | 75,488  | 805                                    |
| 25 Acct 922-Admin Exp Transfer - CREDIT                | EXP_922             | 291                       | 213                                | 51  | 16   | 3   | 4   | 5   | 0                                      |
| 26 Acct 923-Outside Services Employed                  | EXP_923             | 3,243,751                 | 2,371,721                          | 564,049                                     | 173,801                                      | 34,994                                      | 41,441                                      | 57,136  | 609                                    |
| 27 Acct 924-Property Insurance                         | EXP_924             | 165,633                   | 121,297                            | 27,668                                      | 10,312                                       | 1,930                                       | 1,362                                       | 3,035   | 28                                     |
| 28 Acct 925-Injuries and Damages                       | EXP_925             | 632,130                   | 462,192                            | 109,920                                     | 33,870                                       | 6,820                                       | 8,076                                       | 11,134  | 119                                    |
| 29 Acct 926-Employee Pensions and Benefits             | EXP_926             | 7,725,365                 | 5,648,526                          | 1,343,347                                   | 413,927                                      | 83,342                                      | 98,697                                      | 136,075   | 1,451                                  |
| 30 Acct 928-Regulatory Commission Expenses             | EXP_928             | 2,603,164                 | 1,856,319                          | 458,078                                     | 172,381                                      | 32,012                                      | 36,696                                      | 47,218  | 460                                    |
| 31 Acct 930-Misc General Expenses                      | EXP_930             | 1,549,192                 | 1,132,717                          | 269,386                                     | 83,006                                       | 16,713                                      | 19,792                                      | 27,288  | 291                                    |
| 32 Acct 932&935-Maintenance of General Plant Exp       | EXP_932             | 33,038                    | 24,156                             | 5,745                                       | 1,770  | 356   | 422   | 582   | 6                                      |
| 33 ACCT 874-879 Distribution Operation Expense         | EXP_8719            | 4,210,252                 | 3,244,080                          | 614,850                                     | 220,949                                      | 31,718                                      | 45,838                                      | 52,069  | 748                                    |
| 34 ACCT 874-880 Distribution Operation Expense         | EXP_8710            | 5,093,278                 | 3,924,469                          | 743,804                                     | 267,289                                      | 38,370                                      | 55,452                                      | 62,990  | 905                                    |
| 35 Accts 902-904 Customer Accounts Expense             | EXP_9024            | 1,852,331                 | 1,614,985                          | 215,073                                     | 7,926  | 370   | 1,826                                       | 12,135  | 15                                     |
| 36   | _                   |                           |                                    | •   | •  |   | ,   | •   |  |
| 27   |                     |                           |                                    |   |  |   |   |   |  |

|    | Rate Base - 13-mth average attrition period ended   | 12/31/2021<br>ALLOC | Interruptible<br>Sales Service<br>Rate 304 | Interruptible<br>Transportation<br>Rate 314 |      |      |      |      |      |      |
|----|---|---------------------|--|---|------|------|------|------|------|------|
|    | ALLOCATION FACTOR TABLE CONTINUED                   |                     | (9)-2                                      | (10)  | (11) | (12) | (13) | (14) | (15) | (16) |
| 1  |   |                     |  |   |      |      |      |      |      |      |
| 3  | 3 Acct 874-Mains & Services Expense                 | EXP_874             | 598  | 42,260                                      |      |      |      |      |      |      |
| 4  | Acct 875-Measuring and Reg Stations-Ge              | EXP_875             | 0  | 0   |      |      |      |      |      |      |
| 5  | Acct 878-Meter and House Regulator Expense          | EXP_878             | 104  | 2,875                                       |      |      |      |      |      |      |
| 6  | Acct 879-Customer Installation Expense              | EXP_879             | 0  | 0   |      |      |      |      |      |      |
| 7  | Acct 880-Gas Oper Distribution-Other Expense        | EXP_880             | 147  | 9,466                                       |      |      |      |      |      |      |
| 8  | Acct 887-Dist Maintenance of Mains                  | EXP_887             | 298  | 22,196                                      |      |      |      |      |      |      |
| ç  | Acct 889-Dist Maint-Meas/Reg Stn Equip-Gas          | EXP_889             | 0  | 0   |      |      |      |      |      |      |
| 10 | Acct 890-Dist Maint-Meas/Reg Stn Eq-Indus           | EXP_890             | 0  | 0   |      |      |      |      |      |      |
| 11 | Acct 891-Dist Maint M&R Equip City Gate             | EXP_891             | 0  | 0   |      |      |      |      |      |      |
| 12 | 2 Acct 892-Dist Maintenance of Services             | EXP_892             | 22   | 617   |      |      |      |      |      |      |
| 13 | Acct 893-Dist Maint - Meters and House Reg          | EXP_893             | 45   | 1,231                                       |      |      |      |      |      |      |
| 14 | Acct 894-Dist Maint-Other Distribution Equip        | EXP_894             | 0  | 0   |      |      |      |      |      |      |
| 15 | Acct 902-Meter Reading Expense                      | EXP_902             | 2  | 42  |      |      |      |      |      |      |
| 16 | Acct 903-Cust Records & Collect Excl Local Uncoll   | EXP_903             | 13   | 779   |      |      |      |      |      |      |
| 17 | Acct 903-Cust Collecting-Local Uncollect Accts (904 | 4) EXP_904          | 0  | 991   |      |      |      |      |      |      |
| 18 | Acct 909-Miscellaneous Advertising Expense          | EXP_909             | 52   | 18,929                                      |      |      |      |      |      |      |
| 19 | Acct 910-Customer Assistance Expense                | EXP_910             | (1)  | (207)                                       |      |      |      |      |      |      |
| 20 | Acct 912-Demonstrating & Selling Exp                | EXP_912             | 103  | 37,836                                      |      |      |      |      |      |      |
| 21 | Acct 913-Advertising Expense                        | EXP_913             | 18   | 6,549                                       |      |      |      |      |      |      |
| 22 | Acct 916-Miscellaneous Sales                        | EXP_916             | 8  | 2,990                                       |      |      |      |      |      |      |
| 23 | Acct 920-A & G Salaries                             | EXP_920             | 2,776                                      | 265,436                                     |      |      |      |      |      |      |
| 24 | Acct 921-Office Supplies and Expenses               | EXP_921             | 567  | 54,186                                      |      |      |      |      |      |      |
| 25 | Acct 922-Admin Exp Transfer - CREDIT                | EXP_922             | 0  | 4   |      |      |      |      |      |      |
| 26 | Acct 923-Outside Services Employed                  | EXP_923             | 429  | 41,012                                      |      |      |      |      |      |      |
| 27 | Acct 924-Property Insurance                         | EXP_924             | 20   | 1,342                                       |      |      |      |      |      |      |
| 28 | Acct 925-Injuries and Damages                       | EXP_925             | 84   | 7,992                                       |      |      |      |      |      |      |
| 29 | Acct 926-Employee Pensions and Benefits             | EXP_926             | 1,022                                      | 97,675                                      |      |      |      |      |      |      |
| 30 | Acct 928-Regulatory Commission Expenses             | EXP_928             | 331  | 36,364                                      |      |      |      |      |      |      |
| 31 | Acct 930-Misc General Expenses                      | EXP_930             | 205  | 19,587                                      |      |      |      |      |      |      |
| 32 | 2 Acct 932&935-Maintenance of General Plant Exp     | EXP_932             | 4  | 418   |      |      |      |      |      |      |
| 33 | ACCT 874-879 Distribution Operation Expense         | EXP_8719            | 703  | 45,135                                      |      |      |      |      |      |      |
| 34 | ACCT 874-880 Distribution Operation Expense         | EXP_8710            | 850  | 54,601                                      |      |      |      |      |      |      |
| 35 | Accts 902-904 Customer Accounts Expense             | EXP_9024            | 14   | 1,812                                       |      |      |      |      |      |      |
| 36 |   |                     |  |   |      |      |      |      |      |      |
| 37 | ,   |                     |  |   |      |      |      |      |      |      |
| 38 | 3   |                     |  |   |      |      |      |      |      |      |
| 39 | )   |                     |  |   |      |      |      |      |      |      |
| 40 |   |                     |  |   |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ende  | d 12/31/2021<br>ALLOC   | TOTAL<br>COMPANY   | Residential<br>Service<br>Rate 301               | Small General<br>Service<br>Rate 302     | Medium General<br>Service<br>Rate 352    | Large General<br>Service<br>Rate 303    | Interruptible<br>Service<br>Rates 304 & 314         | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310      |
|---|---|--|--|--|--|---|---|--|--------------------------------------|
|   | , 12200   | (1)-1  | (2)  | (3)                                      | (4)                                      | (5)                                     | (6)   | (7)                                      | (8)                                  |
| ALLOCATION FACTOR TABLE CONTINUED   | 1   | . ,  | ,  | , ,                                      | ,  | ( )                                     | ,   | ( )                                      | ,                                    |
| 1 INTERNALLY DEVELOPED FACTORS CONT<br>2  |   |  |  |  |  |   |   |  |                                      |
| 3 Total Other O&M Expense (Excludes Gas Costs) 4  | EXPOOM  | 57,362,662   | 41,776,671                                       | 9,815,120                                | 3,130,141                                | 626,741                                 | 970,485   | 1,033,403                                | 10,100                               |
| 5 Total Purchased Gas Labor Expense<br>6 Total Other Storage Labor Expense<br>7   | TLABPROD<br>TLABSTOR  | 199,926<br>(157)   | 77,326<br>(104)                                  | 35,562<br>(36)                           | 13,319<br>(14)                           | 4,748<br>(3)                            | 56,425<br>0   |  | 18<br>(0)                            |
| Distribution Operation Labor Accts 874 - 880     Distribution Maintenance Labor Accts 887 - 894     Total Distribution Operation Labor Expense     Total Distribution Maintenance Labor Expense   | LABDO<br>LABDM<br>TLABDO<br>TLABDM  | 5,172,687<br>3,163,681<br>5,378,565<br>3,753,820   | 3,743,402<br>2,271,930<br>3,892,383<br>2,695,726 | 959,400<br>547,837<br>997,585<br>650,028 | 286,449<br>211,251<br>297,851<br>250,657 | 54,947<br>37,171<br>57,135<br>44,105    | 35,392<br>32,420<br>36,809<br>38,468                | 62,304<br>95,489                         | 1,264<br>767<br>1,314<br>910         |
| 12 13 Customer Account Labor Accts 902 - 905 14 Total Customer Accounts Labor Expense 15  | LABCA<br>TLABCA   | 2,241,044<br>2,261,728   | 1,940,131<br>1,958,039                           | 265,909<br>268,363                       | 13,496<br>13,620                         | 1,299<br>1,311                          | 3,249<br>3,279                                      | ,  | 67<br>68                             |
| <ul><li>16 Customer Service &amp; Info Labor Accts 910-912</li><li>17 Total Customer Service &amp; Info Labor Expense</li><li>18</li></ul>  | LABCSI<br>TLABCSI   | 10,430<br>10,430   | 6,735<br>6,735                                   | 1,405<br>1,405                           | 363<br>363                               | 125<br>125                              | 1,473<br>1,473                                      |  | 1                                    |
| <ul><li>19 Sales Expense Labor Accts 912-916</li><li>20 Total Sales Labor Expense</li><li>21</li></ul>  | LABSA<br>TLABSA   | 685,946<br>685,946   | 442,923<br>442,923                               | 92,383<br>92,383                         | 23,854<br>23,854                         | 8,237<br>8,237                          | 96,887<br>96,887                                    | 21,627<br>21,627                         | 35<br>35                             |
| <ul> <li>Sum of Allocated Labor Expense Excl Prod &amp; A&amp;</li> <li>Sum of Allocated Labor Expense Excl Prod</li> <li>Sum of Allocated Labor Expense Excl Prod</li> </ul>   | G LABORP<br>LABOR   | 13,847,884<br>18,401,337   | 10,125,104<br>13,454,392                         | 2,407,978<br>3,199,772                   | 741,973<br>985,979                       | 149,393<br>198,520                      | 176,916<br>235,093                                  |  | 2,601<br>3,456                       |
| 25 Revenue at Claimed Rate of Return<br>26 <u>Claimed Revenue</u>   | REVCLAIM  | 180,190,504  | 128,494,027                                      | 31,708,105                               | 11,932,174                               | 2,215,878                               | 2,540,057   | 3,268,406                                | 31,856                               |
| 27 Rate 301 - Residential 28 Rate 302 - Small General Service 29 Rate 352 - Medium General Service 30 Rate 303 - Large General Service 31 Rates 313 - Firm Transportation 32 Rates 310 - Sales for Resale 33 Rates 304 - Interruptible Sales Service 34 Rates 314 - Interruptible Transportation 35 Plant | REVRES<br>REVSGS<br>REVMGS<br>REVLGS<br>REVFT<br>REVSR<br>REVISS<br>REVIT | 128,494,027<br>31,708,105<br>11,932,174<br>2,215,878<br>3,268,406<br>31,856<br>22,923<br>2,517,135         | 128,494,027<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 31,708,105<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>11,932,174<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>2,215,878<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>22,923<br>2,517,135        |  | 0<br>0<br>0<br>0<br>0<br>31,856<br>0 |
| 36 Rate 301 - Residential 37 Rate 302 - Small General Service 38 Rate 352 - Medium General Service 39 Rate 303 - Large General Service 40 Rates 313 - Firm Transportation 41 Rates 310 - Sales for Resale 42 Rates 304 - Interruptible Sales Service 43 Rates 314 - Interruptible Transportation          | PLTRES PLTSGS PLTMGS PLTLGS PLTFT PLTSR PLTISS PLTIIS                     | 1,131,777,084<br>258,158,874<br>96,221,741<br>18,012,531<br>28,319,222<br>257,407<br>184,195<br>12,523,123 | 1,131,777,084<br>0<br>0<br>0<br>0<br>0<br>0      | 258,158,874<br>0<br>0<br>0<br>0<br>0     | 96,221,741<br>0<br>0<br>0                | 0<br>0<br>0<br>18,012,531<br>0<br>0     | 0<br>0<br>0<br>0<br>0<br>0<br>184,195<br>12,523,123 | 0<br>0<br>0<br>0<br>28,319,222<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>257,407     |
| 44  |   | 12,020,120   | · ·  | O  | 0  | O                                       | 12,020,120  | O  | 0                                    |

|    | Rate Base - 13-mth average attrition period ended | 12/31/2021<br>ALLOC | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2 | Interruptible<br>Transportation<br>Rate 314<br>(10) | (11) | (12) | (13) | (14) | (15) | (16) |
|----|---|---------------------|---|---|------|------|------|------|------|------|
|    | ALLOCATION FACTOR TABLE CONTINUED                 |                     | (3) 2   | (10)  | (11) | (12) | (13) | (14) | (13) | (10) |
| 1  | INTERNALLY DEVELOPED FACTORS CONT.                |                     |   |   |      |      |      |      |      |      |
|    | Total Other O&M Expense (Excludes Gas Costs)      | EXPOOM              | 7,877   | 962,608   |      |      |      |      |      |      |
|    | Total Purchased Gas Labor Expense                 | TLABPROD            | 151   | 56,273  |      |      |      |      |      |      |
| 6  | Total Other Storage Labor Expense                 | TLABSTOR            | 0   | 0   |      |      |      |      |      |      |
|    | Distribution Operation Labor Accts 874 - 880      | LABDO               | 818   | 34,574  |      |      |      |      |      |      |
| 9  | Distribution Maintenance Labor Accts 887 - 894    | LABDM               | 559   | 31,861  |      |      |      |      |      |      |
| 10 | Total Distribution Operation Labor Expense        | TLABDO              | 851   | 35,959  |      |      |      |      |      |      |
| 11 | Total Distribution Maintenance Labor Expense      | TLABDM              | 664   | 37,804  |      |      |      |      |      |      |
| 12 |   |                     |   |   |      |      |      |      |      |      |
| 13 | Customer Account Labor Accts 902 - 905            | LABCA               | 49  | 3,200   |      |      |      |      |      |      |
| 14 | Total Customer Accounts Labor Expense             | TLABCA              | 50  | 3,230   |      |      |      |      |      |      |
| 15 | <b>'</b>  |                     |   | ,   |      |      |      |      |      |      |
| 16 | Customer Service & Info Labor Accts 910-912       | LABCSI              | 4   | 1,469   |      |      |      |      |      |      |
|    | Total Customer Service & Info Labor Expense       | TLABCSI             | 4   | 1,469   |      |      |      |      |      |      |
| 18 | •   |                     |   | ,   |      |      |      |      |      |      |
|    | Sales Expense Labor Accts 912-916                 | LABSA               | 263   | 96,624  |      |      |      |      |      |      |
|    | Total Sales Labor Expense                         | TLABSA              | 263   | 96,624  |      |      |      |      |      |      |
| 21 |   |                     |   | ,-  |      |      |      |      |      |      |
|    | Sum of Allocated Labor Expense Excl Prod & A&G    | LABORP              | 1,831   | 175,085   |      |      |      |      |      |      |
|    | Sum of Allocated Labor Expense Excl Prod          | LABOR               | 2,433   | 232,660   |      |      |      |      |      |      |
| 24 |   |                     | ,   | ,,,,,,  |      |      |      |      |      |      |
| 25 | Revenue at Claimed Rate of Return                 | REVCLAIM            | 22,923  | 2,517,135   |      |      |      |      |      |      |
| 26 | Claimed Revenue                                   |                     |   |   |      |      |      |      |      |      |
| 27 | Rate 301 - Residential                            | REVRES              | 0   | 0   |      |      |      |      |      |      |
| 28 | Rate 302 - Small General Service                  | REVSGS              | 0   | 0   |      |      |      |      |      |      |
| 29 | Rate 352 - Medium General Service                 | REVMGS              | 0   | 0   |      |      |      |      |      |      |
| 30 | Rate 303 - Large General Service                  | REVLGS              | 0   | 0   |      |      |      |      |      |      |
|    | Rates 313 - Firm Transportation                   | REVFT               | 0   | 0   |      |      |      |      |      |      |
|    | Rates 310 - Sales for Resale                      | REVSR               | 0   | 0   |      |      |      |      |      |      |
|    | Rates 304 - Interruptible Sales Service           | REVISS              | 22,923  | 0   |      |      |      |      |      |      |
|    | Rates 314 - Interruptible Transportation          | REVIT               | 0   | 2,517,135   |      |      |      |      |      |      |
| 35 |   |                     |   |   |      |      |      |      |      |      |
| 36 | Rate 301 - Residential                            | PLTRES              | 0   | 0   |      |      |      |      |      |      |
| 37 | Rate 302 - Small General Service                  | PLTSGS              | 0   | 0   |      |      |      |      |      |      |
|    | Rate 352 - Medium General Service                 | PLTMGS              | 0   | 0   |      |      |      |      |      |      |
|    | Rate 303 - Large General Service                  | PLTLGS              | 0   | 0   |      |      |      |      |      |      |
|    | Rates 313 - Firm Transportation                   | PLTFT               | 0   | 0   |      |      |      |      |      |      |
|    | Rates 310 - Sales for Resale                      | PLTSR               | 0   | 0   |      |      |      |      |      |      |
|    | Rates 304 - Interruptible Sales Service           | PLTISS              | 184,195   | 0   |      |      |      |      |      |      |
|    | Rates 314 - Interruptible Transportation          | PLTIT               | 0   | 12,523,123  |      |      |      |      |      |      |
| 44 |   |                     |   |   |      |      |      |      |      |      |
| 45 |   |                     |   |   |      |      |      |      |      |      |
|    |   |                     |   |   |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ended | 12/31/2021<br>ALLOC | TOTAL<br>COMPANY<br>(1)-1 | Residential<br>Service<br>Rate 301<br>(2) | Small General<br>Service<br>Rate 302<br>(3) | Medium General<br>Service<br>Rate 352<br>(4) | Large General<br>Service<br>Rate 303<br>(5) | Interruptible<br>Service<br>Rates 304 & 314<br>(6) | Firm Transportion<br>Service<br>Rate 313<br>(7) | Sales for<br>Resale<br>Rate 310<br>(8) |
|---|---------------------|---------------------------|---|---|--|---|--|---|--|
| ALLOCATION FACTOR TABLE CONTINUED                 |                     | (., .                     | (2)                                       | (0)   | ( - /  | (0)   | (0)  | (,,   | (0)                                    |
| 1 PRESENT REVENUE FROM SALES INPUT                |                     |                           |   |   |  |   |  |   |  |
| 3 Base Sales Revenues                             | =                   | 114,418,353               | 68,020,492                                | 27,918,496                                  | 8,499,034                                    | 1,857,143                                   | 4,348,615  | 3,757,838                                       | 16,734                                 |
| 4 Integrity Management Revenues                   |                     | 35,853,030                | 21,384,181                                | 8,970,428                                   | 2,215,717                                    | 478,997                                     | 1,509,054  | 1,284,614                                       | 10,039                                 |
| 5 Total Base Margin                               |                     | 150,271,383               | 89,404,673                                | 36,888,924                                  | 10,714,751                                   | 2,336,139                                   | 5,857,669  | 5,042,452                                       | 26,773                                 |
| 6 Gas Cost Revenues                               |                     | 61,472,261                | 35,432,842                                | 16,295,472                                  | 6,102,937                                    | 2,242,315                                   | 50,069   | 1,327,594                                       | 21,031                                 |
| 7 Sales and Transporation Revenue                 |                     | 211,743,643               | 124,837,515                               | 53,184,397                                  | 16,817,689                                   | 4,578,455                                   | 5,907,738  | 6,370,046                                       | 47,805                                 |
| 8 Minimum Margin Agreement Revenues               |                     | 252,305                   | 0   | 0   | 0  | 13,505                                      | 0  | 238,800   | 0                                      |
| 9 Unprotected Excess ADIT Refund                  |                     | (9,333,186)               | -5,466,685                                | -2,195,895                                  | -822,401                                     | -54,605                                     | (648,888)  | -144,065  | -648                                   |
| 10 Special Contract (Other Operating Revenue)     |                     | 259,159                   |   |   |  |   |  |   |  |
| 11 Total Sales & Transportation Revenue           |                     | 202,921,922               |   |   |  |   |  |   |  |
| 12  |                     |                           |   |   |  |   |  |   |  |
| 13  |                     |                           |   |   |  |   |  |   |  |
| 14 BILLING DETERMINANTS                           |                     |                           |   |   |  |   |  |   |  |
| 15  | -                   | 7.4040/                   | 7.4000/                                   | 7.4000/                                     | 7.4000/                                      | 7.4000/                                     | 7.4040/  | 7.4000/   | 7.4000/                                |
| 16 Claimed Rate of Return 17 Annual Therm Sales   |                     | 7.101%                    | 7.100%                                    | 7.100%                                      | 7.100%                                       | 7.100%                                      | 7.101%   |   | 7.100%                                 |
|   |                     | 339,980,814               | 131,496,220                               | 60,474,772                                  | 22,648,852                                   | 8,074,514                                   | 95,951,898   | 21,303,108                                      | 31,451                                 |
| 18 Proposed Base Rate Revenue                     |                     | 180,442,928               | 110,763,935                               | 41,614,496                                  | 12,848,100                                   | 2,682,371                                   | 6,607,957  | 5,893,964                                       | 32,104                                 |
| 19 Total Average Annual Number of Customers       |                     | 193,851                   | 175,367                                   | 17,734                                      | 568  | 52  | 51   | 77  | 2                                      |
| 20  |                     |                           |   |   |  |   |  |   |  |

| Rate Base - 13-mth average attrition period ended 12/31/2021 ALLOC   | Interruptible<br>Sales Service<br>Rate 304                   | Interruptible<br>Transportation<br>Rate 314<br>(10)                    | (11) | (12) | (13) | (14) | (15) | (16) |
|--|--|--|------|------|------|------|------|------|
| ALLOCATION FACTOR TABLE CONTINUED  | (9)-2  | (10)   | (11) | (12) | (13) | (14) | (15) | (16) |
| 1 PRESENT REVENUE FROM SALES INPUT   |  |  |      |      |      |      |      |      |
| Base Sales Revenues  Integrity Management Revenues  Total Base Margin  Gas Cost Revenues  Sales and Transporation Revenue  Minimum Margin Agreement Revenues  Unprotected Excess ADIT Refund  Special Contract (Other Operating Revenue)  Total Sales & Transportation Revenue  BILLING DETERMINANTS | 42,011<br>4,661<br>46,672<br>50,069<br>96,741<br>0<br>-1,739 | 4,306,604<br>1,504,393<br>5,810,997<br>0<br>5,810,997<br>0<br>-647,148 |      |      |      |      |      |      |
| 15   | 7.100%<br>257,216<br>55,368<br>2                             | 7.100%<br>95,694,681<br>6,552,589<br>49                                |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ended                        | 12/31/2021  | TOTAL            | Residential<br>Service | Small General<br>Service | Medium General<br>Service | Large General<br>Service | Interruptible<br>Service | Firm Transportion<br>Service | Sales for<br>Resale |
|--|-------------|------------------|------------------------|--------------------------|---------------------------|--------------------------|--------------------------|------------------------------|---------------------|
|  | ALLOC       | COMPANY<br>(1)-1 | Rate 301<br>(2)        | Rate 302<br>(3)          | Rate 352<br>(4)           | Rate 303<br>(5)          | Rates 304 & 314<br>(6)   | Rate 313<br>(7)              | Rate 310<br>(8)     |
| RATIO TABLE  |             | ( )              | ( )                    | (-/                      | ( )                       | (-/                      | (-/                      | ( )                          | (-)                 |
| 1  | <del></del> |                  |                        |                          |                           |                          |                          |                              |                     |
| 3<br>4 <u>STORAGE</u>  |             |                  |                        |                          |                           |                          |                          |                              |                     |
| 5 LNG Storage - Remaining Design Day Sales Dem<br>6<br>7                 | DEMSTOR     | 1.00000          | 0.66197                | 0.22750                  | 0.08932                   | 0.02106                  | 0.00000                  | 0.00000                      | 0.00016             |
| 8 <u>TRANSMISSION</u>  |             |                  |                        |                          |                           |                          |                          |                              |                     |
| 9 Design Day Demands (Therms)  | DEMTRAN     | 1.00000          | 0.62324                | 0.22569                  | 0.08780                   | 0.02273                  | 0.00000                  | 0.04039                      | 0.00015             |
| 9 Design Day Demands (Therms)  | DEMTRANM    | 1.00000          | 0.58070                | 0.21028                  | 0.08181                   | 0.02118                  | 0.06826                  | 0.03763                      | 0.00014             |
| 11<br>12 DISTRIBUTION  |             |                  |                        |                          |                           |                          |                          |                              |                     |
| 13 Distribution Load Dispatching - Annual Sendout                        | DEMAVG      | 1.00000          | 0.38678                | 0.17788                  | 0.06662                   | 0.02375                  | 0.28223                  | 0.06266                      | 0.00009             |
| 14 Distribution Mains Above 2"   | DEMDISTM    | 1.00000          | 0.58070                | 0.21028                  | 0.08181                   | 0.02118                  | 0.06826                  | 0.03763                      | 0.00014             |
| 15 Distribution - Design Day Demands (Therms)                            | DEMDIST     | 1.00000          | 0.62324                | 0.22569                  | 0.08780                   | 0.02273                  | 0.00000                  | 0.04039                      | 0.00015             |
| 16   |             |                  |                        |                          |                           |                          |                          |                              |                     |
| 17   |             |                  |                        |                          |                           |                          |                          |                              |                     |
| 18 19 COMMODITY RELATED  |             |                  |                        |                          |                           |                          |                          |                              |                     |
| 20   |             |                  |                        |                          |                           |                          |                          |                              |                     |
| 21 Annual Therms - Weather Normalized - Sendout                          | ESALES      | 1.00000          | 0.38678                | 0.17788                  | 0.06662                   | 0.02375                  | 0.28223                  | 0.06266                      | 0.00009             |
| 22   |             |                  |                        |                          |                           |                          |                          |                              |                     |
| 23 Cost of Gas   | EGASCOST    | 1.00000          | 0.57640                | 0.26509                  | 0.09928                   | 0.03648                  | 0.00081                  | 0.02160                      | 0.00034             |
| 24   | ENECTOR     | 4 00000          | 0.00000                | 0.04004                  | 0.00504                   | 0.00070                  | 0.00000                  | 0.00000                      | 0.00045             |
| <ul><li>25 3 Month Winter Sales (Therms) Dec to Feb</li><li>26</li></ul> | ENESTOR     | 1.00000          | 0.62690                | 0.24884                  | 0.09531                   | 0.02879                  | 0.00000                  | 0.00000                      | 0.00015             |

| Rate Base        | e - 13-mth average attrition period ended       | 12/31/2021 | Interruptible<br>Sales Service | Interruptible                      |      |      |      |      |      |      |
|------------------|---|------------|--------------------------------|------------------------------------|------|------|------|------|------|------|
|                  |   | ALLOC      | Rate 304<br>(9)-2              | Transportation<br>Rate 314<br>(10) | (11) | (12) | (13) | (14) | (15) | (16) |
|                  | RATIO TABLE                                     |            | (3)-2                          | (10)                               | (11) | (12) | (13) | (14) | (13) | (10) |
| 1                | CAPACITY RELATED                                |            |                                |                                    |      |      |      |      |      |      |
| 3                |   | -          |                                |                                    |      |      |      |      |      |      |
| 4<br>5 LNG Stora | STORAGE<br>age - Remaining Design Day Sales Dem | DEMSTOR    | 0.00000                        | 0.00000                            |      |      |      |      |      |      |
| 6                | age .tomaning 200igii 2a, Qaioo 2011.           | 22         |                                |                                    |      |      |      |      |      |      |
| 7<br>8           | TRANSMISSION                                    |            |                                |                                    |      |      |      |      |      |      |
| 9 Design Da      | ay Demands (Therms)                             | DEMTRAN    | 0.00000                        | 0.00000                            |      |      |      |      |      |      |
|                  | ay Demands (Therms)                             | DEMTRANM   | 0.00018                        | 0.06808                            |      |      |      |      |      |      |
| 11               |   |            |                                |                                    |      |      |      |      |      |      |
| 12               | DISTRIBUTION                                    |            |                                |                                    |      |      |      |      |      |      |
| 13 Distribution  | on Load Dispatching - Annual Sendout            | DEMAVG     | 0.00076                        | 0.28147                            |      |      |      |      |      |      |
|                  | on Mains Above 2"                               | DEMDISTM   | 0.00018                        | 0.06808                            |      |      |      |      |      |      |
| 15 Distribution  | on - Design Day Demands (Therms)                | DEMDIST    | 0.00000                        | 0.00000                            |      |      |      |      |      |      |
| 16               |   |            |                                |                                    |      |      |      |      |      |      |
| 17               |   |            |                                |                                    |      |      |      |      |      |      |
| 18               |   |            |                                |                                    |      |      |      |      |      |      |
| 19<br>20         | COMMODITY RELATED                               |            |                                |                                    |      |      |      |      |      |      |
| 21 Annual Th     | nerms - Weather Normalized - Sendout            | ESALES     | 0.00076                        | 0.28147                            |      |      |      |      |      |      |
| 22               |   |            |                                |                                    |      |      |      |      |      |      |
| 23 Cost of G     | as  | EGASCOST   | 0.00081                        | 0.00000                            |      |      |      |      |      |      |
| 25 3 Month V     | Winter Sales (Therms) Dec to Feb                | ENESTOR    | 0.00000                        | 0.00000                            |      |      |      |      |      |      |
| 26               |   |            |                                |                                    |      |      |      |      |      |      |
| 27               |   |            |                                |                                    |      |      |      |      |      |      |
| 28               |   |            |                                |                                    |      |      |      |      |      |      |
| 29               |   |            |                                |                                    |      |      |      |      |      |      |

|        | Rate Base - 13-mth average attrition period ended | 12/31/2021<br>ALLOC | TOTAL<br>COMPANY | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium General<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 |
|--------|---|---------------------|------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|--|---------------------------------|
|        | RATIO TABLE CONTINUED                             |                     | (1)-1            | (2)                                | (3)                                  | (4)                                   | (5)                                  | (6)   | (7)                                      | (8)                             |
| 1      | CUSTOMER RELATED                                  |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 3      | Acct 376 - Mains Above 2 Inches - Customer Relate |                     | 1.00000          | 0.38678                            | 0.17788                              | 0.32979                               | 0.02993                              | 0.02959                                     | 0.04487                                  | 0.00116                         |
| 4<br>5 | Acct 376 - Mains <= 2 Inches - Customer Related   | CUST376B            | 1.00000          | 0.90816                            | 0.09184                              | 0.00000                               | 0.00000                              | 0.00000                                     | 0.00000                                  | 0.00000                         |
| -      | Acct 380-Service Investment                       | CUST_380            | 1.00000          | 0.85240                            | 0.13646                              | 0.00775                               | 0.00084                              | 0.00114                                     | 0.00140                                  | 0.00001                         |
| 7<br>9 | Accts 381-385-Meters & Regulators Investment      | CUST_38185          | 1.00000          | 0.73727                            | 0.20028                              | 0.03904                               | 0.00648                              | 0.00693                                     | 0.00963                                  | 0.00036                         |
| 9      | Acct 902-Meter Reading Expense                    | CUST_902            | 1.00000          | 0.84947                            | 0.10367                              | 0.02630                               | 0.00570                              | 0.00613                                     | 0.00840                                  | 0.00032                         |
| 10     | Acct 903-Customer Records Exp                     | CUST_903            | 1.00000          | 0.90465                            | 0.09148                              | 0.00293                               | 0.00027                              | 0.00026                                     | 0.00040                                  | 0.00001                         |
| 11     | Acct 909-Cust Serv & Info Advertising Exp.        | CUST_909            | 1.00000          | 0.64571                            | 0.13468                              | 0.03477                               | 0.01201                              | 0.14125                                     | 0.03153                                  | 0.00005                         |
| 12     | Acct 910-Customer Assistance Expense              | CUST 910            | 1.00000          | 0.64571                            | 0.13468                              | 0.03477                               | 0.01201                              | 0.14125                                     | 0.03153                                  | 0.00005                         |
| 13     | Acct 912-Demonstrating and Selling                | CUST_912            | 1.00000          | 0.64571                            | 0.13468                              | 0.03477                               | 0.01201                              | 0.14125                                     | 0.03153                                  | 0.00005                         |
| 14     | Acct 913-Advertising Expense                      | CUST_913            | 1.00000          | 0.64571                            | 0.13468                              | 0.03477                               | 0.01201                              | 0.14125                                     | 0.03153                                  | 0.00005                         |
| 15     | Acct 916-Miscellaneous Sales Expense              | CUST_916            | 1.00000          | 0.64571                            | 0.13468                              | 0.03477                               | 0.01201                              | 0.14125                                     | 0.03153                                  | 0.00005                         |
| 16     | •   |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 17     | Average Annual Firm Customers (50%)               | CUST                |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 18     | Weather Normalized Annual Firm DT (50%)           | ESALES              |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 19     | Weighted Customers and Sales                      |                     | 1.00000          | 0.64571                            | 0.13468                              | 0.03477                               | 0.01201                              | 0.14125                                     | 0.03153                                  | 0.00005                         |
| 20     | _   |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 21     | Customer Deposits                                 | CUSTDEP             | 1.00000          | 0.90816                            | 0.09184                              | 0.00000                               | 0.00000                              | 0.00000                                     | 0.00000                                  | 0.00000                         |
| 22     | !   |                     | 0.00000          | 0.00000                            | 0.00000                              | 0.00000                               | 0.00000                              | 0.00000                                     | 0.00000                                  | 0.00000                         |
| 23     | <b>;</b>  |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 24     | ļ   |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 25     | Average Annual Number of Customers                | CUST                | 1.00000          | 0.90465                            | 0.09148                              | 0.00293                               | 0.00027                              | 0.00026                                     | 0.00040                                  | 0.00001                         |
| 26     | Average Annual Number of Bills                    |                     | 1.00000          | 0.90465                            | 0.09148                              | 0.00293                               | 0.00027                              | 0.00026                                     | 0.00040                                  | 0.00001                         |
| 27     | •   |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |

| Rate Base - 13-mth average attrition period ended 12/31/2021 |  | Interruptible<br>Sales Service   | Interruptible<br>Transportation |                               |      |      |      |      |      |      |
|--|--|----------------------------------|---------------------------------|-------------------------------|------|------|------|------|------|------|
|  |  | ALLOC                            | Rate 304<br>(9)-2               | Rate 314<br>(10)              | (11) | (12) | (13) | (14) | (15) | (16) |
|  | RATIO TABLE CONTINUED  |                                  | (9)-2                           | (10)                          | (11) | (12) | (13) | (14) | (13) | (10) |
| 1  | CUSTOMER RELATED   |                                  |                                 |                               |      |      |      |      |      |      |
| 4  |  | CUST376A<br>CUST376B             | 0.00116<br>0.00000              | 0.02843<br>0.00000            |      |      |      |      |      |      |
|  | Acct 380-Service Investment Accts 381-385-Meters & Regulators Investment                             | CUST_380<br>CUST_38185           | 0.00004<br>0.00024              | 0.00110<br>0.00669            |      |      |      |      |      |      |
|  | Acct 902-Meter Reading Expense Acct 903-Customer Records Exp   | CUST_902<br>CUST_903             | 0.00022<br>0.00001              | 0.00592<br>0.00025            |      |      |      |      |      |      |
| 11<br>12   | Acct 909-Cust Serv & Info Advertising Exp. Acct 910-Customer Assistance Expense                      | CUST_909<br>CUST_910             | 0.00038<br>0.00038              | 0.14086<br>0.14086            |      |      |      |      |      |      |
| 14<br>15   | Acct 912-Demonstrating and Selling Acct 913-Advertising Expense Acct 916-Miscellaneous Sales Expense | CUST_912<br>CUST_913<br>CUST_916 | 0.00038<br>0.00038<br>0.00038   | 0.14086<br>0.14086<br>0.14086 |      |      |      |      |      |      |
|  | Average Annual Firm Customers (50%)<br>Weather Normalized Annual Firm DT (50%)                       | CUST<br>ESALES                   |                                 |                               |      |      |      |      |      |      |
| 19<br>20   | Weighted Customers and Sales   |                                  | 0.00038                         | 0.14086                       |      |      |      |      |      |      |
| 21<br>22<br>23   | Customer Deposits  | CUSTDEP                          | 0.00000<br>0.00000              | 0.00000<br>0.00000            |      |      |      |      |      |      |
| 26<br>27   | Average Annual Number of Customers<br>Average Annual Number of Bills                                 | CUST                             | 0.00001<br>0.00001              | 0.00025<br>0.00025            |      |      |      |      |      |      |
| 29<br>30   |  |                                  |                                 |                               |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ender  | d 12/31/2021<br>ALLOC | TOTAL<br>COMPANY | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium General<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 |
|--|-----------------------|------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|--|---------------------------------|
| RATIO TABLE CONTINUED                              |                       | (1)-1            | (2)                                | (3)                                  | (4)                                   | (5)                                  | (6)   | (7)                                      | (8)                             |
| 1 INTERNALLY DEVELOPED FACTORS                     |                       |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 2  |                       |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 3 Accts 374 & 375 - Land & Rights and Struc & Imp  | rov PLT_37475         | 1.00000          | 0.62324                            | 0.22569                              | 0.08780                               | 0.02273                              | 0.00000                                     | 0.04039                                  | 0.00015                         |
| 4 Acct 376 - Mains                                 | PLT_376               | 1.00000          | 0.74935                            | 0.13057                              | 0.07609                               | 0.00958                              | 0.01867                                     | 0.01551                                  | 0.00024                         |
| 5 Accts 378 & 379 - Meas & Regulation Station      | PLT_37879             | 1.00000          | 0.62324                            | 0.22569                              | 0.08780                               | 0.02273                              | 0.00000                                     | 0.04039                                  | 0.00015                         |
| 6 Acct 380 - Services                              | PLT_380               | 1.00000          | 0.85240                            | 0.13646                              | 0.00775                               | 0.00084                              | 0.00114                                     | 0.00140                                  | 0.00001                         |
| 7 Accts 381 Thru 385 - Meters & Regulators         | PLT_38185             | 1.00000          | 0.73727                            | 0.20028                              | 0.03904                               | 0.00648                              | 0.00693                                     | 0.00963                                  | 0.00036                         |
| 8  |                       |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 9 Accts 376 & 380 - Mains and Services             | PLT_37680             | 1.00000          | 0.78689                            | 0.13271                              | 0.05119                               | 0.00640                              | 0.01228                                     | 0.01037                                  | 0.00016                         |
| 10   |                       |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 11 Total Intangible Plant                          | INTANPLT              | 1.00000          | 0.73233                            | 0.16704                              | 0.06226                               | 0.01166                              | 0.00822                                     | 0.01832                                  | 0.00017                         |
| 12 Total Local Storage Plant                       | STORPLT               | 1.00000          | 0.66197                            | 0.22750                              | 0.08932                               | 0.02106                              | 0.00000                                     | 0.00000                                  | 0.00016                         |
| 13 Total Transmission Plant                        | TRANPLT               | 1.00000          | 0.62324                            | 0.22569                              | 0.08780                               | 0.02273                              | 0.00000                                     | 0.04039                                  | 0.00015                         |
| 14 Total Distribution Plant                        | DISTPLT               | 1.00000          | 0.77717                            | 0.14097                              | 0.05175                               | 0.00703                              | 0.01144                                     | 0.01147                                  | 0.00017                         |
| 15 Total General Plant                             | GENPLT                | 1.00000          | 0.73116                            | 0.17389                              | 0.05358                               | 0.01079                              | 0.01278                                     | 0.01761                                  | 0.00019                         |
| 16   |                       |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 17 Total Transmission Plant and Distribution Plant | TDPLT                 | 1.00000          | 0.73578                            | 0.16375                              | 0.06144                               | 0.01125                              | 0.00836                                     | 0.01925                                  | 0.00017                         |
| 18   |                       |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 19 Total Gas Plant in Service                      | PLANT                 | 1.00000          | 0.73233                            | 0.16704                              | 0.06226                               | 0.01166                              | 0.00822                                     | 0.01832                                  | 0.00017                         |
| 20   |                       |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 21 Total Construction Work in Progress             | CWIP                  | 1.00000          | 0.72316                            | 0.17297                              | 0.06218                               | 0.01232                              | 0.00864                                     | 0.02056                                  | 0.00017                         |
| 22   |                       |                  |                                    |                                      |                                       |                                      |   |  |                                 |
|  |                       |                  |                                    |                                      |                                       |                                      |   |  |                                 |

| Rate Base - 13-mth average attrition period ended 12/31/2021 |           | Interruptible<br>Sales Service | Interruptible<br>Transportation |      |      |      |      |      |      |
|--|-----------|--------------------------------|---------------------------------|------|------|------|------|------|------|
|  | ALLOC     | Rate 304<br>(9)-2              | Rate 314<br>(10)                | (11) | (12) | (13) | (14) | (15) | (16) |
| RATIO TABLE CONTINUED  |           | (9)-2                          | (10)                            | (11) | (12) | (13) | (14) | (13) | (10) |
| 1 INTERNALLY DEVELOPED FACTORS                               |           |                                |                                 |      |      |      |      |      |      |
| 3 Accts 374 & 375 - Land & Rights and Struc & Impi           |           | 0.00000                        | 0.00000                         |      |      |      |      |      |      |
| 4 Acct 376 - Mains   | PLT_376   | 0.00025                        | 0.01842                         |      |      |      |      |      |      |
| 5 Accts 378 & 379 - Meas & Regulation Station                | PLT_37879 | 0.00000                        | 0.00000                         |      |      |      |      |      |      |
| 6 Acct 380 - Services  | PLT_380   | 0.00004                        | 0.00110                         |      |      |      |      |      |      |
| 7 Accts 381 Thru 385 - Meters & Regulators                   | PLT_38185 | 0.00024                        | 0.00669                         |      |      |      |      |      |      |
| 8  |           |                                |                                 |      |      |      |      |      |      |
| 9 Accts 376 & 380 - Mains and Services                       | PLT_37680 | 0.00017                        | 0.01211                         |      |      |      |      |      |      |
| 10   |           |                                |                                 |      |      |      |      |      |      |
| 11 Total Intangible Plant                                    | INTANPLT  | 0.00012                        | 0.00810                         |      |      |      |      |      |      |
| 12 Total Local Storage Plant                                 | STORPLT   | 0.00000                        | 0.00000                         |      |      |      |      |      |      |
| 13 Total Transmission Plant                                  | TRANPLT   | 0.00000                        | 0.00000                         |      |      |      |      |      |      |
| 14 Total Distribution Plant                                  | DISTPLT   | 0.00017                        | 0.01127                         |      |      |      |      |      |      |
| 15 Total General Plant                                       | GENPLT    | 0.00013                        | 0.01264                         |      |      |      |      |      |      |
| 16   |           |                                |                                 |      |      |      |      |      |      |
| 17 Total Transmission Plant and Distribution Plant           | TDPLT     | 0.00012                        | 0.00824                         |      |      |      |      |      |      |
| 18   |           |                                |                                 |      |      |      |      |      |      |
| 19 Total Gas Plant in Service                                | PLANT     | 0.00012                        | 0.00810                         |      |      |      |      |      |      |
| 20   |           |                                |                                 |      |      |      |      |      |      |
| 21 Total Construction Work in Progress                       | CWIP      | 0.00011                        | 0.00853                         |      |      |      |      |      |      |
| 22   |           |                                |                                 |      |      |      |      |      |      |
| 23   |           |                                |                                 |      |      |      |      |      |      |
| 24   |           |                                |                                 |      |      |      |      |      |      |

|    | Rate Base - 13-mth average attrition period ended 1 | 12/31/2021<br>ALLOC | TOTAL<br>COMPANY | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium General<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Interruptible<br>Service<br>Rates 304 & 314 | Firm Transportion<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 |
|----|---|---------------------|------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|--|---------------------------------|
|    | RATIO TABLE CONTINUED                               |                     | (1)-1            | (2)                                | (3)                                  | (4)                                   | (5)                                  | (6)   | (7)                                      | (8)                             |
| 1  | INTERNALLY DEVELOPED FACTORS CONT.                  |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |
| 2  | Acct 874-Mains & Services Expense                   | EXP 874             | 1.00000          | 0.78689                            | 0.13271                              | 0.05119                               | 0.00640                              | 0.01228                                     | 0.01037                                  | 0.00016                         |
| 4  | Acct 875-Measuring and Reg Stations-Ge              | EXP_875             | 1.00000          | 0.62324                            | 0.22569                              | 0.08780                               | 0.02273                              | 0.00000                                     | 0.04039                                  | 0.00015                         |
|    | Acct 878-Meter and House Regulator Expense          | EXP 878             | 1.00000          | 0.73727                            | 0.20028                              | 0.03904                               | 0.00648                              | 0.00693                                     | 0.00963                                  | 0.00036                         |
| 6  | Acct 879-Customer Installation Expense              | EXP_879             | 1.00000          | 0.62324                            | 0.22569                              | 0.08780                               | 0.02273                              | 0.00000                                     | 0.04039                                  | 0.00015                         |
| 7  | Acct 880-Gas Oper Distribution-Other Expense        | EXP 880             | 1.00000          | 0.77052                            | 0.14604                              | 0.05248                               | 0.00753                              | 0.01089                                     | 0.01237                                  | 0.00018                         |
| 8  | Acct 887-Dist Maintenance of Mains                  | EXP_887             | 1.00000          | 0.74935                            | 0.13057                              | 0.07609                               | 0.00958                              | 0.01867                                     | 0.01551                                  | 0.00024                         |
| 9  | Acct 889-Dist Maint-Meas/Reg Stn Equip-Gas          | EXP_889             | 1.00000          | 0.62324                            | 0.22569                              | 0.08780                               | 0.02273                              | 0.00000                                     | 0.04039                                  | 0.00015                         |
| 10 | Acct 890-Dist Maint-Meas/Reg Stn Eq-Indus           | EXP_890             | 1.00000          | 0.62324                            | 0.22569                              | 0.08780                               | 0.02273                              | 0.00000                                     | 0.04039                                  | 0.00015                         |
| 11 | Acct 891-Dist Maint M&R Equip City Gate             | EXP_891             | 1.00000          | 0.62324                            | 0.22569                              | 0.08780                               | 0.02273                              | 0.00000                                     | 0.04039                                  | 0.00015                         |
| 12 | Acct 892-Dist Maintenance of Services               | EXP_892             | 1.00000          | 0.85240                            | 0.13646                              | 0.00775                               | 0.00084                              | 0.00114                                     | 0.00140                                  | 0.00001                         |
| 13 | Acct 893-Dist Maint - Meters and House Reg          | EXP_893             | 1.00000          | 0.73727                            | 0.20028                              | 0.03904                               | 0.00648                              | 0.00693                                     | 0.00963                                  | 0.00036                         |
| 14 | Acct 894-Dist Maint-Other Distribution Equip        | EXP_894             | 1.00000          | 0.62324                            | 0.22569                              | 0.08780                               | 0.02273                              | 0.00000                                     | 0.04039                                  | 0.00015                         |
| 15 | Acct 902-Meter Reading Expense                      | EXP_902             | 1.00000          | 0.84947                            | 0.10367                              | 0.02630                               | 0.00570                              | 0.00613                                     | 0.00840                                  | 0.00032                         |
| 16 | Acct 903-Cust Records & Collect Excl Local Uncoll   | EXP_903             | 1.00000          | 0.89120                            | 0.10163                              | 0.00345                               | 0.00023                              | 0.00055                                     | 0.00293                                  | 0.00001                         |
| 17 | Acct 903-Cust Collecting-Local Uncollect Accts (904 | ) EXP_904           | 1.00000          | 0.80487                            | 0.16679                              | 0.00679                               | 0.00000                              | 0.00241                                     | 0.01915                                  | 0.00000                         |
| 18 | Acct 909-Miscellaneous Advertising Expense          | EXP_909             | 1.00000          | 0.64571                            | 0.13468                              | 0.03477                               | 0.01201                              | 0.14125                                     | 0.03153                                  | 0.00005                         |
| 19 | Acct 910-Customer Assistance Expense                | EXP_910             | 1.00000          | 0.64571                            | 0.13468                              | 0.03477                               | 0.01201                              | 0.14125                                     | 0.03153                                  | 0.00005                         |
| 20 | Acct 912-Demonstrating & Selling Exp                | EXP_912             | 1.00000          | 0.64571                            | 0.13468                              | 0.03477                               | 0.01201                              | 0.14125                                     | 0.03153                                  | 0.00005                         |
| 21 | Acct 913-Advertising Expense                        | EXP_913             | 1.00000          | 0.64571                            | 0.13468                              | 0.03477                               | 0.01201                              | 0.14125                                     | 0.03153                                  | 0.00005                         |
| 22 | Acct 916-Miscellaneous Sales                        | EXP_916             | 1.00000          | 0.64571                            | 0.13468                              | 0.03477                               | 0.01201                              | 0.14125                                     | 0.03153                                  | 0.00005                         |
| 23 | Acct 920-A & G Salaries                             | EXP_920             | 1.00000          | 0.73117                            | 0.17389                              | 0.05358                               | 0.01079                              | 0.01278                                     | 0.01761                                  | 0.00019                         |
| 24 | Acct 921-Office Supplies and Expenses               | EXP_921             | 1.00000          | 0.73117                            | 0.17389                              | 0.05358                               | 0.01079                              | 0.01278                                     | 0.01761                                  | 0.00019                         |
| 25 | Acct 922-Admin Exp Transfer - CREDIT                | EXP_922             | 1.00000          | 0.73117                            | 0.17389                              | 0.05358                               | 0.01079                              | 0.01278                                     | 0.01761                                  | 0.00019                         |
|    | Acct 923-Outside Services Employed                  | EXP_923             | 1.00000          | 0.73117                            | 0.17389                              | 0.05358                               | 0.01079                              | 0.01278                                     | 0.01761                                  | 0.00019                         |
| 27 | Acct 924-Property Insurance                         | EXP_924             | 1.00000          | 0.73233                            | 0.16704                              | 0.06226                               | 0.01166                              | 0.00822                                     | 0.01832                                  | 0.00017                         |
| 28 | Acct 925-Injuries and Damages                       | EXP_925             | 1.00000          | 0.73117                            | 0.17389                              | 0.05358                               | 0.01079                              | 0.01278                                     | 0.01761                                  | 0.00019                         |
| 29 | Acct 926-Employee Pensions and Benefits             | EXP_926             | 1.00000          | 0.73117                            | 0.17389                              | 0.05358                               | 0.01079                              | 0.01278                                     | 0.01761                                  | 0.00019                         |
|    | Acct 928-Regulatory Commission Expenses             | EXP_928             | 1.00000          | 0.71310                            | 0.17597                              | 0.06622                               | 0.01230                              | 0.01410                                     | 0.01814                                  | 0.00018                         |
| 31 | Acct 930-Misc General Expenses                      | EXP_930             | 1.00000          | 0.73117                            | 0.17389                              | 0.05358                               | 0.01079                              | 0.01278                                     | 0.01761                                  | 0.00019                         |
|    | Acct 932&935-Maintenance of General Plant Exp       | EXP_932             | 1.00000          | 0.73116                            | 0.17389                              | 0.05358                               | 0.01079                              | 0.01278                                     | 0.01761                                  | 0.00019                         |
| 33 | ACCT 874-879 Distribution Operation Expense         | EXP_8719            | 1.00000          | 0.77052                            | 0.14604                              | 0.05248                               | 0.00753                              | 0.01089                                     | 0.01237                                  | 0.00018                         |
| 34 | ACCT 874-880 Distribution Operation Expense         | EXP_8710            | 1.00000          | 0.77052                            | 0.14604                              | 0.05248                               | 0.00753                              | 0.01089                                     | 0.01237                                  | 0.00018                         |
| 35 | Accts 902-904 Customer Accounts Expense             | EXP_9024            | 1.00000          | 0.87187                            | 0.11611                              | 0.00428                               | 0.00020                              | 0.00099                                     | 0.00655                                  | 0.00001                         |
| 36 |   |                     |                  |                                    |                                      |                                       |                                      |   |  |                                 |

|    | , p p  | ALLOC     | Sales Service<br>Rate 304 | Transportation<br>Rate 314 |      |      |      |      |      |      |
|----|--|-----------|---------------------------|----------------------------|------|------|------|------|------|------|
|    |  |           | (9)-2                     | (10)                       | (11) | (12) | (13) | (14) | (15) | (16) |
|    | RATIO TABLE CONTINUED                                |           |                           |                            |      |      |      |      |      |      |
| ,  | INTERNALLY DEVELOPED FACTORS CONT.                   |           |                           |                            |      |      |      |      |      |      |
|    | B Acct 874-Mains & Services Expense                  | EXP 874   | 0.00017                   | 0.01211                    |      |      |      |      |      |      |
| 4  | Acct 875-Measuring and Reg Stations-Ge               | EXP_875   | 0.00000                   | 0.00000                    |      |      |      |      |      |      |
|    | Acct 878-Meter and House Regulator Expense           | EXP_878   | 0.00024                   | 0.00669                    |      |      |      |      |      |      |
| 6  | Acct 879-Customer Installation Expense               | EXP_879   | 0.00000                   | 0.00000                    |      |      |      |      |      |      |
| 7  | Acct 880-Gas Oper Distribution-Other Expense         | EXP_880   | 0.00017                   | 0.01072                    |      |      |      |      |      |      |
| 8  | Acct 887-Dist Maintenance of Mains                   | EXP_887   | 0.00025                   | 0.01842                    |      |      |      |      |      |      |
| ç  | Acct 889-Dist Maint-Meas/Reg Stn Equip-Gas           | EXP_889   | 0.00000                   | 0.00000                    |      |      |      |      |      |      |
| 10 | Acct 890-Dist Maint-Meas/Reg Stn Eq-Indus            | EXP_890   | 0.00000                   | 0.00000                    |      |      |      |      |      |      |
| 11 | Acct 891-Dist Maint M&R Equip City Gate              | EXP_891   | 0.00000                   | 0.00000                    |      |      |      |      |      |      |
| 12 | 2 Acct 892-Dist Maintenance of Services              | EXP_892   | 0.00004                   | 0.00110                    |      |      |      |      |      |      |
| 13 | Acct 893-Dist Maint - Meters and House Reg           | EXP_893   | 0.00024                   | 0.00669                    |      |      |      |      |      |      |
| 14 | Acct 894-Dist Maint-Other Distribution Equip         | EXP_894   | 0.00000                   | 0.00000                    |      |      |      |      |      |      |
| 15 | Acct 902-Meter Reading Expense                       | EXP_902   | 0.00022                   | 0.00592                    |      |      |      |      |      |      |
| 16 | Acct 903-Cust Records & Collect Excl Local Uncoll    | EXP_903   | 0.00001                   | 0.00054                    |      |      |      |      |      |      |
| 17 | Acct 903-Cust Collecting-Local Uncollect Accts (904) | ) EXP_904 | 0.00000                   | 0.00241                    |      |      |      |      |      |      |
| 18 | Acct 909-Miscellaneous Advertising Expense           | EXP_909   | 0.00038                   | 0.14086                    |      |      |      |      |      |      |
| 19 | Acct 910-Customer Assistance Expense                 | EXP_910   | 0.00038                   | 0.14086                    |      |      |      |      |      |      |
| 20 | Acct 912-Demonstrating & Selling Exp                 | EXP_912   | 0.00038                   | 0.14086                    |      |      |      |      |      |      |
| 2  | Acct 913-Advertising Expense                         | EXP_913   | 0.00038                   | 0.14086                    |      |      |      |      |      |      |
| 22 | 2 Acct 916-Miscellaneous Sales                       | EXP_916   | 0.00038                   | 0.14086                    |      |      |      |      |      |      |
| 23 | Acct 920-A & G Salaries                              | EXP_920   | 0.00013                   | 0.01264                    |      |      |      |      |      |      |
| 24 | Acct 921-Office Supplies and Expenses                | EXP_921   | 0.00013                   | 0.01264                    |      |      |      |      |      |      |
| 25 | Acct 922-Admin Exp Transfer - CREDIT                 | EXP_922   | 0.00013                   | 0.01264                    |      |      |      |      |      |      |
|    | Acct 923-Outside Services Employed                   | EXP_923   | 0.00013                   | 0.01264                    |      |      |      |      |      |      |
| 27 | Acct 924-Property Insurance                          | EXP_924   | 0.00012                   | 0.00810                    |      |      |      |      |      |      |
|    | B Acct 925-Injuries and Damages                      | EXP_925   | 0.00013                   | 0.01264                    |      |      |      |      |      |      |
|    | Acct 926-Employee Pensions and Benefits              | EXP_926   | 0.00013                   | 0.01264                    |      |      |      |      |      |      |
|    | Acct 928-Regulatory Commission Expenses              | EXP_928   | 0.00013                   | 0.01397                    |      |      |      |      |      |      |
|    | Acct 930-Misc General Expenses                       | EXP_930   | 0.00013                   | 0.01264                    |      |      |      |      |      |      |
|    | 2 Acct 932&935-Maintenance of General Plant Exp      | EXP_932   | 0.00013                   | 0.01264                    |      |      |      |      |      |      |
|    | 3 ACCT 874-879 Distribution Operation Expense        | EXP_8719  | 0.00017                   | 0.01072                    |      |      |      |      |      |      |
|    | ACCT 874-880 Distribution Operation Expense          | EXP_8710  | 0.00017                   | 0.01072                    |      |      |      |      |      |      |
|    | Accts 902-904 Customer Accounts Expense              | EXP_9024  | 0.00001                   | 0.00098                    |      |      |      |      |      |      |
| 36 |  |           |                           |                            |      |      |      |      |      |      |
| 37 |  |           |                           |                            |      |      |      |      |      |      |
| 38 |  |           |                           |                            |      |      |      |      |      |      |
| 39 |  |           |                           |                            |      |      |      |      |      |      |
| 40 |  |           |                           |                            |      |      |      |      |      |      |
| 41 |  |           |                           |                            |      |      |      |      |      |      |
| 42 |  |           |                           |                            |      |      |      |      |      |      |
| 43 | 3  |           |                           |                            |      |      |      |      |      |      |

Interruptible

Interruptible

Rate Base - 13-mth average attrition period ended 12/31/2021

| Rate Base - 13-mth average attrition period ended   | 12/31/2021<br>ALLOC  | TOTAL<br>COMPANY<br>(1)-1   | Residential<br>Service<br>Rate 301<br>(2)   | Small General<br>Service<br>Rate 302<br>(3)   | Medium General<br>Service<br>Rate 352<br>(4)  | Large General<br>Service<br>Rate 303<br>(5)  | Interruptible<br>Service<br>Rates 304 & 314<br>(6)  | Firm Transportion<br>Service<br>Rate 313<br>(7)   | Sales for<br>Resale<br>Rate 310<br>(8)   |
|---|--|---|---|---|---|--|---|---|--|
| RATIO TABLE CONTINUED   |  | (1)-1   | (2)   | (3)   | (4)   | (5)  | (0)   | (1)   | (6)  |
| 1 INTERNALLY DEVELOPED FACTORS CONT.  |  |   |   |   |   |  |   |   |  |
| 2   | EXPOOM   | 1.00000   | 0.72829   | 0.17111   | 0.05457   | 0.01093  | 0.01692   | 0.01802   | 0.00018  |
| 5 Total Purchased Gas Labor Expense<br>6 Total Other Storage Labor Expense<br>7   | TLABPROD<br>TLABSTOR   | 1.00000<br>1.00000  | 0.38678<br>0.66197  | 0.17788<br>0.22750  | 0.06662<br>0.08932  | 0.02375<br>0.02106   | 0.28223<br>0.00000  | 0.06266<br>0.00000  | 0.00009<br>0.00016   |
| 8 Distribution Operation Labor Accts 874 - 880 9 Distribution Maintenance Labor Accts 887 - 894 10 Total Distribution Operation Labor Expense 11 Total Distribution Maintenance Labor Expense 12  | LABDO<br>LABDM<br>TLABDO<br>TLABDM   | 1.00000<br>1.00000<br>1.00000<br>1.00000  | 0.72369<br>0.71813<br>0.72368<br>0.71813  | 0.18547<br>0.17316<br>0.18547<br>0.17316  | 0.05538<br>0.06677<br>0.05538<br>0.06677  | 0.01062<br>0.01175<br>0.01062<br>0.01175   | 0.00684<br>0.01025<br>0.00684<br>0.01025  | 0.01775<br>0.01969<br>0.01775<br>0.01969  | 0.00024<br>0.00024<br>0.00024<br>0.00024   |
| 13 Customer Account Labor Accts 902 - 905<br>14 Total Customer Accounts Labor Expense<br>15   | LABCA<br>TLABCA  | 1.00000<br>1.00000  | 0.86573<br>0.86573  | 0.11865<br>0.11865  | 0.00602<br>0.00602  | 0.00058<br>0.00058   | 0.00145<br>0.00145  | 0.00754<br>0.00754  | 0.00003<br>0.00003   |
| <ul> <li>16 Customer Service &amp; Info Labor Accts 910-912</li> <li>17 Total Customer Service &amp; Info Labor Expense</li> <li>18</li> </ul>  | LABCSI<br>TLABCSI  | 1.00000<br>1.00000  | 0.64571<br>0.64571  | 0.13468<br>0.13468  | 0.03477<br>0.03477  | 0.01201<br>0.01201   | 0.14125<br>0.14125  | 0.03153<br>0.03153  | 0.00005<br>0.00005   |
| <ul><li>19 Sales Expense Labor Accts 912-916</li><li>20 Total Sales Labor Expense</li><li>21</li></ul>  | LABSA<br>TLABSA  | 1.00000<br>1.00000  | 0.64571<br>0.64571  | 0.13468<br>0.13468  | 0.03477<br>0.03477  | 0.01201<br>0.01201   | 0.14125<br>0.14125  | 0.03153<br>0.03153  | 0.00005<br>0.00005   |
| <ul><li>22 Sum of Allocated Labor Expense Excl Prod &amp; A&amp;G</li><li>23 Sum of Allocated Labor Expense Excl Prod</li><li>24</li></ul>  | LABORP<br>LABOR  | 1.00000<br>1.00000  | 0.73117<br>0.73116  | 0.17389<br>0.17389  | 0.05358<br>0.05358  | 0.01079<br>0.01079   | 0.01278<br>0.01278  | 0.01761<br>0.01761  | 0.00019<br>0.00019   |
| 25 Revenue at Claimed Rate of Return<br>26 Claimed Revenue  | REVCLAIM   | 1.00000   | 0.71310   | 0.17597   | 0.06622   | 0.01230  | 0.01410   | 0.01814   | 0.00018  |
| 28 Rate 302 - Small General Service 29 Rate 352 - Medium General Service 30 Rate 303 - Large General Service 31 Rates 313 - Firm Transportation 32 Rates 310 - Sales for Resale 33 Rates 304 - Interruptible Sales Service 34 Rates 314 - Interruptible Transportation 35 Plant 36 Rate 301 - Residential 37 Rate 302 - Small General Service 38 Rate 352 - Medium General Service 39 Rate 303 - Large General Service 40 Rates 313 - Firm Transportation 41 Rates 310 - Sales for Resale 42 Rates 304 - Interruptible Sales Service 43 Rates 314 - Interruptible Transportation 44 | REVSGS REVMGS REVLGS REVFT REVSR REVISS REVIT  PLTRES PLTSGS PLTMGS PLTLGS PLTFT PLTSR PLTISS PLTISS PLTIT | 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 | 0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000 | 1.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>1.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000 | 0.00000<br>1.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>1.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000 | 0.00000<br>0.00000<br>1.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>1.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000 | 0.00000<br>0.00000<br>0.00000<br>0.00000<br>1.00000<br>1.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>1.00000<br>1.00000 | 0.00000<br>0.00000<br>1.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>1.00000<br>0.00000<br>0.00000<br>0.00000 | 0.00000<br>0.00000<br>0.00000<br>1.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000 |

| Rate Base - 13-mth average attrition period ended 1  | 2/31/2021<br>ALLOC  | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2   | Interruptible<br>Transportation<br>Rate 314<br>(10)   | (11) | (12) | (13) | (14) | (15) | (16) |
|--|---|---|---|------|------|------|------|------|------|
| RATIO TABLE CONTINUED  |   | (9)-2   | (10)  | (11) | (12) | (13) | (14) | (13) | (10) |
| 1 INTERNALLY DEVELOPED FACTORS CONT.   |   |   |   |      |      |      |      |      |      |
| 2 3 Total Other O&M Expense (Excludes Gas Costs) 4   | EXPOOM  | 0.00014   | 0.01678   |      |      |      |      |      |      |
| <ul><li>5 Total Purchased Gas Labor Expense</li><li>6 Total Other Storage Labor Expense</li></ul>  | TLABPROD<br>TLABSTOR  | 0.00076<br>0.00000  | 0.28147<br>0.00000  |      |      |      |      |      |      |
| 7 8 Distribution Operation Labor Accts 874 - 880 9 Distribution Maintenance Labor Accts 887 - 894 10 Total Distribution Operation Labor Expense 11 Total Distribution Maintenance Labor Expense  | LABDO<br>LABDM<br>TLABDO<br>TLABDM  | 0.00016<br>0.00018<br>0.00016<br>0.00018  | 0.00668<br>0.01007<br>0.00669<br>0.01007  |      |      |      |      |      |      |
| 12 13 Customer Account Labor Accts 902 - 905 14 Total Customer Accounts Labor Expense  | LABCA<br>TLABCA   | 0.00002<br>0.00002  | 0.00143<br>0.00143  |      |      |      |      |      |      |
| 15 16 Customer Service & Info Labor Accts 910-912 17 Total Customer Service & Info Labor Expense 18  | LABCSI<br>TLABCSI   | 0.00038<br>0.00038  | 0.14086<br>0.14086  |      |      |      |      |      |      |
| 19 Sales Expense Labor Accts 912-916<br>20 Total Sales Labor Expense<br>21   | LABSA<br>TLABSA   | 0.00038<br>0.00038  | 0.14086<br>0.14086  |      |      |      |      |      |      |
| <ul><li>22 Sum of Allocated Labor Expense Excl Prod &amp; A&amp;G</li><li>23 Sum of Allocated Labor Expense Excl Prod</li></ul>  | LABORP<br>LABOR   | 0.00013<br>0.00013  | 0.01264<br>0.01264  |      |      |      |      |      |      |
| 24 25 Revenue at Claimed Rate of Return 26 Claimed Revenue   | REVCLAIM  | 0.00013   | 0.01397   |      |      |      |      |      |      |
| 27 Rate 301 - Residential 28 Rate 302 - Small General Service 29 Rate 352 - Medium General Service 30 Rate 303 - Large General Service 31 Rates 313 - Firm Transportation 32 Rates 310 - Sales for Resale 33 Rates 304 - Interruptible Sales Service 34 Rates 314 - Interruptible Transportation 35 Plant 36 Rate 301 - Residential 37 Rate 302 - Small General Service 38 Rate 352 - Medium General Service 39 Rate 303 - Large General Service 40 Rates 313 - Firm Transportation 41 Rates 310 - Sales for Resale 42 Rates 304 - Interruptible Sales Service 43 Rates 314 - Interruptible Transportation 44 45 | REVRES REVSGS REVMGS REVLGS REVFT REVSR REVISS REVIT  PLTRES PLTSGS PLTMGS PLTILGS PLTIGS PLTISS PLTISS PLTISS PLTISS PLTISS PLTISS PLTISS PLTISS | 0.00000 0.00000 0.00000 0.00000 0.00000 1.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 | 0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>1.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>0.00000<br>1.00000 |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ended 12 | 2/31/2021 | TOTAL   | Residential<br>Service | Small General<br>Service | Medium General<br>Service | Large General<br>Service | Interruptible<br>Service | Firm Transportion<br>Service | Sales for<br>Resale |
|--|-----------|---------|------------------------|--------------------------|---------------------------|--------------------------|--------------------------|------------------------------|---------------------|
|  | ALLOC     | COMPANY | Rate 301               | Rate 302                 | Rate 352                  | Rate 303                 | Rates 304 & 314          | Rate 313                     | Rate 310            |
|  |           | (1)-1   | (2)                    | (3)                      | (4)                       | (5)                      | (6)                      | (7)                          | (8)                 |
| RATIO TABLE CONTINUED                                |           |         |                        |                          |                           |                          |                          |                              |                     |
| 1 PRESENT REVENUE FROM SALES INPUT                   |           |         |                        |                          |                           |                          |                          |                              |                     |
| 3 Base Sales Revenues                                |           | 1.00000 | 0.59449                | 0.24400                  | 0.07428                   | 0.01623                  | 0.03801                  | 0.03284                      | 0.00015             |
| 4 Integrity Management Revenues                      |           | 1.00000 | 0.59644                | 0.25020                  | 0.06180                   | 0.01336                  | 0.04209                  | 0.03583                      | 0.00028             |
| 8 Minimum Margin Agreement Revenues                  |           | 1.00000 | 0.00000                | 0.00000                  | 0.00000                   | 0.05353                  | 0.00000                  | 0.94647                      | 0.00000             |
| 9 Unprotected Excess ADIT Refund                     |           | 1.00000 | 0.58573                | 0.23528                  | 0.08812                   | 0.00585                  | 0.06952                  | 0.01544                      | 0.00007             |
| 5 Total Base Margin                                  |           |         |                        |                          |                           |                          |                          |                              |                     |
| 6 Gas Cost Revenues                                  |           | 1.00000 | 0.57640                | 0.26509                  | 0.09928                   | 0.03648                  | 0.00081                  | 0.02160                      | 0.00034             |
| 7 Sales and Transporation Revenue                    |           | 1.00000 | 0.58957                | 0.25117                  | 0.07942                   | 0.02162                  | 0.02790                  | 0.03008                      | 0.00023             |
| 10 Special Contract (Other Operating Revenue)        |           | 0.00000 | 0.00000                | 0.00000                  | 0.00000                   | 0.00000                  | 0.00000                  | 0.00000                      | 0.00000             |
| 11 Total Sales & Transportation Revenue              |           | 0.00000 | 0.00000                | 0.00000                  | 0.00000                   | 0.00000                  | 0.00000                  | 0.00000                      | 0.00000             |
| 12   |           |         |                        |                          |                           |                          |                          |                              |                     |

| Rate Base - 13-mth average attrition period ended 12/3 | 31/2021 | Interruptible<br>Sales Service | Interruptible<br>Transportation |      |      |      |      |      |      |
|--|---------|--------------------------------|---------------------------------|------|------|------|------|------|------|
|  | ALLOC   | Rate 304<br>(9)-2              | Rate 314<br>(10)                | (11) | (12) | (13) | (14) | (15) | (16) |
| RATIO TABLE CONTINUED                                  |         | (0) =                          | (10)                            | (,   | ( )  | (.5) | (,   | (10) | (10) |
| 1 PRESENT REVENUE FROM SALES INPUT                     |         |                                |                                 |      |      |      |      |      |      |
| 3 Base Sales Revenues                                  |         | 0.00037                        | 0.03764                         |      |      |      |      |      |      |
| 4 Integrity Management Revenues                        |         | 0.00013                        | 0.04196                         |      |      |      |      |      |      |
| 8 Minimum Margin Agreement Revenues                    |         | 0.00000                        | 0.00000                         |      |      |      |      |      |      |
| 9 Unprotected Excess ADIT Refund                       |         | 0.00019                        | 0.06934                         |      |      |      |      |      |      |
| 5 Total Base Margin                                    |         |                                |                                 |      |      |      |      |      |      |
| 6 Gas Cost Revenues                                    |         | 0.00081                        | 0.00000                         |      |      |      |      |      |      |
| 7 Sales and Transporation Revenue                      |         | 0.00046                        | 0.02744                         |      |      |      |      |      |      |
| 10 Special Contract (Other Operating Revenue)          |         | 0.00000                        | 0.00000                         |      |      |      |      |      |      |
| 11 Total Sales & Transportation Revenue                |         | 0.00000                        | 0.00000                         |      |      |      |      |      |      |
| 12   |         |                                |                                 |      |      |      |      |      |      |
| 19   |         |                                |                                 |      |      |      |      |      |      |

| Rate Base - 13-mth average attrition period ender   | d 12/31/2021<br>ALLOC                                | TOTAL<br>COMPANY<br>(1)-1   | Residential<br>Service<br>Rate 301<br>(2)  | Small General<br>Service<br>Rate 302<br>(3)   | Medium General<br>Service<br>Rate 352<br>(4)                                 | Large General<br>Service<br>Rate 303<br>(5)                               | Interruptible<br>Service<br>Rates 304 & 314<br>(6)                           | Firm Transportion<br>Service<br>Rate 313<br>(7)                              | Sales for<br>Resale<br>Rate 310<br>(8)             |
|---|--|---|--|---|--|---|--|--|--|
| ALLOCATED DIRECT ASSIGNMENTS  |  | (1)-1   | (2)  | (3)   | (4)  | (5)   | (0)  | (1)  | (6)  |
| 1 UNCOLLECTIBLE ACCOUNTS 2  |  |   |  |   |  |   |  |  |  |
| <ul> <li>3 Base Revenue Uncollectible Accounts</li> <li>4 Rate 301 - Residential</li> <li>5 Rate 302 - Small General Service</li> <li>6 Rate 352 - Medium General Service</li> <li>7 Rate 303 - Large General Service</li> <li>8 Rates 313 - Firm Transportation</li> </ul>   | REVRES<br>REVSGS<br>REVMGS<br>REVLGS<br>REVFT        | 467,528<br>96,882<br>3,941<br>0<br>11,125   | 467,528<br>0<br>0<br>0   | 96,882<br>0<br>0  | 0<br>0<br>3,941<br>0   | 0<br>0<br>0<br>0  | 0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>11.125   | 0<br>0<br>0<br>0                                   |
| <ul> <li>9 Rates 314 - Interruptible Transportation</li> <li>10 Total Base Revenue Uncollectible Accounts</li> <li>11</li> </ul>  | REVIT  | 1,399<br>580,875  | 0<br>467,528   | 96,882  | 0<br>3,941   | 0   | 1,399<br>1,399   | 0<br>11,125  | 0  |
| 12 Total 903 - Uncollectible Accounts - Local (904) 13 Total 903 - Uncollectible Accounts - Local (904) 14 15   | UNCOLL   | 580,875<br>1.00000  | 467,528<br>0.80487   | 96,882<br>0.16679   | 3,941<br>0.00679   | 0.00000   | 1,399<br>0.00241   | 11,125<br>0.01915  | 0.00000  |
| 16 Minimum Margin Agreement Revenue 17 Rate 301 - Residential 18 Rate 302 - Small General Service 19 Rate 352 - Medium General Service 20 Rate 303 - Large General Service 21 Rates 313 - Firm Transportation 16 Rates 310 - Sales for Resale 17 Rates 304 - Interruptible Sales Service 22 Rates 314 - Interruptible Transportation 23 Total Minimum Margin Agreement Revenue 24 25 Total Minimum Margin Agreement Revenue 27 28 | REVRES REVSGS REVMGS REVLGS REVFT REVSR REVISS REVIT | 0<br>0<br>0<br>13,505<br>238,800<br>0<br>0<br>0<br>252,305<br>1.00000   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                    | 0<br>0<br>0<br>13,505<br>0<br>0<br>0<br>13,505<br>13,505<br>0.05353       | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                    | 0<br>0<br>0<br>0<br>238,800<br>0<br>0<br>238,800<br>238,800<br>0.94647       | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0          |
| 29 Unprotected Excess ADIT Refund 30 Rate 301 - Residential 31 Rate 302 - Small General Service 32 Rate 352 - Medium General Service 33 Rate 303 - Large General Service 34 Rates 313 - Firm Transportation 31 Rates 310 - Sales for Resale 32 Rates 304 - Interruptible Sales Service 35 Rates 314 - Interruptible Transportation 36 Total Unprotected Excess ADIT Refund 37 38 Unprotected Excess ADIT Refund 40                | PLTRES PLTSGS PLTMGS PLTLGS PLTFT PLTSR PLTISS PLTIT | (5,466,685)<br>(2,195,895)<br>(822,401)<br>(54,605)<br>(144,065)<br>(648)<br>(1,739)<br>(647,148)<br>(9,333,186)<br>(9,333,186) | (5,466,685)<br>0<br>0<br>0<br>0<br>0<br>0<br>(5,466,685)<br>(5,466,685)<br>0.58573 | 0<br>(2,195,895)<br>0<br>0<br>0<br>0<br>0<br>0<br>(2,195,895)<br>(2,195,895)<br>0.23528 | 0<br>0<br>(822,401)<br>0<br>0<br>0<br>0<br>(822,401)<br>(822,401)<br>0.08812 | 0<br>0<br>0<br>(54,605)<br>0<br>0<br>0<br>(54,605)<br>(54,605)<br>0.00585 | 0<br>0<br>0<br>0<br>0<br>0<br>(1,739)<br>(647,148)<br>(648,888)<br>(648,888) | 0<br>0<br>0<br>0<br>(144,065)<br>0<br>0<br>(144,065)<br>(144,065)<br>0.01544 | 0<br>0<br>0<br>0<br>(648)<br>0<br>(648)<br>0.00007 |

|    | Rate Base - 13-mth average attrition period ended                         |                  | Interruptible<br>Sales Service | Interruptible<br>Transportation |      |      |       |      |      |      |
|----|---|------------------|--------------------------------|---------------------------------|------|------|-------|------|------|------|
|    |   | ALLOC            | Rate 304                       | Rate 314                        |      | (10) | (1.5) | 44.0 |      |      |
|    | ALLOCATED DIRECT ASSIGNMENTS  |                  | (9)-2                          | (10)                            | (11) | (12) | (13)  | (14) | (15) | (16) |
|    | ALLO ON LO DINCOT AGGICALIZATIO   |                  |                                |                                 |      |      |       |      |      |      |
|    | UNCOLLECTIBLE ACCOUNTS  |                  |                                |                                 |      |      |       |      |      |      |
|    | Base Revenue Uncollectible Accounts                                       |                  |                                |                                 |      |      |       |      |      |      |
|    | 4 Rate 301 - Residential  | REVRES           | 0                              | 0                               |      |      |       |      |      |      |
|    | 5 Rate 302 - Small General Service  | REVSGS           | 0                              | 0                               |      |      |       |      |      |      |
|    | Rate 352 - Medium General Service   | REVMGS<br>REVLGS | 0                              | 0                               |      |      |       |      |      |      |
|    | 7 Rate 303 - Large General Service<br>3 Rates 313 - Firm Transportation   | REVEGS           | 0                              | 0                               |      |      |       |      |      |      |
|    | Rates 313 - Firm Transportation  Rates 314 - Interruptible Transportation | REVIT            | 0                              | 1,399                           |      |      |       |      |      |      |
|    | Total Base Revenue Uncollectible Accounts                                 | IXE VII          | 0                              | 1,399                           |      |      |       |      |      |      |
| 1  |   |                  | O                              | 1,000                           |      |      |       |      |      |      |
|    | 2 Total 903 - Uncollectible Accounts - Local (904)                        |                  | 0                              | 1,399                           |      |      |       |      |      |      |
|    | 3 Total 903 - Uncollectible Accounts - Local (904)                        | UNCOLL           | 0.00000                        | 0.00241                         |      |      |       |      |      |      |
| 14 |   |                  |                                |                                 |      |      |       |      |      |      |
| 1  | 5   |                  |                                |                                 |      |      |       |      |      |      |
|    | 6 Minimum Margin Agreement Revenue  |                  |                                |                                 |      |      |       |      |      |      |
|    | 7 Rate 301 - Residential  | REVRES           | 0                              | 0                               |      |      |       |      |      |      |
|    | Rate 302 - Small General Service  | REVSGS           | 0                              | 0                               |      |      |       |      |      |      |
|    | 9 Rate 352 - Medium General Service                                       | REVMGS           | 0                              | 0                               |      |      |       |      |      |      |
|    | Rate 303 - Large General Service     Rates 313 - Firm Transportation      | REVLGS<br>REVFT  | 0                              | 0                               |      |      |       |      |      |      |
|    | Rates 313 - Fill Transportation  Rates 310 - Sales for Resale             | REVSR            | 0                              | 0                               |      |      |       |      |      |      |
|    | 7 Rates 310 - Sales for Resale 7 Rates 304 - Interruptible Sales Service  | REVISS           | 0                              | 0                               |      |      |       |      |      |      |
|    | 2 Rates 314 - Interruptible Transportation                                | REVIT            | 0                              | 0                               |      |      |       |      |      |      |
|    | 3 Total Minimum Margin Agreement Revenue                                  | IXE VIII         | 0                              | 0                               |      |      |       |      |      |      |
| 2  |   |                  | ŭ                              | · ·                             |      |      |       |      |      |      |
| 2  | 5 Total Minimum Margin Agreement Revenue                                  |                  | 0                              | 0                               |      |      |       |      |      |      |
|    | Total Minimum Margin Agreement Revenue                                    | REVMMA           | 0.00000                        | 0.00000                         |      |      |       |      |      |      |
| 2  |   |                  |                                |                                 |      |      |       |      |      |      |
| 2  |   |                  |                                |                                 |      |      |       |      |      |      |
|    | 9 Unprotected Excess ADIT Refund  | PLTRES           | 0                              | 0                               |      |      |       |      |      |      |
|    | Compare 201 - Residential Compare 302 - Small General Service             | PLTSGS           | 0                              | 0<br>0                          |      |      |       |      |      |      |
|    | 2 Rate 352 - Medium General Service                                       | PLTMGS           | 0                              | 0                               |      |      |       |      |      |      |
|    | Rate 303 - Large General Service  | PLTLGS           | 0                              | 0                               |      |      |       |      |      |      |
|    | 4 Rates 313 - Firm Transportation   | PLTFT            | 0                              | 0                               |      |      |       |      |      |      |
|    | 1 Rates 310 - Sales for Resale  | PLTSR            | 0                              | 0                               |      |      |       |      |      |      |
|    | 2 Rates 304 - Interruptible Sales Service                                 | PLTISS           | (1,739)                        | 0                               |      |      |       |      |      |      |
| 3  | Rates 314 - Interruptible Transportation                                  | PLTIT            | 0                              | (647,148)                       |      |      |       |      |      |      |
|    | Total Unprotected Excess ADIT Refund                                      |                  | (1,739)                        | (647,148)                       |      |      |       |      |      |      |
| 3  |   |                  | // <b></b>                     | /                               |      |      |       |      |      |      |
|    | 3 Unprotected Excess ADIT Refund  | EVADITOEE        | (1,739)                        | (647,148)                       |      |      |       |      |      |      |
| 4  | 9 Unprotected Excess ADIT Refund  | EXADITREF        | 0.00019                        | 0.06934                         |      |      |       |      |      |      |
| 4  |   |                  |                                |                                 |      |      |       |      |      |      |
| 4: |   |                  |                                |                                 |      |      |       |      |      |      |
| 4: |   |                  |                                |                                 |      |      |       |      |      |      |
| 4  |   |                  |                                |                                 |      |      |       |      |      |      |
| 4  | 5   |                  |                                |                                 |      |      |       |      |      |      |
|    |   |                  |                                |                                 |      |      |       |      |      |      |

## **Exhibit PMN-6-COS**

|  | TOTAL<br>COMPANY<br>(1)-1  | Residential<br>Service<br>Rate 301<br>(2)  | Small General<br>Service<br>Rate 302<br>(3)  | Medium General<br>Service<br>Rate 352<br>(4)   | Large General<br>Service<br>Rate 303<br>(5)  | Interruptible<br>Service<br>Rates 304 & 314<br>(6)  | Firm Transportion<br>Service<br>Rate 313<br>(7)   | Sales for<br>Resale<br>Rate 310<br>(8)  |
|--|--|--|--|--|--|---|---|---|
| PRESENT RATE OF RETURN SUMMARY SCHEDULE  |  |  |  |  |  |   |   |   |
| 1 RATE OF RETURN   | 4.67%  | 2.56%  | 9.47%  | 5.78%  | 7.76%  | 36.63%  | 13.37%  | 4.96%   |
| 3 REVENUES REQUIRED  |  |  |  |  |  |   |   |   |
| 5 CAPACITY COMPONENTS 67,978 6 CAPACITY PRODUCTION COMPONENT   | 903 67,978,903 (0)   | 31,155,075<br>0  | 21,403,711<br>(0)  | 6,225,298<br>0   | 1,778,376<br>0   | 3,473,949<br>(0)  | 3,933,085<br>0  | 9,410<br>(0)  |
| 7 CAPACITY STORAGE COMPONENT 8 CAPACITY TRANSMISSION COMPONENT 9 CAPACITY DISTRIBUTION COMPONENT   | 9,250,693<br>33,961,131<br>24,767,079  | 5,224,609<br>14,735,570<br>11,194,896  | 2,889,752<br>12,080,551<br>6,433,408   | 904,446<br>3,313,814<br>2,007,038  | 230,438<br>987,576<br>560,362  | (0)<br>197,059<br>3,276,890   | 0<br>2,641,725<br>1,291,360   | 1,448<br>4,836<br>3,125   |
| 10 11 COMMODITY COMPONENT 780  |  | 281,354  | 314,788  | 78,430   | 30,799   | 62,689  | 12,494  | 108   |
| 12 COMMODITY GAS COST COMP<br>13 COMMODITY OTHER COMP  | 780,660  | 0<br>281,354   | 0<br>314,787   | 0<br>78,430  | 0<br>30,799  | 0<br>62,689   | 0<br>12,494   | 0<br>108  |
| 14 15 CUSTOMER COMPONENTS 81,511 16 ACCT 376 -MAINS COMPONENT 17 ACCT 380 - SERVICES COMPONENT 18 ACCTS 381-385 - METERS & REGULATORS 19 CUSTOMER ACCOUNTS EXPENSE COMPONENT   | 36,965,488<br>16,810,417<br>17,802,122<br>6,609,105  | 57,968,244<br>24,310,439<br>13,595,082<br>12,174,485<br>5,882,126                              | 15,170,426<br>6,863,266<br>2,961,190<br>4,262,869<br>669,749                                       | 4,411,024<br>3,393,815<br>147,514<br>727,779<br>34,774   | 526,965<br>343,788<br>15,376<br>124,931<br>5,354   | 2,321,031<br>1,301,622<br>60,497<br>292,083<br>8,561  | 1,096,873<br>742,324<br>30,544<br>213,583<br>8,278  | 17,256<br>10,234<br>212<br>6,392<br>263   |
| 20 CUSTOMER SERV & INFO EXPENSE COMPONENT 21 CUSTOMER SALES EXPENSE COMPONENT 22 CUSTOMER OTHER COMPONENT - CREDITS 23   | 182,060<br>3,082,001<br>60,626   | 113,894<br>1,801,684<br>90,534   | 24,671<br>418,588<br>(29,908)  | 6,159<br>100,982<br>(0)  | 2,129<br>35,387<br>(0)   | 29,693<br>628,575<br>0  | 5,504<br>96,639<br>(0)  | 9<br>146<br>0   |
| 24 TOTAL COMPANY 150,271<br>25<br>26<br>27 \$/THERM  | 150,271,383  | 89,404,673   | 36,888,924   | 10,714,751   | 2,336,139  | 5,857,669   | 5,042,452   | 26,773  |
| 28 29 CAPACITY COMPONENTS 30 CAPACITY PRODUCTION COMPONENT 31 CAPACITY STORAGE COMPONENT 32 CAPACITY TRANSMISSION COMPONENT 33 CAPACITY DISTRIBUTION COMPONENT 34  | \$0.1999<br>(\$0.0000)<br>\$0.0272<br>\$0.0999<br>\$0.0728   | \$0.2369<br>\$0.0000<br>\$0.0397<br>\$0.1121<br>\$0.0851                                       | \$0.3539<br>(\$0.0000)<br>\$0.0478<br>\$0.1998<br>\$0.1064   | \$0.2749<br>\$0.0000<br>\$0.0399<br>\$0.1463<br>\$0.0886   | \$0.2202<br>\$0.0000<br>\$0.0285<br>\$0.1223<br>\$0.0694   | \$0.0362<br>(\$0.0000)<br>(\$0.0000)<br>\$0.0021<br>\$0.0342  | \$0.1846<br>\$0.0000<br>\$0.0000<br>\$0.1240<br>\$0.0606  | \$0.2992<br>(\$0.0000)<br>\$0.0461<br>\$0.1538<br>\$0.0994  |
| 35 ANNUAL THERM SALES 36 37  | 339,980,814  | 131,496,220  | 60,474,772   | 22,648,852   | 8,074,514  | 95,951,898  | 21,303,108  | 31,451  |
| 38 <b>\$/MONTH/CUSTOMER</b> 39   |  |  |  |  |  |   |   |   |
| 40 CUSTOMER COMPONENTS \$35.0 41 ACCT 376 -MAINS COMPONENT 42 ACCT 380 - SERVICES COMPONENT 43 ACCTS 381-385 - METERS & REGULATORS 44 CUSTOMER ACCOUNTS EXPENSE COMPONENT 45 CUSTOMER SERV & INFO EXPENSE COMPONENT 46 CUSTOMER SALES EXPENSE COMPONENT 47 CUSTOMER OTHER COMPONENT - CREDITS 48 | 407 \$35.0407<br>\$15.8909<br>\$7.2265<br>\$7.6529<br>\$2.8412<br>\$0.0783<br>\$1.3249<br>\$0.0261 | \$27.5462<br>\$11.5522<br>\$6.4603<br>\$5.7853<br>\$2.7952<br>\$0.0541<br>\$0.8562<br>\$0.0430 | \$71.2879<br>\$32.2514<br>\$13.9150<br>\$20.0318<br>\$3.1472<br>\$0.1159<br>\$1.9670<br>(\$0.1405) | \$646.7777<br>\$497.6268<br>\$21.6297<br>\$106.7125<br>\$5.0988<br>\$0.9031<br>\$14.8067<br>(\$0.0000) | \$851.3167<br>\$555.3920<br>\$24.8402<br>\$201.8271<br>\$8.6496<br>\$3.4401<br>\$57.1677<br>(\$0.0000) | \$3,792.5341<br>\$2,126.8339<br>\$98.8519<br>\$477.2598<br>\$13.9885<br>\$48.5173<br>\$1,027.0827<br>\$0.0000 | \$1,181.9747<br>\$799.9180<br>\$32.9139<br>\$230.1541<br>\$8.9205<br>\$5.9312<br>\$104.1370<br>(\$0.0000) | \$718.9996<br>\$426.4195<br>\$8.8483<br>\$266.3292<br>\$10.9446<br>\$0.3763<br>\$6.0818<br>\$0.0000 |
| 49 TOTAL AVERAGE ANNUAL CUSTOMERS 50   | 193,851  | 175,367  | 17,734   | 568  | 52   | 51  | 77  | 2   |

|  |            | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2   | Interruptible<br>Transportation<br>Rate 314<br>(10)  | (11) | (12) | (13) | (14) | (15) | (16) |
|--|------------|---|--|------|------|------|------|------|------|
| PRESENT RATE OF RETURN SUMMARY SCHEDULE  |            |   |  |      |      |      |      |      |      |
| 1 RATE OF RETURN   |            | 22.63%  | 36.82%   |      |      |      |      |      |      |
| 2<br>3 REVENUES REQUIRED   |            |   |  |      |      |      |      |      |      |
| 5 CAPACITY COMPONENTS 6 6 CAPACITY PRODUCTION COMPONENT 7 CAPACITY STORAGE COMPONENT 8 CAPACITY TRANSMISSION COMPONENT 9 CAPACITY DISTRIBUTION COMPONENT 10  | 67,978,903 | 5,742<br>(0)<br>(0)<br>511<br>5,232   | 3,468,207<br>0<br>0<br>196,549<br>3,271,659  |      |      |      |      |      |      |
| 11 COMMODITY COMPONENT 12 COMMODITY GAS COST COMP 13 COMMODITY OTHER COMP 14   | 780,661    | 162<br>0<br>162   | 62,526<br>(0)<br>62,526  |      |      |      |      |      |      |
| 15 CUSTOMER COMPONENTS 16 ACCT 376 -MAINS COMPONENT 17 ACCT 380 - SERVICES COMPONENT 18 ACCTS 381-385 - METERS & REGULATORS 19 CUSTOMER ACCOUNTS EXPENSE COMPONENT 20 CUSTOMER SERV & INFO EXPENSE COMPONENT 21 CUSTOMER SALES EXPENSE COMPONENT 22 CUSTOMER OTHER COMPONENT - CREDITS   | 31,511,819 | 40,768<br>30,682<br>1,182<br>7,177<br>254<br>74<br>1,398  | 2,280,263<br>1,270,941<br>59,315<br>284,906<br>8,307<br>29,619<br>627,176<br>(0)                                 |      |      |      |      |      |      |
| 23<br>24 TOTAL COMPANY 15<br>25<br>26<br>27 \$/THERM   | 50,271,383 | 46,672  | 5,810,997  |      |      |      |      |      |      |
| 28 CAPACITY COMPONENTS 30 CAPACITY PRODUCTION COMPONENT 31 CAPACITY STORAGE COMPONENT 32 CAPACITY TRANSMISSION COMPONENT 33 CAPACITY DISTRIBUTION COMPONENT 34   |            | \$0.0223<br>(\$0.0000)<br>(\$0.0000)<br>\$0.0020<br>\$0.0203  | \$0.0362<br>\$0.0000<br>\$0.0000<br>\$0.0021<br>\$0.0342   |      |      |      |      |      |      |
| 35 ANNUAL THERM SALES 36 37 38 \$/MONTH/CUSTOMER   |            | 257,216   | 95,694,681   |      |      |      |      |      |      |
| 40 CUSTOMER COMPONENTS 41 ACCT 376 -MAINS COMPONENT 42 ACCT 380 - SERVICES COMPONENT 43 ACCTS 381-385 - METERS & REGULATORS 44 CUSTOMER ACCOUNTS EXPENSE COMPONENT 45 CUSTOMER SERV & INFO EXPENSE COMPONENT 46 CUSTOMER SALES EXPENSE COMPONENT 47 CUSTOMER OTHER COMPONENT - CREDITS 48 49 TOTAL AVERAGE ANNUAL CUSTOMERS 50 | \$35.0407  | \$1,698.6460<br>\$1,278.3994<br>\$49.2574<br>\$299.0600<br>\$10.5842<br>\$3.0869<br>\$58.2580<br>\$0.0000 | \$3,877.9989<br>\$2,161.4639<br>\$100.8762<br>\$484.5332<br>\$14.1275<br>\$50.3716<br>\$1,066.6265<br>(\$0.0000) |      |      |      |      |      |      |

|  | TOTAL<br>COMPANY<br>(1)-1   | Residential<br>Service<br>Rate 301<br>(2)  | Small General<br>Service<br>Rate 302<br>(3)  | Medium General<br>Service<br>Rate 352<br>(4)   | Large General<br>Service<br>Rate 303<br>(5)  | Interruptible<br>Service<br>Rates 304 & 314<br>(6)   | Firm Transportion<br>Service<br>Rate 313<br>(7)  | Sales for<br>Resale<br>Rate 310<br>(8)  |
|--|---|--|--|--|--|--|--|---|
| CLAIMED RATE OF RETURN SUMMARY SCHEDULE  |   |  |  |  |  |  |  |   |
| 1 RATE OF RETURN   | 7.10%   | 7.10%  | 7.10%  | 7.10%  | 7.10%  | 7.10%  | 7.10%  | 7.10%   |
| 3 REVENUES REQUIRED  |   |  |  |  |  |  |  |   |
| 4  | 79,804,858<br>(0)   | 49,316,505<br>0  | 17,987,848<br>(0)  | 6,961,133<br>0   | 1,683,342<br>0   | 1,354,219<br>(0)   | 2,490,329<br>0   | 11,482<br>(0)   |
| 7 CAPACITY STORAGE COMPONENT 8 CAPACITY TRANSMISSION COMPONENT 9 CAPACITY DISTRIBUTION COMPONENT   | 10,986,051<br>42,994,797<br>25,824,009  | 7,254,401<br>26,687,219<br>15,374,885  | 2,525,430<br>9,819,543   | 983,493<br>3,800,661   | 221,050<br>924,087<br>538,204  | (0)<br>184,308<br>1,169,911  | 0<br>1,572,776   | 1,677<br>6,203<br>3,602   |
| 10   | , ,   | , ,  | 5,642,876  | 2,176,979  | ,  | , ,  | 917,553  | ,   |
| 11 COMMODITY COMPONENT 1,055 12 COMMODITY GAS COST COMP  | 0   | 617,365  | 245,079  | 93,214   | 28,548   | 58,632   | 12,284   | 146<br>0  |
| 13 COMMODITY OTHER COMP<br>14  | 1,055,267   | 617,364  | 245,079  | 93,214   | 28,548   | 58,632   | 12,284   | 146   |
| 15         CUSTOMER COMPONENTS         99,330           16         ACCT 376 - MAINS COMPONENT         7           17         ACCT 380 - SERVICES COMPONENT         8           18         ACCTS 381-385 - METERS & REGULATORS  | 378 99,330,378<br>50,605,136<br>19,164,008<br>19,566,894                            | 78,560,158<br>39,800,755<br>16,186,898<br>14,396,119   | 13,475,178<br>5,722,983<br>2,744,531<br>3,947,894  | 4,877,828<br>3,817,193<br>154,290<br>761,598   | 503,988<br>324,433<br>15,006<br>122,103  | 1,127,206<br>459,855<br>38,392<br>158,724  | 765,793<br>467,258<br>24,660<br>173,551  | 20,228<br>12,659<br>231<br>6,906  |
| 19 CUSTOMER ACCOUNTS EXPENSE COMPONENT 20 CUSTOMER SERV & INFO EXPENSE COMPONENT   | 6,993,903<br>180,448  | 6,291,741<br>116,971   | 647,710<br>24,339  | 35,490<br>6,205  | 5,297<br>2,122   | 5,923<br>25,504  | 7,470<br>5,298   | 272<br>9  |
| 21 CUSTOMER SALES EXPENSE COMPONENT 22 CUSTOMER OTHER COMPONENT 23   | 3,005,321<br>(185,334)  | 1,936,822<br>(169,148)   | 403,906<br>(16,186)  | 103,052<br>(0)   | 35,027<br>(0)  | 438,808<br>0   | 87,555<br>(0)  | 151<br>0  |
| 24 TOTAL COMPANY 180,190   | 180,190,504   | 128,494,027  | 31,708,105   | 11,932,174   | 2,215,878  | 2,540,057  | 3,268,406  | 31,856  |
| 26<br>27 <b>\$/THERM</b><br>28   |   |  |  |  |  |  |  |   |
| 29 CAPACITY COMPONENTS 30 CAPACITY PRODUCTION COMPONENT 31 CAPACITY STORAGE COMPONENT 32 CAPACITY TRANSMISSION COMPONENT   | \$0.2347<br>(\$0.0000)<br>\$0.0323<br>\$0.1265                                      | \$0.3750<br>\$0.0000<br>\$0.0552<br>\$0.2030   | \$0.2974<br>(\$0.0000)<br>\$0.0418<br>\$0.1624   | \$0.3074<br>\$0.0000<br>\$0.0434<br>\$0.1678   | \$0.2085<br>\$0.0000<br>\$0.0274<br>\$0.1144   | \$0.0141<br>(\$0.0000)<br>(\$0.0000)<br>\$0.0019   | \$0.1169<br>\$0.0000<br>\$0.0000<br>\$0.0738   | \$0.3651<br>(\$0.0000)<br>\$0.0533<br>\$0.1972  |
| 33 CAPACITY DISTRIBUTION COMPONENT 34  | \$0.0760  | \$0.1169   | \$0.0933   | \$0.0961   | \$0.0667   | \$0.0122   | \$0.0431   | \$0.1145  |
| 35 ANNUAL THERM SALES<br>36  | 339,980,814   | 131,496,220  | 60,474,772   | 22,648,852   | 8,074,514  | 95,951,898   | 21,303,108   | 31,451  |
| 37<br>38 \$/MONTH/CUSTOMER   |   |  |  |  |  |  |  |   |
| 40 CUSTOMER COMPONENTS \$42.7  41 ACCT 376 -MAINS COMPONENT  42 ACCT 380 - SERVICES COMPONENT  43 ACCTS 381-385 - METERS & REGULATORS  44 CUSTOMER ACCOUNTS EXPENSE COMPONENT  45 CUSTOMER SERV & INFO EXPENSE COMPONENT  46 CUSTOMER SALES EXPENSE COMPONENT  47 CUSTOMER OTHER COMPONENT  48 | \$21.7544<br>\$8.2383<br>\$8.4115<br>\$3.0066<br>\$0.0776<br>\$1.2919<br>(\$0.0797) | \$37.3314<br>\$18.9131<br>\$7.6919<br>\$6.8410<br>\$2.9898<br>\$0.0556<br>\$0.9204<br>(\$0.0804) | \$63.3217<br>\$26.8931<br>\$12.8969<br>\$18.5517<br>\$3.0437<br>\$0.1144<br>\$1.8980<br>(\$0.0761) | \$715.2240<br>\$559.7058<br>\$22.6231<br>\$111.6712<br>\$5.2039<br>\$0.9098<br>\$15.1102<br>(\$0.0000) | \$814.1978<br>\$524.1239<br>\$24.2426<br>\$197.2590<br>\$8.5579<br>\$3.4274<br>\$56.5871<br>(\$0.0000) | \$1,841.8403<br>\$751.3970<br>\$62.7328<br>\$259.3528<br>\$9.6781<br>\$41.6738<br>\$717.0059<br>\$0.0000 | \$825.2076<br>\$503.5111<br>\$26.5738<br>\$187.0158<br>\$8.0493<br>\$5.7095<br>\$94.3481<br>(\$0.0000) | \$842.8223<br>\$527.4596<br>\$9.6152<br>\$287.7374<br>\$11.3402<br>\$0.3809<br>\$6.2890<br>\$0.0000 |
| 49 TOTAL AVERAGE ANNUAL CUSTOMERS 50   | 193,851   | 175,367  | 17,734   | 568  | 52   | 51   | 77   | 2   |

| CLAIMED RATE OF RETURN SUMMARY SCHEDULE  1 RATE OF RETURN 7.10% 7.10%  2 REVENUES REQUIRED  4  |  |
|--|--|
| 2 3 REVENUES REQUIRED 4  |  |
| REVENUES REQUIRED  |  |
| CAPACITY COMPONENTS         79,804,858         2,772         1,351,447           6 CAPACITY PRODUCTION COMPONENT         (0)         0           7 CAPACITY STORAGE COMPONENT         (0)         0           8 CAPACITY TRANSMISSION COMPONENT         493         183,815  |  |
| 9 GAPACITI DISTRIBUTION COMPONENT 2,279 1,107,032  |  |
| 11 COMMODITY COMPONENT 1,055,268 157 58,475 12 COMMODITY GAS COST COMP 0 (0) 13 COMMODITY OTHER COMP 157 58,475 14   |  |
| 15     CUSTOMER COMPONENTS     99,330,378     19,994     1,107,212       16     ACCT 376 -MAINS COMPONENT     13,117     446,738       17     ACCT 380 - SERVICES COMPONENT     780     37,613       18     ACCTS 381-385 - METERS & REGULATORS     4,696     154,028       19     CUSTOMER ACCOUNTS EXPENSE COMPONENT     204     5,719       20     CUSTOMER SERV & INFO EXPENSE COMPONENT     68     25,436       21     CUSTOMER SALES EXPENSE COMPONENT     1,130     437,678       22     CUSTOMER OTHER COMPONENT     0     (0) |  |
| 23 24 TOTAL COMPANY 180,190,504 22,923 2,517,135 25 26 27 \$/THERM   |  |
| 28 CAPACITY COMPONENTS \$0.0108 \$0.0141 30 CAPACITY PRODUCTION COMPONENT (\$0.0000) \$0.0000 31 CAPACITY STORAGE COMPONENT (\$0.0000) \$0.0000 32 CAPACITY TRANSMISSION COMPONENT \$0.0019 \$0.0019 33 CAPACITY DISTRIBUTION COMPONENT \$0.0089 \$0.0122  |  |
| 35 <b>ANNUAL THERM SALES</b> 257,216 95,694,681<br>36<br>37<br>38 <b>\$/MONTH/CUSTOMER</b>   |  |
| CUSTOMER COMPONENTS   \$42.7006   \$833.0829   \$1,883.0141     ACCT 376 -MAINS COMPONENT   \$546.5340   \$759.7587     42   |  |

# **Exhibit PMN-7-COS**

## PIEDMONT NATURAL GAS INC.

## **Minimum Size System Distribution Study**

Prepared by:



MANAGEMENT APPLICATIONS CONSULTING, INC.

1103 Rocky Drive – Suite 201 Reading, PA 19609

Phone: (610) 670-9199 / Fax: (610) 670-9190



## MANAGEMENT APPLICATIONS CONSULTING, INC.

1103 Rocky Drive • Suite 201 • Reading, PA 19609-1157 • 610/670-9199 • fax 610/670-9190 • www.manapp.com

May 28, 2020

Piedmont Natural Gas Inc. 4720 Piedmont Row Drive Charlotte, North Carolina 28210

### **RE: Minimum Size System Distribution Study**

Transmitted herewith are the results of the 2019 Minimum Size System Distribution study for the Piedmont Natural Gas Inc. (PNG). On behalf of MAC, we appreciate the opportunity to prepare the analysis. We wish to express our appreciation to PNG personnel and Mario DiValentino, for gathering and reviewing the data utilized in the study.

Should you require any additional information or assistance, please contact us.

Best regards,

Debbie L. Gajewski

Delh & Dajushi

**Managing Consultant** 

Paul M. Normand

Principal

Enclosure



#### **TABLE OF CONTENTS**

| I. Exe   | cutive Summary   | 1 |
|----------|--|---|
|          | able MDS-1 – Summary of Minimum Size System Results            |   |
|          | ribution Study - Minimum Size System Method                    |   |
| A.       |  |   |
| В.       | Criticisms of the Minimum Size System Method                   | 3 |
| III. Des | scription of Distribution Study                                | 4 |
| A.       | Data Preparation for the Minimum Size System                   | 4 |
| В.       | Minimum Size System Method Employed                            | 5 |
| IV. Im   | plementation of the MDS Results in Class Cost of Service Study | 7 |
| V. Mii   | nimum Size System Study Results                                | 8 |



### I. Executive Summary

Piedmont Natural Gas Inc. has prepared a minimum size system study to identify the portion of the distribution mains account's investment which represents an estimated minimum investment required to serve a nominal load at a customer's location, or a no load condition.

Management Applications Consulting, Inc. (MAC) was retained in March 2020 to assist the Company in the preparation of the minimum size system distribution study (MDS) for the FERC Account 376-Distribution Mains.

The minimum size system method uses a mathematical approach and relies heavily on current installation costs and practices to derive a minimum cost per unit for each type or size of equipment. The Company's staff obtained the data used within the study from the fixed asset information system (FA).

A general description of the methodology employed, the data utilized, and the final results are included as part of this report. A summary of results is shown below in Table MDS-1.

We however caution against a simple application of these results and their allocation in a class cost of service study without further analysis as we have discussed in Section IV of this study.

**Table MDS-1 – Summary of Minimum Size System Results** 

| Account 376 <= 2 inch | Customer 100.00% | Demand |
|-----------------------|------------------|--------|
| 376 > 2 inch          | 48.42%           | 51.58% |

#### II. Distribution Study - Minimum Size System Method

#### A. Theoretical Considerations of Minimum Size System Method<sup>1</sup>

A commonly used distribution study method of determining the customer related portion of an account is the minimum size system approach. This method looks at major items of installed plant within an account to calculate the minimum size cost also known as the customer related cost portion of the account.

The minimum system method assumes that a minimum size distribution system can be built to serve the minimum loading requirements of the customers. This method requires that the minimum size equipment (mains) be determined based on the minimum size installed on the system, the minimum size currently being installed, or the minimum size available from a supplier.

In determining the minimum size of each type of equipment, four considerations should be made. First, consider if the minimum size meets legal codes. Second, consider whether the minimum is realistic for all class of services. Third, consider if the minimum size item is a realistic item to be installed. Fourth, consider how often the selected minimum equipment item is used.

<sup>&</sup>lt;sup>1</sup> Discussions about the minimum size system method is excerpted from the NARUC Electric Utility Cost Allocation Manual (1992) and from the Principals of Public Utility Rates (1961) by James Bonbright.



#### B. Criticisms of the Minimum Size System Method<sup>2</sup>

The minimum size system distribution study attempts to classify distribution plant investment into customer and demand related cost components. Often this study leads to a misclassification or misallocation to customer classes due to the shortcomings associated with employing it. The actual amount of demand capability within the selected minimum size system is a function of load density, minimum required clearances, minimum equipment standards and standardization, temperature, and other engineering considerations. In addition, the number of customers being served varies with the level of service, customer densities, and the type of equipment being used by the customers.

The major criticisms concerning the MDS methods are as follows:

There are two major criticisms associated with the use of the minimum system method. The first criticism is that the selection of the minimum size is largely judgmental. The customer related costs can vary significantly with the choice of method used to identify the minimum sized equipment. A method based on historical practice, current practice, or minimum available from a supplier (as long as it meets safety requirements) can all produce different minimum costs and resulting customer cost percentages of the total account(s).

The second criticism is that this method fails to recognize that even a minimum size distribution system has the capability to carry load that can be considered demand related. Depending on the selected minimum size and customer class, the equipment capability can fully serve a customer's load portion as well. If adjustments are not made to the allocation factors to reflect this load capability, the use of this method will lead to a disproportionate share of demand related costs being allocated to certain customers (i.e. "double dipping"). This is especially true of lower use customers that generally represent the majority of a utility's total customers.

In Section IV of this report we provide general guidelines to consider when incorporating the MDS method discussed above in a class cost of service study. The use of these guidelines will reduce the allocation inequities that have plagued the historical use of these methods.

<sup>&</sup>lt;sup>2</sup> NARUC Electric Utility Cost Allocation Manual, January 1992, Page 95.



#### III. Description of Distribution Study

The information required for the minimum size system was provided by a number of departments within the Company. The Company's Engineering department determined the minimum size items currently being installed for the gas distribution plant. The Company's construction department provided the feet of mains for each main size in the account. The Company's construction and engineering department in conjunction with the plant accounting department provided cost estimates for various customer installations.

#### A. <u>Data Preparation for the Minimum Size System</u>

The following steps were taken to prepare the FERC accounts 364 through 368 data from the Company's database systems to be used in the study:

- Company staff from the Engineering Standards department provided the minimum system size unit to be used in the study.
- The lengths of distribution main sizes by footage.
- The average unit cost for the minimum size equipment and other currently installed main types were provided. These unit prices were used to calculate a 2019 dollar total cost and a 2019 dollar minimum cost.
- The footage associated with the unit costs for the currently installed equipment for plant account 376 was used in the calculation of the customer costs.

#### В. **Minimum Size System Method Employed**

The minimum sized equipment used in the preparation of this study was based on the minimum size equipment currently being installed on the Company's system. Minimum sizes were determined and provided by the Engineering Standards department. Main sizes along with their associated quantities and current unit costs were identified and included as part of the study.

The minimum or customer related cost for account 376 was calculated as follows:

- 1. The Total Booked Cost for each main size for the years 2016 through 2019 were divided by the Gross Domestic Product - Implicit Price Deflator (GDP-IPD) to derive the Current Cost in 2019 dollars.
- 2. An Average Main Cost Per Foot for each main size for each year 2016 through 2019 was then derived by dividing the current cost dollars for each main size for each year by their associated total footage installed
- 3. An Average cost per foot for each main size was then derived by taking an average of the 4 year averages.
- 4. The Average cost per foot was multiplied by each main size's number of feet to derive the Total Cost in 2019 dollars. These costs were summed for a total of \$383,499,975.
- 5. The Footage for each main size greater than 2-inches was multiplied by the 2-inch main cost per foot of \$16.09 to calculate the customer related costs
- 6. The Customer related percentage of mains > 2-inches (48.42%) is derived by dividing the sum of the customer related costs for the > 2-inch mains (\$81,086,260) by the sum of the total main > 2-inches cost in 2019 dollars (\$167,460,160).
- 7. The demand related percentage of mains > 2-inches (51.58%) is derived by dividing the demand related costs (\$86,373,900) by the sum of the total main > 2inches cost in 2019 dollars (\$167,460,160).

The Distribution Mains account was separated into two cost categories: 2-inch and below and above 2 inches. Based on Company records, 62.31% of Distribution Mains are 2-inch and below. The smaller diameter, up to and including 2-inch diameter mains are primarily used to provide local service and are related to the backbone local distribution system and

should be recovered in a fixed monthly charge similar to the customer charge. Since most large customers are not served by a 2-inch or smaller sized pipe, this customer related portion is allocated to the Residential and Small Commercial rate classes based on their respective customer counts. The main costs >2", 37.69%, is classified as customer and demand related. The customer related portion, 18.25% (37.69\*48.42) is allocated to all customer classes using an equivalent customer based on the average use per customer of the large classes. The remainder of the mains >2", 19.44% (37.69\*51.58%) is allocated to customer classes based on design day demands.

62.31% of <= 2" Distribution Mains Feet to Total Feet – customer related 18.25% of > 2" Distribution Mains Feet to Total Feet – customer related 19.44% of > 2" Distribution Mains Feet to Total Feet – demand related

Note: The use of the minimum size equipment currently being installed will generally derive higher customer related portions of plant the account.

#### IV. Implementation of the MDS Results in Class Cost of Service Study

The resulting demand and customer related percentages for the account 376 distribution mains, 19.44% and 80.56% (62.31%+18.25%) respectively, are used to classify the distribution plant account dollars. The demand portion of the account is typically allocated using a demand allocation factor.

The Distribution Mains account was separated into two cost categories: 2-inch and below and above 2 inches. The 2-inch and below account for 62.31% of Distribution Mains and are classified as customer related. Since most large customers are not served by a 2-inch or smaller sized pipe, this customer related portion, 62.31% is allocated to the Residential and Small Commercial rate classes based on their respective customer counts. The remaining customer related portion of mains greater than 2 inches, 18.25% (37.69\*48.42%), is allocated on an adjusted customer allocation factor. The demand portion of mains greater than 2 inches is allocated to the customer classes based on class design day demands.

The adjusted customer allocation factor approach is to fully recognize that all mains greater than 2 inches results from the aggregation of loads and this results in the need for larger diameter mains. As a result, large diameter mains are a direct function of load and not customers. In order to achieve a more equitable allocation of these costs, a use per customer for the large customers is derived. This use per customer is then used to divide the consumption of each customer class that was assigned costs for 2-inch and below (Residential and Small Commercial) to derive an equivalent customer count for each of these classes. The classes other than those assigned cost for 2-inch and below will use their respective customer count for the development of the Mains above 2 inches customer allocation factor. See Schedule PMN-5 for the development of this allocation factor.

## V. Minimum Size System Study Results

|          |                                 |                          | Piedm                | nont Natural Gas Inc.      |                           |                  |                 |
|----------|---------------------------------|--------------------------|----------------------|----------------------------|---------------------------|------------------|-----------------|
|          |                                 |                          | Tenness              | ee Distribution Analys     | is                        |                  |                 |
|          |                                 |                          | Minimum              | Size System Calculati      | on                        |                  |                 |
|          |                                 |                          | Account              | 376 - Distribution Mair    | ns                        |                  |                 |
|          |                                 |                          |                      |                            |                           |                  |                 |
|          |                                 | Cald                     | culation of Customer | Component Percenta         | ge for Mains > 2"         |                  |                 |
|          |                                 |                          |                      |                            |                           |                  |                 |
| Sectio   | n A                             |                          |                      | 2019 \$                    | Quantity                  | 2019 \$          | 2019 \$         |
|          |                                 |                          | Average Main         | Total                      | Times                     | Total Cost       | Total           |
|          |                                 | Quantity (5)             | \$/Foot              | Cost                       | Min Size                  | Customer Related | Cost            |
|          | Main Size                       | (Number of Feet)         | Section B col (f)    | col (b) * col ( c)         | col (b) * 2" \$/Foot      | <= 2"            | col (b) > 2"    |
|          | (a)                             | (b)                      | (c)                  | (d)                        | (e)                       | (f)              | (g)             |
| 1        | Plastic Distribution Mains      | ( - ,                    | (-)                  | (-,                        | (-)                       | ( )              | (3)             |
| 2        | 2" or Less                      | 5,254,508                | \$16.09              | \$84,569,585               | \$84,569,585              | \$84,569,585     |                 |
| 3        | Over 2" thru 4"                 | 972,624                  | \$19.45              | \$18,913,699               | \$15,654,056              |                  | \$15,654,056    |
| 4        | Over 4" thru 8"                 | 320,000                  | \$23.63              | \$7,560,536                | \$5,150,290               |                  | \$5,150,290     |
| 5        | Steel Distribution Mains        | 020,000                  | Ψ20.00               | ψ1,000,000                 | ψ0,100,200                |                  | ψο, 100,200     |
| 6        | 2" or Less                      | 8,168,556                | \$21.04              | \$171,867,390              | \$131,470,229             | \$131,470,229    |                 |
| 7        | Over 2" thru 4"                 | 2,151,811                | \$22.58              | \$48,582,757               | \$34,632,695              |                  | \$34,632,695    |
| 8        | Over 4" thru 8"                 | 1,168,559                | \$26.86              | \$31,382,537               | \$18,807,574              |                  | \$18,807,574    |
| 9        | Over 8"                         | 425,088                  | \$48.52              | \$20,623,470               | \$6,841,644               |                  | \$6,841,644     |
| 10       | Total                           | 18,461,145               | φ40.52               | \$383,499,975              | \$297,126,074             |                  | \$81,086,260    |
| 11       | iotai                           | 10,401,140               |                      | φ303,433,973               | φ291,120,074              | φ210,039,614     | ψυ 1,000,200    |
| 12       | Mains > 2"                      |                          |                      |                            |                           |                  |                 |
|          |                                 |                          | 48.42%               | ¢04 000 000                | line 10, col (q)          |                  |                 |
| 13<br>14 | Customer >= % equals            |                          | 48.42%<br>51.58%     | \$81,086,260               |                           | 0. aal ( a)      |                 |
|          | Demand % equals                 |                          |                      | \$86,373,900               |                           | u, coi ( e)      |                 |
| 15       | Percentages app                 | lied to \$ of Mains > 2" | 100.00%              | \$167,460,160              |                           |                  |                 |
| 16       |                                 |                          |                      | \$216,039,814              |                           |                  |                 |
| 17       |                                 |                          |                      | \$383,499,975              | 2019 total cost main of   | dollars          |                 |
| 18       |                                 |                          |                      |                            |                           |                  |                 |
| 19       | Total Feet of Distribution Mai  |                          | 13,423,064           |                            |                           |                  |                 |
| 20       | Demand Feet of Distribution     |                          | 1,920,006            | (line 6, col (d) - line 6, | Col ( e)) / line 6 (col ( | c)               |                 |
| 21       | Net Customer Feet of Distrib    |                          | 11,503,058           |                            |                           |                  |                 |
| 22       | Total Feet of Distribution Mai  |                          | 18,461,145           | 80.56%                     |                           |                  |                 |
| 23       | % of <= 2" Dist Mains Feet to   |                          | 62.31%               |                            |                           |                  |                 |
| 24       | % of > 2" Dist Mains Feet to    | Total Feet               | 37.69%               |                            | Customer related          |                  |                 |
| 25       |                                 |                          |                      | 19.44%                     | Demand related            |                  |                 |
|          |                                 |                          |                      |                            |                           |                  |                 |
|          |                                 |                          |                      |                            |                           |                  |                 |
|          | Notes:                          |                          |                      |                            |                           |                  |                 |
|          | (1) Minimum main size being     |                          |                      |                            |                           |                  |                 |
|          | (2) Customer component bas      |                          |                      | reflects current 2019 bu   | ilding practices).        |                  |                 |
|          | (3) Average installed costs in  |                          | r.                   |                            |                           |                  |                 |
|          | (4) Main size dollars <= 2" is  |                          |                      |                            |                           |                  |                 |
|          | (5) Main size dollars > 2" is d |                          | elated.              |                            |                           |                  |                 |
|          | (6) Main footage source is D    | OT Report.               |                      |                            |                           |                  |                 |
|          |                                 |                          |                      |                            |                           |                  |                 |
|          |                                 |                          |                      |                            |                           |                  |                 |
| _        | <u> </u>                        |                          |                      |                            |                           |                  |                 |
| Sectio   | n B                             |                          |                      |                            |                           |                  |                 |
|          |                                 |                          |                      |                            |                           |                  | Average of      |
|          | Main Size                       |                          | 2016                 | 2017                       | 2018                      | 2019             | Avg Cost/Ft (1) |
|          | (a)                             |                          | (b)                  | ( c)                       | (d)                       | ( e)             | (f)             |
| 1        | Plastic Distribution Mains      |                          |                      |                            |                           |                  |                 |
| 2        | 2" or Less                      |                          | \$15.11              | \$14.83                    | \$17.37                   | \$17.07          | \$16.09         |
| 3        | Over 2" thru 4"                 |                          | \$18.44              | \$18.10                    | \$20.80                   | \$20.44          | \$19.45         |
| 4        | Over 4" thru 8"                 |                          | \$22.96              | \$22.53                    | \$25.48                   | \$23.54          | \$23.63         |
| 5        | Steel Distribution Mains        |                          |                      |                            |                           |                  |                 |
| 6        | 2" or Less                      |                          | \$19.94              | \$19.57                    | \$22.52                   | \$22.13          | \$21.04         |
| 7        | Over 2" thru 4"                 |                          | \$21.39              | \$20.99                    | \$24.17                   | \$23.76          | \$22.58         |
| 8        | Over 4" thru 8"                 |                          | \$25.40              | \$24.93                    | \$28.79                   | \$28.30          | \$26.86         |
| 9        | Over 8" and over                |                          | \$45.69              | \$44.85                    | \$52.21                   | \$51.32          | \$48.52         |
| 10       |                                 |                          |                      |                            |                           |                  |                 |
| 11       | Total Average Cost              |                          | \$24.13              | \$23.69                    | \$27.33                   | \$26.65          | \$25.45         |
|          |                                 |                          |                      |                            |                           |                  |                 |
|          | Notes:                          |                          |                      |                            |                           |                  |                 |
|          | (1) Average of \$/Foot for year | e (2016-2019)            |                      |                            |                           |                  |                 |

|    |                                      |                                | Piedmont Natura |                      |   |          |                        |  |  |  |  |
|----|--------------------------------------|--------------------------------|-----------------|----------------------|---|----------|------------------------|--|--|--|--|
|    |                                      |                                | nessee Distribu |                      |   |          |                        |  |  |  |  |
|    |                                      |                                | mum Size Syste  |                      |   |          |                        |  |  |  |  |
|    |                                      | Cost of New Distribution Mains |                 |                      |   |          |                        |  |  |  |  |
|    | 040                                  |                                |                 |                      |   |          |                        |  |  |  |  |
|    | Section C                            |                                |                 |                      | 111 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |          |                        |  |  |  |  |
|    |                                      |                                |                 | ft \$ (material an   |   |          |                        |  |  |  |  |
|    |                                      | Total                          | Total           | Total                | Total                                   | Total    |                        |  |  |  |  |
|    | Main                                 | Cost                           | Cost            | Cost                 | Cost                                    | Cost     |                        |  |  |  |  |
|    | Size                                 | 2015                           | 2016            | 2017                 | 2018                                    | 2019     |                        |  |  |  |  |
| 4  | (a)                                  | (b)                            | ( c)            | (d)                  | ( e)                                    | (f)      |                        |  |  |  |  |
| 1  | Plastic Distribution Mains 2"        | unavailable                    | \$14.23         | \$14.23              | \$17.07                                 | \$17.07  |                        |  |  |  |  |
| 3  | 4"                                   | unavailable                    | \$17.37         | \$17.37              | \$20.44                                 | \$17.07  |                        |  |  |  |  |
| 4  | 6"                                   | unavailable                    | \$20.03         | \$20.03              | \$20.44                                 | \$20.44  |                        |  |  |  |  |
| 5  | 8"                                   | unavailable                    | \$20.03         | \$23.21              | \$27.45                                 | \$21.03  |                        |  |  |  |  |
| 6  | -                                    | uriavaliable                   | Φ23.21          | Φ23.21               | Φ21.43                                  | \$20.40  |                        |  |  |  |  |
| 7  | Steel Distribution Mains 2"          | unavailable                    | \$18.78         | \$18.78              | \$22.13                                 | \$22.13  |                        |  |  |  |  |
| 8  | 4"                                   | unavailable                    | \$20.14         | \$20.14              | \$23.76                                 | \$22.13  |                        |  |  |  |  |
| 9  | 6"                                   | unavailable                    | \$20.14         | \$22.38              | \$26.45                                 | \$26.45  |                        |  |  |  |  |
| 10 | 8"                                   | unavailable                    | \$25.46         | \$25.46              | \$30.15                                 | \$20.45  |                        |  |  |  |  |
| 11 | 10"                                  | unavailable                    | \$36.93         | \$36.93              | \$43.91                                 | \$43.91  |                        |  |  |  |  |
| 12 | 12"                                  | unavailable                    | \$49.13         | \$49.13              | \$58.72                                 | \$58.72  |                        |  |  |  |  |
| 12 | 12                                   | unavanabie                     | φ49.13          | φ49.13               | ψ30.72                                  | ψ30.7Z   |                        |  |  |  |  |
|    | Notes:                               |                                |                 |                      |   |          |                        |  |  |  |  |
|    | (1) Source file "PNG TN Distribution | on Maine Response vis          | ev"             |                      |   |          |                        |  |  |  |  |
|    | (-,                                  |                                |                 |                      |   |          |                        |  |  |  |  |
|    | Section D                            |                                | C               | urrent Cost \$       |   |          |                        |  |  |  |  |
| 4  | CDB IBD 2040-400 (4)                 | 93.21%                         | 94.17%          | 95.95%               | 98.29%                                  | 100.000/ |                        |  |  |  |  |
| 1  | GDP-IPD, 2019=100 (1)                | 93.21%                         | 94.17%          | 95.95%               | 96.29%                                  | 100.00%  |                        |  |  |  |  |
|    |                                      |                                | Mains Cost pe   | er ft \$ (material a | and labor)                              |          |                        |  |  |  |  |
|    |                                      | Total                          | Total           | Total                | Total                                   | Total    | Main                   |  |  |  |  |
|    | Main                                 | Cost                           | Cost            | Cost                 | Cost                                    | Cost     | <b>Current Average</b> |  |  |  |  |
|    | Size                                 | 2015                           | 2016            | 2017                 | 2018                                    | 2019     | Cost \$ per ft         |  |  |  |  |
|    | (a)                                  | (b)                            | ( c)            | (d)                  | ( e)                                    | (f)      | (g)                    |  |  |  |  |
| 2  | Plastic Distribution Mains           |                                |                 |                      |   |          |                        |  |  |  |  |
| 3  | 2"                                   | unavailable                    | \$15.11         | \$14.83              | \$17.37                                 | \$17.07  | \$16.09                |  |  |  |  |
| 4  | 4"                                   | unavailable                    | \$18.44         | \$18.10              | \$20.80                                 | \$20.44  | \$19.45                |  |  |  |  |
| 5  | 6"                                   | unavailable                    | \$21.27         | \$20.88              | \$23.02                                 | \$21.63  | \$21.70                |  |  |  |  |
| 6  | 8"                                   | unavailable                    | \$24.65         | \$24.19              | \$27.93                                 | \$25.45  | \$25.55                |  |  |  |  |
| 7  | Average 6"-8"                        |                                | \$22.96         | \$22.53              | \$25.48                                 | \$23.54  |                        |  |  |  |  |
| 8  | Steel Distribution Mains             |                                |                 |                      |   |          |                        |  |  |  |  |
| 9  | 2"                                   | unavailable                    | \$19.94         | \$19.57              | \$22.52                                 | \$22.13  | \$21.04                |  |  |  |  |
| 10 | 4"                                   | unavailable                    | \$21.39         | \$20.99              | \$24.17                                 | \$23.76  | \$22.58                |  |  |  |  |
| 11 |                                      | unavailable                    | \$23.76         | \$23.32              | \$26.91                                 | \$26.45  | \$25.11                |  |  |  |  |
| 12 | 8"                                   | unavailable                    | \$27.03         | \$26.53              | \$30.68                                 | \$30.15  | \$28.60                |  |  |  |  |
| 13 | Average 6"-8"                        |                                | \$25.40         | \$24.93              | \$28.79                                 | \$28.30  |                        |  |  |  |  |
| 14 | 10"                                  | unavailable                    | \$39.21         | \$38.49              | \$44.68                                 | \$43.91  | \$41.57                |  |  |  |  |
|    | 12"                                  | unavailable                    | \$52.17         | \$51.20              | \$59.74                                 | \$58.72  | \$55.46                |  |  |  |  |
| 15 | 0                                    |                                | \$45.69         | \$44.85              | \$52.21                                 | \$51.32  |                        |  |  |  |  |
|    | Average 10"-12"                      |                                | ψ 10.00         |                      |   |          |                        |  |  |  |  |
| 15 | Notes:                               |                                | ψ.ιο.ισσ        | ·                    |   |          |                        |  |  |  |  |

# **Exhibit PMN-8-COS**

#### 1

#### **DESCRIPTION OF ALLOCATION FACTORS**

The listing of all external allocation factors shown are in pages 31 to 34 of the Allocation Factor Table and pages 43 to 46 of the Ratio Table of Exhibit PMN-5-COS of the Piedmont Natural Gas Company, Inc. cost of service study.

#### **DESCRIPTION OF ALLOCATION FACTORS**

#### Reference for Internal Allocators Not Shown in Allocation Factor Table

#### External Allocators, Page 43

- DEMSTOR Local Storage Allocator Storage Function
   This allocator is based on a remaining design day sales allocation factor developed for each rate class using total annual throughput. Allocator Ratio is on Page 43, line 5.
- DEMTRAN Transmission Allocator Transmission Function
   This allocator is based on the design day demands for each rate class.
   Allocator Ratio is on Page 43, line 9.
- 3. DEMAVG Distribution Allocator Distribution Function
  This allocator is based on the annual sendout for each rate class and used for allocating Load Dispatching. Allocator Ratio is on Page 43, line 13.
- 4. DEMDISTM Distribution Allocator Mains Above 2" Distribution Mains Function This allocator is based on design day demands developed for each rate class. Allocator Ratio is on Page 43, line 14.
- 5. DEMDIST Distribution Allocator Distribution Function
  This allocator is based on design day demands developed for each rate class. Allocator Ratio is on Page 43, line 15.

#### External Allocators, Page 43

- 1. ESALES Commodity Allocator Commodity Other

  This allocator is based on weather normalized sendout and used to allocate other purchased gas expenses to customer classes. Allocator Ratio is on Page 43, line 21.
- EGASCOST Commodity Allocator Gas Costs
   This allocator is used to allocate Direct Gas Costs based on the Direct
   Gas Cost Revenues billed by rate class. Allocator Ratio is on Page 43,
   line 23.
- 3. ENESTOR Commodity Allocator Commodity Other

  This allocator is based on 3 month winter sales (Dec-Feb) and is used to allocate Cash Working Capital gas inventories. Allocator Ratio is on Page 43, line 25.

#### **DESCRIPTION OF ALLOCATION FACTORS**

#### Reference for Internal Allocators Not Shown in Allocation Factor Table

#### External Allocators, Page 45

- 1. CUST376A Acct 376 Mains Above 2 inches Customer Mains Function
  This allocator is based on the equivalent number of customers for smaller customers as discussed in the direct testimony. See Workpapers for details. Allocation Ratio is on Page 45, line 3.
- 2. CUST376B Acct 376 Mains 2 inches and Below Customer Mains Function
  The allocator is based on the number of customers for Residential
  Service and Small General Service as discussed in the direct testimony.
  See Workpapers for details. Allocation Ratio is on Page 45, line 4.
- 3. CUST\_380 Acct 380 Gas Services Customer Services Function
  This allocator represents the direct assignment of Plant Acct 380 Gas
  Services to the customer classes. See Workpapers for details.
  Allocation Ratio is on Page 45, line 6.
- 4. CUST\_38185— Accts 381 through 385 Gas Meters, Regulators and Installation Customer Meters and Regulators Function
  This allocator represents the direct assignment of meters, regulators and installation plant accounts 381 through 385 to the customer classes. See Workpapers for detail. Allocation Ratio is on Page 45, line 7.
- 5. CUST902 Acct 902 Meter Reading Expense Customer Accounts Expense Function

  This allocator was based on the number of meters by rate class with a weighting factor applied to daily read meters. Allocation Ratio is on Page 45, line 9.
- 6. CUST903 Acct 903 Customer Records & Collection Expenses Customer Accounts Expense Function
  This allocator was based on the number of bills by rate class.
  Allocation Ratio is on Page 45, line 10.
- 7. CUST909 Customer Service & Information Expenses Customer Service & Information Function

  This allocator was developed internally in the cost of service model.

  Since these costs are not totally related to the total number of customers or the amount of sales, a weighted allocation factor was developed. The allocator is based on a 50% weighting on the annual number of customers (Page 33, line 17) and a 50% weighting on the total annual throughput (Page 33, line 16). Allocation Ratio is on Page 45, line 11.

#### **DESCRIPTION OF ALLOCATION FACTORS**

#### Reference for Internal Allocators Not Shown in Allocation Factor Table

#### External Allocators, Page 24, continued

- 8. CUST910 Customer Assistance Expenses Customer Service & Information Expense Function
  This allocator was developed in the same manner as Account 909.
  Allocation Ratio is on Page 45, line 12.
- 9. CUST912 Demonstrating and Selling Expenses Sales Expense Function This allocator was developed in the same manner as Account 909. Allocation Ratio is on Page 45, line 13.
- 10. CUST913 Advertising Expenses Sales Expense Function
  This allocator was developed in the same manner as Account 909.
  Allocation Ratio is on Page 45, line 14.
- 11. CUST916 Demonstrating and Selling Expenses Sales Expense Function This allocator was developed in the same manner as Account 909. Allocation Ratio is on Page 45, line 15.
- 12. CUSTDEP Customer Deposits Customer Other Function
  This allocator represents the assignment of customer deposits to the
  Residential and Small General customer classes based on the number of
  customers. See Workpapers for detail. Allocation Ratio is on Page 45,
  line 21.

# EXHIBIT PMN-9-COS COS WORKPAPERS

## **Exhibit PMN-9-COS**

## INDEX TO COS WORKPAPERS

|     | Section Page                            |
|-----|---|
| 1.  | Summary of Allocation Factors           |
| 2.  | Design Day Allocator, Sales and Sendout |
| 3.  | Revenues and Billing Determinants       |
| 4.  | 30 Year Average Heating Degree Days     |
| 5.  | Loss Percentage                         |
| 6.  | Service Allocator                       |
| 7.  | Meter Allocator                         |
| 8.  | Uncollectible Account Allocator         |
| 9.  | Daily Meter Reads Weighting Factor      |
| 10. | Collection Expenses                     |
| 11. | O&M Labor Allocator                     |
| 12. | Pipeline Demand Cost Allocation         |

|                                  |   | ALLOC                         | TOTAL<br>COMPANY<br>(1)-1             | Residential<br>Service<br>Rate 301<br>(2) | Small General<br>Service<br>Rate 302<br>(3) | Medium General<br>Service<br>Rate 352<br>(4) | Large General<br>Service<br>Rate 303<br>(5) |
|----------------------------------|---|-------------------------------|---------------------------------------|---|---|--|---|
|                                  | ALLOCATION FACTOR TABLE   |                               |                                       |   |   |  |   |
| 1                                | CAPACITY RELATED  | _                             |                                       |   |   |  |   |
| 3<br>4<br>5<br>6                 | STORAGE<br>LNG Storage - Remaining Design Day Sales Dem             | DEMSTOR                       | 3,276,046                             | 2,168,630                                 | 745,297                                     | 292,601                                      | 68,998                                      |
| 8<br>9<br>10                     | TRANSMISSION Design Day Demands (Therms)                            | DEMTRAN                       | 3,588,301                             | 2,236,380                                 | 809,835                                     | 315,047                                      | 81,564                                      |
| 11<br>12<br>13<br>14<br>15<br>16 | 3 , , ,   | DEMAVG<br>DEMDISTM<br>DEMDIST | 339,980,814<br>3,588,301<br>3,588,301 | 131,496,220<br>2,236,380<br>2,236,380     | 60,474,772<br>809,835<br>809,835            | 22,648,852<br>315,047<br>315,047             | 8,074,514<br>81,564<br>81,564               |
| 18<br>19                         | COMMODITY RELATED   |                               |                                       |   |   |  |   |
| 20<br>21                         | Annual Therms - Weather Normalized - Sendout                        | ESALES                        | 339,980,814                           | 131,496,220                               | 60,474,772                                  | 22,648,852                                   | 8,074,514                                   |
|                                  | Cost of Gas - Commodity Gas Costs<br>Cost of Gas - Demand Gas Costs | EGASCOST                      | 43,404,841<br>18,067,420              | 25,596,444<br>9,836,398                   | 11,771,739<br>4,523,734                     | 4,408,720<br>1,694,217                       | 1,571,747<br>670,568                        |
| 25<br>26<br>27<br>28             | 3 Month Winter Sales (Therms) Dec to Feb  Total Cost of Gas         | ENESTOR                       | 114,016,580<br>61,472,261             | 71,477,294<br>35,432,842                  | 28,372,023<br>16,295,472                    | 10,866,829<br>6,102,937                      | 3,283,086<br>2,242,315                      |
| 29                               |   |                               |                                       |   |   |  |   |

|          |  | ALLOC    | Interruptible<br>Service<br>Rates 304 & 314<br>(6) | Firm Transportion<br>Service<br>Rate 313<br>(7) | Sales for<br>Resale<br>Rate 310<br>(8) | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2 | Interruptible<br>Transportation<br>Rate 314<br>(10) |
|----------|--|----------|--|---|--|---|---|
|          | ALLOCATION FACTOR TABLE                      |          |  |   |  |   |   |
| 1        | CAPACITY RELATED                             |          |  |   |  |   |   |
| 3        |  | -        |  |   |  |   |   |
| 4        | STORAGE                                      |          |  |   |  |   |   |
| 5        | LNG Storage - Remaining Design Day Sales Dem | DEMSTOR  | 0  | 0   | 520                                    | 0   | 0   |
| 6        |  |          |  |   |  |   |   |
| 7        | TRANSMISSION                                 |          |  |   |  |   |   |
| 8<br>9   | TRANSMISSION Design Day Demands (Therms)     | DEMTRAN  | 0  | 144,932   | 543                                    | 0   | 0   |
| 10       | besign bay bemanas (memis)                   | DEWITTON | O .  | 144,552   | 040                                    | •   | v   |
| 11       |  |          |  |   |  |   |   |
| 12       | DISTRIBUTION                                 |          |  |   |  |   |   |
|          |  | DEMAVG   | 95,951,898   | 21,303,108                                      | 31,451                                 | 257,216   | 95,694,681  |
|          | Distribution Mains Above 2"                  | DEMDISTM | 0  | 144,932   | 543                                    | 0   | 0   |
|          | 0 , , ,                                      | DEMDIST  | 0  | 144,932   | 543                                    | 0   | 0   |
| 16       |  |          |  |   |  |   |   |
| 17<br>18 |  |          |  |   |  |   |   |
| 19       | COMMODITY RELATED                            |          |  |   |  |   |   |
| 20       |  | _        |  |   |  |   |   |
| 21       | Annual Therms - Weather Normalized - Sendout | ESALES   | 95,951,898   | 21,303,108                                      | 31,451                                 | 257,216   | 95,694,681  |
| 22       |  |          |  |   |  |   |   |
|          | Cost of Gas - Commodity Gas Costs            | EGASCOST | 50,069   | 0   | 6,122                                  | 50,069  | 0   |
|          | Cost of Gas - Demand Gas Costs               |          | 0  | 1,327,594                                       | 14,909                                 | 0   | 0   |
|          | 3 Month Winter Sales (Therms) Dec to Feb     | ENESTOR  | 0  | 0   | 17,348                                 | 0   | 0   |
| 26<br>27 | Total Cost of Gas                            |          | 50,069   | 1,327,594                                       | 21,031                                 | 50,069  | 0   |
| 28       | Total Cost of Cas                            |          | 50,069   | 1,327,394                                       | 21,031                                 | 50,069  | U   |

11:29 AM

|          |   | ALLOC                | TOTAL<br>COMPANY<br>(1)-1 | Residential<br>Service<br>Rate 301<br>(2) | Small General<br>Service<br>Rate 302<br>(3) | Medium General<br>Service<br>Rate 352<br>(4) | Large General<br>Service<br>Rate 303<br>(5) |
|----------|---|----------------------|---------------------------|---|---|--|---|
|          | ALLOCATION FACTOR TABLE CONTINUED   |                      |                           |   |   |  |   |
| 1        | CUSTOMER RELATED  | _                    |                           |   |   |  |   |
| 3        | Acct 376 - Mains Above 2 Inches - Customer Rel<br>Acct 376 - Mains <= 2 Inches - Customer Related | CUST376A<br>CUST376B | 20,680<br>2,317,204       | 7,999<br>2,104,399                        | 3,679<br>212,805                            | 6,820<br>0                                   | 619<br>0                                    |
| 5        | Acct 380-Service Investment   | CUST 380             | 300,055,366               | 255,767,191                               | 40,945,578                                  | 2,324,647                                    | 252,128                                     |
|          | Accts 381-385-Meters & Regulators Investment  | CUST 38185           | 56,563,479                | 41,702,632                                | 11,328,365                                  | 2,208,104                                    | 366,752                                     |
|          | Acct 902-Meter Reading Expense  | CUST 902             | 206,443                   | 175,367                                   | 21,401                                      | 5,430  | 1,178                                       |
|          | Acct 903-Customer Rec Exp excl Collection Exp   | CUST_903             | 193,851                   | 175,367                                   | 17,734                                      | 568  | 52  |
|          | Acct 909-Cust Serv & Inf Advertising Expense  | CUST 909             | 1.0000                    | 0.6457                                    | 0.1347                                      | 0.0348                                       | 0.0120                                      |
| 11       | Acct 910-Customer Assistance Expense  | CUST_910             | 1.0000                    | 0.6457                                    | 0.1347                                      | 0.0348                                       | 0.0120                                      |
| 12       | Acct 912-Demonstrating and Selling  | CUST_912             | 1.0000                    | 0.6457                                    | 0.1347                                      | 0.0348                                       | 0.0120                                      |
| 13       | Acct 913-Sales Advertising Expense  | CUST_913             | 1.0000                    | 0.6457                                    | 0.1347                                      | 0.0348                                       | 0.0120                                      |
| 14       | Acct 916-Miscellaneous Sales Expense  | CUST_916             | 1.0000                    | 0.6457                                    | 0.1347                                      | 0.0348                                       | 0.0120                                      |
| 15       |   |                      |                           |   |   |  |   |
|          | Average Annual Firm Customers (50%)   | CUST                 | 0.5000                    | 0.4523                                    | 0.0457                                      | 0.0015                                       | 0.0001                                      |
| 17       | ,   | ESALES               | 0.5000                    | 0.1934                                    | 0.0889                                      | 0.0333                                       | 0.0119                                      |
| 18<br>19 | 3   |                      | 1.0000                    | 0.6457                                    | 0.1347                                      | 0.0348                                       | 0.0120                                      |
| 20       | Customer Deposits   | CUSTDEP              | 193,100                   | 175,367                                   | 17,734                                      | 0  | 0   |
| 21       |   |                      |                           |   |   |  |   |
| 22       |   |                      |                           |   |   |  |   |
| 23       |   | CUST                 | 402.054                   | 475.007                                   | 47.704                                      | F00  | F0  |
|          | Average Annual Number of Customers  | CUST                 | 193,851                   | 175,367                                   | 17,734                                      | 568  | 52  |
| 25<br>26 | Average Annual Number of Bills Average Number of Meters   |                      | 193,851<br>193,892        | 175,367<br>175,367                        | 17,734<br>17,734                            | 568<br>596                                   | 52<br>54                                    |
|          | Average Number of Daily Read Meters   |                      | 193,692                   | 173,307                                   | 17,734                                      | 228  | 53  |
| 28       | ,   |                      | 332                       | O   | 175   | 220  | 33  |
| 29<br>30 |   |                      | 191,970,992               | 131,496,220                               | 60,474,772                                  | 0  | 0   |
|          | Total Throughput 2 & Below Total Throughput Above 2"  |                      | 148,009,822               | 131,496,220                               | 00,474,772                                  | 22,648,852                                   | 8,074,514                                   |
| 32       | • .   |                      | 339,980,814               | U   | U   | 22,040,032                                   | 0,074,314                                   |
| 33       | 0 1   |                      | 2,317,204                 | 2,104,399                                 | 212,805                                     | 0  | 0   |
| 34       |   |                      | 9,003                     | 2,101,000                                 | 0   | 6,820  | 619   |
| 35       |   |                      | 2,326,207                 | · ·                                       | · ·   | 0,020  | 0.0   |
| 36       |   |                      | ,, -"                     |   |   |  |   |
|          | Use Per Customer 2" & Below   |                      | 82.85                     |   |   |  |   |
| 38       | Use Per Customer Above 2"   |                      | 16,440.06                 |   |   |  |   |
|          | Equivalent Customers 2" & Below   |                      | 11,677                    |   |   |  |   |
| 40       |   |                      |                           |   |   |  |   |
| 41       |   |                      | 20,680                    | 7,999                                     | 3,679                                       | 6,820  | 619   |
| 42       |   |                      |                           | 11,677                                    |   |  |   |
| 43       |   |                      |                           |   |   |  |   |

|  |   | ALLOC  | Interruptible<br>Service<br>Rates 304 & 314<br>(6)  | Firm Transportion<br>Service<br>Rate 313<br>(7)                                     | Sales for<br>Resale<br>Rate 310<br>(8)                             | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2   | Interruptible<br>Transportation<br>Rate 314<br>(10)   |
|--|---|--|---|---|--|---|---|
|  | ALLOCATION FACTOR TABLE CONTINUED   |  |   |   |  |   |   |
| 1 2  | CUSTOMER RELATED  | _  |   |   |  |   |   |
| 3  | Acct 376 - Mains Above 2 Inches - Customer Rel<br>Acct 376 - Mains <= 2 Inches - Customer Related   | CUST376A<br>CUST376B   | 612<br>0  | 928<br>0  | 24<br>0  | 24<br>0   | 588<br>0  |
| 6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14 | Acct 380-Service Investment Accts 381-385-Meters & Regulators Investment Acct 902-Meter Reading Expense Acct 903-Customer Rec Exp excl Collection Exp Acct 909-Cust Serv & Inf Advertising Expense Acct 910-Customer Assistance Expense Acct 912-Demonstrating and Selling Acct 913-Sales Advertising Expense Acct 916-Miscellaneous Sales Expense  Average Annual Firm Customers (50%) Weather Normalized Annual Firm DT (50%) Weighted Customers and Sales  Customer Deposits | CUST_380 CUST_38185 CUST_902 CUST_903 CUST_909 CUST_910 CUST_912 CUST_913 CUST_916  CUST ESALES  CUSTDEP | 340,908<br>392,038<br>1,266<br>51<br>0.1412<br>0.1412<br>0.1412<br>0.1412<br>0.0001<br>0.1411<br>0.1412 | 421,032<br>544,965<br>1,735<br>77<br>0.0315<br>0.0315<br>0.0315<br>0.0315<br>0.0315 | 3,883 20,622 67 2 0.0001 0.0001 0.0001 0.0001 0.0000 0.0000 0.0000 | 11,725<br>13,748<br>44<br>2<br>0.0004<br>0.0004<br>0.0004<br>0.0004<br>0.0000<br>0.0004<br>0.0004 | 329,183<br>378,289<br>1,222<br>49<br>0.1409<br>0.1409<br>0.1409<br>0.1409<br>0.0001<br>0.1407<br>0.1409 |
| 23<br>24<br>25<br>26                           | Average Annual Number of Customers<br>Average Annual Number of Bills<br>Average Number of Meters<br>Average Number of Daily Read Meters   | CUST   | 51<br>51<br>58<br>57  | 77<br>77<br>81<br>78  | 2<br>2<br>3<br>3   | 2<br>2<br>2<br>2<br>44  | 49<br>49<br>56<br>55  |
| 31<br>32<br>33<br>34<br>35                     | Total Throughput Above 2" Total Throughput Customers 2" & Below Customers Above 2" Total Customers  |  | 95,951,898<br>0<br>612  | 21,303,108<br>0<br>928  | 31,451<br>0<br>24  | 257,216<br>0<br>24  | 95,694,681<br>0<br>588  |
| 38   | Use Per Customer 2" & Below Use Per Customer Above 2" Equivalent Customers 2" & Below Customer Allocator Above 2"   |  | 612   | 928   | 24   | 24  | 588   |

|  | ALLOC  | TOTAL<br>COMPANY<br>(1)-1 | Residential<br>Service<br>Rate 301<br>(2) | Small General<br>Service<br>Rate 302<br>(3) | Medium General<br>Service<br>Rate 352<br>(4) | Large General<br>Service<br>Rate 303<br>(5) |
|--|--------|---------------------------|---|---|--|---|
| Annual Dekatherms - Weather Normalized | ESALES | 1.00000                   | 0.38678                                   | 0.17788                                     | 0.06662                                      | 0.02375                                     |
| Average Annual Number of Customers     | CUST   | 1.00000                   | 0.90465                                   | 0.09148                                     | 0.00293                                      | 0.00027                                     |

|  | ALLOC          | Interruptible<br>Service<br>Rates 304 & 314<br>(6) | Firm Transportion<br>Service<br>Rate 313<br>(7) | Sales for<br>Resale<br>Rate 310<br>(8) | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2 | Interruptible<br>Transportation<br>Rate 314<br>(10) |
|--|----------------|--|---|--|---|---|
|  |                |  |   |  |   |   |
| Annual Dekatherms - Weather Normalized<br>Average Annual Number of Customers | ESALES<br>CUST | 0.28223<br>0.00026                                 | 0.06266<br>0.00040                              | 0.00009<br>0.00001                     | 0.00076<br>0.00001                                  | 0.28147<br>0.00025                                  |

|   | ALLOC   | TOTAL<br>COMPANY<br>(1)-1   | Residential<br>Service<br>Rate 301<br>(2)                                 | Small General<br>Service<br>Rate 302<br>(3)                             | Medium General<br>Service<br>Rate 352<br>(4)                        | Large General<br>Service<br>Rate 303<br>(5)                                  |
|---|---|---|---|---|---|--|
| Total Base Revenues excluding Special Contract  REVENUES FROM SALES including Gas Costs Customer Charge Revenue Winter - Nov to Mar Customer Charge Revenue Summer - Apr to Oct   |   | 150,523,688<br>202,662,763<br>15,351,201<br>16,471,865  | \$119,370,830<br>\$15,351,201<br>\$16,471,865                             | \$50,988,502  | \$15,995,288  | \$4,537,355  |
| Customer Charge Revenue Annual Base Therm Revenue Winter - Nov to Mar Base Therm Revenue Summer - Apr to Oct  |   | 12,625,120<br>47,665,589<br>14,051,447  | \$0<br>\$29,178,084<br>\$7,019,342  | \$9,363,420<br>\$13,382,437<br>\$5,172,639                              | \$1,534,500<br>\$5,105,068<br>\$1,859,466                           | \$495,200  |
| Integrity Management Revenue - Nov to Mar<br>Integrity Management Revenue - Apr to Oct<br>Gas Cost Demand Revenues - Nov to Mar<br>Gas Cost Demand Revenues - Apr to Oct<br>Gas Cost Commodity Revenue - Nov to Mar   | Gas Cost Revenues<br>Gas Cost Revenues<br>Gas Cost Revenues                           | 24,558,054<br>11,294,976<br>11,893,584<br>4,160,765<br>30,949,688                                     | \$14,647,406<br>\$6,736,776<br>\$7,621,164<br>\$2,215,234<br>\$19,831,924 | \$6,144,425<br>\$2,826,003<br>\$3,092,650<br>\$1,431,084<br>\$8,047,748 | \$1,517,688<br>\$698,030<br>\$1,179,770<br>\$514,447<br>\$3,070,017 | \$328,096<br>\$150,901   |
| Gas Cost Commodity Revenue - Apr to Oct Demand Charge Revenue Annual Base Revenue Annual Minimum Margin Agreement Revenues Gas Cost Demand Revenues - Annual Gas Cost Commodity Revenue - Annual Unprotected Excess ADIT Refund Special Contract Transportation | Gas Cost Revenues Gas Cost Revenues Gas Cost Revenues ADIT Refund Other Operating Rev | 10,827,215<br>1,944,315<br>6,308,815<br>252,305<br>2,013,071<br>1,627,938<br>(9,333,186)<br>\$259,159 | \$5,764,520<br>(\$5,466,685)  | \$3,723,991<br>(\$2,195,895)  | \$1,338,704<br>(\$822,401)  | \$647,665<br>\$714,278<br>\$13,505<br>\$670,568<br>\$1,571,747<br>(\$54,605) |
| Total Sales and Transportation Total Base Revenues including Special Contract REVENUE REQUIREMENT INPUTS  | <u></u>   | \$212,255,108<br>\$150,782,847  |   |   |   |  |
| Therm Sales Winter - Nov to Mar<br>Therm Sales Summer - Apr to Oct<br>Annual Therm Sales  |   | 156,969,560<br>54,913,094<br>335,644,812  | 100,582,866<br>29,236,295<br>129,819,161                                  | 40,816,290<br>18,887,207<br>59,703,497                                  | 15,570,404<br>6,789,592<br>22,359,996                               | 7,971,534  |
| Customers Winter - Nov to Mar<br>Customers Summer - Apr to Oct<br>Annual Customers  |   | 879,725<br>1,224,674<br>2,326,207   | 879,725<br>1,224,674<br>2,104,399   | 212,805   | 6,820   | 619  |
| Annual Billing Demands  |   | 243,039   |   |   |   | 80,958   |

|   | ALLOC   | Interruptible<br>Service<br>Rates 304 & 314<br>(6)   | Firm Transportion<br>Service<br>Rate 313<br>(7)        | Sales for<br>Resale<br>Rate 310<br>(8)     | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2 | Interruptible<br>Transportation<br>Rate 314<br>(10) |
|---|---|--|--|--|---|---|
| Total Base Revenues excluding Special Contract  REVENUES FROM SALES including Gas Costs  Customer Charge Revenue Winter - Nov to Mar  |   | \$5,258,850<br>\$0                                   | \$6,464,781  | \$47,157                                   | \$95,001  | \$5,163,849   |
| Customer Charge Revenue Summer - Apr to Oct<br>Customer Charge Revenue Annual<br>Base Therm Revenue Winter - Nov to Mar<br>Base Therm Revenue Summer - Apr to Oct   |   | \$0<br>\$489,600<br>\$0<br>\$0                       | \$742,400  |  | \$19,200  | \$470,400   |
| Integrity Management Revenue - Nov to Mar Integrity Management Revenue - Apr to Oct Gas Cost Demand Revenues - Nov to Mar Gas Cost Demand Revenues - Apr to Oct Gas Cost Commodity Revenue - Nov to Mar Gas Cost Commodity Revenue - Apr to Oct | Gas Cost Revenues Gas Cost Revenues Gas Cost Revenues Gas Cost Revenues | \$1,033,648<br>\$475,406<br>\$0<br>\$0<br>\$0<br>\$0 | \$879,915<br>\$404,699                                 | \$6,876<br>\$3,163                         | \$3,193<br>\$1,468                                  | \$1,030,456<br>\$473,937                            |
| Demand Charge Revenue Annual<br>Base Revenue Annual<br>Minimum Margin Agreement Revenues<br>Gas Cost Demand Revenues - Annual   | Gas Cost Revenues   | \$0<br>\$3,859,015<br>\$0<br>\$0                     | \$1,282,250<br>\$1,733,187<br>\$238,800<br>\$1,327,594 | \$14,400<br>\$2,334<br>\$14,909<br>\$6,122 | \$22,811  | \$3,836,204   |
| Gas Cost Commodity Revenue - Annual Unprotected Excess ADIT Refund Special Contract Transportation Total Sales and Transportation Total Base Revenues including Special Contract  | Gas Cost Revenues<br>ADIT Refund<br>Other Operating Rev                 | \$50,069<br>(\$648,888)                              | (\$144,065)  | \$6,122<br>(\$648)                         | \$50,069<br>(\$1,739)                               | (\$647,148)   |
| REVENUE REQUIREMENT INPUTS  | -   |  |  |  |   |   |
| Therm Sales Winter - Nov to Mar<br>Therm Sales Summer - Apr to Oct<br>Annual Therm Sales  |   | 94,728,159   | 21,031,415   | 31,050                                     | 253,936   | 94,474,223  |
| Customers Winter - Nov to Mar<br>Customers Summer - Apr to Oct<br>Annual Customers  |   | 612  | 928  | 24   | 24  | 588   |
| Annual Billing Demands  |   | 0  | 160,281  | 1,800                                      |   |   |

|   | ALLOC              | TOTAL<br>COMPANY<br>(1)-1 | Residential<br>Service<br>Rate 301<br>(2) | Small General<br>Service<br>Rate 302<br>(3) | Medium General<br>Service<br>Rate 352<br>(4) | Large General<br>Service<br>Rate 303<br>(5) |  |
|---|--------------------|---------------------------|---|---|--|---|--|
| UNCOLLECTIBLE ACCOUNTS ALLOCATOR  |                    |                           |   |   |  |   |  |
| Base Revenue Uncollectibles 3 Year Average<br>Total Acct 904 Uncollectible Accounts | Claim Rev less Gas | 580,875<br>411,354        | 467,528<br>331,086                        | 96,882<br>68,608                            | 3,941<br>2,791                               | <b>0</b><br>0                               |  |
| LATE PAYMENT CHARGE ALLOCATOR   | Use Acct 904 Alloc | 411,354                   | 331,086                                   | 68,608                                      | 2,791  | 0   |  |
| ACCT 903 COLLECTION EXPENSE   |                    | 193,302                   |   |   |  |   |  |
| ACCT 903 COLLECTION EXPENSE ALLOCATOR   | Use Acct 904 Alloc | 411,354                   | 331,086                                   | 68,608                                      | 2,791  | 0   |  |

|   | ALLOC              | Interruptible<br>Service<br>Rates 304 & 314<br>(6) | Firm Transportion<br>Service<br>Rate 313<br>(7) | Sales for<br>Resale<br>Rate 310<br>(8) | Interruptible<br>Sales Service<br>Rate 304<br>(9)-2 | Interruptible<br>Transportation<br>Rate 314<br>(10) |
|---|--------------------|--|---|--|---|---|
| UNCOLLECTIBLE ACCOUNTS ALLOCATOR  |                    |  |   |  |   |   |
| Base Revenue Uncollectibles 3 Year Average<br>Total Acct 904 Uncollectible Accounts | Claim Rev less Gas | 1,399<br>991                                       | 11,125<br>7,879                                 | <b>0</b><br>0                          | <b>0</b><br>0                                       | 1,399<br>991  |
| LATE PAYMENT CHARGE ALLOCATOR   | Use Acct 904 Alloc | 991  | 7,879   | 0                                      | 0   | 991   |
| ACCT 903 COLLECTION EXPENSE   |                    |  |   |  |   |   |
| ACCT 903 COLLECTION EXPENSE ALLOCATOR   | Use Acct 904 Alloc | 991  | 7,879   | 0                                      | 0   | 991   |

PERCENT UNACCT-SYSTEM

1.28%

|   | DESIGN DAY<br>DEMAND, Therms   |   |   |  | ADJI   | JSTED FOR LOS  | SSES   |
|---|--|---|---|--|--|--|--|
|   | Customer Class   | Total<br>Design Day<br><u>Demand</u>                      | Total<br>Design Day<br>Base Demand                        | Total<br>Design Day<br>Remaining Dem           | Total<br>Design Day<br><u>Demand</u>                             | Total<br>Design Day<br>Base Demand                       | Total<br>Design Day<br>Remaining Dem           |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26 | Residential Service 301 Small General Service 302 Medium General Serv 352 Large General Serv 303 Firm Trans Service 313 Sales for Resale 310 Interruptible Sales 304 Interruptible Trans 314 | 2,207,858<br>799,507<br>311,029<br>80,523<br>143,083<br>0 | 66,886<br>63,715<br>22,160<br>12,405<br>42,787<br>23<br>0 | 288,869<br>68,118<br>100,297                   | 2,236,380<br>809,835<br>315,047<br>81,564<br>144,932<br>543<br>0 | 67,750<br>64,539<br>22,446<br>12,566<br>43,339<br>0<br>0 | 745,297<br>292,601<br>68,998<br>101,592<br>520 |
| 27<br>28<br>29<br>30<br>31<br>32<br>33  | Total Total Firm Total Sales Total Transportation Total Interruptible  | 3,542,537<br>3,542,537<br>3,399,454<br>143,083            | 207,976<br>207,976<br>165,190<br>42,787                   | 3,334,561<br>3,334,561<br>3,234,264<br>100,297 | 3,588,301<br>3,588,301<br>3,443,370<br>144,932                   | 210,663<br>210,663<br>167,324<br>43,339                  | 3,377,638<br>3,377,638<br>3,276,046<br>101,592 |
|   |  |   |   | 3,542,537                                      | 3,588,301  |  |  |

|          | Therm Sales                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
|----------|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|---------------------------------|
|          |                                  | November               | December               | January                | February               | March                  | April                  | May                    | June                   | July                   | August                 | September              | October                | A1                       | Consumption<br>5 Month   |                          | C \A/4                          |
|          | Customer Class                   | 11<br><u>2021</u>      | 12<br><u>2021</u>      | 1<br><u>2021</u>       | 2<br><u>2021</u>       | 3<br><u>2021</u>       | 4<br><u>2021</u>       | 5<br><u>2021</u>       | 6<br><u>2021</u>       | 2021                   | 8<br><u>2021</u>       | 9<br><u>2021</u>       | 10<br><u>2021</u>      | Annual<br><u>Usage</u>   | Winter                   | 7 Month<br>Summer        | 5 mo. Wtr<br><u>% of Annual</u> |
| 1        | Residential Service 301          | 11,967,047             | 19,737,165             | 24,923,465             | 25,905,066             | 18,050,123             | 11,466,195             | 5,111,100              | 2,494,172              | 2,073,450              | 2,073,479              | 2,108,124              | 3,909,775              | 129,819,161              | 100,582,866              | 29,236,295               | 77.48%                          |
| 2        | Small General Service 302        | 5,340,611              | 8,004,764              | 9,827,453              | 10,177,959             | 7,465,503              | 5,209,428              | 3,025,783              | 2,123,847              | 1,977,811              | 1,972,545              | 1,985,209              | 2,592,584              | 59,703,497               | 40,816,290               | 18,887,207               | 68.36%                          |
| 3        | Medium General Serv 352          | 2,003,883              | 3,051,047              | 3,769,868              | 3,907,322              | 2,838,284              | 1,954,165              | 1,097,995              | 745,023                | 688,439                | 685,476                | 689,661                | 928,833                | 22,359,996               | 15,570,404               | 6,789,592                | 69.64%                          |
| 4        | Large General Serv 303           | 1,018,323              | 1,018,853              | 1,124,738              | 1,097,623              | 655,495                | 548,739                | 422,468                | 377,596                | 376,037                | 393,089                | 379,163                | 559,410                | 7,971,534                | 4,915,032                | 3,056,502                | 61.66%                          |
| 5        | Firm Trans Service 313           | 2,141,821              | 2,207,864              | 2,379,483              | 2,336,033              | 1,895,729              | 1,693,663              | 1,478,756              | 1,346,093              | 1,299,660              | 1,353,108              | 1,225,687              | 1,673,518              | 21,031,415               | 10,960,930               | 10,070,485               | 52.12%                          |
| 6        | Sales for Resale 310             | 4,918                  | 5,103                  | 6,129                  | 5,895                  | 3,338                  | 988                    | 542                    | 500                    | 675                    | 751                    | 762                    | 1,449                  | 31,050                   | 25,383                   | 5,667                    | 81.75%                          |
| 7        | Interruptible Sales 304          | 34,525                 | 34,024                 | 28,722                 | 29,104                 | 19,015                 | 13,788                 | 9,094                  | 12,359                 | 9,547                  | 2,845                  | 29,494                 | 31,419                 | 253,936                  | 145,390                  | 108,546                  | 57.25%                          |
| 8        | Interruptible Trans 314          | 9,279,366              | 9,278,585              | 9,812,975              | 9,363,806              | 8,051,612              | 7,438,097              | 7,026,618              | 6,622,729              | 6,857,489              | 6,714,492              | 6,440,096              | 7,588,358              | 94,474,223               | 45,786,344               | 48,687,879               | 48.46%                          |
| 9        |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 10<br>11 |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 12       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 13       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 14       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 15       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 16       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 17       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 18       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 19<br>20 |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 21       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 22       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 23       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 24       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 25       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 26       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 27       |                                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                                 |
| 28       |                                  | 31,790,494             | 43,337,405             | 51,872,833             | 52,822,808             | 38,979,099             | 28,325,063             | 18,172,356             | 13,722,319             | 13,283,108             | 13,195,785             | 12,858,196             | 17,285,346             | 335,644,812              | 218,802,639              | 116,842,173              | 65.19%                          |
|          | Total Firm                       | 22,476,603             | 34,024,796             | 42,031,136             | 43,429,898             | 30,908,472             | 20,873,178             | 11,136,644             | 7,087,231              | 6,416,072              | 6,478,448              | 6,388,606              | 9,665,569              | 240,916,653              | 172,870,905              | 68,045,748               | 71.76%                          |
|          | Total Sales Total Transportation | 20,334,782             | 31,816,932             | 39,651,653             | 41,093,865             | 29,012,743             | 19,179,515             | 9,657,888              | 5,741,138              | 5,116,412              | 5,125,340              | 5,162,919              | 7,992,051              | 219,885,238              | 161,909,975              | 57,975,263               | 73.63%<br>52.12%                |
|          | Total Interruptible              | 2,141,821<br>9,313,891 | 2,207,864<br>9,312,609 | 2,379,483<br>9,841,697 | 2,336,033<br>9,392,910 | 1,895,729<br>8,070,627 | 1,693,663<br>7,451,885 | 1,478,756<br>7,035,712 | 1,346,093<br>6,635,088 | 1,299,660<br>6,867,036 | 1,353,108<br>6,717,337 | 1,225,687<br>6,469,590 | 1,673,518<br>7,619,777 | 21,031,415<br>94,728,159 | 10,960,930<br>45,931,734 | 10,070,485<br>48,796,425 | 52.12%<br>48.49%                |
| 33       |                                  | 3,313,031              | 3,312,009              | 3,041,097              | 3,332,310              | 0,070,027              | 7,50,005               | 7,000,712              | 0,000,000              | 0,007,000              | 0,717,337              | 0,409,390              | 7,019,777              | 34,720,139               | 40,001,704               | 40,730,423               | 40.49 /0                        |

Therm Sales Sendout Level

|  | Customer Class   | November<br>11<br>2021   | December<br>12<br>2021   | January<br>1<br><u>2021</u>  | February<br>2<br><u>2021</u>  | March<br>3<br><u>2021</u>  | April<br>4<br><u>2021</u>  | May<br>5<br><u>2021</u>  | June<br>6<br>2021   | July<br>7<br><u>2021</u>   | August<br>8<br><u>2021</u>   | September<br>9<br>2021  | October<br>10<br>2021   | Annual<br><u>Usage</u>  | Consumption<br>5 Month<br>Winter  | Summaries<br>7 Month<br>Summer  | 5 mo. Wtr<br>% of Annual   |
|--|--|--|--|--|---|--|--|--|---|--|--|---|---|---|---|---|--|
| 1 2 3 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 | Residential Service 301 Small General Service 302 Medium General Serv 352 Large General Serv 303 Firm Trans Service 313 Sales for Resale 310 Interruptible Sales 304 Interruptible Trans 314 | 12,121,642<br>5,409,603<br>2,029,770<br>1,031,478<br>2,169,490<br>4,982<br>34,971<br>9,399,241 | 19,992,138<br>8,108,173<br>3,090,462<br>1,032,015<br>2,236,386<br>5,169<br>34,464<br>9,398,450 | 25,245,437<br>9,954,408<br>3,818,569<br>1,139,268<br>2,410,222<br>6,208<br>29,093<br>9,939,743 | 26,239,719<br>10,309,442<br>3,957,798<br>1,111,802<br>2,366,211<br>5,971<br>29,480<br>9,484,772 | 18,283,302<br>7,561,946<br>2,874,950<br>663,963<br>1,920,219<br>3,381<br>19,261<br>8,155,626 | 11,614,320<br>5,276,726<br>1,979,410<br>555,828<br>1,715,542<br>1,001<br>13,966<br>7,534,185 | 5,177,127<br>3,064,871<br>1,112,179<br>427,925<br>1,497,859<br>549<br>9,211<br>7,117,391 | 2,526,393<br>2,151,284<br>754,648<br>382,474<br>1,363,482<br>506<br>12,519<br>6,708,284 | 2,100,236<br>2,003,361<br>697,333<br>380,895<br>1,316,450<br>684<br>9,670<br>6,946,077 | 2,100,265<br>1,998,027<br>694,331<br>398,167<br>1,370,588<br>6,801,233 | 2,135,358<br>2,010,855<br>698,570<br>384,062<br>1,241,521<br>772<br>29,875<br>6,523,292 | 3,960,283<br>2,626,076<br>940,832<br>566,636<br>1,695,137<br>1,468<br>31,825<br>7,686,388 | 131,496,220<br>60,474,772<br>22,648,852<br>8,074,514<br>21,303,108<br>31,451<br>257,216<br>95,694,681 | 101,882,238<br>41,343,572<br>15,771,549<br>4,978,527<br>11,102,528<br>25,711<br>147,268<br>46,377,831 | 29,613,982<br>19,131,200<br>6,877,303<br>3,095,987<br>10,200,580<br>109,948<br>49,316,850 | 77.48%<br>68.36%<br>69.64%<br>61.66%<br>52.12%<br>81.75%<br>57.25%<br>48.46% |
| 31   | Total Total Firm Total Sales Total Transportation Total Interruptible  | 32,201,177<br>22,766,965<br>20,597,475<br>2,169,490<br>9,434,212                               | 43,897,256<br>34,464,343<br>32,227,957<br>2,236,386<br>9,432,913                               | 52,542,949<br>42,574,112<br>40,163,890<br>2,410,222<br>9,968,836                               | 53,505,195<br>43,990,944<br>41,624,733<br>2,366,211<br>9,514,252                                | 39,482,648<br>31,307,761<br>29,387,542<br>1,920,219<br>8,174,887                             | 28,690,979<br>21,142,827<br>19,427,284<br>1,715,542<br>7,548,152                             | 18,407,114<br>11,280,512<br>9,782,652<br>1,497,859<br>7,126,602                          | 13,899,589<br>7,178,787<br>5,815,304<br>1,363,482<br>6,720,803                          | 13,454,705<br>6,498,957<br>5,182,508<br>1,316,450<br>6,955,747                         | 13,366,254<br>6,562,139<br>5,191,551<br>1,370,588<br>6,804,114         | 13,024,304<br>6,471,137<br>5,229,616<br>1,241,521<br>6,553,167                          | 17,508,645<br>9,790,433<br>8,095,295<br>1,695,137<br>7,718,213                            | 339,980,814<br>244,028,917<br>222,725,809<br>21,303,108<br>95,951,898                                 | 221,629,225<br>175,104,125<br>164,001,597<br>11,102,528<br>46,525,100                                 | 118,351,589<br>68,924,792<br>58,724,212<br>10,200,580<br>49,426,798                       | 65.19%<br>71.76%<br>73.63%<br>52.12%<br>48.49%                               |

|          | Normal Degree Days        |          |          |         |             |             |             |      |             |             |             |             |             |            |
|----------|---------------------------|----------|----------|---------|-------------|-------------|-------------|------|-------------|-------------|-------------|-------------|-------------|------------|
|          |                           | November | December | January | February    | March       | April       | May  | June        | July        | August      | September   | October     |            |
|          |                           | 11       | 12       | 1       | 2           | 3           | 4           | 5    | 6           | 7           | 8           | 9           | 10          | Total Yr's |
|          | Customer Class            | 2021     | 2021     | 2021    | <u>2021</u> | <u>2021</u> | <u>2021</u> | 2021 | <u>2021</u> | <u>2021</u> | <u>2021</u> | <u>2021</u> | <u>2021</u> | DD's       |
| 1        | Residential Service 301   | 323      | 570      | 749     | 780         | 521         | 306         | 99   | 14          | 0           | 0           | 1           | 60          | 3,424      |
| 2        | Small General Service 302 | 323      | 570      | 749     | 780         | 521         | 306         | 99   | 14          | 0           | 0           | 1           | 60          | 3,424      |
| 3        | Medium General Serv 352   | 323      | 570      | 749     | 780         | 521         | 306         | 99   | 14          | 0           | 0           |             | 60          | 3,424      |
| 4        | Large General Serv 303    | 451      | 695      | 796     | 629         | 442         | 182         | 45   | 1           | 0           | 0           |             | 168         | 3,424      |
| 5        | Firm Trans Service 313    | 451      | 695      | 796     | 629         | 442         | 182         | 45   | 1           | 0           | 0           |             | 168         | 3,424      |
| 6        | Sales for Resale 310      | 451      | 695      | 796     | 629         | 442         | 182         | 45   | 1           | 0           | 0           |             | 168         | 3,424      |
| 7        | Interruptible Sales 304   | 451      | 695      | 796     | 629         | 442         | 182         | 45   | 1           | 0           | 0           |             | 168         | 3,424      |
| 8        | Interruptible Trans 314   | 451      | 695      | 796     | 629         | 442         | 182         | 45   | 1           | 0           | 0           | 15          | 168         | 3,424      |
| 9        |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 10       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 11       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 12       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 13       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 14       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 15       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 16<br>17 |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 18       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 19       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 20       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 21       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 22       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 23       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 24       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 25       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 26       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 27       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 28       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 29       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 30       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 31       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 32       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |
| 33       |                           |          |          |         |             |             |             |      |             |             |             |             |             |            |

|    | Customers                 |          |          |             |             |         |         |         |         |         |         |           |         |            |         |           |
|----|---------------------------|----------|----------|-------------|-------------|---------|---------|---------|---------|---------|---------|-----------|---------|------------|---------|-----------|
|    |                           | November | December | January     | February    | March   | April   | May     | June    | July    | August  | September | October |            |         |           |
|    |                           | 11       | 12       | 1           | 2           | 3       | 4       | 5       | 6       | 7       | 8       | 9         | 10      | Annual No. | 5 Month | 7 Month   |
|    | Customer Class            | 2021     | 2021     | <u>2021</u> | <u>2021</u> | 2021    | 2021    | 2021    | 2021    | 2021    | 2021    | 2021      | 2021    | Customers  | Winter  | Summer    |
| 1  | Residential Service 301   | 175,881  | 177,507  | 175,057     | 175,447     | 175,833 | 175,906 | 175,393 | 174,860 | 174,830 | 174,576 | 174,423   | 174,686 | 2,104,399  | 879,725 | 1,224,674 |
| 2  | Small General Service 302 | 17,735   | 17,943   | 17,839      | 17,899      | 17,884  | 17,869  | 17,754  | 17,634  | 17,602  | 17,546  | 17,549    | 17,551  | 212,805    | 89,300  | 123,505   |
| 3  | Medium General Serv 352   | 568      | 575      | 572         | 574         | 573     | 573     | 569     | 565     | 564     | 562     | 562       | 563     | 6,820      | 2,862   | 3,958     |
| 4  | Large General Serv 303    | 53       | 53       | 52          | 52          | 52      | 48      | 48      | 51      | 52      | 52      | 53        | 53      | 619        | 262     | 357       |
| 5  | Firm Trans Service 313    | 78       | 76       | 76          | 76          | 76      | 80      | 79      | 78      | 77      | 77      | 78        | 77      | 928        | 382     | 546       |
| 6  | Sales for Resale 310      | 2        | 2        | 2           | 2           | 2       | 2       | 2       | 2       | 2       | 2       | 2         | 2       | 24         | 10      | 14        |
| 7  | Interruptible Sales 304   | 2        | 2        | 2           | 2           | 2       | 2       | 2       | 2       | 2       | 2       | 2         | 2       | 24         | 10      | 14        |
| 8  | Interruptible Trans 314   | 49       | 49       | 49          | 49          | 49      | 49      | 49      | 49      | 49      | 49      | 49        | 49      | 588        | 245     | 343       |
| 9  |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 10 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 11 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 12 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 13 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 14 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 15 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 16 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 17 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 18 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 19 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 20 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 21 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 22 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 23 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 24 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 25 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 26 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 27 |                           |          |          |             |             |         |         |         |         |         |         |           |         | 0          | 0       | 0         |
| 28 | Total                     | 194,368  | 196,207  | 193,649     | 194,101     | 194,471 | 194,529 | 193,896 | 193,241 | 193,178 | 192,866 | 192,718   | 192,983 | 2,326,207  | 972,796 | 1,353,411 |
| 29 | Total Firm                | 194,317  | 196,156  | 193,598     | 194,050     | 194,420 | 194,478 | 193,845 | 193,190 | 193,127 | 192,815 | 192,667   | 192,932 | 2,325,595  | 972,541 | 1,353,054 |
| 30 |                           | 194,239  | 196,080  | 193,522     | 193,974     | 194,344 | 194,398 | 193,766 | 193,112 | 193,050 | 192,738 | 192,589   | 192,855 | 2,324,667  | 972,159 | 1,352,508 |
| 31 | Total Transportation      | 78       | 76       | 76          | 76          | 76      | 80      | 79      | 78      | 77      | 77      | 78        | 77      | 928        | 382     | 546       |
| 32 | Total Interruptible       | 51       | 51       | 51          | 51          | 51      | 51      | 51      | 51      | 51      | 51      | 51        | 51      | 612        | 255     | 357       |
| 33 | •                         |          |          |             |             |         |         |         |         |         |         |           |         |            |         |           |

|  | Use Per Customer   |  |   |   |   |  |   |  |  |  |  |   |  |  |   |  |
|--|--|--|---|---|---|--|---|--|--|--|--|---|--|--|---|--|
|  | Customer Class   | November<br>11<br><u>2021</u>  | December<br>12<br><u>2021</u>   | January<br>1<br><u>2021</u>   | February<br>2<br><u>2021</u>  | March<br>3<br><u>2021</u>  | April<br>4<br><u>2021</u>   | May<br>5<br><u>2021</u>  | June<br>6<br><u>2021</u>   | July<br>7<br><u>2021</u>   | August<br>8<br><u>2021</u>                                       | September<br>9<br><u>2021</u>                                     | October<br>10<br><u>2021</u>                                       | Annual   | 5 Month<br>Winter   | 7 Month<br>Summer  |
| 1 2 3 3 4 4 5 5 6 6 7 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 | Medium General Serv 352 Large General Serv 303 Firm Trans Service 313 Sales for Resale 310 Interruptible Sales 304 Interruptible Trans 314 | 68<br>301<br>3,528<br>19,214<br>27,459<br>2,459<br>17,263<br>189,375 | 111<br>446<br>5,306<br>19,224<br>29,051<br>2,552<br>17,012<br>189,359 | 142<br>551<br>6,591<br>21,630<br>31,309<br>3,065<br>14,361<br>200,265 | 148<br>569<br>6,807<br>21,108<br>30,737<br>2,948<br>14,552<br>191,098 | 103<br>417<br>4,953<br>12,606<br>24,944<br>1,669<br>9,508<br>164,319 | 65<br>292<br>3,410<br>11,432<br>21,171<br>494<br>6,894<br>151,798 | 29<br>170<br>1,930<br>8,801<br>18,718<br>271<br>4,547<br>143,400 | 14<br>120<br>1,319<br>7,404<br>17,258<br>250<br>6,180<br>135,158 | 12<br>112<br>1,221<br>7,231<br>16,879<br>338<br>4,774<br>139,949 | 12<br>112<br>1,220<br>7,559<br>17,573<br>376<br>1,423<br>137,030 | 12<br>113<br>1,227<br>7,154<br>15,714<br>381<br>14,747<br>131,431 | 22<br>148<br>1,650<br>10,555<br>21,734<br>725<br>15,710<br>154,864 | 62<br>281<br>3,279<br>12,878<br>22,663<br>1,294<br>10,581<br>160,670 | 114<br>457<br>5,440<br>18,760<br>28,694<br>2,538<br>14,539<br>186,883 | 24<br>153<br>1,715<br>8,562<br>18,444<br>405<br>7,753<br>141,947 |
| 29<br>30<br>31   | 3 Total 9 Total Firm 10 Total Sales 1 Total Transportation 2 Total Interruptible   | 164<br>116<br>105<br>27,459<br>182,625                               | 221<br>173<br>162<br>29,051<br>182,600                                | 268<br>217<br>205<br>31,309<br>192,974                                | 272<br>224<br>212<br>30,737<br>184,175                                | 200<br>159<br>149<br>24,944<br>158,248                               | 146<br>107<br>99<br>21,171<br>146,115                             | 94<br>57<br>50<br>18,718<br>137,955                              | 71<br>37<br>30<br>17,258<br>130,100                              | 69<br>33<br>27<br>16,879<br>134,648                              | 68<br>34<br>27<br>17,573<br>131,712                              | 67<br>33<br>27<br>15,714<br>126,855                               | 90<br>50<br>41<br>21,734<br>149,407                                | 144<br>104<br>95<br>22,663<br>154,785                                | 225<br>178<br>167<br>28,694<br>180,124                                | 86<br>50<br>43<br>18,444<br>136,685                              |

#### **Design Day Demands Calculation**

|    |                           |              |              | Regression   | rediction  |           |                |
|----|---------------------------|--------------|--------------|--------------|------------|-----------|----------------|
|    |                           | R-Square     | Monthly      | Use per      |            |           | R -Square >90% |
|    | Customer Class            | Greater Than | Base Use     | Deg Day      | Peak Month |           | Load at        |
|    |                           | 90%          | per customer | per customer | Customers  | R -Square | 70.0           |
| 1  | Residential Service 301   |              | 12           | 0.17         | 175,447    | 100%      | 2,207,858      |
| 2  | Small General Service 302 |              | 112          | 0.59         | 17,899     | 100%      | 799,507        |
| 3  | Medium General Serv 352   |              | 1,218        | 7.17         | 574        | 100%      | 311,029        |
| 4  | Large General Serv 303    |              | 7,523        | 18.59        | 52         | 93%       | 80,523         |
| 5  | Firm Trans Service 313    |              | 17,366       | 18.74        | 76         | 96%       | 143,083        |
| 6  | Sales for Resale 310      |              | 232          | 3.72         | 2          | 94%       | 536            |
| 7  | Interruptible Sales 304   |              | 7,007        | 12.53        | 2          | 45%       | 0              |
| 8  | Interruptible Trans 314   |              | 137,407      | 81.54        | 49         | 94%       | 0              |
| 9  |                           |              |              |              |            |           |                |
| 10 |                           |              |              |              |            |           |                |
| 11 |                           |              |              |              |            |           |                |
| 12 |                           |              |              |              |            |           |                |
| 13 |                           |              |              |              |            |           |                |
| 14 |                           |              |              |              |            |           |                |
| 15 |                           |              |              |              |            |           |                |
| 16 |                           |              |              |              |            |           |                |
| 17 |                           |              |              |              |            |           |                |
| 18 |                           |              |              |              |            |           |                |
| 19 |                           |              |              |              |            |           |                |
| 20 |                           |              |              |              |            |           |                |
| 21 |                           |              |              |              |            |           |                |
| 22 |                           |              |              |              |            |           |                |
| 23 |                           |              |              |              |            |           |                |
| 24 |                           |              |              |              |            |           |                |
| 25 |                           |              |              |              |            |           |                |
| 26 |                           |              |              |              |            |           |                |
| 27 |                           |              |              |              |            |           |                |
| 28 | Total                     |              |              |              |            |           | 3,542,537      |
| 29 | Total Firm                |              |              |              |            |           | 3,542,537      |
| 30 | Total Sales               |              |              |              |            |           | 3,399,454      |
| 31 | Total Transportation      |              |              |              |            |           | 143,083        |
| 32 | Total Interruptible       |              |              |              |            |           | -              |
| 33 |                           |              |              |              |            |           |                |
|    |                           |              |              |              |            |           |                |

Regression Prediction

#### Exhibit PMN-9-COS Page 18 of 63

| Line<br>No. | Rate Schedule                        | Test Period<br>Actual Billing<br>Determinants<br>(A) | Normalized<br>Adjustment<br>(B) | Normalized<br>Dekatherms<br>(C) | Growth Adj<br>Thru Attrition<br>Period<br>(D) | Attrition Period<br>Billing<br>Determinants<br>(E) | "Clean"<br>Total<br>Rate<br>(F) | Attrition Period<br>Revenues<br>Before Unprotected<br>Excess ADIT Refund<br>(G) | "Clean"<br>Total Rate plus<br>Unprotected Excess<br>ADIT Refund Rate<br>(H) | Attrition Period<br>Revenues<br>Including Unprotected<br>Excess ADIT Refund<br>(I) |
|-------------|--------------------------------------|--|---------------------------------|---------------------------------|---|--|---------------------------------|---|---|--|
| 1           | 301 - Residential Service            |  |                                 |                                 |   |  |                                 |   |   |  |
| 2           | Bills - Winter                       | 859,496  |                                 |                                 | 20,229  | 879,725  | \$17.45                         | \$15,351,201  | \$17.45   | \$15,351,201   |
| 3           | Bills - Summer                       | 1,184,228  |                                 |                                 | 40,446  | 1,224,674  | \$13.45                         | \$16,471,865  | \$13.45   | \$16,471,865   |
| 4           | DTs - Winter                         | 8,666,725  | 1,174,863                       | 9,841,588                       | 216,698                                       | 10,058,287   | \$5.6303                        | \$56,631,171  | \$5.2092  | \$52,395,627   |
| 5           | DTs - Summer                         | 2,554,752  | 272,324                         | 2,827,076                       | 96,554  | 2,923,630  | \$5.1303                        |   | \$4.7092  | \$13,767,956   |
| 6           | Integrity Management Rider Revenues  |  |                                 |                                 |   |  |                                 | \$21,384,181  |   | \$21,384,181   |
| 7           | 301 / 343 - Residential Service      |  |                                 |                                 |   |  |                                 |   |   |  |
| 8           | Motor Vehicle Fuel                   |  |                                 |                                 |   |  |                                 |   |   |  |
| 9           | Bills - Winter                       | -  |                                 |                                 | -   | -  | \$17.45                         | \$0   | \$17.45   | \$0  |
| 10          | Bills - Summer                       | -  |                                 |                                 | -   | -  | \$13.45                         | \$0   | \$13.45   | \$0  |
| 11          | DTs - Winter                         | -  | -                               | -                               | -   | -  | \$5.6303                        |   | \$5.2092  | \$0  |
| 12          | DTs - Summer                         | -  | -                               | -                               | -   | -  | \$5.1303                        | \$0   | \$4.7092  | \$0  |
| 13          | TOTAL RESIDENTIAL SERVICE            |  |                                 |                                 |   |  |                                 |   |   |  |
| 14          | Bills - Annual                       | 2,043,724  |                                 |                                 | 60,675  | 2,104,399  |                                 |   |   |  |
| 15          | DTs - Winter                         | 8,666,725  | 1,174,863                       | 9,841,588                       | 216,698                                       | 10,058,287   |                                 |   |   |  |
| 16          | DTs - Summer                         | 2,554,752  | 272,324                         | 2,827,076                       | 96,554  | 2,923,630  |                                 |   |   |  |
| 17          | DTs - Annual                         | 11,221,477   | 1,447,187                       | 12,668,664                      | 313,252                                       | 12,981,916   |                                 |   |   |  |
| 18          | Revenues                             |  |                                 |                                 |   |  |                                 | \$124,837,515   |   | \$119,370,830  |
| 19          | 302 - Small General Service          |  |                                 |                                 |   |  |                                 |   |   |  |
| 20          | Bills - Annual                       | 210,508  |                                 |                                 | 2,297   | 212,805  | \$44.00                         | \$9,363,420   | \$44.00   | \$9,363,420  |
| 21          | DTs - Winter                         | 3,629,276  | 412,102                         | 4,041,377                       | 40,252  | 4,081,629  | \$6.0081                        | \$24,522,835  | \$5.6403  | \$23,021,612   |
| 22          | DTs - Summer                         | 1,786,045  | 83,830                          | 1,869,874                       | 18,846  | 1,888,721  | \$5.4681                        | \$10,327,714  | \$5.1003  | \$9,633,042  |
| 23          | Integrity Management Rider Revenues  |  |                                 |                                 |   |  |                                 | \$8,970,428   |   | \$8,970,428  |
| 24          | 302 / 343 - Small General Service    |  |                                 |                                 |   |  |                                 |   |   |  |
| 25          | Motor Vehicle Fuel                   |  |                                 |                                 |   |  |                                 |   |   |  |
| 26          | Bills - Annual                       | -  |                                 |                                 | -   | -  | \$44.00                         | -   | \$44.00   | -  |
| 27          | DTs - Winter                         | -  | -                               | -                               | -   | -  | \$6.0081                        | -   | \$5.6403  | -  |
| 28          | DTs - Summer                         | -  | -                               | -                               | -   | -  | \$5.4681                        | -   | \$5.1003  | -  |
| 29          | 352 - Medium General Service         |  |                                 |                                 |   |  |                                 |   |   |  |
| 30          | Bills - Annual                       | 6,579  |                                 |                                 | 229   | 6,808  | \$225.00                        | \$1,531,800   | \$225.00  | \$1,531,800  |
| 31          | DTs - Winter                         | 1,388,403  | 158,335                         | 1,546,738                       | 10,034  | 1,556,772  | \$6.0081                        | \$9,353,242   | \$5.6403  | \$8,780,662  |
| 32          | DTs - Summer                         | 582,753  | 35,695                          | 618,447                         | 58,277  | 676,724  | \$5.4681                        | \$3,700,393   | \$5.1003  | \$3,451,494  |
| 33          | Integrity Management Rider Revenues  |  |                                 |                                 |   |  |                                 | \$2,215,717   |   | \$2,215,717  |
| 34          | 352 / 343 - Medium General Service   |  |                                 |                                 |   |  |                                 |   |   |  |
| 35          | Motor Vehicle Fuel                   |  |                                 |                                 |   |  |                                 |   |   |  |
| 36          | Bills - Annual                       | 12   |                                 |                                 | -   | 12   | \$225.00                        | \$2,700   | \$225.00  | \$2,700  |
| 37          | DTs - Winter                         | 268  | -                               | 268                             | -   | 268  | \$6.0081                        | \$1,612   | \$5.6403  | \$1,513  |
| 38          | DTs - Summer                         | 2,236  | -                               | 2,236                           | -   | 2,236  | \$5.4681                        | \$12,224  | \$5.1003  | \$11,402   |
| 39          | TOTAL SMALL & MEDIUM GENERAL SERVICE |  |                                 |                                 |   |  |                                 |   |   |  |
| 40          | Bills - Annual                       | 217,099  |                                 |                                 | 2,526   | 219,625  |                                 |   |   |  |
| 41          | DTs - Winter                         | 5,017,947  | 570,437                         | 5,588,383                       | 50,286  | 5,638,669  |                                 |   |   |  |
| 42          | DTs - Summer                         | 2,371,033  | 119,525                         | 2,490,557                       | 77,123  | 2,567,680  |                                 |   |   |  |
| 43          | DTs - Annual                         | 7,388,979  | 689,961                         | 8,078,940                       | 127,409                                       | 8,206,349  |                                 |   |   |  |
| 44          | Revenues                             |  |                                 |                                 |   |  |                                 | \$70,002,085  |   | \$66,983,790   |

| Line<br>No. | Rate Schedule  | Test Period<br>Actual Billing<br>Determinants<br>(A) | Normalized<br>Adjustment<br>(B) | Normalized<br>Dekatherms<br>(C) | Growth Adj<br>Thru Attrition<br>Period<br>(D) | Attrition Period<br>Billing<br>Determinants<br>(E) | "Clean"<br>Total<br>Rate<br>(F) | Attrition Period<br>Revenues<br>Before Unprotected<br>Excess ADIT Refund<br>(G) | "Clean"<br>Total Rate plus<br>Unprotected Excess<br>ADIT Refund Rate<br>(H) | Attrition Period<br>Revenues<br>Including Unprotected<br>Excess ADIT Refund<br>(I) |
|-------------|--|--|---------------------------------|---------------------------------|---|--|---------------------------------|---|---|--|
| 45          | 303 - Large General Sales Service  |  |                                 |                                 |   |  |                                 |   |   |  |
| 46          | Bills - Annual   | 607  |                                 |                                 | _   | 607  | \$800.00                        | \$485,600   | \$800.00  | \$485,600  |
| 47          | DTs - Demand   | 79,641   |                                 | 79,641                          | 598   | 80,238   | \$16.2829                       | \$1,306,509   | \$16.2829   | \$1,306,509  |
| 48          | DTs - First 1,500  | 548,791  | -                               | 548,791                         | 8,928   | 557,719  | \$2.8912                        | \$1,612,478   | \$2.8227  | \$1,574,274  |
| 49          | DTs - Next 2,500   | 192,787  | -                               | 192,787                         | 24,938  | 217,725  | \$2.8183                        | \$613,613   | \$2.7498  | \$598,699  |
| 50          | DTs - Next 5,000   | 5,263  | -                               | 5,263                           | 3,500   | 8,763  | \$2.5680                        | \$22,504  | \$2.4995  | \$21,904   |
| 51          | DTs - Over 9,000   | -  | -                               | -                               | -   | -  | \$2.1994                        | \$0   | \$2.1309  | \$0  |
| 52<br>53    | Integrity Management Rider Revenues<br>Minimum Margin Agreement Revenues |  |                                 |                                 |   |  |                                 | \$478,997<br>\$13,505   |   | \$478,997<br>\$13,505  |
| 54<br>55    | 303 / 343 - Large General Sales Service<br>Motor Vehicle Fuel            |  |                                 |                                 |   |  |                                 |   |   |  |
| 56          | Bills - Annual   | 12   |                                 |                                 | _   | 12   | \$800.00                        | \$9,600   | \$800.00  | \$9,600  |
| 57          | DTs - Demand   | 1,448  |                                 | 1,448                           | (728)   | 720  | \$16.2829                       | \$11,724  | \$16.2829   | \$11,724   |
| 58          | DTs - First 1,500  | 18,000   | -                               | 18,000                          | (5,054)                                       | 12,946   | \$2.8912                        | \$37,430  | \$2.8227  | \$36,543   |
| 59          | DTs - Next 2,500   | 20,878   | -                               | 20,878                          | (20,878)                                      | 0  | \$2.8183                        | \$0   | \$2.7498  | \$0  |
| 60          | DTs - Next 5,000   | -  | -                               | -                               | - '   | -  | \$2.5680                        | \$0   | \$2.4995  | \$0  |
| 61          | DTs - Over 9,000   | -  | -                               | -                               | -   | -  | \$2.1994                        | \$0   | \$2.1309  | \$0  |
| 62          | 304 - Interruptible General Sales Service                                |  |                                 |                                 |   |  |                                 |   |   |  |
| 63          | Bills - Annual   | 24   |                                 |                                 | -   | 24   | \$800.00                        | \$19,200  | \$800.00  | \$19,200   |
| 64          | DTs - First 1,500  | 18,010   | -                               | 18,010                          | -   | 18,010   | \$2.8912                        | \$52,069  | \$2.8227  | \$50,835   |
| 65          | DTs - Next 2,500   | 7,384  | -                               | 7,384                           | -   | 7,384  | \$2.8183                        | \$20,811  | \$2.7498  | \$20,305   |
| 66          | DTs - Next 5,000   | -  | -                               | -                               | -   | -  | \$2.5680                        | \$0   | \$2.4995  | \$0  |
| 67          | DTs - Over 9,000   | -  | -                               | -                               | -   | -  | \$2.1994                        | \$0   | \$2.1309  | \$0  |
| 68          | Integrity Management Rider Revenues                                      |  |                                 |                                 |   |  |                                 | \$4,661   |   | \$4,661  |
| 69<br>70    | 304 / 343 - Interruptible General Sales Service<br>Motor Vehicle Fuel    |  |                                 |                                 |   |  |                                 |   |   |  |
| 71          | Bills - Annual   | _  |                                 |                                 | _   | _  | \$800.00                        | \$0   | \$800.00  | \$0  |
| 72          | DTs - First 1,500  | -  | _                               | _                               | _   | -  | \$2.8912                        | \$0   | \$2.8227  | \$0  |
| 73          | DTs - Next 2,500   | _  | _                               | _                               | _   | _  | \$2.8183                        | \$0   | \$2.7498  | \$0  |
| 74          | DTs - Next 5,000   | -  | _                               | _                               | -   | -  | \$2.5680                        | \$0   | \$2.4995  | \$0  |
| 75          | DTs - Over 9,000   | -  | -                               | -                               | -   | -  | \$2.1994                        | \$0   | \$2.1309  | \$0  |
| 76          | 313 - Firm Transportation Service  |  |                                 |                                 |   |  |                                 |   |   |  |
| 77          | Bills - Annual   | 892  |                                 |                                 | -   | 892  | \$800.00                        | \$713,600   | \$800.00  | \$713,600  |
| 78          | DTs - Demand   | 150,547  |                                 | 150,547                         | -   | 150,547  | \$16.2829                       | \$2,451,347   | \$16.2829   | \$2,451,347  |
| 79          | DTs - First 1,500  | 1,021,090  | -                               | 1,021,090                       | -   | 1,021,090  | \$0.9195                        | \$938,892   | \$0.8510  | \$868,947  |
| 80          | DTs - Next 2,500   | 603,062  | -                               | 603,062                         | -   | 603,062  | \$0.8466                        | \$510,552   | \$0.7781  | \$469,243  |
| 81          | DTs - Next 5,000   | 245,047  | -                               | 245,047                         | -   | 245,047  | \$0.5963                        | \$146,121   | \$0.5278  | \$129,336  |
| 82          | DTs - Over 9,000   | 26,964   | -                               | 26,964                          | -   | 26,964   | \$0.2277                        | \$6,140   | \$0.1592  | \$4,293  |
| 83<br>84    | Integrity Management Rider Revenues Minimum Margin Agreement Revenues    |  |                                 |                                 |   |  |                                 | \$1,284,614<br>238,800  |   | \$1,284,614<br>238,800   |
| 85          | 313 / 343 - Firm Transportation Service                                  |  |                                 |                                 |   |  |                                 |   |   |  |
| 86          | Motor Vehicle Fuel   |  |                                 |                                 |   |  |                                 |   |   |  |
| 87          | Bills - Annual   | 24   |                                 |                                 | 12  | 36   | \$800.00                        | \$28,800  | \$800.00  | \$28,800   |
| 88          | DTs - Demand   | 8,915  |                                 | 8,915                           | 819   | 9,734  | \$16.2829                       | \$158,498   | \$16.2829   | \$158,498  |
| 89          | DTs - First 1,500  | 27,944   | -                               | 27,944                          | 26,056  | 54,000   | \$0.9195                        | \$49,653  | \$0.8510  | \$45,954   |
| 90          | DTs - Next 2,500   | 30,000   | -                               | 30,000                          | 10,200  | 40,200   | \$0.8466                        | \$34,033  | \$0.7781  | \$31,280   |
| 91          | DTs - Next 5,000   | 60,000   | -                               | 60,000                          | -   | 60,000   | \$0.5963                        | \$35,778  | \$0.5278  | \$31,668   |
| 92          | DTs - Over 9,000   | 52,780   | -                               | 52,780                          | -   | 52,780   | \$0.2277                        | \$12,018  | \$0.1592  | \$8,403  |

| Line<br>No. | Rate Schedule                                    | Test Period<br>Actual Billing<br>Determinants<br>(A) | Normalized<br>Adjustment<br>(B) | Normalized<br>Dekatherms<br>(C) | Growth Adj<br>Thru Attrition<br>Period<br>(D) | Attrition Period<br>Billing<br>Determinants<br>(E) | "Clean"<br>Total<br>Rate<br>(F) | Attrition Period<br>Revenues<br>Before Unprotected<br>Excess ADIT Refund<br>(G) | "Clean"<br>Total Rate plus<br>Unprotected Excess<br>ADIT Refund Rate<br>(H) | Attrition Period<br>Revenues<br>Including Unprotected<br>Excess ADIT Refund<br>(I) |
|-------------|--|--|---------------------------------|---------------------------------|---|--|---------------------------------|---|---|--|
| 93          | 314 - Interruptible Transportation Service       |  |                                 |                                 |   |  |                                 |   |   |  |
| 94          | Bills - Annual                                   | 588  |                                 |                                 | _   | 588  | \$800.00                        | \$470,400   | \$800.00  | \$470,400  |
| 95          | DTs - First 1,500                                | 828,004  | _                               | 828,004                         | _   | 828,004  | \$0.9195                        | \$761,349   | \$0.8510  | \$704,631  |
| 96          | DTs - Next 2,500                                 | 1,092,995  | _                               | 1,092,995                       | _   | 1,092,995  | \$0.8466                        | \$925,330   | \$0.7781  | \$850,460  |
| 97          | DTs - Next 5,000                                 | 1,156,793  | _                               | 1,156,793                       | 25,405  | 1,182,198.0  | \$0.5963                        | \$704,945   | \$0.5278  | \$623,964  |
| 98          | DTs - Over 9,000                                 | 6,239,649  | -                               | 6,239,649                       | 104,577                                       | 6,344,226  | \$0.2277                        | \$1,444,580   | \$0.1592  | \$1,010,001  |
| 99          | Integrity Management Rider Revenues              |  |                                 |                                 |   |  |                                 | \$1,504,393   |   | \$1,504,393  |
| 100         | 314 / 343 - Interruptible Transportation Service |  |                                 |                                 |   |  |                                 |   |   |  |
| 101         | Motor Vehicle Fuel                               |  |                                 |                                 |   |  |                                 |   |   |  |
| 102         | Bills - Annual                                   | -  |                                 |                                 | -   | -  | \$800.00                        | \$0   | \$800.00  | \$0  |
| 103         | DTs - First 1,500                                | -  | -                               | -                               | -   | -  | \$0.9195                        | \$0   | \$0.8510  | \$0  |
| 104         | DTs - Next 2,500                                 | -  | -                               | -                               | -   | -  | \$0.8466                        | \$0   | \$0.7781  | \$0  |
| 105         | DTs - Next 5,000                                 | -  | -                               | -                               | -   | -  | \$0.5963                        | \$0   | \$0.5278  | \$0  |
| 106         | DTs - Over 9,000                                 | -  | -                               | -                               | -   | -  | \$0.2277                        | \$0   | \$0.1592  | \$0  |
| 107         | 310 - Resale Service                             |  |                                 |                                 |   |  |                                 |   |   |  |
| 108         | Bills - Annual                                   | 24   |                                 |                                 |   | 24   |                                 |   |   |  |
| 109         | DTs - Demand                                     | 1,800  | -                               | 1,800                           | -   | 1,800  | \$16.2829                       | \$29,309  | \$16.2829   | \$29,309   |
| 110         | DTs - Annual                                     | 3,105  | -                               | 3,105                           | -   | 3,105  | \$2.7235                        | \$8,456   | \$2.5149  | \$7,809  |
| 111         | Integrity Management Rider Revenues              |  |                                 |                                 |   |  |                                 | \$ 10,039   |   | \$ 10,039  |
| 112         | 310 / 343- Resale Service                        |  |                                 |                                 |   |  |                                 |   |   |  |
| 113         | Motor Vehicle Fuel                               |  |                                 |                                 |   |  |                                 |   |   |  |
| 114         | Bills - Annual                                   |  |                                 |                                 |   | -  |                                 |   |   |  |
| 115         | DTs - Demand                                     | -  | -                               | -                               | -   | -  | \$16.2829                       | \$0   | \$16.2829   | \$0  |
| 116         | DTs - Annual                                     | -  | -                               | -                               | -   | -  | \$2.7235                        | \$0   | \$2.5149  | \$0  |
| 117         | TOTAL TARIFF LARGE VOLUME                        |  |                                 |                                 |   |  |                                 |   |   |  |
| 118         | Bills - Annual                                   | 2,171  | -                               |                                 | 12  | 2,183  |                                 |   |   |  |
| 119         | DTs - Demand                                     | 242,351  | -                               | 242,351                         | 689   | 243,039  |                                 |   |   |  |
| 120         | DTs - Annual                                     | 12,198,543   | =                               | 12,198,543                      | 177,673                                       | 12,376,216   |                                 | 647.450.040   |   | 646 000 440  |
| 121         | Revenues   |  |                                 |                                 |   |  |                                 | \$17,156,348  |   | \$16,308,142   |
| 122         | Special Contracts                                |  |                                 |                                 |   |  |                                 |   |   |  |
| 123         | Bills - Annual                                   | 12   |                                 | 202 244                         |   | 12   |                                 | <b>*</b> 050.450  |   | 0050.450   |
| 124         | DTs - Annual                                     | 603,311  | -                               | 603,311                         | -   | 603,311  |                                 | \$259,159   |   | \$259,159  |
| 125         | GRAND TOTAL - ALL TARIFF & SPECIAL CONTRACT      |  |                                 |                                 |   |  |                                 |   |   |  |
| 126         | Bills - Annual                                   | 2,263,006  | 0                               | 0                               | 63,213  | 2,326,219  |                                 |   |   |  |
| 127         | DTs - Demand<br>DTs - Annual                     | 242,351  | 0                               | 242,351                         | 689   | 243,039  |                                 |   |   |  |
| 128<br>129  | Revenues   | 31,412,310   | 2,137,148                       | 33,549,459                      | 618,334                                       | 34,167,792   |                                 | \$212,255,107   |   | \$202,921,922  |
| 129         | Reveilues  | -  | -                               | -                               | -   | -  |                                 | \$212,233,10 <i>1</i>   |   | \$202,921,922  |
| 130         | SALES AND TRANSPORTATION                         | Dts  | Dts                             | Dts                             | Dts   | Dts  |                                 |   |   |  |
| 131         | Total Sales                                      | 19,424,673   | 2,137,148                       | 21,561,822                      | 452,096                                       | 22,013,917   |                                 | 199,576,105   |   | 191,034,133  |
| 132         | Total Transportation                             | 11,987,637   | 2,137,146                       | 11,987,637                      | 452,096<br>166,238                            | 12,153,875   |                                 | 12,679,002  |   | 191,034,133  |
| 133         | Total Annual                                     | 31,412,310   | 2,137,148                       | 33,549,459                      | 618,334                                       | 34,167,792   |                                 | \$212,255,107   |   | \$202,921,922  |
|             |  | 0.,,510  | 2,,.40                          | 22,2.2,200                      | 3.3,304                                       | .,,  |                                 | Ţ=.=,=55,107  |   | Ţ===,==,,3 <u>=</u>  |

Attrition Period

Current

|          |                                      | 0              | Attaition Donied | 0              | Assertion Donied | 0                | Assertations Donated | Current              | Attrition Period |
|----------|--------------------------------------|----------------|------------------|----------------|------------------|------------------|----------------------|----------------------|------------------|
|          |                                      | Current        | Attrition Period | Current        | Attrition Period | Current          | Attrition Period     | Unprotected Excess U |                  |
| 13       |                                      | Base Margin    | Base Margin      | COG Demand     | COG Demand       | COG Commodity    | COG Commodity        | ADIT Refund          | ADIT Refund      |
| Line     | Data Oaka dala                       | Rate Component | Revenues         | Rate Component | Revenues         | Rate Component   | Revenues             | Rate Component       | Revenues         |
| No.      | Rate Schedule                        | (J)            | (K)              | (L)            | (M)              | (N)              | (O)                  | (P)                  | (Q)              |
| 1        | 301 - Residential Service            |                |                  |                |                  |                  |                      |                      |                  |
| 2        | Bills - Winter                       | \$17.45        | \$15,351,201     |                |                  |                  |                      |                      |                  |
| 3        | Bills - Summer                       | \$13.45        | \$16,471,865     |                |                  |                  |                      |                      |                  |
| 4        | DTs - Winter                         | \$2.9009       | \$29,178,084     | \$0.7577       | \$7,621,164      | \$1.9717         | \$19,831,924         | (\$0.4211)           | (\$4,235,544)    |
| 5        | DTs - Summer                         | \$2.4009       | \$7,019,342      | \$0.7577       | \$2,215,234      | \$1.9717         | \$5,764,520          | (\$0.4211)           | (\$1,231,140)    |
| 6        | Integrity Management Rider Revenues  | •              | \$21,384,181     | •••            | . , . , .        | •                | , , , , , ,          | ,                    | (, , , , , ,     |
| 7        | 301 / 343 - Residential Service      |                |                  |                |                  |                  |                      |                      |                  |
| 8        | Motor Vehicle Fuel                   |                |                  |                |                  |                  |                      |                      |                  |
| 9        | Bills - Winter                       | \$17.45        | \$0              |                |                  |                  |                      |                      |                  |
| 10       | Bills - Summer                       | \$13.45        | \$0              |                |                  |                  |                      |                      |                  |
| 11       | DTs - Winter                         | \$2.9009       | \$0<br>\$0       | \$0.7577       | \$0              | \$1.9717         | \$0                  | (\$0.4211)           | \$0              |
| 12       |                                      | \$2.4009       | \$0<br>\$0       | \$0.7577       | \$0              |                  | \$0<br>\$0           |                      | \$0<br>\$0       |
| 12       | DTs - Summer                         | \$2.4009       | \$0              | \$0.7577       | \$0              | \$1.9717         | \$0                  | (\$0.4211)           | \$0              |
| 13       | TOTAL RESIDENTIAL SERVICE            |                |                  |                |                  |                  |                      |                      |                  |
| 14       | Bills - Annual                       |                |                  |                |                  |                  |                      |                      |                  |
| 15       | DTs - Winter                         |                |                  |                |                  |                  |                      |                      |                  |
| 16       | DTs - Summer                         |                |                  |                |                  |                  |                      |                      |                  |
| 17       | DTs - Annual                         |                |                  |                |                  |                  |                      |                      |                  |
| 18       | Revenues                             |                | \$89,404,673     |                | \$9,836,398      |                  | \$25,596,444         |                      | (\$5,466,685)    |
| 19       | 302 - Small General Service          |                |                  |                |                  |                  |                      |                      |                  |
| 20       | Bills - Annual                       | \$44.00        | \$9,363,420      |                |                  |                  |                      |                      |                  |
| 21       | DTs - Winter                         | \$3.2787       | \$13,382,437     | \$0.7577       | \$3,092,650      | \$1.9717         | \$8,047,748          | (\$0.3678)           | (\$1,501,223)    |
| 22       | DTs - Summer                         | \$2.7387       | \$5,172,639      | \$0.7577       | \$1,431,084      | \$1.9717         | \$3,723,991          | (\$0.3678)           | (\$694,671)      |
| 23       | Integrity Management Rider Revenues  |                | \$8,970,428      |                |                  |                  |                      | ,                    | ( , ,            |
| 24       | 302 / 343 - Small General Service    |                |                  |                |                  |                  |                      |                      |                  |
| 25       | Motor Vehicle Fuel                   |                |                  |                |                  |                  |                      |                      |                  |
| 26       | Bills - Annual                       | \$44.00        | _                |                |                  |                  |                      |                      |                  |
| 27       | DTs - Winter                         | \$3.2787       | _                | \$0.7577       | _                | \$1.9717         | _                    | (\$0.3678)           | \$0              |
| 28       | DTs - Summer                         | \$2.7387       | -                | \$0.7577       | -                | \$1.9717         | _                    | (\$0.3678)           | \$0<br>\$0       |
| 20       | 2.0 34                               | Ψ2σσ.          |                  | ψοσ            |                  | <b>\$1.07.11</b> |                      | (\$0.00.0)           | 40               |
| 29       | 352 - Medium General Service         |                |                  |                |                  |                  |                      |                      |                  |
| 30       | Bills - Annual                       | \$225.00       | \$1,531,800      |                |                  |                  |                      |                      |                  |
| 31       | DTs - Winter                         | \$3.2787       | \$5,104,189      | \$0.7577       | \$1,179,566      | \$1.9717         | \$3,069,488          | (\$0.3678)           | (\$572,581)      |
| 32       | DTs - Summer                         | \$2.7387       | \$1,853,343      | \$0.7577       | \$512,754        | \$1.9717         | \$1,334,296          | (\$0.3678)           | (\$248,899)      |
| 33       | Integrity Management Rider Revenues  |                | \$2,215,717      |                |                  |                  |                      |                      |                  |
| 34       | 352 / 343 - Medium General Service   |                |                  |                |                  |                  |                      |                      |                  |
| 35       | Motor Vehicle Fuel                   |                |                  |                |                  |                  |                      |                      |                  |
| 36       | Bills - Annual                       | \$225.00       | \$2,700          |                |                  |                  |                      |                      |                  |
| 37       | DTs - Winter                         | \$3.2787       | \$880            | \$0.7577       | \$203            | \$1.9717         | \$529                | (\$0.3678)           | (\$99)           |
| 38       | DTs - Summer                         | \$2.7387       | \$6,122          | \$0.7577       | \$1,694          | \$1.9717         | \$4,408              | (\$0.3678)           | (\$822)          |
| 39       | TOTAL SMALL & MEDIUM GENERAL SERVICE |                |                  |                |                  |                  |                      |                      |                  |
| 40       | Bills - Annual                       |                |                  |                |                  |                  |                      |                      |                  |
| 41       | DTs - Winter                         |                |                  |                |                  |                  |                      |                      |                  |
| 42       | DTs - Winter  DTs - Summer           |                |                  |                |                  |                  |                      |                      |                  |
| 43       | DTs - Annual                         |                |                  |                |                  |                  |                      |                      |                  |
| 43<br>44 | Revenues                             |                | \$47,603,676     |                | \$6,217,951      |                  | \$16,180,459         |                      | (\$3,018,295)    |
| 44       | 1/cvclinc9                           |                | \$41,003,676     |                | φο,∠ 11,951      |                  | φ 10, 10U,459        |                      | (\$3,010,293)    |

Attrition Period

Current

|      |   | 0              | Association Donied | 0              | Association Donied | 0              | Attaiti Dil      | Current            | Attrition Period |
|------|---|----------------|--------------------|----------------|--------------------|----------------|------------------|--------------------|------------------|
|      |   | Current        | Attrition Period   | Current        | Attrition Period   | Current        | Attrition Period | Unprotected Excess |                  |
| 13   |   | Base Margin    | Base Margin        | COG Demand     | COG Demand         | COG Commodity  | COG Commodity    | ADIT Refund        | ADIT Refund      |
| Line | Data Cahadula                                   | Rate Component | Revenues           | Rate Component | Revenues           | Rate Component | Revenues         | Rate Component     | Revenues         |
| No.  | Rate Schedule                                   | (J)            | (K)                | (L)            | (M)                | (N)            | (O)              | (P)                | (Q)              |
| 45   | 303 - Large General Sales Service               |                |                    |                |                    |                |                  |                    |                  |
| 46   | Bills - Annual                                  | \$800.00       | \$485,600          |                |                    |                |                  |                    |                  |
| 47   | DTs - Demand                                    | \$8.0000       | \$641,905          | 8.28290        | \$664,604          |                |                  |                    |                  |
| 48   | DTs - First 1,500                               | \$0.9195       | \$512,823          |                |                    | \$1.9717       | \$1,099,655      | (\$0.0685)         | (\$38,204)       |
| 49   | DTs - Next 2,500                                | \$0.8466       | \$184,326          |                |                    | \$1.9717       | \$429,288        | (\$0.0685)         | (\$14,914)       |
| 50   | DTs - Next 5,000                                | \$0.5963       | \$5,226            |                |                    | \$1.9717       | \$17,279         | (\$0.0685)         | (\$600)          |
| 51   | DTs - Over 9,000                                | \$0.2277       | \$0                |                |                    | \$1.9717       | \$0              | (\$0.0685)         | \$0              |
| 52   | Integrity Management Rider Revenues             | ***==:         | \$478,997          |                |                    | *              | *-               | (+/                | **               |
| 53   | Minimum Margin Agreement Revenues               |                | \$13,505           |                |                    |                |                  |                    |                  |
| 54   | 303 / 343 - Large General Sales Service         |                |                    |                |                    |                |                  |                    |                  |
| 55   | Motor Vehicle Fuel                              |                |                    |                |                    |                |                  |                    |                  |
| 56   | Bills - Annual                                  | \$800.00       | \$9,600            |                |                    |                |                  |                    |                  |
| 57   | DTs - Demand                                    | \$8.0000       | \$5,760            | 8.28290        | \$5,964            |                |                  |                    |                  |
| 58   | DTs - First 1,500                               | \$0.9195       | \$11,904           | 0.20200        | ψ0,004             | \$1.9717       | \$25,526         | (\$0.0685)         | (\$887)          |
| 59   | DTs - Next 2,500                                | \$0.8466       | \$0                |                |                    | \$1.9717       | \$0              | (\$0.0685)         | \$0              |
| 60   | DTs - Next 5,000                                | \$0.5963       | \$0                |                |                    | \$1.9717       | \$0              | (\$0.0685)         | \$0              |
| 61   | DTs - Over 9,000                                | \$0.2277       | \$0                |                |                    | \$1.9717       | \$0<br>\$0       | (\$0.0685)         | \$0<br>\$0       |
|      |   |                |                    |                |                    |                |                  | ,                  |                  |
| 62   | 304 - Interruptible General Sales Service       |                |                    |                |                    |                |                  |                    |                  |
| 63   | Bills - Annual                                  | \$800.00       | \$19,200           |                |                    |                |                  | /                  |                  |
| 64   | DTs - First 1,500                               | \$0.9195       | \$16,560           |                |                    | \$1.9717       | \$35,509         | (\$0.0685)         | (\$1,234)        |
| 65   | DTs - Next 2,500                                | \$0.8466       | \$6,251            |                |                    | \$1.9717       | \$14,559         | (\$0.0685)         | (\$506)          |
| 66   | DTs - Next 5,000                                | \$0.5963       | \$0                |                |                    | \$1.9717       | \$0              | (\$0.0685)         | \$0              |
| 67   | DTs - Over 9,000                                | \$0.2277       | \$0                |                |                    | \$1.9717       | \$0              | (\$0.0685)         | \$0              |
| 68   | Integrity Management Rider Revenues             |                | \$4,661            |                |                    |                |                  |                    |                  |
| 69   | 304 / 343 - Interruptible General Sales Service |                |                    |                |                    |                |                  |                    |                  |
| 70   | Motor Vehicle Fuel                              |                |                    |                |                    |                |                  |                    |                  |
| 71   | Bills - Annual                                  | \$800.00       | \$0                |                |                    |                |                  |                    |                  |
| 72   | DTs - First 1,500                               | \$0.9195       | \$0                |                |                    | \$1.9717       | \$0              | (\$0.0685)         | \$0              |
| 73   | DTs - Next 2,500                                | \$0.8466       | \$0                |                |                    | \$1.9717       | \$0              | (\$0.0685)         | \$0              |
| 74   | DTs - Next 5,000                                | \$0.5963       | \$0                |                |                    | \$1.9717       | \$0              | (\$0.0685)         | \$0              |
| 75   | DTs - Over 9,000                                | \$0.2277       | \$0                |                |                    | \$1.9717       | \$0              | (\$0.0685)         | \$0              |
| 76   | 313 - Firm Transportation Service               |                |                    |                |                    |                |                  |                    |                  |
| 77   | Bills - Annual                                  | \$800.00       | \$713,600          |                |                    |                |                  |                    |                  |
| 78   | DTs - Demand                                    | \$8.0000       | \$1,204,378        | 8.28290        | \$1,246,968        |                |                  |                    |                  |
| 79   | DTs - First 1,500                               | \$0.9195       | \$938,892          |                |                    | -              | \$0              | (\$0.0685)         | (\$69,945)       |
| 80   | DTs - Next 2,500                                | \$0.8466       | \$510,552          |                |                    | -              | \$0              | (\$0.0685)         | (\$41,310)       |
| 81   | DTs - Next 5,000                                | \$0.5963       | \$146,121          |                |                    | -              | \$0              | (\$0.0685)         | (\$16,786)       |
| 82   | DTs - Over 9,000                                | \$0.2277       | \$6,140            |                |                    | -              | \$0              | (\$0.0685)         | (\$1,847)        |
| 83   | Integrity Management Rider Revenues             |                | \$1,284,614        |                |                    |                |                  |                    |                  |
| 84   | Minimum Margin Agreement Revenues               |                | \$238,800          |                |                    |                |                  |                    |                  |
| 85   | 313 / 343 - Firm Transportation Service         |                |                    |                |                    |                |                  |                    |                  |
| 86   | Motor Vehicle Fuel                              |                |                    |                |                    |                |                  |                    |                  |
| 87   | Bills - Annual                                  | \$800.00       | \$28,800           |                |                    |                |                  |                    |                  |
| 88   | DTs - Demand                                    | \$8.0000       | \$77,872           | 8.28290        | \$80,626           |                |                  |                    |                  |
| 89   | DTs - First 1,500                               | \$0.9195       | \$49,653           |                |                    | -              | \$0              | (\$0.0685)         | (\$3,699)        |
| 90   | DTs - Next 2,500                                | \$0.8466       | \$34,033           |                |                    | -              | \$0              | (\$0.0685)         | (\$2,754)        |
| 91   | DTs - Next 5,000                                | \$0.5963       | \$35,778           |                |                    | -              | \$0              | (\$0.0685)         | (\$4,110)        |
| 92   | DTs - Over 9,000                                | \$0.2277       | \$12,018           |                |                    | -              | \$0              | (\$0.0685)         | (\$3,615)        |
|      |   |                |                    |                |                    |                |                  |                    |                  |

Attrition Period

Current

| Line<br>No. | Rate Schedule   | Current<br>Base Margin<br>Rate Component<br>(J) | Attrition Period<br>Base Margin<br>Revenues<br>(K) | Current<br>COG Demand<br>Rate Component<br>(L) | Attrition Period<br>COG Demand<br>Revenues<br>(M) | Current<br>COG Commodity<br>Rate Component<br>(N) | Attrition Period<br>COG Commodity<br>Revenues<br>(O) | Unprotected Excess I<br>ADIT Refund<br>Rate Component<br>(P) | Jnprotected Excess ADIT Refund Revenues (Q) |
|-------------|---|---|--|--|---|---|--|--|---|
| 03          | 214 Intersuntible Transportation Consider                 |   |  |  |   |   |  |  |   |
| 93<br>94    | 314 - Interruptible Transportation Service Bills - Annual | \$800.00  | \$470,400  |  |   |   |  |  |   |
| 94<br>95    | DTs - First 1,500   | \$0.9195  | \$761,349  |  |   | _   | \$0  | (\$0.0685)   | (\$56,718)                                  |
| 96          | DTs - Next 2,500  | \$0.8466  | \$925,330  |  |   |   | \$0  | (\$0.0685)   | (\$74,870)                                  |
| 97          | DTs - Next 5,000  | \$0.5963  | \$704,945  |  |   | _   | \$0  | (\$0.0685)   | (\$80,981)                                  |
| 98          | DTs - Over 9,000  | \$0.2277  | \$1,444,580  |  |   | -   | \$0  | (\$0.0685)   | (\$434,579)                                 |
| 99          | Integrity Management Rider Revenues                       |   | \$1,504,393  |  |   |   |  | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                      | (, , , , ,                                  |
| 100         | 314 / 343 - Interruptible Transportation Service          |   |  |  |   |   |  |  |   |
| 101         | Motor Vehicle Fuel  |   |  |  |   |   |  |  |   |
| 102         | Bills - Annual  | \$800.00  | \$0  |  |   |   |  |  |   |
| 103         | DTs - First 1,500   | \$0.9195  | \$0  |  |   | -   | \$0  | (\$0.0685)   | \$0   |
| 104         | DTs - Next 2,500  | \$0.8466  | \$0  |  |   | -   | \$0  | (\$0.0685)   | \$0   |
| 105         | DTs - Next 5,000  | \$0.5963  | \$0  |  |   | -   | \$0  | (\$0.0685)   | \$0   |
| 106         | DTs - Over 9,000  | \$0.2277  | \$0  |  |   | -   | \$0  | (\$0.0685)   | \$0   |
| 107         | 310 - Resale Service                                      |   |  |  |   |   |  |  |   |
| 108         | Bills - Annual  |   |  |  |   |   |  |  |   |
| 109         | DTs - Demand  | 8.0000  | \$14,400   | 8.2829   | \$14,909  |   |  |  |   |
| 110         | DTs - Annual  | 0.7518  | \$2,334  |  |   | 1.97170   | \$6,122  | (\$0.2086)   | (\$648)                                     |
| 111         | Integrity Management Rider Revenues                       |   | \$ 10,039  |  |   |   |  |  |   |
| 112         | 310 / 343- Resale Service                                 |   |  |  |   |   |  |  |   |
| 113         | Motor Vehicle Fuel  |   |  |  |   |   |  |  |   |
| 114         | Bills - Annual  |   |  |  |   |   |  |  |   |
| 115         | DTs - Demand  | 8.0000  | \$0  | 8.2829   | \$0   |   |  |  |   |
| 116         | DTs - Annual  | 0.7518  | \$0  |  |   | 1.97170   | \$0  | (\$0.2086)   | \$0   |
| 117         | TOTAL TARIFF LARGE VOLUME                                 |   |  |  |   |   |  |  |   |
| 118         | Bills - Annual  |   |  |  |   |   |  |  |   |
| 119         | DTs - Demand  |   |  |  |   |   |  |  |   |
| 120         | DTs - Annual  |   |  |  |   |   |  |  |   |
| 121         | Revenues  |   | \$13,515,339                                       |  | \$2,013,071                                       |   | \$1,627,938  |  | (\$848,206)                                 |
| 122         | Special Contracts   |   |  |  |   |   |  |  |   |
| 123         | Bills - Annual  |   | 4050 :   |  | _   |   | _  |  |   |
| 124         | DTs - Annual  |   | \$259,159  |  | 0   |   | 0  |  |   |
| 125         | GRAND TOTAL - ALL TARIFF & SPECIAL CONTRACT               |   |  |  |   |   |  |  |   |
| 126         | Bills - Annual  |   |  |  |   |   |  |  |   |
| 127<br>128  | DTs - Demand<br>DTs - Annual                              |   |  |  |   |   |  |  |   |
| 120         | Revenues  |   | \$150,782,847                                      |  | \$18,067,420                                      |   | \$43,404,841   |  | (\$9,333,186)                               |
| 129         | Nevelues  |   | \$130,702,047                                      |  | \$10,007,420                                      |   | \$45,404,041   |  | (\$3,333,100)                               |
| 130         | SALES AND TRANSPORTATION                                  |   |  |  |   |   |  |  |   |
| 131         | Total Sales   | ſ   | 139,431,439  | ſ  | 16,739,826  | ]   | 43,404,841   | Г  | (8,541,972)                                 |
| 132         | Total Transportation                                      |   | 11,351,408   |  | 1,327,594   |   | · · · · ·  |  | (791,214)                                   |
| 133         | Total Annual  | Į   | \$150,782,847                                      | <u> </u>                                       | \$18,067,420                                      |   | \$43,404,841   | j L  | (\$9,333,186)                               |

| Billing Cycle HDD 30 Yea   | ar Avorago  |
|--|---|
| April  | 306.1   |
| May  | 99.2  |
| June   | 13.8  |
| July   | 13.6  |
| August   | 0.1   |
| September  | 1.3   |
| October  | 60.4  |
| November   | 322.5   |
| December   | 570.2   |
| January  | 749.2   |
| February   | 779.5   |
| March  | 521.2   |
| IVIAI CII  | 321.2   |
| Winter   | 2,942.6   |
| Summer   | 480.9   |
|  |   |
| Total  | 3,423.5   |
|  |   |
|  | -   |
| Calendar Month HDD 3   | -<br>O year Averag  |
| Calendar Month HDD 3   | -<br>O year Averag<br>182.1   |
|  |   |
| April  | 182.1   |
| April<br>May   | 182.1<br>45.0   |
| April<br>May<br>June   | 182.1<br>45.0   |
| April<br>May<br>June<br>July   | 182.1<br>45.0<br>1.2  |
| April<br>May<br>June<br>July<br>August   | 182.1<br>45.0<br>1.2<br>-<br>0.1  |
| April<br>May<br>June<br>July<br>August<br>September  | 182.1<br>45.0<br>1.2<br>-<br>0.1<br>14.8  |
| April<br>May<br>June<br>July<br>August<br>September<br>October                               | 182.1<br>45.0<br>1.2<br>-<br>0.1<br>14.8<br>167.9   |
| April May June July August September October November  | 182.1<br>45.0<br>1.2<br>-<br>0.1<br>14.8<br>167.9<br>451.2  |
| April May June July August September October November December                               | 182.1<br>45.0<br>1.2<br>-<br>0.1<br>14.8<br>167.9<br>451.2<br>695.0                                       |
| April May June July August September October November December January                       | 182.1<br>45.0<br>1.2<br>-<br>0.1<br>14.8<br>167.9<br>451.2<br>695.0<br>795.6                              |
| April May June July August September October November December January February              | 182.1<br>45.0<br>1.2<br>-<br>0.1<br>14.8<br>167.9<br>451.2<br>695.0<br>795.6<br>628.5<br>442.1            |
| April May June July August September October November December January February March        | 182.1<br>45.0<br>1.2<br>-<br>0.1<br>14.8<br>167.9<br>451.2<br>695.0<br>795.6<br>628.5                     |
| April May June July August September October November December January February March Winter | 182.1<br>45.0<br>1.2<br>-<br>0.1<br>14.8<br>167.9<br>451.2<br>695.0<br>795.6<br>628.5<br>442.1<br>3,012.4 |

Piedmont Natural Gas Company, Inc. COS DR#11 Losses Tenneessee Operations

Request: A calculation of the average TN losses for the last 3 years is requested. The calculation should be based on fiscal periods ending in the summer months such as August where sendout is flat due to the absence of heating load.

| Data from Cost of Gas Actuals         | Purchases  | Sales      | Non-Utility CNG<br>Sales | Company<br>Usage | LAUF<br>Experienced | Unbilled<br>Adjustment | OSS       | LAUF %  | Effective                    |
|---------------------------------------|------------|------------|--------------------------|------------------|---------------------|------------------------|-----------|---------|------------------------------|
|                                       |            |            |                          |                  |                     |                        |           |         |                              |
| September 2016 - August 2017 3 Yr Avg | 62,906,754 | 61,905,702 | 108,515                  | 65,721           | 651,540             | 175,276                | 7,402,864 | 1.1739% | September 2017 - August 2018 |
| September 2017 - August 2018 3 Yr Avg | 62,869,774 | 61,751,283 | 123,838                  | 69,161           | 755,733             | 169,759                | 7,876,563 | 1.3742% | September 2018 - August 2019 |
| September 2018 - August 2019 3 Yr Avg | 66,568,443 | 65,085,211 | 122,809                  | 73,655           | 751,759             | 535,009                | 7,746,273 | 1.2780% | September 2019 - August 2020 |
| Three Year Average                    |            |            |                          |                  |                     |                        |           | 1.2754% |                              |

Piedmont calculates LAUF based on known purchases, sales and Company use to determine the estimated line loss. Due to fluctuations in the timing of purchases and sales throughout the year, we only calculate the line loss percentage on an annual basis (currently using a three year average of gas purchases, sales and company use data).

Piedmont Natural Gas Company, Inc. Tennessee Service Replacement Costs

| Tariff | Rate Class                   | Avg Service<br>Length in ft | Service Cost \$ / ft | Avg Cost per Service | Attrition Adjusted<br>Active Services | Total Service Cost |
|--------|------------------------------|-----------------------------|----------------------|----------------------|---------------------------------------|--------------------|
| RS 301 | Residential Service          | 92                          | \$16.48              | \$1,518.85           | 168,395                               | \$255,767,191      |
| RS 302 | Small General Service        | 146                         | \$16.48              | \$2,412.08           | 16,975                                | \$40,945,578       |
| RS 352 | Medium General Service       | 240                         | \$17.08              | \$4,097.50           | 567                                   | \$2,324,647        |
| RS 303 | Firm General Sales           | 281                         | \$17.74              | \$4,984.41           | 51                                    | \$252,128          |
| RS 304 | Interruptible General Sales  | 330                         | \$17.74              | \$5,862.35           | 2                                     | \$11,725           |
| RS 313 | Firm Transportation          | 246                         | \$23.01              | \$5,664.11           | 74                                    | \$421,032          |
| RS 314 | Interruptible Transportation | 292                         | \$23.01              | \$6,718.02           | 49                                    | \$329,183          |
| RS 310 | Resale Service               | 76                          | \$25.42              | \$1,941.41           | 2                                     | \$3,883            |
|        | Total                        |                             |                      |                      | 186,116                               | \$300,055,366      |

#### Piedmont Natural Gas Company, Inc. Tennessee Meter Costs

| Meter Code | Unit Cost |       | Unit Cost  | 301     | <u>302</u> | <u>352</u> | 303 | <u>304</u> | <u>313</u> | <u>314</u> | <u>310</u> | 373 | Total Meters |  |  |  |  |
|------------|-----------|-------|------------|---------|------------|------------|-----|------------|------------|------------|------------|-----|--------------|--|--|--|--|
| 114        | \$ 1      | 9 \$  | 66         | 58,831  | 2,873      | -          | -   | -          | -          | -          | -          | -   | 61,704       |  |  |  |  |
| 115        | \$ 1      | 9 \$  | 66         | 2,011   | 112        | -          | -   | -          | -          | -          | -          | -   | 2,123        |  |  |  |  |
| 122        |           | 9 \$  | 66         | 3,963   | 189        | -          | -   | -          | -          | -          | -          | -   | 4,152        |  |  |  |  |
| 124        | \$ 1      | 9 \$  | 66         | 88,134  | 5,368      | -          | -   | -          | -          | -          | -          | -   | 93,502       |  |  |  |  |
| 128        |           | 9 \$  | 66         | 4,845   | 326        | -          | -   | -          | -          | -          | -          | -   | 5,171        |  |  |  |  |
| 136        |           | 9 \$  | 66         | 1,875   | 81         | -          | -   | -          | 1          | -          | -          | -   | 1,957        |  |  |  |  |
| 325        |           | 2 \$  | 96         | 6,699   | 1,963      | 4          | -   | -          | -          | -          | -          | -   | 8,666        |  |  |  |  |
| 326        | \$ 2      | 8 \$  | 96         | 8,874   | 1,874      | 1          | -   | -          | -          | -          | -          | -   | 10,749       |  |  |  |  |
| 327        |           | 55 \$ | 96         | 189     | 737        | 4          | -   | -          | -          | -          | -          | -   | 930          |  |  |  |  |
| 333        |           | 8 \$  | 96         | 213     | 212        | -          | -   | -          | -          | -          | -          | _   | 425          |  |  |  |  |
| 334        |           | 55 \$ | 96         | 48      | 136        | -          | -   | -          | -          | -          | -          | _   | 184          |  |  |  |  |
| 342        |           | 8 \$  | 480        | 1,836   | 230        | -          | -   | -          | -          | -          | -          | _   | 2,066        |  |  |  |  |
| 343        |           | 55 \$ | 480        | 1,048   | 4,239      | 131        | -   | -          | -          | -          | -          | -   | 5,418        |  |  |  |  |
| 350        | -         | 55 \$ | 480        | 125     | 418        | 17         | -   | -          | -          | -          | _          |     | 560          |  |  |  |  |
| 412        | \$ 1,4    |       | 960        | -       | 2          | -          | -   | -          | -          | -          | -          | -   | 2            |  |  |  |  |
| 413        |           | 80 \$ | 960        | -       | 1          | 2          | -   | -          | -          | -          | _          | -   | 3            |  |  |  |  |
| 414        | \$ 2,2    |       | 960        | -       | 2          | 2          | -   | -          | -          | -          | -          | -   | 4            |  |  |  |  |
| 425        | \$ 1,4    |       | 960        | -       | 1          | -          | -   | -          | -          | -          | -          | -   | 1            |  |  |  |  |
| 471        |           | 6 \$  | 960        | -       | 111        | 30         | -   |            | -          | -          | -          | -   | 141          |  |  |  |  |
| 472        | \$ 1,4    | _     | 960        | -       | 155        | 106        | 1   | -          | 1          | -          | -          | -   | 263          |  |  |  |  |
| 472        | \$ 1,4    |       | 960        |         | 36         | 29         | -   | -          | -          | 1          | -          | -   | 67           |  |  |  |  |
| 473        |           | 9 \$  | 960        | - 1     | 23         | 16         | -   | -          | -          | -          | -          |     | 39           |  |  |  |  |
| 474        |           |       |            |         | 1          | 10         | -   | -          | -          | -          | -          | -   | 2            |  |  |  |  |
|            | \$ 2,8    |       | 960<br>960 | -       | 9          |            | -   | -          | -          | -          | -          |     | 12           |  |  |  |  |
| 482        | \$ 1,2    |       |            |         |            | 3          |     |            |            |            |            |     |              |  |  |  |  |
| 483        |           | 2 \$  | 960        | -       | 6          | 1          | -   | -          | -          | -          | -          | -   | 7            |  |  |  |  |
| 484        |           | 0 \$  | 960        | -       | -          | 1          | -   | -          | -          | -          | -          | -   | 1            |  |  |  |  |
| 801        | \$ 4,4    |       | 2,400      | -       | 32         | 38         | 17  | -          | 26         | 5          | 1          | -   | 119          |  |  |  |  |
| 802        |           | 4 \$  | 2,400      | -       | 20         | 43         | 15  | -          | 23         | 16         | 1          | 1   | 119          |  |  |  |  |
| 803        |           | 4 \$  | 2,400      | -       | 2          | 2          | 2   | -          | 3          | 4          | -          | -   | 13           |  |  |  |  |
| 805        | \$ 4,4    |       | 2,400      | -       | 11         | 11         | 9   | 1          | 7          | 4          | -          | -   | 43           |  |  |  |  |
| 806        |           | 4 \$  | 2,400      | -       | 3          | 10         | 9   | 1          | 16         | 14         | 1          | 1   | 55           |  |  |  |  |
| 807        |           | 4 \$  | 2,400      | -       | -          | 2          | 1   | -          | 2          | 7          | -          | -   | 12           |  |  |  |  |
| 808        |           | 4 \$  | 2,400      | -       | -          | -          | -   | -          | -          | 2          | -          | -   | 2            |  |  |  |  |
| 809        | \$ 3,5    |       | 2,400      | -       | 1          | -          | -   | -          | 1          | -          | -          | -   | 2            |  |  |  |  |
| 820        | \$ 3,5    |       | 2,400      | -       | 2          | 2          | -   | -          | -          | -          | -          | -   | 4            |  |  |  |  |
| 821        |           | 31 \$ | 2,400      | -       | -          | 2          | -   | -          | -          | -          | -          | -   | 2            |  |  |  |  |
| 860        | \$ 3,5    |       | 2,400      | -       | 1          | -          | -   | -          | -          | -          | -          | -   | 1            |  |  |  |  |
| 864        | \$ 3,5    | 31 \$ | 2,400      | -       | 1          | -          | -   | -          | -          | -          | -          | -   | 1            |  |  |  |  |
| 874        |           | 31 \$ | 2,400      | -       | -          | -          | -   | -          | -          | 3          | -          | -   | 3            |  |  |  |  |
| 881        |           | 31 \$ | 2,400      | -       | 44         | 54         | -   | -          | -          | -          | -          | -   | 98           |  |  |  |  |
| 882        | \$ 3,5    | 31 \$ | 2,400      | -       | 2          | 1          | -   | -          | -          | -          | -          | -   | 3            |  |  |  |  |
| 883        | \$ 3,5    | 31 \$ | 2,400      | -       | 7          | 9          | -   | -          | -          | -          | -          | -   | 16           |  |  |  |  |
| 884        | \$ 3,5    | 31 \$ | 2,400      | -       | 2          | -          | -   | -          | -          | -          | -          | -   | 2            |  |  |  |  |
| 889        | \$ 3,5    | 31 \$ | 2,400      | -       | 3          | 10         | -   | -          | -          | -          | -          | -   | 13           |  |  |  |  |
| 990        | \$ 3,5    | 31 \$ | 2,400      | -       | 1          | -          | -   | -          | -          | -          | -          | -   | 1            |  |  |  |  |
| 991        |           | 31 \$ | 2,400      | -       | 40         | 41         | -   | -          | -          | -          | -          | -   | 81           |  |  |  |  |
| 992        |           | 31 \$ | 2,400      | -       | -          | 3          | -   | -          | -          | -          | -          | -   | 3            |  |  |  |  |
| 998        | \$ 3,5    |       | 2,400      | -       | 1          | -          | -   | -          | -          | -          | -          | -   | 1            |  |  |  |  |
| Total      | - 7       | Ť     |            | 178,692 | 19,278     | 576        | 54  | 2          | 80         | 56         | 3          | 2   | 198,743      |  |  |  |  |
|            |           |       |            |         |            |            |     |            |            |            |            |     |              |  |  |  |  |
|            | ters      | _     |            | 0       | 173        | 228        | 53  | 2          | 78         | 55         | 3          | 2   | 594          |  |  |  |  |

|                 | TOTAL METER COST BY RATE SCHEDULE |     |   |    |                   |         |                   |         |             |    |                   |          |                   |    |            |    |            |          |                    |
|-----------------|-----------------------------------|-----|---|----|-------------------|---------|-------------------|---------|-------------|----|-------------------|----------|-------------------|----|------------|----|------------|----------|--------------------|
|                 | <u>301</u>                        |     | 302                                     |    | <u>352</u>        |         | <u>303</u>        |         | <u>304</u>  |    | <u>313</u>        |          | <u>314</u>        |    | <u>310</u> |    | <u>373</u> | I        | otal Cost          |
|                 | \$ 12,058,590                     | \$  | 588,879                                 | \$ | -                 | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$ :     | 12,647,469         |
|                 | \$ 412,195                        | \$  | 22,957                                  | \$ | -                 | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 435,151            |
|                 | \$ 812,296                        | \$  | 38,739                                  | \$ | -                 | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 851,035            |
|                 | \$ 18,064,826                     | \$  | 1,100,279                               | \$ | -                 | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$ :     | 19,165,105         |
|                 | \$ 993,080                        | \$  | 66,820                                  | \$ | -                 | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 1,059,900          |
|                 | \$ 384,319                        | \$  | 16,603                                  | \$ | -                 | \$      | -                 | \$      | -           | \$ | 205               | \$       | -                 | \$ | -          | \$ | -          | \$       | 401,126            |
|                 | \$ 4,076,208                      | \$  | 1,194,446                               | \$ | 2,434             | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 5,273,088          |
|                 | \$ 2,697,164                      | \$  | 569,584                                 | \$ | 304               | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 3,267,051          |
|                 | \$ 162,678                        | \$  | 634,358                                 | \$ | 3,443             | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 800,479            |
|                 | \$ 64,739<br>\$ 41,315            | \$  | 64,435<br>117,059                       | \$ |                   | \$      |                   | \$      |             | \$ |                   | \$       |                   | \$ | -          | \$ |            | \$       | 129,175<br>158,374 |
|                 | \$ 1,263,058                      | \$  | 158,226                                 | \$ | -                 | \$      | -                 | \$      | -           | \$ |                   | \$       | -                 | \$ | -          | \$ | -          | \$       | 1,421,284          |
|                 | \$ 1,304,477                      | \$  | 5,276,410                               | \$ | 163,060           | \$      |                   | \$      |             | \$ |                   | \$       |                   | \$ |            | \$ | -          | \$       | 6,743,947          |
|                 | \$ 155,591                        | \$  | 520,297                                 | \$ | 21,160            | \$      |                   | \$      | -           | \$ | -                 | \$       | -                 | \$ |            | \$ | -          | \$       | 697,049            |
|                 | \$ -                              | \$  | 4,844                                   | \$ | -                 | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 4,844              |
|                 | \$ -                              | \$  | 2,890                                   | \$ | 5,780             | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 8,670              |
|                 | \$ -                              | \$  | 6,398                                   | \$ | 6,398             | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 12,796             |
|                 | \$ -                              | \$  | 2,422                                   | \$ | -                 | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 2,422              |
|                 | \$ -                              | \$  | 242,646                                 | \$ | 65,580            | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 308,226            |
|                 | \$ -                              | \$  | 375,410                                 | \$ | 256,732           | \$      | 2,422             | \$      | -           | \$ | 2,422             | \$       | -                 | \$ | -          | \$ | -          | \$       | 636,986            |
|                 | \$ 2,890                          | \$  | 104,040                                 | \$ | 83,810            | \$      | -                 | \$      | -           | \$ | -                 | \$       | 2,890             | \$ | -          | \$ | -          | \$       | 193,630            |
|                 | \$ -                              | \$  | 73,577                                  | \$ | 51,184            | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 124,761            |
|                 | \$ -                              | \$  | 3,858                                   | \$ | 3,858             | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 7,716              |
|                 | \$ -                              | \$  | 19,674                                  | \$ | 6,558             | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 26,232             |
|                 | \$ -                              | \$  | 14,532                                  | \$ | 2,422             | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 16,954             |
|                 | \$ -                              | \$  | -                                       | \$ | 2,890             | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 2,890              |
|                 | \$ -                              | \$  | 219,973                                 | \$ | 261,218           | \$      | 116,861           | \$      | -           | \$ | 178,728           | \$       | 34,371            | \$ | 6,874      | \$ | -          | \$       | 818,025            |
|                 | \$ -<br>\$ -                      | \$  | 137,483<br>13,748                       | \$ | 295,589<br>13,748 | \$      | 103,112<br>13,748 | \$      | -           | \$ | 158,106<br>20,622 | \$<br>\$ | 109,987<br>27,497 | \$ | 6,874      | \$ | 6,874      | \$<br>\$ | 818,025<br>89,364  |
|                 | \$ -                              | \$  | 75,616                                  | \$ | 75,616            | \$      | 61,867            | \$      | 6,874       | \$ | 48,119            | \$       | 27,497            | \$ |            | \$ | -          | \$       | 295,589            |
|                 | \$ -                              | \$  | 20,622                                  | \$ | 68,742            | \$      | 61,867            | \$      | 6,874       | \$ | 109,987           | \$       | 96,238            | \$ | 6,874      | \$ | 6,874      | \$       | 378,079            |
|                 | \$ -                              | \$  | -                                       | \$ | 13,748            | \$      | 6,874             | \$      | -           | \$ | 13,748            | \$       | 48,119            | \$ | -          | \$ |            | \$       | 82,490             |
|                 | \$ -                              | \$  | -                                       | \$ | -                 | \$      | -                 | \$      | -           | \$ | -                 | \$       | 13,748            | \$ | -          | \$ | -          | \$       | 13,748             |
|                 | \$ -                              | \$  | 5,981                                   | \$ | -                 | \$      | -                 | \$      | -           | \$ | 5,981             | \$       | -                 | \$ | -          | \$ | -          | \$       | 11,962             |
|                 | \$ -                              | \$  | 11,962                                  | \$ | 11,962            | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 23,924             |
|                 | \$ -                              | \$  | -                                       | \$ | 11,962            | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 11,962             |
|                 | \$ -                              | \$  | 5,981                                   | \$ | -                 | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 5,981              |
|                 | \$ -                              | \$  | 5,981                                   | \$ | -                 | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 5,981              |
|                 | \$ -                              | \$  | -                                       | \$ | -                 | \$      | -                 | \$      | -           | \$ | -                 | \$       | 17,943            | \$ | -          | \$ | -          | \$       | 17,943             |
|                 | \$ -                              | \$  | 263,166                                 | \$ | 322,976           | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 586,142            |
|                 | \$ -                              | \$  | 11,962                                  | \$ | 5,981             | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 17,943             |
|                 | \$ -                              | \$  | 41,867                                  | \$ | 53,829            | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 95,697             |
|                 | \$ -                              | \$  | 11,962                                  | \$ | -                 | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 11,962             |
|                 | \$ -                              | \$  | 17,943                                  | \$ | 59,810            | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 77,754             |
|                 | \$ -<br>\$ -                      | \$  | 5,981                                   | \$ | 245 222           | \$<br>¢ | -                 | \$<br>¢ | -           | \$ | -                 | \$<br>¢  | -                 | \$ | -          | \$ | -          | \$<br>¢  | 5,981              |
|                 | \$ -<br>\$ -                      | \$  | 239,242                                 | \$ | 245,223<br>17,943 | \$      | -                 | \$      | -           | \$ | -                 | \$       | -                 | \$ | -          | \$ | -          | \$       | 484,465<br>17,943  |
|                 | \$ -                              | \$  | 5,981                                   | \$ | 17,545            | \$      |                   | \$      | -           | \$ | -                 | \$       |                   | \$ |            | \$ | -          | \$       | 5,981              |
|                 | \$ 42,493,425                     |     | 12,314,836                              | \$ | 2,133,961         | \$      | 366,752           | \$      | 13,748      | \$ | 537,918           | \$       | 378,289           | \$ | 20,622     | \$ | 13,748     | _        | 58,273,301         |
|                 | . , ,                             | Ė   | , | Ė  | ,,                | Ė       | ,                 | Ė       | -,          | Ė  | , ,               | Ė        |                   | Ė  | .,-        | _  | .,         |          |                    |
| Count           | 178,692                           |     | 19,278                                  |    | 576               |         | 54                |         | 2           |    | 80                |          | 56                |    | 3          |    | 2          |          | 198,743            |
| Average Cost    | \$ 237.80                         | \$  | 638.80                                  | \$ | 3,704.79          | \$      | 6,791.71          | \$      | 6,874.16    | \$ | 6,723.98          | \$       | 6,755.17          | \$ | 6,874.16   | \$ | 6,874.16   | \$       | 293.21             |
| A44 A d! F4-    |                                   |     |   |    | 1 02 47           |         | 1 0000            |         | 1 0000      |    | 1.0424            |          | 1 0000            |    | 1 0000     |    |            |          |                    |
| Attrition Count | 175 267                           |     | 17 77 4                                 |    | 1.0347            |         | 1.0000            |         | 1.0000<br>2 |    | 1.0131            |          | 1.0000            |    | 1.0000     |    |            |          | 102 002            |
| Attrition Count | 175,367                           |     | 17,734                                  |    | 596               |         | 54                |         | 2           |    | 81                |          | 56                |    | 3          |    |            |          | 193,892            |
| Meter Cost      | \$41,702,632                      | : ; | \$11,328,365                            |    | \$2,208,104       |         | \$366,752         |         | \$13,748    |    | \$544,965         |          | \$378,289         |    | \$20,622   |    |            | \$       | 56,563,479         |

Three Year Average

| Regulated<br>Tariff Rate<br>Code | Three Year Average<br>PGA Charge Off |            |    | hree Year Avertage<br>Base Charge Off | Attrition Period<br>Adjustment Factor | Т  | hree Year Average<br>PGA Charge Off | Three Year Avertage<br>Base Charge Off |            |  |  |  |
|----------------------------------|--------------------------------------|------------|----|---------------------------------------|---------------------------------------|----|-------------------------------------|--|------------|--|--|--|
| 301                              | \$                                   | 202,473.73 | \$ | 454,047.70                            | 1.0297                                | \$ | 208,484.86                          | \$                                     | 467,527.67 |  |  |  |
| 302                              | \$                                   | 42,725.85  | \$ | 95,835.83                             | 1.0109                                | \$ | 43,192.06                           | \$                                     | 96,881.56  |  |  |  |
| 352                              | \$                                   | 2,607.70   | \$ | 3,808.69                              | 1.0348                                | \$ | 2,698.46                            | \$                                     | 3,941.27   |  |  |  |
| 343                              | \$                                   | -          | \$ | -                                     |                                       | \$ | -                                   | \$                                     | -          |  |  |  |
| 303                              | \$                                   | -          | \$ | -                                     |                                       | \$ | -                                   | \$                                     | -          |  |  |  |
| 304                              | \$                                   | -          | \$ | -                                     |                                       | \$ | -                                   | \$                                     | -          |  |  |  |
| 313                              | \$                                   | -          | \$ | 11,125.30                             | 1.0000                                | \$ | -                                   | \$                                     | 11,125.30  |  |  |  |
| 314                              | \$                                   | -          | \$ | 1,398.80                              | 1.0000                                | \$ | -                                   | \$                                     | 1,398.80   |  |  |  |
| 310                              | \$                                   | -          | \$ | -                                     |                                       | \$ | -                                   | \$                                     | -          |  |  |  |
| n/a                              |                                      |            |    |                                       |                                       |    |                                     |  |            |  |  |  |
| n/a                              |                                      |            |    |                                       |                                       |    |                                     |  |            |  |  |  |
|                                  | \$                                   | 247,807.27 | \$ | 566,216.32                            |                                       | \$ | 254,375.38                          | \$                                     | 580,874.60 |  |  |  |
|                                  | \$                                   | 247,807.27 | \$ | 566,216.32                            |                                       |    |                                     |  |            |  |  |  |
|                                  |                                      |            | \$ | 814,023.60                            |                                       |    |                                     | \$                                     | 835,249.98 |  |  |  |

# **Automated Meter Reads**

| Meters Read per Day per meter reader | 3,900 |
|--------------------------------------|-------|
| Daily Hours                          | 8     |
| Daily Minutes                        | 480   |
| Minutes per Automated Meter Read     | 0.123 |

### **Daily Meter Reads**

| Daily Meter Checks Daily Hours         | 1.25  |
|--|-------|
| Average Hours per Month - 5 day week   | 27.1  |
| Average Minutes per Month - 5 day week | 1,625 |
| Average Number of Daily Read Meters    | 594   |
| Minutes per Daily Meter Read           | 2.736 |
| Ratio Time Daily/Automated             | 22.2  |

#### SEE BOTTOM RIGHT OF SPREADSHEET

| Accounting | Eigen Von    | Due Heit IF    | A cocupt IF        | Account LeAllocation   | Journal Ma       | Bassuras .     | Donouros .     | Journal ID               | Journal De                 | Sauras CD | Sauras CD    | Droinot ID  | Brassas ID CB      | Process Long Descr CB                                      | Monetary Amount JD  | Vandar ID / | ABI Invoice ID ID | /ougher ID TN 9/ | TN Amount          |
|------------|--------------|----------------|--------------------|------------------------|------------------|----------------|----------------|--------------------------|----------------------------|-----------|--------------|-------------|--------------------|--|---------------------|-------------|-------------------|------------------|--------------------|
| Accounting | 2019         | 47157          | 0903000            | Cust Records DUTICUSPN | Journal Wa       | 11000          | Labor          |                          | Reverse OU                 |           | Corp-Benefit | Project ID  | CUSTCOL            | Collection-Local Office-Nw                                 | (1.985.65)          | vendor ID A | API Invoice ID JL | 16.85%           | (334.58)           |
| 1          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  | 4           | BNKRUPT            | Processing Bankrupt Accounts                               | 980.80              |             | -                 | 16.85%           | 165.26             |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 19,941.97           |             | +                 | 16.85%           | 3,360.22           |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CAGENCY            | Collection Agency  | 79.10               | 1           |                   | 16.85%           | 13.33              |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 473.97              |             |                   | 16.85%           | 79.86              |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL1393               | LDS Labor D                | 133       | LDS Payroll  |             | CAGENCY            | Collection Agency  | 113.00              |             |                   | 16.85%           | 19.04              |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL1393               | LDS Labor D                | 133       | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 450.65              |             |                   | 16.85%           | 75.93              |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL1394               | LDS Labor D                | 133       | LDS Payroll  | ,           | BNKRUPT            | Processing Bankrupt Accounts                               | 931.76              |             |                   | 16.85%           | 157.00             |
| 7          | 2019         | 47157          | 0903300            | Cust Collecting        | PAYRLL           | 11000          | Labor          | PAYRLL1394               | LDS Labor D                | 133       | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 23,686.25           |             |                   | 16.85%           | 3,991.13           |
| 10         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL1502               | LDS Labor D                | 133       | LDS Payroll  | 4           | CUSTCOL            | Collection-Local Office-Nw                                 | 491.90              |             |                   | 16.85%           | 82.89              |
| 10         | 2019         | 47157          | 0903300            | Cust Collecting        | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | BNKRUPT            | Processing Bankrupt Accounts                               | 1,056.56            |             |                   | 16.85%           | 178.03             |
| 10         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                | 133       | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 27,578.59           |             |                   | 16.85%           | 4,646.99           |
| 11         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL2260               |                            |           | LDS Payroll  |             | BNKRUPT            | Processing Bankrupt Accounts                               | 647.23              | 1           | -                 | 16.85%           | 109.06             |
| 11         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 20,134.82           |             | -                 | 16.85%           | 3,392.72           |
| 11         | 2019         | 47157<br>47157 | 0903300            | Cust Collectin         | PAYRLL<br>PAYRLL | 11000<br>11000 | Labor<br>Labor |                          | LDS Labor D<br>LDS Labor D |           | LDS Payroll  | 4           | CUSTCOL<br>BNKRUPT | Collection-Local Office-Nw<br>Processing Bankrupt Accounts | 269.55<br>899.20    |             |                   | 16.85%           | 45.42<br>151.52    |
| 12         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                | 133       | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 18,392.96           |             |                   | 16.85%<br>16.85% | 3,099.21           |
| 12         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL2545               |                            | 133       | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 268.14              | 1           | +                 | 16.85%           | 45.18              |
| 11         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL2545               | LDS Labor D                | 133       | LDS Payroll  | 1           | CUSTCOL            | Collection-Local Office-Nw                                 | 487.13              |             | +                 | 16.85%           | 45.18<br>82.08     |
| 11         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL30                 | LDS Labor D                |           | LDS Payroll  | 1           | BNKRUPT            | Processing Bankrupt Accounts                               | 1.078.88            |             |                   | 16.85%           | 181.79             |
| 11         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 24,633.54           |             | + +               | 16.85%           | 4.150.75           |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | BNKRUPT            | Processing Bankrupt Accounts                               | 899.20              |             | 1 1               | 16.85%           | 151.52             |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 21,315.90           |             | 1 1               | 16.85%           | 3,591.73           |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL3272               | LDS Labor D                | 133       | LDS Payroll  |             | CAGENCY            | Collection Agency  | 93.24               |             |                   | 16.85%           | 15.71              |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL3272               | LDS Labor D                | 133       | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 478.52              |             |                   | 16.85%           | 80.63              |
| 8          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL3579               | LDS Labor D                | 133       | LDS Payroll  |             | CAGENCY            | Collection Agency  | (158.22)            |             |                   | 16.85%           | (26.66)            |
| 8          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL3579               | LDS Labor D                | 133       | LDS Payroll  | ,           | CUSTCOL            | Collection-Local Office-Nw                                 | 495.14              |             |                   | 16.85%           | 83.43              |
| 8          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL3580               |                            | 133       | LDS Payroll  | ,           | BNKRUPT            | Processing Bankrupt Accounts                               | 1,078.88            |             |                   | 16.85%           | 181.79             |
| 8          | 2019         | 47157          | 0903300            | Cust Collecting        | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                | 133       | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 28,987.51           |             |                   | 16.85%           | 4,884.40           |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CAGENCY            | Collection Agency  | 124.30              |             |                   | 16.85%           | 20.94              |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  | 4           | CUSTCOL            | Collection-Local Office-Nw                                 | 394.29              |             |                   | 16.85%           | 66.44              |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | BNKRUPT            | Processing Bankrupt Accounts                               | 916.90              |             |                   | 16.85%           | 154.50             |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D<br>LDS Labor D |           | LDS Payroll  | 4           | CUSTCOL            | Collection-Local Office-Nw                                 | 24,981.22           |             |                   | 16.85%           | 4,209.34<br>84.48  |
| 9          | 2019<br>2019 | 47157<br>47157 | 0903300            | Cust Collectin         | PAYRLL<br>PAYRLL | 11000<br>11000 | Labor<br>Labor |                          | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL<br>BNKRUPT | Collection-Local Office-Nw<br>Processing Bankrupt Accounts | 501.39<br>916.90    | -           |                   | 16.85%<br>16.85% | 154.50             |
| 9          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 23.309.37           |             |                   | 16.85%           | 3,927.63           |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL5246               |                            | 133       | LDS Payroll  |             | BNKRUPT            | Processing Bankrupt Accounts                               | 427.12              | 1           | -                 | 16.85%           | 71.97              |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL5246               |                            |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 27,633.55           | 1           | +                 | 16.85%           | 4.656.25           |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CAGENCY            | Collection Agency  | 124.32              |             | 1                 | 16.85%           | 20.95              |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 518.28              |             |                   | 16.85%           | 87.33              |
| 10         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL6934               | LDS Labor D                | 133       | LDS Payroll  |             | BNKRUPT            | Processing Bankrupt Accounts                               | 772.38              |             |                   | 16.85%           | 130.15             |
| 10         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL6934               | LDS Labor D                | 133       | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 26,471.03           |             |                   | 16.85%           | 4,460.37           |
| 10         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL6938               | LDS Labor D                | 133       | LDS Payroll  | ,           | CUSTCOL            | Collection-Local Office-Nw                                 | 470.64              |             |                   | 16.85%           | 79.30              |
| 4          | 2019         | 47157          | 0903300            | Cust Collecting        | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CAGENCY            | Collection Agency  | 101.70              |             |                   | 16.85%           | 17.14              |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 611.15              |             |                   | 16.85%           | 102.98             |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | BNKRUPT            | Processing Bankrupt Accounts                               | 1,029.84            |             | _                 | 16.85%           | 173.53             |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL7735               |                            |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 22,995.44           |             |                   | 16.85%           | 3,874.73           |
| 8          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL7788               |                            |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 446.10              | 1           |                   | 16.85%           | 75.17              |
| 8          | 2019<br>2019 | 47157<br>47157 | 0903300<br>0903300 | Cust Collectin         | PAYRLL<br>PAYRLL | 11000<br>11000 | Labor          | PAYRLL7789<br>PAYRLL7789 | LDS Labor D                |           | LDS Payroll  | 1           | BNKRUPT<br>CUSTCOL | Processing Bankrupt Accounts  Collection-Local Office-Nw   | 931.76<br>29,403.83 | 1           |                   | 16.85%           | 157.00             |
| 6          | 2019         | 47157<br>47157 | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor<br>Labor | PAYRLL7789<br>PAYRLL852  | LDS Labor D                |           | LDS Payroll  | 1           | BNKRUPT            | Processing Bankrupt Accounts                               | 29,403.83<br>755.09 | 1           |                   | 16.85%<br>16.85% | 4,954.55<br>127.23 |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL852                | LDS Labor D                |           | LDS Payroll  | 1           | CUSTCOL            | Collection-Local Office-Nw                                 | 22,246.81           | 1           | +                 | 16.85%           | 3,748.59           |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL856                | LDS Labor D                |           | LDS Payroll  | 1           | CAGENCY            | Collection-Local Office-NW Collection Agency               | 124.30              |             | +                 | 16.85%           | 20.94              |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL856                | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 561.58              |             | 1 1               | 16.85%           | 94.63              |
| 9          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  | <del></del> | CUSTCOL            | Collection-Local Office-Nw                                 | 472.91              |             | 1 1               | 16.85%           | 79.69              |
| 9          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | BNKRUPT            | Processing Bankrupt Accounts                               | 931.76              |             | 1 1               | 16.85%           | 157.00             |
| 9          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL8964               | LDS Labor D                | 133       | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 25,387.11           |             | 1 1               | 16.85%           | 4,277.73           |
| 12         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL897                | LDS Labor D                | 133       | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 468.91              |             |                   | 16.85%           | 79.01              |
| 12         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL898                | LDS Labor D                | 133       | LDS Payroll  |             | BNKRUPT            | Processing Bankrupt Accounts                               | 970.83              |             | <u> </u>          | 16.85%           | 163.58             |
| 12         | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          | PAYRLL898                | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 28,741.04           |             |                   | 16.85%           | 4,842.87           |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | BNKRUPT            | Processing Bankrupt Accounts                               | 980.80              |             |                   | 16.85%           | 165.26             |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 26,241.78           |             |                   | 16.85%           | 4,421.74           |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CAGENCY            | Collection Agency  | 124.30              |             |                   | 16.85%           | 20.94              |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin         | PAYRLL           | 11000          | Labor          |                          | LDS Labor D                |           | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 492.27              |             |                   | 16.85%           | 82.95              |
| 12         | 2019         | 47157          | 0903300            | Cust Collecting        | PAYRLL           | 15002          | Labor Other    | PAYRLL8627               | LDS Labor D                | 133       | LDS Payroll  |             | CUSTCOL            | Collection-Local Office-Nw                                 | 1,250.00            |             |                   | 16.85%           | 210.63             |

#### SEE BOTTOM RIGHT OF SPREADSHEET

| Accountin  | Figgal Vac   | Due Unit IF    | A cocupt IF        | Account Le Alloca   | tion lournal M | la Bassuras    | Banauran '    | Iournal ID             | lournal Da Cou                    | oo CD Course | CD Project ID | Process ID CP | Process Long Descr CB                                   | Monetary Amount JD | Vandar ID   | ADI Inveige ID ID | Voucher ID TN 9/ | TN Amount         |
|------------|--------------|----------------|--------------------|---------------------|----------------|----------------|---------------|------------------------|-----------------------------------|--------------|---------------|---------------|---|--------------------|-------------|-------------------|------------------|-------------------|
| Accounting | 2019         | 47157          | 0903000            | Cust Records DUTICU |                | 18001          | Unproductive  |                        | Reverse OU 620                    | Corp-Be      |               | CUSTCOL       | Collection-Local Office-Nw                              | (207.08            | vendor ID A | API INVOICE ID JL | 16.85%           | (34.89)           |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin      | OOI W          | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     |               | BNKRUPT       | Processing Bankrupt Accounts                            | 457.10             | 1           | -                 | 16.85%           | 77.02             |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  |                        | PNY Unprod ALO                    | GL Alloc     |               | CUSTCOL       |   | 9,761.31           |             |                   | 16.85%           | 1.644.78          |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     |               | BNKRUPT       |   | 374.27             |             |                   | 16.85%           | 63.06             |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     | tion          | CUSTCOL       | Collection-Local Office-Nw                              | 9,467.79           |             |                   | 16.85%           | 1,595.32          |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     | tion          | BNKRUPT       | Processing Bankrupt Accounts                            | 411.55             |             |                   | 16.85%           | 69.35             |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     | tion          | CUSTCOL       | Collection-Local Office-Nw                              | 11,624.78          |             |                   | 16.85%           | 1,958.78          |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     | tion          | BNKRUPT       | Processing Bankrupt Accounts                            | 355.34             |             |                   | 16.85%           | 59.87             |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     | tion          | CUSTCOL       | Collection-Local Office-Nw                              | 13,419.73          |             |                   | 16.85%           | 2,261.22          |
| 8          | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     |               | BNKRUPT       | Processing Bankrupt Accounts                            | 210.25             |             |                   | 16.85%           | 35.43             |
| 8          | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              |                                   | GL Alloc     |               | CUSTCOL       |   | 6,105.78           |             |                   | 16.85%           | 1,028.82          |
| 9          | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     |               | BNKRUPT       |   | 382.45             |             |                   | 16.85%           | 64.44             |
| 9          | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     |               | CUSTCOL       |   | 10,074.38          |             |                   | 16.85%           | 1,697.53          |
| 10         | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     |               | BNKRUPT       |   | 245.20             | <b> </b>    |                   | 16.85%           | 41.32             |
| 10         | 2019         | 47157<br>47157 | 0903300            | Cust Collectin      |                | 18001<br>18001 | Unproductive  | UNP200000°             | PNY Unprod ALO<br>PNY Unprod ALO  | GL Alloc     |               | CUSTCOL       |   | 7,246.21<br>396.75 |             | +                 | 16.85%           | 1,220.99<br>66.85 |
| 11         | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     |               | CUSTCOL       | V 1   | 10,290.10          |             | +                 | 16.85%<br>16.85% | 1,733.88          |
| 12         | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     |               | BNKRUPT       | Processing Bankrupt Accounts                            | 618.73             | <b>-</b>    | + +               | 16.85%           | 1,733.66          |
| 12         | 2019         | 47157          | 0903300            | Cust Collectin      |                | 18001          | Unproductive  | UNP200000              | PNY Unprod ALO                    | GL Alloc     |               | CUSTCOL       | • '   | 15,595.05          |             | + +               | 16.85%           | 2,627.77          |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  | UNPD19000              | Unprod-Admi ALO                   | GL Alloc     |               | CAGENCY       |   | 15,595.05          |             | + +               | 16.85%           | 6.42              |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  |                        | Unprod-Admi ALO                   | GL Alloc     |               | CUSTCOL       | . ,   | 228.72             |             | +                 | 16.85%           | 38.54             |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  | UNPD19000              | Unprod-Admi ALO                   | GL Alloc     |               | CAGENCY       |   | 33.55              |             | 1 1               | 16.85%           | 5.65              |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  | UNPD19000              | Unprod-Admi ALO                   | GL Alloc     |               | CUSTCOL       |   | 149.71             |             | 1 1               | 16.85%           | 25.23             |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  | UNPD19000              | Unprod-Admi ALO                   | GL Alloc     |               | CAGENCY       |   | 26.54              |             |                   | 16.85%           | 4.47              |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  | UNPD19000              | Unprod-Admi ALO                   | GL Alloc     |               | CUSTCOL       |   | 102.05             |             | 1                 | 16.85%           | 17.20             |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  | UNPD19000              | Unprod-Admi ALO                   | GL Alloc     | tion          | CAGENCY       | Collection Agency                                       | 33.53              |             |                   | 16.85%           | 5.65              |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  | UNPD19000              | Unprod-Admi ALO                   | GL Alloc     | tion          | CUSTCOL       | Collection-Local Office-Nw                              | 136.90             |             |                   | 16.85%           | 23.07             |
| 8          | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  | UNPD19000              | Unprod-Admi ALO                   | GL Alloc     |               | CAGENCY       | Collection Agency                                       | (85.89             |             |                   | 16.85%           | (14.47)           |
| 8          | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  | UNPD19000              | Unprod-Admi ALO                   | GL Alloc     |               | CUSTCOL       |   | 510.93             |             |                   | 16.85%           | 86.09             |
| 9          | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  | UNPD19000              | Unprod-Admi ALO                   | GL Alloc     |               | CUSTCOL       |   | 376.10             |             |                   | 16.85%           | 63.37             |
| 10         | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  |                        | Unprod-Admi ALO                   | GL Alloc     |               | CUSTCOL       |   | 323.26             |             |                   | 16.85%           | 54.47             |
| 11         | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001          | Unproductive  | UNPD19000              | Unprod-Admi ALO                   | GL Alloc     |               | CUSTCOL       |   | 518.76             |             |                   | 16.85%           | 87.41             |
| 12         | 2019         | 47157          | 0903300            | Cust Collectin      | UNPD19         | 18001<br>18400 | Unproductive  | UNPD19000<br>SRVTRKPL0 | Unprod-Admi ALO                   | GL Alloc     | _             | CUSTCOL       |   | 658.25             |             | +                 | 16.85%           | 110.92            |
| 4          | 2019<br>2019 | 47157<br>47157 | 0903000            | Cust Records DUTICU | INC202         | 18400          | Incentives Al | INC2020001             | Reverse OU 620<br>PNY Incent AALO | Corp-Bei     |               | CUSTCOL       | Collection-Local Office-Nw Processing Bankrupt Accounts | (252.16<br>259.11  | -           | _                 | 16.85%<br>16.85% | (42.49)<br>43.66  |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     |               | CUSTCOL       | • '   | 5,533,37           |             | +                 | 16.85%           | 932.37            |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     |               | BNKRUPT       | Processing Bankrupt Accounts                            | 236.70             | 1           | -                 | 16.85%           | 39.88             |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     |               | CUSTCOL       | V 1   | 5,987.67           |             |                   | 16.85%           | 1.008.92          |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     |               | BNKRUPT       |   | 218.77             |             |                   | 16.85%           | 36.86             |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     |               | CUSTCOL       |   | 6,179.55           |             |                   | 16.85%           | 1,041.25          |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     | tion          | BNKRUPT       | Processing Bankrupt Accounts                            | 179.99             |             |                   | 16.85%           | 30.33             |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     | tion          | CUSTCOL       | Collection-Local Office-Nw                              | 6,797.65           |             |                   | 16.85%           | 1,145.40          |
| 8          | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     | tion          | BNKRUPT       | Processing Bankrupt Accounts                            | 233.19             |             |                   | 16.85%           | 39.29             |
| 8          | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     | tion          | CUSTCOL       | Collection-Local Office-Nw                              | 6,772.20           |             |                   | 16.85%           | 1,141.12          |
| 9          | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     |               | BNKRUPT       | Processing Bankrupt Accounts                            | 234.27             |             |                   | 16.85%           | 39.47             |
| 9          | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     |               | CUSTCOL       |   | 6,170.94           |             |                   | 16.85%           | 1,039.80          |
| 10         | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     |               | BNKRUPT       | Processing Bankrupt Accounts                            | 217.79             |             | +                 | 16.85%           | 36.70             |
| 10         | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     |               | CUSTCOL       |   | 6,436.06           |             | + +               | 16.85%           | 1,084.48          |
| 11         | 2019<br>2019 | 47157<br>47157 | 0903300<br>0903300 | Cust Collectin      | INC202         | 18400<br>18400 | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     |               | BNKRUPT       | V 1   | 222.90<br>5,781.14 |             | +                 | 16.85%           | 37.56             |
| 12         | 2019         | 47157<br>47157 | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent A ALO                  | GL Alloc     |               | BNKRUPT       |   | 5,781.14           | 1           | +                 | 16.85%<br>16.85% | 974.12<br>44.03   |
| 12         | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INC2020001             | PNY Incent AALO                   | GL Alloc     |               | CUSTCOL       | , , , , , , , , , , , , , , , , , , ,                   | 6,586.55           |             | + +               | 16.85%           | 1,109.83          |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin      | INC202         | 18400          | Incentives Al | INCN190001             | President & SALO                  | GL Alloc     |               | CAGENCY       |   | 22.99              |             | + +               | 16.85%           | 3.87              |
| 4          | 2019         | 47157          | 0903300            | Cust Collectin      | INCN19         | 18400          | Incentives Al | INCN190001             | President & SALO                  | GL Alloc     |               | CUSTCOL       |   | 137.95             |             | + +               | 16.85%           | 23.24             |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin      | INCN19         | 18400          | Incentives Al | INCN190001             | President & SALO                  | GL Alloc     |               | CAGENCY       | Collection Agency                                       | 26.36              |             | 1                 | 16.85%           | 4.44              |
| 5          | 2019         | 47157          | 0903300            | Cust Collectin      | INCN19         | 18400          | Incentives Al | INCN190001             | President & SALO                  | GL Alloc     |               | CUSTCOL       | . ,   | 117.65             |             | 1                 | 16.85%           | 19.82             |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin      | INCN19         | 18400          | Incentives Al | INCN190001             | President & SALO                  | GL Alloc     | tion          | CAGENCY       | Collection Agency                                       | 28.89              |             | 1                 | 16.85%           | 4.87              |
| 6          | 2019         | 47157          | 0903300            | Cust Collectin      | INCN19         | 18400          | Incentives Al | INCN190001             | President & SALO                  | GL Alloc     | tion          | CUSTCOL       | Collection-Local Office-Nw                              | 111.08             |             |                   | 16.85%           | 18.72             |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin      | INCN19         | 18400          | Incentives Al | INCN190001             | President & SALO                  | GL Alloc     | tion          | CAGENCY       | Collection Agency                                       | 28.44              |             |                   | 16.85%           | 4.79              |
| 7          | 2019         | 47157          | 0903300            | Cust Collectin      | INCN19         | 18400          | Incentives Al | INCN190001             | President & SALO                  | GL Alloc     | tion          | CUSTCOL       |   | 116.11             |             |                   | 16.85%           | 19.56             |
| 8          | 2019         | 47157          | 0903300            | Cust Collectin      | INCN19         | 18400          | Incentives Al | INCN190001             | President & SALO                  | GL Alloc     |               | CAGENCY       | . ,   | (25.63             |             |                   | 16.85%           | (4.32)            |
| 8          | 2019         | 47157          | 0903300            | Cust Collectin      | INCN19         | 18400          | Incentives Al | INCN190001             | President & SALO                  | GL Alloc     |               | CUSTCOL       |   | 152.48             |             |                   | 16.85%           | 25.69             |
| 9          | 2019         | 47157          | 0903300            | Cust Collectin      | INCN19         | 18400          | Incentives Al | INCN190001             | President & SALO                  | GL Alloc     |               | CUSTCOL       |   | 141.79             |             |                   | 16.85%           | 23.89             |
| 10         | 2019         | 47157          | 0903300            | Cust Collectin      | INCN19         | 18400          | Incentives Al |                        | President & SALO                  | GL Alloc     |               | CUSTCOL       |   | 135.01             |             | +                 | 16.85%           | 22.75             |
| 11         | 2019         | 47157          | 0903300            | Cust Collectin      | INCN19         | 18400          | Incentives Al | INCN190001             | President & SALO                  | GL Alloc     | tion          | CUSTCOL       | Collection-Local Office-Nw                              | 133.92             |             |                   | 16.85%           | 22.57             |

#### SEE BOTTOM RIGHT OF SPREADSHEET

| Accountin | Eigeal Vo    | a Rue Unit II  | Account IF         | Account Le Allocation  | lournal Ma     | Posourco T     | Posourco 1               | Journal ID              | Journal De   | Source CD | Source CD                    | Project ID | Process ID CB  | Process Long Descr CB                                 | Monetary Amount JD    | Vandar ID A                                      | Di Invoice ID II             | Vouchor II           | TN %             | TN Amount            |
|-----------|--------------|----------------|--------------------|------------------------|----------------|----------------|--------------------------|-------------------------|--------------|-----------|------------------------------|------------|----------------|---|-----------------------|--|------------------------------|----------------------|------------------|----------------------|
| 12        | 2019         | 47157          | 0903300            | Cust Collectin         | INCN19         | 18400          | Incentives All           |                         | President &  |           | Gl. Allocation               | FTOJECTID  | CUSTCOL        | Collection-Local Office-Nw                            | 146.51                | Vendor ID A                                      | FI III VOICE ID 3L           | Voucilei ii          | 16.85%           | 24.69                |
| 4         | 2019         | 47157          | 0903000            | Cust Records DUTICUSPN | /              | 19500          | Service Com              |                         | Reverse OU   |           | Corp-Benefit                 |            | CUSTCOL        | Collection-Local Office-Nw                            | (534.94               | <del>                                     </del> |                              |                      | 16.85%           | (90.14)              |
| 5         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 63000          | Contract/Out:            | APACR0538               |              |           | Accounts Par                 |            | BNKRUPT        | Processing Bankrupt Accounts                          |                       | 0000026614                                       | 2993419Q1201                 | 11341962             | 16.85%           | 3.59                 |
| 6         | 2019         | 47157          | 0903300            | Cust Collectin         | ACCRUL         | 69000          | Consultant               |                         | MAR19Guid    |           | DEBS Repor                   |            | CUSTCOL        | Collection-Local Office-Nw                            | (1,230.49             | ol l   |                              |                      | 16.85%           | (207.34)             |
| 5         | 2019         | 47157          | 0903300            | Cust Collectin         | ACCRUL         | 69000          | Consultant               | ACCRUL189               | MAR19Guid    | 500       | DEBS Repor                   |            | CUSTCOL        | Collection-Local Office-Nw                            | (1,230.49             |  |                              |                      | 16.85%           | (207.34)             |
| 6         | 2019         | 47157          | 0903300            | Cust Collectin         | ACCRUL         | 69000          | Consultant               | ACCRUL189               | MAR19Guid    | 500       | DEBS Repor                   |            | CUSTCOL        | Collection-Local Office-Nw                            | 1,230.49              |  |                              |                      | 16.85%           | 207.34               |
| 4         | 2019         | 47157          | 0903300            | Cust Collecting        | APACR          | 69000          | Consultant               |                         | Accounts Pa  | AP        | Accounts Page                |            | CUSTCOL        | Collection-Local Office-Nw                            | 517.28                | 0000133961                                       | DUKEIN002100                 | 11215134             | 16.85%           | 87.16                |
| 4         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               |                         |              |           | Accounts Pag                 |            | CUSTCOL        | Collection-Local Office-Nw                            |                       | 0000133961                                       | DUKEIN002100                 | 11214906             | 16.85%           | 137.34               |
| 5         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               | APACR0537               | Accounts Pa  | •         | Accounts Pa                  |            | CUSTCOL        | Collection-Local Office-Nw                            |                       | 0000133961                                       | DUKEIN002149                 | 11221058             | 16.85%           | 138.67               |
| 5         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               | APACR0737               | Accounts Pa  | AP        | Accounts Pa                  |            | CUSTCOL        | Collection-Local Office-Nw                            |                       | 0000133961                                       | DUKEIN002168                 | 11223876             | 16.85%           | 104.33               |
| 5         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               | APACR0737               | Accounts Pa  | AP        | Accounts Pa                  |            | CUSTCOL        | Collection-Local Office-Nw                            | 501.60                |  | DUKEIN002169                 | 11223812             | 16.85%           | 84.52                |
| 5         | 2019<br>2019 | 47157<br>47157 | 0903300<br>0903300 | Cust Collectin         | APACR<br>APACR | 69000<br>69000 | Consultant<br>Consultant | APACR1017               | Accounts Pa  | 4         | Accounts Par<br>Accounts Par |            | CUSTCOL        | Collection-Local Office-Nw Collection-Local Office-Nw |                       | 0000133961                                       | DUKEIN002210<br>DUKEIN002210 | 11229184<br>11229172 | 16.85%<br>16.85% | 130.74<br>76.60      |
| 5         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               | APACR 1017              | Accounts Pa  |           | Accounts Pa                  |            | CUSTCOL        | Collection-Local Office-Nw                            | 548.63                |  | DUKEIN002210                 | 11236085             | 16.85%           | 92.44                |
| 5         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               | APACR 1285              | Accounts Pa  | 4         | Accounts Pa                  |            | CUSTCOL        | Collection-Local Office-Nw                            |                       | 0000133961                                       | DUKEIN002264                 | 11236086             | 16.85%           | 60.75                |
| 6         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               |                         | Accounts Pa  |           | Accounts Par                 |            | CUSTCOL        | Collection-Local Office-Nw                            |                       | 0000133961                                       | DUKEIN002277                 | 11238198             | 16.85%           | 79.24                |
| 6         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               |                         | Accounts Pa  | 4         | Accounts Par                 |            | CUSTCOL        | Collection-I ocal Office-Nw                           |                       | 0000133961                                       | DUKEIN002277                 | 11238148             | 16.85%           | 29.05                |
| 4         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               |                         | Accounts Pa  |           | Accounts Par                 |            | CUSTCOL        | Collection-Local Office-Nw                            | 532.95                | 0000133961                                       | DUKEIN001953                 | 11195199             | 16.85%           | 89.80                |
| 4         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               | APACR9216               | Accounts Pa  | AP        | Accounts Par                 |            | CUSTCOL        | Collection-Local Office-Nw                            |                       | 0000133961                                       | DUKEIN001953                 | 11195194             | 16.85%           | 96.41                |
| 4         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               | APACR9491               | Accounts Pa  | AP        | Accounts Pa                  |            | CUSTCOL        | Collection-Local Office-Nw                            |                       | 0000133961                                       | DUKEIN002001                 | 11201548             | 16.85%           | 126.78               |
| 4         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               | APACR9491               | Accounts Pa  | AP        | Accounts Pa                  |            | CUSTCOL        | Collection-Local Office-Nw                            | 642.68                | 0000133961                                       | DUKEIN002001                 | 11201553             | 16.85%           | 108.29               |
| 4         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               | APACR9729               | Accounts Pa  | AP        | Accounts Pag                 |            | CUSTCOL        | Collection-Local Office-Nw                            | 666.19                | 0000133961                                       | DUKEIN002031                 | 11205655             | 16.85%           | 112.25               |
| 4         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               | APACR9729               | Accounts Pa  | AP        | Accounts Pa                  |            | CUSTCOL        | Collection-Local Office-Nw                            | 760.24                |  | DUKEIN002031                 | 11205635             | 16.85%           | 128.10               |
| 4         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               | APACR9893               | Accounts Pa  | AP        | Accounts Pa                  |            | CUSTCOL        | Collection-Local Office-Nw                            |                       | 0000133961                                       | DUKEIN002062                 | 11210012             | 16.85%           | 129.42               |
| 4         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69000          | Consultant               | APACR9942               | Accounts Pa  |           | Accounts Pa                  |            | CUSTCOL        | Collection-Local Office-Nw                            | 506.30                |  | DUKEIN002073                 | 11211216             | 16.85%           | 85.31                |
| 5         | 2019         | 47157          | 0903100            | Cust Contrac           | APACR          | 69400          | Turnkey Serv             | APACR0919               |              |           | Accounts Pa                  |            | PNGFP          | Piedmont OCAs   | 7,973.17              |  | 75448                        | 11227482             | 16.85%           | 1,343.48             |
| 6         | 2019         | 47157          | 0903100            | Cust Contrac           | APACR          | 69400          |                          | APACR1869               |              |           | Accounts Pa                  |            | PNGFP          | Piedmont OCAs   |                       | 0000203522                                       | 76015                        | 11244201             | 16.85%           | 815.25               |
| 7         | 2019         | 47157          | 0903100            | Cust Contrac           | APACR          | 69400          | ,                        | APACR3095               | Accounts Pa  | AP        | Accounts Pa                  |            | PNGFP          | Piedmont OCAs   |                       | 0000203522                                       | 76582                        | 11264785             | 16.85%           | 417.37               |
| 8         | 2019         | 47157          | 0903100            | Cust Contrac           | APACR          | 69400          | Turnkey Serv             | APACR4119               | Accounts Pa  | AP        | Accounts Pa                  |            | PNGFP          | Piedmont OCAs   |                       | 0000203522                                       | 77150                        | 11281345             | 16.85%           | 1,486.32             |
| 10        | 2019         | 47157<br>47157 | 0903100<br>0903100 | Cust Contrac           | APACR<br>APACR | 69400<br>69400 | Turnkey Serv             | APACR5384:<br>APACR6737 | Accounts Pa  | AP.       | Accounts Par                 |            | PNGFP<br>PNGFP | Piedmont OCAs Piedmont OCAs                           | 11,743.74             | 0000203522                                       | 77728<br>78354               | 11304804             | 16.85%           | 1,978.82<br>2.475.44 |
| 11        | 2019         | 47157          | 0903100            | Cust Contrac           | APACR          | 69400          | Turnkey Serv             | APACR8118               | Accounts Pa  | 4         | Accounts Pa                  |            | PNGFP          | Piedmont OCAs   | 6,399.47              |  | 78932                        | 11353749             | 16.85%<br>16.85% | 1,078.31             |
| 12        | 2019         | 47157          | 0903100            | Cust Contrac           | APACR          | 69400          |                          | APACR9149               | Accounts Pa  |           | Accounts Pa                  |            | PNGFP          | Piedmont OCAs   | 14,747.21             |  | 79444                        | 11373165             | 16.85%           | 2,484.90             |
| 4         | 2019         | 47157          | 0903100            | Cust Contrac           | APACR          | 69400          | Turnkey Serv             | APACR9627               | Accounts Pa  |           | Accounts Par                 |            | PNGFP          | Piedmont OCAs   |                       | 0000203522                                       | 74828                        | 11204321             | 16.85%           | 775.43               |
| 5         | 2019         | 47157          | 0903200            | Cust Billing &         | APACR          | 69400          | Turnkey Serv             | APACR0919               | Accounts Pa  |           | Accounts Par                 |            | PNGFP          | Piedmont OCAs   | 7,542.20              |  | 75448                        | 11227482             | 16.85%           | 1,270.86             |
| 6         | 2019         | 47157          | 0903200            | Cust Billing &         | APACR          | 69400          |                          |                         | Accounts Pa  | AP        | Accounts Par                 |            | PNGFP          | Piedmont OCAs   | 4,576.74              | 0000203522                                       | 76015                        | 11244201             | 16.85%           | 771.18               |
| 7         | 2019         | 47157          | 0903200            | Cust Billing &         | APACR          | 69400          | Turnkey Serv             | APACR3095               | Accounts Pa  | AP        | Accounts Pa                  |            | PNGFP          | Piedmont OCAs   | 2,343.10              | 0000203522                                       | 76582                        | 11264785             | 16.85%           | 394.81               |
| 8         | 2019         | 47157          | 0903200            | Cust Billing &         | APACR          | 69400          | Turnkey Serv             | APACR4119               | Accounts Pa  | AP        | Accounts Pa                  |            | PNGFP          | Piedmont OCAs   | 8,344.10              | 0000203522                                       | 77150                        | 11281345             | 16.85%           | 1,405.98             |
| 9         | 2019         | 47157          | 0903200            | Cust Billing &         | APACR          | 69400          | Turnkey Serv             | APACR5384               | Accounts Pa  | AP        | Accounts Pag                 |            | PNGFP          | Piedmont OCAs   | 11,108.95             | 0000203522                                       | 77728                        | 11304804             | 16.85%           | 1,871.86             |
| 10        | 2019         | 47157          | 0903200            | Cust Billing &         | APACR          | 69400          |                          | APACR6737               | Accounts Pa  |           | Accounts Page                |            | PNGFP          | Piedmont OCAs   | 13,896.92             |  | 78354                        | 11329384             | 16.85%           | 2,341.63             |
| 11        | 2019         | 47157          | 0903200            | Cust Billing &         | APACR          | 69400          | ,                        | APACR8118               |              | 1         | Accounts Pa                  |            | PNGFP          | Piedmont OCAs   | -,                    | 0000203522                                       | 78932                        | 11353749             | 16.85%           | 1,020.02             |
| 12        | 2019         | 47157          | 0903200            | Cust Billing &         | APACR          | 69400          | Turnkey Serv             | APACR9149               | Accounts Pa  | 4         | Accounts Pa                  |            | PNGFP          | Piedmont OCAs   | 13,950.07             |  | 79444                        | 11373165             | 16.85%           | 2,350.59             |
| 4         | 2019         | 47157          | 0903200            | Cust Billing &         | APACR          | 69400          | Turnkey Serv             | APACR9627               | Accounts Pa  | AP        | Accounts Pa                  |            | PNGFP          | Piedmont OCAs   | 4,353.21              |  | 74828                        | 11204321             | 16.85%           | 733.52               |
| 5         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69400          | Turnkey Serv             | APACR0919               | Accounts Pa  | AP        | Accounts Pa                  |            | PNGFP          | Piedmont OCAs   | 6,033.76              |  | 75448                        | 11227482             | 16.85%           | 1,016.69             |
| 7         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR<br>APACR | 69400          | ,                        | APACR1869               |              | •         | Accounts Par                 |            | PNGFP<br>PNGFP | Piedmont OCAs   |                       | 0000203522                                       | 76015                        | 11244201             | 16.85%           | 616.94               |
| ,         | 2019<br>2019 | 47157<br>47157 | 0903300<br>0903300 | Cust Collectin         | APACR<br>APACR | 69400<br>69400 |                          | APACR3095<br>APACR4119  |              |           | Accounts Par<br>Accounts Par |            | PNGFP<br>PNGFP | Piedmont OCAs<br>Piedmont OCAs                        |                       | 0000203522                                       | 76582<br>77150               | 11264785<br>11281345 | 16.85%<br>16.85% | 315.85<br>1,124.78   |
| 0         | 2019         | 47157<br>47157 | 0903300            | Cust Collectin         | APACR          | 69400<br>69400 | Turnkey Serv             | APACR4119<br>APACR5384  | Accounts Pa  |           | Accounts Par<br>Accounts Par |            | PNGFP          | Piedmont OCAs Piedmont OCAs                           |                       | 0000203522                                       | 77728                        | 11281345             | 16.85%           | 1,124.78             |
| 10        | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69400          | Turnkey Serv             | APACR5384               | Accounts Pa  | 1         | Accounts Pa                  |            | PNGFP          | Pleamont OCAs Pleamont OCAs                           | 8,887.16<br>11.117.53 | 0000203522                                       | 78354                        | 11304804             | 16.85%           | 1,497.49             |
| 11        | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69400          | Turnkey Serv             |                         |              | 4         | Accounts Pa                  | 1          | PNGFP          | Piedmont OCAs   | 4.842.85              |  | 78932                        | 11353749             | 16.85%           | 816.02               |
| 12        | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69400          |                          | APACR9149               | Accounts Pa  | 4         | Accounts Pa                  | -          | PNGFP          | Piedmont OCAs   | , , , , ,             | 0000203522                                       | 79444                        | 11373165             | 16.85%           | 1,880.47             |
| 4         | 2019         | 47157          | 0903300            | Cust Collectin         | APACR          | 69400          | Turnkey Serv             |                         | Accounts Pa  |           | Accounts Par                 |            | PNGFP          | Piedmont OCAs   | 3.482.57              |  | 74828                        | 11204321             | 16.85%           | 586.81               |
| 4         | 2019         | 47157          | 0903300            | Cust Collectin         | ELE03A         | 78000          | ,                        | ELE03A0001              |              | •         | GL Allocation                |            | CAGENCY        | Collection Agency                                     | 91.58                 |  | 1                            |                      | 16.85%           | 15.43                |
| 4         | 2019         | 47157          | 0903300            | Cust Collectin         | ELE03A         | 78000          | Allocated S&             |                         |              |           | GL Allocation                |            | CUSTCOL        | Collection-Local Office-Nw                            | 549.61                |  | 1                            |                      | 16.85%           | 92.61                |
| 5         | 2019         | 47157          | 0903300            | Cust Collectin         | ELE03A         | 78000          | Allocated S&             | ELE03A0001              |              |           | GL Allocation                |            | CAGENCY        | Collection Agency                                     | 110.18                |  |                              |                      | 16.85%           | 18.57                |
| 5         | 2019         | 47157          | 0903300            | Cust Collectin         | ELE03A         | 78000          | Allocated S&             | ELE03A0001              | Elec OH to A | ALO       | GL Allocation                |            | CUSTCOL        | Collection-Local Office-Nw                            | 491.71                |  |                              |                      | 16.85%           | 82.85                |
| 6         | 2019         | 47157          | 0903300            | Cust Collectin         | ELE03A         | 78000          | Allocated S&             | ELE03A0001              |              |           | GL Allocation                |            | CAGENCY        | Collection Agency                                     | 125.92                |  |                              |                      | 16.85%           | 21.22                |
| 6         | 2019         | 47157          | 0903300            | Cust Collectin         | ELE03A         | 78000          | Allocated S&             | ELE03A0001              | Elec OH to A |           | GL Allocation                |            | CUSTCOL        | Collection-Local Office-Nw                            | 484.15                |  |                              |                      | 16.85%           | 81.58                |
| 7         | 2019         | 47157          | 0903300            | Cust Collectin         | ELE03A         | 78000          | Allocated S&             | ELE03A0001              |              |           | GL Allocation                |            | CAGENCY        | Collection Agency                                     | 120.20                |  |                              |                      | 16.85%           | 20.25                |
| 7         | 2019         | 47157          | 0903300            | Cust Collectin         | ELE03A         | 78000          | Allocated S&             | ELE03A0001              |              |           | GL Allocation                |            | CUSTCOL        | Collection-Local Office-Nw                            | 490.76                |  |                              |                      | 16.85%           | 82.69                |
| 8         | 2019         | 47157          | 0903300            | Cust Collecting        | ELE03A         | 78000          | Allocated S&             |                         | Elec OH to A |           | GL Allocation                |            | CAGENCY        | Collection Agency                                     | (80.14                |  | 1                            |                      | 16.85%           | (13.50)              |
| 8         | 2019         | 47157          | 0903300            | Cust Collecting        | ELE03A         | 78000          | Allocated S&             | ELE03A0001              | Elec OH to A |           | GL Allocation                |            | CUSTCOL        | Collection-Local Office-Nw                            | 476.74                |  | 1                            |                      | 16.85%           | 80.33                |
| 9         | 2019         | 47157          | 0903300            | Cust Collectin         | ELE03A         | 78000          | Allocated S&             | ELE03A0001              |              |           | GL Allocation                |            | CUSTCOL        | Collection-Local Office-Nw                            | 493.48                |  | +                            |                      | 16.85%           | 83.15                |
| 10        | 2019         | 47157          | 0903300            | Cust Collectin         | ELE03A         | 78000          |                          |                         |              |           | GL Allocation                |            | CUSTCOL        | Collection-Local Office-Nw                            | 487.53                | 1  | +                            |                      | 16.85%           | 82.15                |
| 11        | 2019         | 47157          | 0903300            | Cust Collectin         | ELE03A         | 78000          | Allocated S&             | ELE03A0001              | Liec OH to A | ALU       | GL Allocation                |            | CUSTCOL        | Collection-Local Office-Nw                            | 383.26                | <u>'l                                      </u>  |                              |                      | 16.85%           | 64.58                |

#### SEE BOTTOM RIGHT OF SPREADSHEET

| Accounting Fiscal Year | Bus Unit IC | Account II | C Account L    | Allocation | Journal M | la Resource | Resource     | Journal ID | Journal De S   | ource CD Source | CD Project ID | Process ID CB | Process Long Descr CB        | Monetary Amount JD | Vendor ID A | API Invoice ID JI | Voucher II | TN %   | TN Amount |
|------------------------|-------------|------------|----------------|------------|-----------|-------------|--------------|------------|----------------|-----------------|---------------|---------------|------------------------------|--------------------|-------------|-------------------|------------|--------|-----------|
| 12 2019                | 47157       | 0903300    | Cust Collecti  | 1          | ELE03A    | 78000       | Allocated Sξ | ELE03A0001 | Elec OH to A A | LO GL Alloc     | ition         | CUSTCOL       | Collection-Local Office-Nw   | 373.32             |             |                   |            | 16.85% | 62.90     |
| 1 2020                 | 47157       | 0903100    | Cust Contrac   |            | APACR     | 69400       | Turnkey Ser  | APACR0098  | Accounts PayA  | P Account       | Pay           | PNGFP         | Piedmont OCAs                | 13,729.32          | 0000203522  | 79972             | 11387688   | 17.00% | 2.333.98  |
| 2 2020                 | 47157       | 0903100    | Cust Contrac   |            | APACR     | 69400       | Turnkey Ser  | APACR1594  | Accounts PayA  | P Account       | Pay           | PNGFP         | Piedmont OCAs                | 6,180.29           | 0000203522  | 80440             | 11415171   | 17.00% | 1,050.65  |
| 3 2020                 | 47157       | 0903100    | Cust Contrac   | ,          | APACR     | 69400       | Turnkey Ser  | APACR2286  | Accounts PayA  | P Account       | Pay           | PNGFP         | Piedmont OCAs                | 4,203.26           | 0000203522  | 80963             | 11425393   | 17.00% | 714.55    |
| 1 2020                 | 47157       | 0903200    | Cust Billing 8 | ž.         | APACR     | 69400       | Turnkey Ser  | APACR0098  | Accounts PayA  | P Account       | Pay           | PNGFP         | Piedmont OCAs                | 12,987.19          | 0000203522  | 79972             | 11387688   | 17.00% | 2,207.82  |
| 2 2020                 | 47157       | 0903200    | Cust Billing 8 | i i        | APACR     | 69400       | Turnkey Ser  | APACR1594  | Accounts PayA  | P Account       | Pay           | PNGFP         | Piedmont OCAs                | 5,846.22           | 0000203522  | 80440             | 11415171   | 17.00% | 993.86    |
| 3 2020                 | 47157       | 0903200    | Cust Billing 8 | ž.         | APACR     | 69400       | Turnkey Ser  | APACR2286  | Accounts PayA  | P Account       | Pay           | PNGFP         | Piedmont OCAs                | 3,976.06           | 0000203522  | 80963             | 11425393   | 17.00% | 675.93    |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | APACR     | 69400       | Turnkey Ser  | APACR0098  | Accounts PayA  | P Account       | Pay           | PNGFP         | Piedmont OCAs                | 10,389.75          | 0000203522  | 79972             | 11387688   | 17.00% | 1,766.26  |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | APACR     | 33000       | Office Suppl | APACR1451  | Accounts PayA  | P Account       | Pay           | CUSTCOL       | . Collection-Local Office-Nw | 742.96             | 0000101574  | 42442332CPN       | 11411462   | 17.00% | 126.30    |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | r          | APACR     | 69400       | Turnkey Ser  | APACR1594  | Accounts PayA  | P Account       | Pay           | PNGFP         | Piedmont OCAs                | 4,676.97           | 0000203522  | 80440             | 11415171   | 17.00% | 795.08    |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | APACR     | 33000       | Office Suppl | APACR1642  | Accounts PayA  | P Account       | Pay           | CUSTCOL       | . Collection-Local Office-Nw | 811.06             | 0000101574  | 42442333CPN       | 11415628   | 17.00% | 137.88    |
| 3 2020                 | 47157       | 0903300    | Cust Collecti  | r          | APACR     | 69400       | Turnkey Ser  | APACR2286  | Accounts PayA  | P Account       | Pay           | PNGFP         | Piedmont OCAs                | 3,180.84           | 0000203522  | 80963             | 11425393   | 17.00% | 540.74    |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | ELE03A    | 78000       | Allocated S8 | ELE03A0001 | Elec OH to A A | LO GL Alloc     | ition         | CUSTCOL       | . Collection-Local Office-Nw | 529.31             |             |                   |            | 17.00% | 89.98     |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | r          | ELE03A    | 78000       | Allocated S8 | ELE03A0001 | Elec OH to A A | LO GL Alloc     | ition         | CUSTCOL       | Collection-Local Office-Nw   | 544.71             |             |                   |            | 17.00% | 92.60     |
| 3 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | ELE03A    | 78000       | Allocated S? | ELE03A0001 | Elec OH to A A | LO GL Alloc     | ition         | CUSTCOL       | . Collection-Local Office-Nw | 556.67             |             |                   |            | 17.00% | 94.63     |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | r          | INC202    | 18400       | Incentives A | INC2020001 | PNY Incent AA  | LO GL Alloc     | ition         | BNKRUPT       | Processing Bankrupt Accounts | 214.32             |             |                   |            | 17.00% | 36.43     |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | INC202    | 18400       | Incentives A | INC2020001 | PNY Incent AA  | LO GL Alloc     | ition         | CUSTCOL       | . Collection-Local Office-Nw | 6,900.44           |             |                   |            | 17.00% | 1,173.07  |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | r          | INC202    | 18400       | Incentives A | INC2020001 | PNY Incent AA  | LO GL Alloc     | ition         | BNKRUPT       | Processing Bankrupt Accounts | 215.03             |             |                   |            | 17.00% | 36.56     |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | INC202    | 18400       | Incentives A | INC2020001 | PNY Incent AA  | LO GL Alloc     | ition         | CUSTCOL       | . Collection-Local Office-Nw | 6,821.78           |             |                   |            | 17.00% | 1,159.70  |
| 3 2020                 | 47157       | 0903300    | Cust Collecti  | r          | INC202    | 18400       | Incentives A | INC2020001 | PNY Incent AA  | LO GL Alloc     | ition         | BNKRUPT       | Processing Bankrupt Accounts | 239.06             |             |                   |            | 17.00% | 40.64     |
| 3 2020                 | 47157       | 0903300    | Cust Collecti  | r          | INC202    | 18400       | Incentives A | INC2020001 | PNY Incent AA  | LO GL Alloc     | ition         | CUSTCOL       | Collection-Local Office-Nw   | 7,104.83           |             |                   |            | 17.00% | 1,207.82  |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | r          | INCN19    | 18400       | Incentives A | INCN190001 | President & SA | LO GL Alloc     | ition         | CUSTCOL       | Collection-Local Office-Nw   | 122.36             |             |                   |            | 17.00% | 20.80     |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | r          | INCN19    | 18400       | Incentives A | INCN190001 | President & SA | LO GL Alloc     | ition         | CUSTCOL       | Collection-Local Office-Nw   | 120.40             |             |                   |            | 17.00% | 20.47     |
|                        | 47157       | 0903300    | Cust Collecti  | r          | INCN19    | 18400       | Incentives A | INCN190001 | President & SA | LO GL Alloc     | ition         | CUSTCOL       | Collection-Local Office-Nw   | 119.63             |             |                   |            | 17.00% | 20.34     |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | r          | PAYRLL    | 11000       | Labor        | PAYRLL2240 | LDS Labor D 1  | 33 LDS Pay      | oll 、         | CUSTCOL       | Collection-Local Office-Nw   | 505.72             |             |                   |            | 17.00% | 85.97     |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | r          | PAYRLL    | 11000       | Labor        | PAYRLL2241 | LDS Labor D 1  | 33 LDS Pay      | oll .         | BNKRUPT       | Processing Bankrupt Accounts | 735.60             |             |                   |            | 17.00% | 125.05    |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | PAYRLL    | 11000       | Labor        | PAYRLL2241 | LDS Labor D 1  | 33 LDS Pay      | oll .         | CUSTCOL       | . Collection-Local Office-Nw | 24,817.53          |             |                   |            | 17.00% | 4,218.98  |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | r          | PAYRLL    | 11000       | Labor        | PAYRLL3956 | LDS Labor D 1  | 33 LDS Pay      | oll 、         | BNKRUPT       | Processing Bankrupt Accounts | 1,024.77           |             |                   |            | 17.00% | 174.21    |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  |            | PAYRLL    | 11000       | Labor        | PAYRLL3956 | LDS Labor D 1  | 33 LDS Pay      | oll .         | CUSTCOL       | . Collection-Local Office-Nw | 30,291.44          |             |                   |            | 17.00% | 5,149.54  |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | PAYRLL    | 11000       | Labor        | PAYRLL3960 | LDS Labor D 1  | 33 LDS Pay      | oll .         | CUSTCOL       | . Collection-Local Office-Nw | 570.33             |             |                   |            | 17.00% | 96.96     |
| 3 2020                 | 47157       | 0903300    | Cust Collecti  | r          | PAYRLL    | 11000       | Labor        | PAYRLL5092 | LDS Labor D 1  | 33 LDS Pay      | oll .         | CUSTCOL       | . Collection-Local Office-Nw | 567.94             |             |                   |            | 17.00% | 96.55     |
| 3 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | PAYRLL    | 11000       | Labor        | PAYRLL5093 | LDS Labor D 1  | 33 LDS Pay      | oll .         | BNKRUPT       | Processing Bankrupt Accounts | 949.79             |             |                   |            | 17.00% | 161.46    |
| 3 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | PAYRLL    | 11000       | Labor        | PAYRLL5093 | LDS Labor D 1  | 33 LDS Pay      | oll .         | CUSTCOL       | . Collection-Local Office-Nw | 26,811.73          |             |                   |            | 17.00% | 4,557.99  |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | PAYRLL    | 11000       | Labor        | PAYRLL6474 | LDS Labor D 1  | 33 LDS Pay      | oll .         | CUSTCOL       | . Collection-Local Office-Nw | 555.23             |             |                   |            | 17.00% | 94.39     |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | PAYRLL    | 11000       | Labor        | PAYRLL6475 | LDS Labor D 1  | 33 LDS Pay      | oll .         | BNKRUPT       | Processing Bankrupt Accounts | 854.24             |             |                   |            | 17.00% | 145.22    |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | r          | PAYRLL    | 11000       | Labor        | PAYRLL6475 | LDS Labor D 1  | 33 LDS Pay      | oll .         | CUSTCOL       | Collection-Local Office-Nw   | 26,369.41          |             |                   |            | 17.00% | 4,482.80  |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | PAYRLL    | 11000       | Labor        | PAYRLL6900 | LDS Labor D 1  | 33 LDS Pay      | oll .         | CUSTCOL       | . Collection-Local Office-Nw | 521.49             |             |                   |            | 17.00% | 88.65     |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | r          | PAYRLL    | 11000       | Labor        | PAYRLL690° | LDS Labor D 1  | 33 LDS Pay      | oll .         | BNKRUPT       | Processing Bankrupt Accounts | 822.51             |             |                   |            | 17.00% | 139.83    |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | ı          | PAYRLL    | 11000       | Labor        | PAYRLL6901 | LDS Labor D 1  | 33 LDS Pay      | oll .         | CUSTCOL       | . Collection-Local Office-Nw | 28,313.14          |             |                   |            | 17.00% | 4,813.23  |
| 3 2020                 | 47157       | 0903300    | Cust Collecti  | r          | PAYRLL    | 11000       | Labor        | PAYRLL8473 | LDS Labor D 1  | 33 LDS Pay      |               | CUSTCOL       | Collection-Local Office-Nw   | 547.85             |             |                   |            | 17.00% | 93.13     |
| 3 2020                 | 47157       | 0903300    | Cust Collecti  | r          | PAYRLL    | 11000       | Labor        | PAYRLL8474 | LDS Labor D 1  | 33 LDS Pay      | oll .         | BNKRUPT       | Processing Bankrupt Accounts | 1,024.32           |             |                   |            | 17.00% | 174.13    |
| 3 2020                 | 47157       | 0903300    | Cust Collecti  | r          | PAYRLL    | 11000       | Labor        | PAYRLL8474 | LDS Labor D 1  | 33 LDS Pay      | oll .         | CUSTCOL       | Collection-Local Office-Nw   | 31,857.51          |             |                   |            | 17.00% | 5,415.78  |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | r          |           | 18001       | Unproductive | UNP2000001 | PNY Unprod A   | LO GL Alloc     | ition         | BNKRUPT       | Processing Bankrupt Accounts | 451.34             |             |                   |            | 17.00% | 76.73     |
|                        | 47157       | 0903300    | Cust Collecti  | r          |           | 18001       | Unproductive | UNP2000001 | PNY Unprod A   | LO GL Alloc     | ition         | CUSTCOL       | Collection-Local Office-Nw   | 14,531.49          |             |                   |            | 17.00% | 2,470.35  |
|                        | 47157       | 0903300    | Cust Collecti  | r          |           | 18001       | Unproductive | UNP2000001 | PNY Unprod A   | LO GL Alloc     | ition         | BNKRUPT       | Processing Bankrupt Accounts | 200.62             |             |                   |            | 17.00% | 34.11     |
| 2 2020                 | 47157       | 0903300    | Cust Collecti  | r          |           | 18001       | Unproductive | UNP2000001 | IPNY Unprod A  | LO GL Alloc     | ition         | CUSTCOL       | Collection-Local Office-Nw   | 6,364.77           |             |                   |            | 17.00% | 1,082.01  |
| 3 2020                 | 47157       | 0903300    | Cust Collecti  | r          |           | 18001       | Unproductive | UNP2000001 | PNY Unprod A   | LO GL Alloc     | ition         | BNKRUPT       | Processing Bankrupt Accounts | 302.69             |             |                   |            | 17.00% | 51.46     |
|                        | 47157       | 0903300    | Cust Collecti  | r          |           | 18001       | Unproductive | UNP2000001 | IPNY Unprod A  | LO GL Alloc     |               | CUSTCOL       | Collection-Local Office-Nw   | 8,995.76           |             |                   |            | 17.00% | 1,529.28  |
| 1 2020                 | 47157       | 0903300    | Cust Collecti  | r          | UNPD19    | 18001       | Unproductive | UNPD19000  | Unprod-Admi A  | LO GL Alloc     | ition         | CUSTCOL       | Collection-Local Office-Nw   | 104.37             |             |                   |            | 17.00% | 17.74     |
|                        | 47157       | 0903300    | Cust Collecti  | r          | UNPD19    | 18001       | Unproductive | UNPD19000  | Unprod-Admi A  | LO GL Alloc     | ition         | CUSTCOL       | Collection-Local Office-Nw   | 54.82              |             |                   |            | 17.00% | 9.32      |
| 3 2020                 | 47157       | 0903300    | Cust Collecti  | r          | UNPD19    | 18001       | Unproductiv  | UNPD19000  | Unprod-Admi A  | LO GL Alloc     | ition         | CUSTCOL       | Collection-Local Office-Nw   | 23.57              |             |                   |            | 17.00% | 4.01      |

161,595,265.23 53,648,239.54

0903s accounts only

Process ID CB
Collection Expenses Coded to Process ID CB ---> Total TN CUSTCOL, BNKRUPT, CA(\$ 193,301.71

| Account Number | Account Name                         | Non Labor Charges | Labor Charges | Total TN O&M |               | Total TN Labor incl Incentiv |
|----------------|--------------------------------------|-------------------|---------------|--------------|---------------|------------------------------|
| 0735000        | Gas Misc Production Exp              | \$ 76,870.47 \$   | 5,925.83 \$   | 82,796.30    | 522.89        | \$ 6,448.72                  |
| 0807000        | Gas Purchased Expenses               | 148,133.99        | 183,504.95    | 331,638.94   | 32,240.92     | \$ 215,745.88                |
| 0840000        | Operation Supv & Eng-OSTG            | (14,963.02)       | (239.04)      | (15,202.06)  |               | \$ (239.04                   |
| 0843500        | LNG Maint Liquefaction Equip         | 26,059.24         | -             | 26,059.24    |               | \$ -                         |
| 0843600        | LNG Maint Vaporization Equip         | 5,510.15          | -             | 5,510.15     |               | \$ -                         |
| 0843900        | LNG Maint Other Storage Equip        | 11,518.79         | 90.74         | 11,609.53    |               | \$ 90.74                     |
| 0844100        | LNG Ops Supv Eng Labor & Exp         | 64,498.12         | 200,696.70    | 265,194.82   | 20,854.33     | \$ 221,551.03                |
| 0846201        | LNG Operation Labor & Exp            | 501,068.36        | 631,802.92    | 1,132,871.28 | 19,555.49     | \$ 651,358.41                |
| 0851000        | System Control & Load Dispatch       | 168,063.39        | 306,216.68    | 474,280.07   | 32,014.79     | \$ 338,231.47                |
| 0853000        | Compressor Station Labor & Exp       | 166,764.71        | 74,132.58     | 240,897.29   | 7,625.75      | \$ 81,758.33                 |
| 0856001        | Mains Expenses                       | 38,214.43         | 346.73        | 38,561.16    | •             | \$ 346.73                    |
| 0859000        | Other Expenses-Trans                 | 18,590.52         | 35,669.79     | 54,260.31    | 4,021.36      | \$ 39,691.15                 |
| 0861000        | Maintenance Supv & Eng-Tran          | 41,055.00         | 129,788.67    | 170,843.67   | 14,871.54     | \$ 144,660.21                |
| 0862000        | Maint Struct & Improve-Tran          | 14,374.21         | 35.099.14     | 49.473.35    | 3.647.08      | \$ 38.746.22                 |
| 0863000        | Transm-Maint of Mains                | 2,470,927.08      | 179,484.61    | 2,650,411.69 | 10,610.76     | \$ 190,095.37                |
| 0864000        | Maint Compressor Sta Eq-Tran         | 88,545.83         | 42,376.30     | 130,922.13   | 4,408.56      | \$ 46.784.86                 |
| 0865000        | Maint Of M & R Station Eq-Tran       | 17,541.99         | 29,674.99     | 47,216.98    | 3,081.07      | \$ 32,756.06                 |
| 0870000        | Distribution Sys Ops-Supv/Eng        | 46,151.44         | 195,040.98    | 241,192.42   | 6,104.06      | \$ 201,145.04                |
| 0871000        | Distribution Load Dispatching        | 92,812.08         | 29.83         | 92,841.91    | 0,104.00      | \$ 29.83                     |
| 0874000        | Mains And Services                   | 3,369,768.71      | 714,749.86    | 4,084,518.57 | 35,268.31     | \$ 750,018.17                |
| 0875000        | Measuring And Reg Stations-Ge        | 32,685.87         | 9,027.46      | 41,713.33    | 1,389.70      | \$ 10,417.16                 |
| 0878000        | Meter And House Regulator Exp        | 470,357.22        | 1,995,201.95  | 2,465,559.17 | 59,533.21     | \$ 2,054,735.16              |
|                |                                      |                   |               |              | ,             |                              |
| 0879000        | Customer Installation Expense        | 286,103.09        | 1,178,553.83  | 1,464,656.92 | ,             | , ,                          |
| 0880000        | Gas Distribution-Other Expense       | 932,171.06        | 1,003,614.01  | 1,935,785.08 | 88,348.30     |                              |
| 0885000        | Maint Dist Sys Fac- Supv/Engr        | 196,024.16        | 559,159.70    | 755,183.86   | 72,381.25     | \$ 631,540.95                |
| 0887000        | Maintenance of Mains                 | 1,225,690.10      | 1,343,230.05  | 2,568,920.15 | 74,434.90     | \$ 1,417,664.95              |
| 0889000        | Maint-Meas/Reg Stn Equip-Gas         | 297,651.68        | 641,778.90    | 939,430.58   | 21,447.02     | \$ 663,225.92                |
| 0889001        | Maint CNG Fuel Stations-Dist         | 102,711.98        | 90,221.56     | 192,933.54   | 11,358.52     | \$ 101,580.08                |
| 0890000        | Maint - Meas/Reg Stn Eq-Indus        | 8,627.39          | 14,581.76     | 23,209.15    | 1,515.55      | \$ 16,097.31                 |
| 0891000        | Maint M&R equip City Gate            | 122.37            | 432.64        | 555.01       | 12.80         | \$ 445.44                    |
| 0892000        | Maintenance of Services              | 539,168.07        | 105,775.06    | 644,943.13   | ,             | \$ 107,734.91                |
| 0893000        | Maint - Meters And House Reg         | 199,519.65        | 796,306.69    | 995,826.34   | 23,658.97     | \$ 819,965.66                |
| 0894000        | Maint-Other Distribution Equip       | (2,582.46)        | 5,277.61      | 2,695.15     | 157.29        | \$ 5,434.90                  |
| 0901000        | Supervision-Cust Accts               | 4,903.83          | 19,598.63     | 24,502.46    | 2,290.78      | \$ 21,889.41                 |
| 0902000        | Meter Reading Expense                | 15,187.23         | 158,691.82    | 173,879.05   | 8,638.40      | \$ 167,330.22                |
| 0903000        | Cust Records & Collection Exp        | 45,216.60         | 253,524.37    | 298,740.97   | 26,125.91     | \$ 279,650.28                |
| 0903100        | Cust Contracts & Orders-Local        | 626,573.35        | 503,406.67    | 1,129,980.02 | 62,645.77     | \$ 566,052.44                |
| 0903200        | Cust Billing & Acct                  | 836,257.72        | 650,407.42    | 1,486,665.14 | 77,773.49     | \$ 728,180.91                |
| 0903300        | Cust Collecting-Local                | 1,653,062.55      | 557,370.27    | 2,210,432.81 | 66,062.95     | \$ 623,433.22                |
| 0905000        | Misc Customer Accts Expenses         | 628.88            | -             | 628.88       |               | \$ -                         |
| 0908000        | Cust Asst Exp-Conservation Pro       | 1,219.80          | -             | 1,219.80     |               | \$ -                         |
| 0909650        | Misc Advertising Expenses            | 102,584.26        | -             | 102,584.26   |               | \$ -                         |
| 0910000        | Misc Cust Serv/Inform Exp            | 2,666.14          | 10,027.31     | 12,693.44    | 1,052.87      | \$ 11,080.17                 |
| 0910100        | Exp-Rs Reg Prod/Svces-CstAccts       | (2,990.78)        | (145.16)      | (3,135.94)   | (16.09)       | \$ (161.25                   |
| 0912000        | Demonstrating & Selling Exp          | 300,823.82        | 197,855.68    | 498,679.50   | 36,981.53     | \$ 234,837.22                |
| 0913001        | Advertising Expense                  | 43.058.17         | 258.97        | 43,317.15    | 29.78         | \$ 288.75                    |
| 0916000        | Misc Sales Expenses                  | 72,014.23         | 451,822.28    | 523,836.51   | 52,370.18     | \$ 504,192.46                |
| 0920000        | A & G Salaries                       | 2,598,970.91      | 3,717,260.01  | 6,316,230.91 | 1,747,405.87  | \$ 5,464,665.88              |
| 0920100        | Salaries & Wages - Proj Supt -       | (40.53)           | -             | (40.53)      | 1,1 11,700.07 | \$ -                         |
| 0921100        | Employee Expenses                    | 173,236.32        | -             | 173,236.32   |               | \$ -                         |
| 0921101        | Employee Expenses  Employee Expenses | 108.13            | _             | 108.13       |               | \$ -                         |
| 0921110        | Relocation Expenses                  | 207.57            | _             | 207.57       |               | \$ -                         |
| 0921110        | Office Expenses                      | 950,962.06        | 81.62         | 951,043.68   |               | \$ 81.62                     |
| 0921300        | Telephone And Telegraph Exp          | 1,774.02          | 01.02         | 1,774.02     |               | \$ 01.02                     |
| 0921300        | Computer Services Expenses           | 325,391.27        | -<br>49.19    | 325,440.46   |               | \$ 49.19                     |
| U32 14UU       | Computer Services Expenses           | 325,391.27        | 49.19         |              |               | •                            |
| 0921540        | Computer Rent (Go Only)              | 529,640.42        |               | 529,640.42   |               | \$ -                         |

| Account Number     | Account Name                         | Non Labor Charges   | Labor Charges    | Total TN O&M     | STIP & LTIP   | Total TN Labor incl Incentive  |
|--------------------|--------------------------------------|---------------------|------------------|------------------|---------------|--|
| 0921600            | Other                                | 5,230.65            | -                | 5,230.65         |               | \$ -   |
| 0921900            | Office Supply And Exp-Partner        | 72.29               | -                | 72.29            |               | \$ -   |
| 0921980            | Office Supplies & Expenses           | 2,298,862.43        | 49.48            | 2,298,911.90     |               | \$ 49.48   |
| 0922000            | Admin Exp Transfer                   | 250.51              | 40.48            | 291.00           | 4.65          | \$ 45.13   |
| 0923000            | Outside Services Employed            | 3,109,895.17        | 726.82           | 3,110,621.99     |               | \$ 726.82  |
| 0923100            | Outside Svcs Cont -Proj Supt -       | 142.52              | -                | 142.52           |               | \$ -   |
| 0923980            | Outside Services Employee &          | 32,986.78           | -                | 32,986.78        |               | \$ -   |
| 0924000            | Property Insurance                   | 2,172.10            | -                | 2,172.10         |               | \$ -   |
| 0924050            | Inter-Co Prop Ins Exp                | 35,842.49           | -                | 35,842.49        |               | \$   |
| 0924980            | Property Insurance For Corp.         | 127,618.38          | -                | 127,618.38       |               | \$   |
| 0925000            | Injuries & Damages                   | 369,723.31          | -                | 369,723.31       |               | \$   |
| 0925051            | INTER-CO GEN LIAB EXP                | 232,273.70          | -                | 232,273.70       |               | \$   |
| 0925100            | Accrued Inj And Damages              | 57.16               | -                | 57.16            |               | \$   |
| 0925200            | Injuries And Damages-Other           | 1,662.91            | 3,509.22         | 5,172.13         | 397.94        | \$ 3,907.16  |
| 0925980            | Injuries And Damages For Corp.       | 13,682.23           | -                | 13,682.23        | 557.51        | \$ -   |
| 0926000            | Employee Benefits                    | 10,366,238.25       | 2,130.61         | 10,368,368.86    | 1,776.52      | \$ 3.907.13  |
| 0926600            | Employee Benefits-Transferred        | (1,590,491.41)      | 0.33             | (1,590,491.07)   | 1,770.52      | \$ 0.33  |
| 0926999            | Non Serv Pension (ASU 2017-07)       | (2,671,554.12)      | 0.55             | (2,671,554.12)   |               | ¢ 0.55   |
| 0928000            | Regulatory Expenses (Go)             | 456,524.38          | -                | 456,524.38       |               | Ф<br>Ф   |
| 0928014            | Regulatory Commission Expenses       | 946,005.22          | -                | 946,005.22       |               | Ф<br>Ф   |
|                    | 0 ,                                  | •                   | 2.261.25         | ,                |               | φ -<br>• 0.061.0E  |
| 0928052<br>0928053 | Employee Benefits<br>Travel Expenses | 2,878.10            | 2,261.25         | 5,139.35         |               | \$ 2,261.25  |
|                    |                                      | (55.30)             | -                | (55.30)          | 405.04        | <b>5</b>   |
| 0930150            | Miscellaneous Advertising Exp        | 54,834.29           | 2,300.90         | 57,135.19        | 425.34        |  |
| 0930200            | Misc General Expenses                | (429,960.10)        | 630,630.67       | 200,670.57       | 39,000.82     | · ·  |
| 0930220            | Exp Of Servicing Securities          | 9,607.92            | -                | 9,607.92         |               | \$ -   |
| 0930230            | Dues To Various Organizations        | 5,558.95            | -                | 5,558.95         |               | \$ -   |
| 0930240            | Director'S Expenses                  | 48,343.90           | -                | 48,343.90        | 21,024.85     | \$ 21,024.85   |
| 0930250            | Buy\Sell Transf Employee Homes       | 10,768.28           | <del>-</del>     | 10,768.28        |               | \$ -   |
| 0930700            | Research & Development               | 488.38              | 248.74           | 737.12           | 28.61         | •  |
| 0930940            | General Expenses                     | 594,202.18          | 17.47            | 594,219.66       | 2.01          | \$ 19.48   |
| 0931001            | Rents-A&G                            | 1,492,511.51        | -                | 1,492,511.51     |               | \$ -   |
| 0931003            | Lease Amortization Expense           | (30,709.85)         | -                | (30,709.85)      |               | \$ -   |
| 0931008            | A&G Rents-IC                         | 528,646.41          | -                | 528,646.41       |               | \$ -   |
| 0932000            | Maintenance Of Gen Plant-Gas         | 14,921.35           | 13,537.92        | 28,459.27        | 1,409.59      | \$ 14,947.51   |
| 0935100            | Maint General Plant-Elec             | 5,347.58            | -                | 5,347.58         |               | \$ -   |
| 0935200            | Cust Infor & Computer Control        | (768.44)            | -                | (768.44)         |               | \$   |
| Total TN O&M       |                                      | \$ 35,965,021.73 \$ | 17,683,216.46 \$ | 53,648,238.19 \$ | 2,735,851.91  | \$ 20,419,068.37   |
|                    | T&D Exp                              | 11,639,755.66       | 10,507,553.48    | 22,147,309.13    | 590,420.13    | \$ 11,097,973.60   |
|                    | T&D Exp check                        |                     |                  | 22,147,309.13    |               | \$ 11,097,973.60   |
|                    | Customer Exp                         | 1,632,247.04        | 1,595,511.05     | 3,227,758.09     | 178,511.13    |  |
|                    | Customer Exp check                   | , ,                 | ,,-              | 3,227,758.00     | -,-           | \$ (1,774,022.18)  |
|                    | Uncollectible                        | 1,653,062.55        | 557,370.27       | 2,210,432.81     | 66,062.95     |  |
|                    | Uncollectible check                  | 1,000,002.00        | 00.,0.0.2.       | 2,210,433.00     | 00,002.00     | \$ (623,433.00)  |
|                    | Sales Expense                        | 415,896.22          | 649,936.94       | 1,065,833.16     | 89,381.50     | The state of the s |
|                    | Sales Expense check                  | 10,000.22           | 0.10,000.04      | 1,065,833.00     | 33,301.30     | \$ (739,318.00)  |
|                    | A&G Expense                          | 20,624,060.27       | 4,372,844.73     | 24,996,905.00    | 1,811,476.20  | 6,184,320.93   |
|                    | A&G Expense check                    | 20,024,000.27       | 4,072,044.73     | 24,996,905.00    | 1,011,470.20  | \$ 14,234,746.78   |
|                    | Total                                | 35,965,021.73       | 17,683,216.46    | 53,648,238.19    | 2,735,851.91  | 14,145,522.00  |
|                    | i Utal                               | 33,903,021.73       | 53,648,238.19    | 53,648,238.00    | 2,730,001.91  | 14, 140,322.00   |
|                    |                                      |                     | 53,040,230.19    | 53,040,230.00    | 20 440 000 27 | ¢.   |
|                    |                                      |                     |                  |                  | 20,419,068.37 | φ -  |

|                    |  | 5         | S&W/Incentive                |         | Per Books (Adjusted     | Accting/Ratemaking |         | Per Books              |         | Total TN O&M               | Attrition Peri                |       |
|--------------------|--|-----------|------------------------------|---------|-------------------------|--------------------|---------|------------------------|---------|----------------------------|-------------------------------|-------|
| Account Number     | Account Name   |           | Adjustment                   |         | for S&W Adj Only)       | Adjustments        |         | As Adjusted            | IE      | ess labor & incent         | Allocated per<br>Composite Fa |       |
| 0735000            | Gas Misc Production Exp                                      | \$        | (6,448.72)                   | Ф       | 76,347.58               |                    | \$      | 76,347.58              | \$      | col e - col g<br>76,347.58 | Composite ra                  | ICIOI |
| 0807000            | Gas Purchased Expenses                                       | \$        | (215,745.88)                 |         | 115,893.07              |                    | \$      | 115,893.07             |         | 115,893.07                 |                               |       |
| 0840000            | Operation Supv & Eng-OSTG                                    | \$        |                              | \$      | (14,963.02)             |                    | \$      | (14,963.02)            |         | (14,963.02)                |                               |       |
| 0843500            | LNG Maint Liquefaction Equip                                 | \$        |                              | \$      | 26,059.24               |                    | \$      | 26,059.24              |         | 26,059.24                  |                               |       |
| 0843600            | LNG Maint Vaporization Equip                                 | \$        |                              | \$      | 5,510.15                |                    | \$      | 5,510.15               |         | 5,510.15                   |                               |       |
| 0843900            | LNG Maint Vaponization Equip                                 | \$        | (90.74)                      | -       | 11,518.79               |                    | \$      | 11,518.79              |         | 11,518.79                  |                               |       |
| 0844100            | LNG Ops Supv Eng Labor & Exp                                 | \$        | (221,551.03)                 |         | 43,643.79               |                    | \$      | 43,643.79              |         | 43,643.79                  |                               |       |
| 0846201            | LNG Operation Labor & Exp                                    | \$        | (651,358.41)                 |         | 481,512.87              |                    | \$      |                        | \$      | 481,512.87                 |                               |       |
| 0851000            | System Control & Load Dispatch                               | \$        | (338,231.47)                 |         | 136,048.60              |                    | \$      | 136,048.60             |         | 136,048.60                 |                               |       |
| 0853000            | Compressor Station Labor & Exp                               | \$        | (81,758.33)                  |         | 159,138.96              |                    | \$      | 159,138.96             |         | 159,138.96                 |                               |       |
| 0856001            | Mains Expenses   | \$        | (346.73)                     |         | 38,214.43               |                    | \$      | 38,214.43              |         | 38,214.43                  |                               |       |
| 0859000            | Other Expenses-Trans   | \$        | (39,691.15)                  |         | 14,569.16               |                    | \$      | 14,569.16              |         | 14,569.16                  |                               |       |
| 0861000            | Maintenance Supv & Eng-Tran                                  | \$        | (144,660.21)                 |         | 26,183.46               |                    | \$      | 26,183.46              |         | 26,183.46                  |                               |       |
| 0862000            | Maint Struct & Improve-Tran                                  | \$        | (38,746.22)                  |         | 10,727.13               |                    | \$      | 10,727.13              |         | 10,727.13                  |                               |       |
| 0863000            | Transm-Maint of Mains  | \$        | (190,095.37)                 |         | 2,460,316.32            |                    | \$      | 2,460,316.32           |         | 2,460,316.32               |                               |       |
| 0864000            | Maint Compressor Sta Eq-Tran                                 | \$        | (46,784.86)                  |         | 84,137.27               |                    | \$      |                        | \$      | 84,137.27                  |                               |       |
| 0865000            | Maint Of M & R Station Eq-Tran                               | э<br>\$   | (32,756.06)                  |         | 14,460.92               |                    | Ф<br>\$ | 14,460.92              |         | 14,460.92                  |                               |       |
| 0870000            | Distribution Sys Ops-Supv/Eng                                | \$        | (201,145.04)                 |         | 40,047.38               |                    | \$      |                        | \$      | 40,047.38                  |                               |       |
| 0871000            | Distribution Sys Ops-Supv/Eng Distribution Load Dispatching  | э<br>\$   | (201,145.04)                 |         | 92,812.08               |                    | э<br>\$ |                        | Ф<br>\$ | 92,812.08                  |                               |       |
| 0874000            | Mains And Services   | \$        | (750,018.17)                 |         | 3,334,500.40            |                    | \$      |                        | \$      | 3,334,500.40               |                               |       |
| 0875000            | Measuring And Reg Stations-Ge                                | э<br>\$   | (10,417.16)                  |         | 3,334,500.40            |                    | \$      |                        | \$      | 31,296.17                  |                               |       |
| 0878000            | Meter And House Regulator Exp                                | \$        | (2,054,735.16)               |         | 410,824.01              |                    | \$      | 410,824.01             |         | 410,824.01                 |                               |       |
| 0879000            | Customer Installation Expense                                | \$        | (1,217,949.68)               |         | 246,707.24              |                    | \$      | 246,707.24             |         | 246,707.24                 |                               |       |
| 0880000            | Gas Distribution-Other Expense                               | э<br>\$   | (1,091,962.31)               |         | 843,822.76              |                    | э<br>\$ | 843,822.76             |         | 843,822.76                 |                               |       |
| 0885000            | Maint Dist Sys Fac- Supv/Engr                                | \$        | (631,540.95)                 |         | 123,642.91              |                    | \$      |                        | \$      | 123,642.91                 | ¢ 10.6                        | 16.74 |
| 0887000            | Maintenance of Mains   | э<br>\$   |                              |         | 1,151,255.20            |                    | э<br>\$ | -,-                    | Ф<br>\$ | 1,151,255.20               | \$ 10,0                       | 10.74 |
|                    |  | \$        | (1,417,664.95)               |         | , ,                     |                    | \$      | 276,204.66             |         | , ,                        |                               |       |
| 0889000<br>0889001 | Maint-Meas/Reg Stn Equip-Gas<br>Maint CNG Fuel Stations-Dist | э<br>\$   | (663,225.92)<br>(101,580.08) |         | 276,204.66<br>91,353.46 |                    | э<br>\$ | 91,353.46              |         | 276,204.66<br>91,353.46    |                               |       |
| 0890000            | Maint - Meas/Reg Stn Eq-Indus                                | э<br>\$   | (16,097.31)                  |         | 7,111.84                |                    | э<br>\$ |                        | э<br>\$ | 7,111.84                   |                               |       |
| 0891000            | Maint M&R equip City Gate                                    | \$        | (445.44)                     |         | 109.57                  |                    | \$      | 109.57                 |         | 109.57                     |                               |       |
| 0892000            | Maintenance of Services                                      | э<br>\$   | (107,734.91)                 |         | 537,208.22              |                    | э<br>\$ |                        | э<br>\$ | 537,208.22                 |                               |       |
| 0893000            | Maint - Meters And House Reg                                 | \$        | (819,965.66)                 |         | 175.860.68              |                    | \$      | 175.860.68             |         | 175.860.68                 |                               |       |
| 0894000            | Maint-Other Distribution Equip                               | \$        | (5,434.90)                   |         | (2,739.75)              |                    | \$      | (2,739.75)             |         | (2,739.75)                 |                               |       |
|                    |  | э<br>\$   |                              |         | ,                       |                    | э<br>\$ | 2,613.05               |         |                            |                               |       |
| 0901000<br>0902000 | Supervision-Cust Accts Meter Reading Expense                 | э<br>\$   | (21,889.41)<br>(167,330.22)  |         | 2,613.05<br>6,548.84    |                    | Ф<br>\$ | 6,548.84               |         | 2,613.05<br>6,548.84       |                               |       |
| 0903000            | Cust Records & Collection Exp                                | э<br>\$   | (279,650.28)                 |         | 19,090.69               |                    | э<br>\$ | 19,090.69              |         | 19,090.69                  |                               |       |
| 0903100            | Cust Contracts & Orders-Local                                | \$        |                              | \$      |                         | \$ (14,421.00)     | -       |                        | \$      | 549,506.36                 |                               |       |
| 0903200            | Cust Contracts & Orders-Local Cust Billing & Acct            | э<br>\$   | (728,180.91)                 |         | 758,484.23              | \$ (14,421.00)     | Ф<br>\$ | 758,484.23             |         | 758,484.23                 |                               |       |
| 0903200            | Cust Collecting-Local  | Φ         | (623,433.00)                 |         | 1,586,999.81            | \$ (1,187,691.00)  | Ψ       | 399,308.81             |         | 1,586,999.60               |                               |       |
| 0905000            | Misc Customer Accts Expenses                                 | \$        |                              | \$      | 628.88                  | φ (1,107,091.00)   | Ф<br>\$ | 628.88                 |         | 628.88                     |                               |       |
| 0908000            | Cust Asst Exp-Conservation Pro                               | \$        |                              | \$      | 1,219.80                |                    | \$      | 1,219.80               |         | 1,219.80                   |                               |       |
| 0909650            | Misc Advertising Expenses                                    | э<br>\$   |                              | \$      | 1,219.60                |                    | Ф<br>\$ | 1,219.60               |         | 102,584.26                 | ¢ 21.7                        | 82.32 |
| 0910000            | Misc Cust Serv/Inform Exp                                    | \$        |                              | -       | 1,613.27                |                    | \$      | ,                      |         | ,                          | Φ 21,7                        | 02.32 |
| 0910100            | Exp-Rs Reg Prod/Svces-CstAccts                               | э<br>\$   | (11,080.17)<br>161.25        |         | (2,974.69)              |                    | Ф<br>\$ | 1,613.27<br>(2,974.69) |         | 1,613.27<br>(2,974.69)     |                               |       |
|                    |  | э<br>\$   |                              | Ф<br>\$ | 263,842.29              | \$ (61,365.00)     | -       | 202,477.29             |         | 202,477.66                 | ¢ 464                         | 15 50 |
| 0912000<br>0913001 | Demonstrating & Selling Exp Advertising Expense              | э<br>\$   |                              | \$      | 43,028.39               | \$ (61,365.00)     | э<br>\$ |                        | \$      | 43,028.39                  | <b>Ф</b> 40, I                | 15.50 |
|                    | <b>0</b> 1   | э<br>\$   |                              |         | 43,026.39<br>19,644.04  |                    | э<br>\$ | 19,644.04              |         |                            |                               |       |
| 0916000            | Misc Sales Expenses  | <b>\$</b> | (504,192.46)                 |         |                         | Φ (F0.200.02)      |         |                        |         | 19,644.04                  |                               |       |
| 0920000            | A & G Salaries   | ф         |                              | \$      | 20,419,068.70           | \$ (58,382.83)     |         | 20,360,685.87          |         | 851,565.04                 |                               |       |
| 0920100            | Salaries & Wages - Proj Supt -                               |           |                              | \$      | (40.53)                 |                    | \$      | (40.53)                |         | (40.53)                    |                               |       |
| 0921100            | Employee Expenses  |           |                              | \$      | 173,236.32              |                    | \$      | 173,236.32             |         | 173,236.32                 |                               |       |
| 0921101            | Employee Exp - NC  |           |                              | \$      | 108.13                  |                    | \$      | 108.13                 |         | 108.13                     |                               |       |
| 0921110            | Relocation Expenses  |           |                              | \$      | 207.57                  |                    | \$      | 207.57                 |         | 207.57                     |                               |       |
| 0921200            | Office Expenses  |           |                              | \$      | 951,043.68              |                    | \$      | ,                      | \$      | 950,962.06                 |                               |       |
| 0921300            | Telephone And Telegraph Exp                                  |           |                              | \$      | 1,774.02                |                    | \$      |                        | \$      | 1,774.02                   |                               |       |
| 0921400            | Computer Services Expenses                                   |           |                              | \$      | 325,440.46              |                    | \$      | 325,440.46             |         | 325,391.27                 |                               |       |
| 0921540            | Computer Rent (Go Only)                                      |           |                              | \$      | 529,640.42              |                    | \$      | 529,640.42             | \$      | 529,640.42                 |                               |       |

|                    |   | S&W/Incentive<br>Adjustment |             | Per Books (Adjusted for S&W Adj Only) | ŀ  | Accting/Ratemaking<br>Adjustments | Per Books<br>As Adjusted   | ŀ  | Total TN O&M<br>ess labor & incent | Attrition Period<br>Allocated per |
|--------------------|---|-----------------------------|-------------|---------------------------------------|----|-----------------------------------|--|----|------------------------------------|-----------------------------------|
| Account Number     | Account Name  |                             |             |                                       |    |                                   |  |    | col e - col g                      | Composite Factor                  |
| 0921600            | Other   |                             | \$          | 5,230.65                              |    |                                   | \$ 5,230.65  |    | 5,230.65                           |                                   |
| 0921900            | Office Supply And Exp-Partner                       |                             | \$          | 72.29                                 |    |                                   | \$ 72.29   |    | 72.29                              |                                   |
| 0921980            | Office Supplies & Expenses                          |                             | \$          | 2,298,911.90                          |    |                                   | \$ 2,298,911.90  |    | 2,298,862.43                       |                                   |
| 0922000            | Admin Exp Transfer                                  |                             | \$          | 291.00                                |    |                                   | \$ 291.00  |    | 245.86                             |                                   |
| 0923000            | Outside Services Employed                           |                             | \$          | 3,110,621.99                          |    |                                   | \$ 3,110,621.99  |    | 3,109,895.17                       |                                   |
| 0923100            | Outside Svcs Cont -Proj Supt -                      |                             | \$          | 142.52                                |    |                                   | \$ 142.52  |    | 142.52                             |                                   |
| 0923980            | Outside Services Employee &                         |                             | \$          | 32,986.78                             |    |                                   | \$ 32,986.78   |    | 32,986.78                          |                                   |
| 0924000            | Property Insurance                                  |                             | \$          | 2,172.10                              |    |                                   | \$ 2,172.10<br>\$ 35.842.49  |    | 2,172.10                           |                                   |
| 0924050            | Inter-Co Prop Ins Exp                               |                             | \$          | 35,842.49                             |    |                                   |  |    | 35,842.49                          |                                   |
| 0924980            | Property Insurance For Corp.                        |                             | \$          | 127,618.38                            |    |                                   |  |    | 127,618.38                         |                                   |
| 0925000            | Injuries & Damages                                  |                             | <b>\$</b>   | 369,723.31                            |    |                                   |  |    | 369,723.31                         |                                   |
| 0925051            | INTER-CO GEN LIAB EXP                               |                             | \$          | 232,273.70                            |    |                                   |  |    | 232,273.70                         |                                   |
| 0925100            | Accrued Inj And Damages                             | <b>(0.007.4</b>             | ω Φ         | 57.16                                 |    |                                   | •  |    | 57.16                              |                                   |
| 0925200            | Injuries And Damages-Other                          | \$ (3,907.1                 | 6) \$<br>\$ | 1,264.97                              |    |                                   | ų .,_o   |    | 1,264.97                           |                                   |
| 0925980            | Injuries And Damages For Corp.                      | <b>A</b> (0.000.4           | Ψ           | 13,682.23                             | •  |                                   | · · · · · · · · · · · · · · · · · · ·  |    | 13,682.23                          |                                   |
| 0926000            | Employee Benefits                                   | \$ (3,926.4                 | U) \$       | 10,364,442.46                         | \$ |                                   | \$ 11,883,801.46<br>\$ (1.590.491.07)  |    | 10,364,461.73                      |                                   |
| 0926600            | Employee Benefits-Transferred                       |                             | \$          | (1,590,491.07)                        |    |                                   | . , , ,  |    | (1,590,491.41)                     |                                   |
| 0926999            | Non Serv Pension (ASU 2017-07)                      |                             | \$<br>\$    | (2,671,554.12)                        |    |                                   | \$ (2,671,554.12)<br>\$ 456.524.38   |    | (2,671,554.12)                     |                                   |
| 0928000            | Regulatory Expenses (Go)                            |                             | \$<br>\$    | 456,524.38                            |    |                                   |  |    | 456,524.38                         |                                   |
| 0928014<br>0928052 | Regulatory Commission Expenses<br>Employee Benefits |                             | ф           | 946,005.22                            |    |                                   | ,  |    | 946,005.22                         |                                   |
| 0928052            | Travel Expenses                                     |                             | Φ           | 5,139.35                              |    |                                   | \$ 5,139.35<br>\$ (55.30)  |    | 2,878.10<br>(55.30)                |                                   |
| 0930150            | Miscellaneous Advertising Exp                       |                             | Φ           | (55.30)                               |    |                                   | (  |    | 54.408.95                          |                                   |
| 0930200            | Misc General Expenses                               | \$ 139,743.0                | ъ<br>0 \$   | 57,135.19<br>340,413.57               | œ. |                                   | \$ 57,135.19<br>\$ 339,429.30  |    | (468,960.92)                       |                                   |
| 0930200            | Exp Of Servicing Securities                         | φ 139,743.0                 | о ф<br>\$   | 9,607.92                              | Ф  |                                   | \$ 339,429.30<br>\$ 9,607.92   |    | 9,607.92                           |                                   |
| 0930220            | Dues To Various Organizations                       |                             | Ф<br>\$     | 5,558.95                              |    |                                   | \$ 5,558.95  |    | 5,558.95                           |                                   |
| 0930230            | Director'S Expenses                                 |                             | Ф<br>\$     | 48,343.90                             |    |                                   | \$ 48,343.90   |    | 27,319.05                          |                                   |
| 0930250            | Buy\Sell Transf Employee Homes                      |                             | Ф<br>\$     | 10,768.28                             |    |                                   | \$ 46,343.90<br>\$ 10,768.28   |    | 10,768.28                          |                                   |
| 0930700            | Research & Development                              |                             | \$          | 737.12                                |    |                                   | \$ 737.12  |    | 459.77                             |                                   |
| 0930940            | General Expenses                                    |                             | \$          | 594,219.66                            |    |                                   | \$ 594,219.66  |    | 594,200.17                         |                                   |
| 0931001            | Rents-A&G   |                             | \$          | 1,492,511.51                          |    |                                   | \$ 1,492,511.51  |    | 1,492,511.51                       |                                   |
| 0931003            | Lease Amortization Expense                          |                             | \$          | (30,709.85)                           |    |                                   | \$ (30,709.85)   |    | (30,709.85)                        |                                   |
| 0931008            | A&G Rents-IC  |                             | \$          | 528,646.41                            |    |                                   | \$ 528,646.41  |    | 528,646.41                         |                                   |
| 0932000            | Maintenance Of Gen Plant-Gas                        |                             | \$          | 28.459.27                             |    |                                   | \$ 28,459.27   |    | 13.511.76                          |                                   |
| 0935100            | Maint General Plant-Elec                            |                             | φ<br>\$     | 5,347.58                              |    |                                   | \$ 5,347.58  |    | 5,347.58                           |                                   |
| 0935200            | Cust Infor & Computer Control                       |                             | \$          | (768.44)                              |    |                                   | \$ (768.44)  |    | (768.44)                           |                                   |
| Total TN O&M       | oust mior a computer control                        | -                           | \$          |                                       |    |                                   | ψ (100.44)   | \$ | 33,153,383.98                      |                                   |
|                    | T&D Exp   | (11,097,973.6               | 0) \$       | 11,049,335.53                         | \$ | _                                 | \$ 11,049,335.53   | \$ | 11,049,335.53                      | \$ 10,616.74                      |
|                    | T&D Exp check                                       | (11,001,010.0               | υ, ψ        |                                       | \$ |                                   | \$ 11,049,335.40   | Ψ  | 11,010,000.00                      | Ψ 10,010.14                       |
|                    | Customer Exp  | (1,774,022.1                | 2 (8        | 1,453,735.91                          |    | (14,421.00)                       |  | \$ | 1,439,314.69                       | \$ 21,782.32                      |
|                    | Customer Exp check                                  | (1,11-1,022.1               | υ, Ψ<br>\$  |                                       | \$ | (14,421.00)                       |  | Ψ  | 1,100,011.00                       | Ψ 21,1 02.02                      |
|                    | Uncollectible                                       | (623,433.0                  | 2 (0        | 1,586,999.81                          |    | (1,187,691.00)                    |  | \$ | 1,586,999.60                       | \$ -                              |
|                    | Uncollectible check                                 | (020, 100.0                 | υ, Ψ<br>\$  | 1,587,000.00                          |    | (1,187,691.00)                    |  | Ψ  | 1,000,000.00                       | *                                 |
|                    | Sales Expense                                       | (739,318.4                  | 3) \$       | 326.514.72                            |    | (61,365.00)                       | · ·  | \$ | 265.150.10                         | \$ 46,115.50                      |
|                    | Sales Expense check                                 | (700,010.4                  | υ, Ψ<br>\$  | 326,515.00                            |    | (61,365.00)                       |  | Ψ  | 200,100.10                         | Ψ -10,110.00                      |
|                    | A&G Expense   | 14,234,747.2                | 2 \$        | 39,231,652.21                         |    | 1,459,991.90                      |  | \$ | 18,812,584.06                      | \$ -                              |
|                    | A&G Expense check                                   | 17,207,777.2                | - Ψ<br>\$   | , ,                                   | \$ | , ,                               | \$ 40,691,643.68   | Ψ  | 10,012,004.00                      | *                                 |
|                    | Total   | (0.0                        | 0) \$       | 53,648,238.19                         |    | 196,514.90                        | the state of the s | \$ | 33,153,383.98                      |                                   |
|                    |   | (0.0                        | \$          | 53,648,238.00                         |    | 196,514.90                        | . , ,  |    | 30,.00,000.00                      |                                   |

Piedmont Natural Gas Company Inc.
Tennessee Operations - Total O&M - by Account Number

For the Twelve Months Ended 3/31/2020 Multiplied by Attrition Period Multiply by Customer Growth Factor: Estimated Attrition Attrition Total Adjustments Growth Factor: compound In fac Period Adjustment Period S&W **Account Number Account Name** 79.894.69 \$ 3.547.11 \$ 79.894.69 \$ 3.547.11 6.254.14 0735000 Gas Misc Production Exp \$ 0807000 Gas Purchased Expenses 121.277.46 \$ 5.384.39 \$ 121.277.46 \$ 5.384.39 \$ 193.671.72 0840000 Operation Supv & Eng-OSTG (15,658.20) \$ (695.18) \$ (15,658.20) \$ (695.18)\$ (252.28)0843500 LNG Maint Liquefaction Equip 27,269.95 \$ 1,210.71 \$ 27,269.95 \$ 1,210.71 \$ 0843600 LNG Maint Vaporization Equip 5,766.15 \$ 256.00 \$ 5,766.15 256.00 \$ 0843900 LNG Maint Other Storage Equip 12,053.95 \$ 535.16 \$ 12,053.95 \$ 535.16 \$ 95.77 0844100 LNG Ops Supv Eng Labor & Exp 45,671.48 \$ 2,027.69 \$ 45,671.48 \$ 2,027.69 \$ 211,815.95 0846201 LNG Operation Labor & Exp 503,883.96 \$ 22,371.09 \$ 503,883.96 \$ 22,371.09 \$ 666,806.85 0851000 System Control & Load Dispatch 142.369.42 \$ 6.320.82 \$ 142.369.42 \$ 6.320.82 \$ 323.182.08 166,532.55 \$ \$ 0853000 Compressor Station Labor & Exp 166,532.55 \$ 7,393.60 \$ 7,393.60 78,239.77 Mains Expenses 39,989.88 \$ \$ 0856001 39,989.88 \$ 1,775.44 \$ 1,775.44 365.94 Other Expenses-Trans \$ 0859000 15.246.04 \$ 676.88 \$ 15.246.04 \$ 676.88 37.646.01 27,399.94 \$ 0861000 27,399.94 \$ 1,216.48 1,216.48 \$ 136,979.38 Maintenance Supv & Eng-Tran \$ 0862000 Maint Struct & Improve-Tran 11,225.51 498.38 11,225.51 \$ 498.38 \$ 37,043.75 \$ \$ 0863000 Transm-Maint of Mains 2.574.622.61 \$ 2.574.622.61 \$ 114.306.30 \$ 189.428.64 114.306.30 \$ 0864000 Maint Compressor Sta Eq-Tran 88.046.29 \$ 3.909.02 \$ 88.046.29 \$ 3.909.02 \$ 44.724.08 0865000 Maint Of M & R Station Eq-Tran 15.132.77 \$ 671.85 \$ 15,132.77 \$ 671.85 \$ 31.319.08 0870000 Distribution Sys Ops-Supv/Eng 41.907.98 \$ 1.860.60 \$ 41.907.98 \$ 1.860.60 \$ 205,846.88 0871000 Distribution Load Dispatching 97.124.13 \$ 4.312.05 \$ 97.124.13 \$ 4.312.05 \$ 31.48 3,489,421.28 \$ 154,920.89 \$ 754,349.32 0874000 Mains And Services 3.489.421.28 \$ 154.920.89 \$ 0875000 Measuring And Reg Stations-Ge 32,750.19 \$ 1,454.02 \$ 32,750.19 \$ 1,454.02 \$ 9,527.61 0878000 Meter And House Regulator Exp 429.910.89 \$ 19.086.88 \$ 429.910.89 \$ 19.086.88 \$ 2,105,742.62 0879000 Customer Installation Expense 258,169.26 \$ 11.462.02 \$ 258,169.26 \$ 11,462.02 \$ 1,243,849.54 0880000 Gas Distribution-Other Expense 883,026.77 \$ 39,204.01 \$ 883,026.77 \$ 39,204.01 \$ 1,059,217.49 0885000 Maint Dist Sys Fac- Supv/Engr 140,497.35 \$ 16,854.45 \$ 140,497.35 \$ 16,854.45 \$ 590,138.96 \$ 0887000 Maintenance of Mains 1,204,742.52 \$ 53,487.32 \$ 1,204,742.52 \$ 53,487.32 1,417,649.36 \$ 0889000 Maint-Meas/Reg Stn Equip-Gas 289,037.12 \$ 12,832.47 \$ 289,037.12 \$ 12,832.47 677.335.53 Maint CNG Fuel Stations-Dist 4,244.28 \$ 95,597.74 \$ 4,244.28 \$ 95,220.13 0889001 95,597.74 \$ 7,442.26 \$ 330.42 \$ 7,442.26 \$ 330.42 \$ 15,389.64 0890000 Maint - Meas/Reg Stn Eq-Indus 0891000 Maint M&R equip City Gate 114.66 \$ 5.09 \$ 114.66 \$ 5.09 \$ 456.61 0892000 Maintenance of Services 562,166.91 \$ 24,958.69 \$ 562,166.91 \$ 24,958.69 \$ 111,635.34 0893000 Maint - Meters And House Reg 184,031.17 \$ 8,170.49 \$ 184,031.17 \$ 8,170.49 \$ 840,424.67 0894000 Maint-Other Distribution Equip (2.867.04) \$ (127.29) \$ (2.867.04) \$ (127.29)\$ 5.570.01 0901000 Supervision-Cust Accts 2.823.38 \$ 210.33 \$ 2.823.38 \$ 210.33 \$ 20.684.46 0902000 Meter Reading Expense 7,075.97 \$ 527.13 \$ 7,075.97 \$ 527.13 \$ 167,483.86 0903000 Cust Records & Collection Exp 20,627.34 \$ 1.536.65 \$ 20,627.34 \$ 1.536.65 \$ 267.570.44 0903100 Cust Contracts & Orders-Local 593.737.18 \$ 44.230.83 \$ 593.737.40 29.809.83 \$ 531.297.04 819,536.09 \$ 61,051.86 \$ 819,536.09 \$ 61,051.86 \$ 686,442.10 0903200 Cust Billing & Acct 0903300 Cust Collecting-Local 12.045.00 \$ 411,353.81 \$ (1,175,646.00)\$ 588,250.39 0905000 Misc Customer Accts Expenses 679.50 \$ 50.62 \$ 679.50 \$ 50.62 \$ 0908000 Cust Asst Exp-Conservation Pro 1.317.99 \$ 98.18 \$ 1,317.99 \$ 98.18 \$ 0909650 Misc Advertising Expenses 134,377.09 \$ 31,792.83 \$ 134,377.09 \$ 31,792.83 \$ 0910000 Misc Cust Serv/Inform Exp 1,743.13 \$ 129.86 \$ 1,743.13 \$ 129.86 \$ 10,582.85 0910100 Exp-Rs Reg Prod/Svces-CstAccts (3,214.13) \$ (239.44) \$ (3,214.13) \$ (239.44)\$ (153.20)Demonstrating & Selling Exp 268,602.91 \$ 66,125.25 \$ 268,602.53 \$ 4,760.25 \$ 208,817.53 0912000 3,463.44 \$ Advertising Expense 46,491.83 \$ 46,491.83 \$ 3,463.44 \$ 273.32 0913001 1,581.19 \$ \$ 0916000 Misc Sales Expenses 21,225.23 \$ 21.225.23 \$ 1,581.19 476,854.70 20,993,990.91 \$ A & G Salaries 633.305.05 \$ 574,922.22 \$ 3,861,549.04 0920000 0920100 Salaries & Wages - Proj Supt -\$ (40.53) \$ \$ 0921100 **Employee Expenses** \$ 173,236.32 \$ \$ 0921101 Employee Exp - NC \$ 108.13 \$ \$ 0921110 Relocation Expenses \$ 207.57 \$ \$ 86.15 0921200 Office Expenses \$ 951,043.68 \$ \$ \$ 1,774.02 \$ 0921300 Telephone And Telegraph Exp. Computer Services Expenses \$ 325.440.46 \$ 51.92 0921400 529,640.42 \$ \$ 0921540 Computer Rent (Go Only)

Sales Growth Factor

Piedmont Natural Gas Company Inc.
Tennessee Operations - Total O&M - by Account Number
For the Twelve Months Ended 3/31/2020 Sales Growth Factor 1.032521 Multiplied by
Multiply by Customer Growth Factor: Estimated Attrition Attrition Total Attrition Period

|                |                                | Multiply by Customer<br>Growth Factor: | Growth Factor:             | Estimated Attrition Period Adjustment | Attrition<br>Period | Total<br>Adjustments |    | Attrition Period<br>S&W |
|----------------|--------------------------------|--|----------------------------|---------------------------------------|---------------------|----------------------|----|-------------------------|
| Account Number | Account Name                   | 1.032521                               | compound In fac<br>1.04646 | Period Adjustifient                   | Penou               | Adjustments          |    | <b>3</b> ανν            |
| 0921600        | Other                          | 1.032321                               | 1.04040                    | \$                                    | 5,230.65 \$         |                      | \$ |                         |
| 0921900        | Office Supply And Exp-Partner  |  |                            | \$                                    | 72.29 \$            |                      | \$ | _                       |
| 0921980        | Office Supplies & Expenses     |  |                            | Ψ<br>\$                               | 2,298,911.90 \$     |                      | \$ | 52.22                   |
| 0922000        | Admin Exp Transfer             |  |                            | \$                                    | 291.00 \$           |                      | \$ | 42.73                   |
| 0923000        | Outside Services Employed      |  |                            | 100,000.00 \$                         | 3,210,621.99 \$     |                      | \$ | 767.09                  |
| 0923100        | Outside Svcs Cont -Proj Supt - |  |                            | \$                                    | 142.52 \$           |                      | \$ | -                       |
| 0923980        | Outside Services Employee &    |  |                            | \$                                    | 32,986.78 \$        |                      | \$ | -                       |
| 0924000        | Property Insurance             |  |                            | \$                                    | 2,172.10 \$         |                      | \$ | -                       |
| 0924050        | Inter-Co Prop Ins Exp          |  |                            | \$                                    | 35,842.49 \$        |                      | \$ | -                       |
| 0924980        | Property Insurance For Corp.   |  |                            | \$                                    | 127,618.38 \$       |                      | \$ | =                       |
| 0925000        | Injuries & Damages             |  |                            | \$                                    | 369,723.31 \$       |                      | \$ | -                       |
| 0925051        | INTER-CO GEN LIAB EXP          |  |                            | \$                                    | 232,273.70 \$       |                      | \$ | =                       |
| 0925100        | Accrued Inj And Damages        |  |                            | \$                                    | 57.16 \$            |                      | \$ | -                       |
| 0925200        | Injuries And Damages-Other     |  |                            | 15,129.00 \$                          | 16,393.97 \$        | 15,129.00            | \$ | 3,703.64                |
| 0925980        | Injuries And Damages For Corp. |  |                            | \$                                    | 13,682.23 \$        |                      | \$ | · -                     |
| 0926000        | Employee Benefits              |  |                            | 103,609.00 \$                         | 11,987,410.46 \$    | 1,622,968.00         | \$ | 2,248.66                |
| 0926600        | Employee Benefits-Transferred  |  |                            | \$                                    | (1,590,491.07) \$   |                      | \$ | 0.35                    |
| 0926999        | Non Serv Pension (ASU 2017-07) |  |                            | \$                                    | (2,671,554.12) \$   |                      | \$ | =                       |
| 0928000        | Regulatory Expenses (Go)       |  |                            | \$                                    | 456,524.38 \$       |                      | \$ | -                       |
| 0928014        | Regulatory Commission Expenses |  |                            | 1,195,550.00 \$                       | 2,141,555.22 \$     | 1,195,550.00         | \$ | -                       |
| 0928052        | Employee Benefits              |  |                            | \$                                    | 5,139.35 \$         |                      | \$ | 2,386.53                |
| 0928053        | Travel Expenses                |  |                            | \$                                    | (55.30) \$          | -                    | \$ | -                       |
| 0930150        | Miscellaneous Advertising Exp  |  |                            | \$                                    | 57,135.19 \$        | -                    | \$ | 2,428.38                |
| 0930200        | Misc General Expenses          |  |                            | 483,392.00 \$                         | 822,821.30 \$       | 482,407.73           | \$ | 665,569.66              |
| 0930220        | Exp Of Servicing Securities    |  |                            | \$                                    | 9,607.92 \$         | -                    | \$ | -                       |
| 0930230        | Dues To Various Organizations  |  |                            | \$                                    | 5,558.95 \$         | -                    | \$ | -                       |
| 0930240        | Director'S Expenses            |  |                            | \$                                    | 48,343.90 \$        | -                    | \$ | -                       |
| 0930250        | Buy\Sell Transf Employee Homes |  |                            | \$                                    | 10,768.28 \$        |                      | \$ | -                       |
| 0930700        | Research & Development         |  |                            | \$                                    | 737.12 \$           |                      | \$ | 262.52                  |
| 0930940        | General Expenses               |  |                            | \$                                    | 594,219.66 \$       |                      | \$ | 18.44                   |
| 0931001        | Rents-A&G                      |  |                            | 239,858.00 \$                         | 1,732,369.51 \$     | •                    | \$ | -                       |
| 0931003        | Lease Amortization Expense     |  |                            | \$                                    | (30,709.85) \$      |                      | \$ | -                       |
| 0931008        | A&G Rents-IC                   |  |                            | \$                                    | 528,646.41 \$       |                      | \$ | -                       |
| 0932000        | Maintenance Of Gen Plant-Gas   |  |                            | \$                                    | 28,459.27 \$        |                      | \$ | 14,287.97               |
| 0935100        | Maint General Plant-Elec       |  |                            | \$                                    | 5,347.58 \$         |                      | \$ | -                       |
| 0935200        | Cust Infor & Computer Control  |  |                            | <u>\$</u>                             | (768.44) \$         | <u> </u>             | \$ | -                       |
| Total TN O&M   |                                |  |                            |                                       |                     |                      |    |                         |
|                | T&D Exp                        |  |                            | 524,462.13 \$                         | 11,573,797.66 \$    | 524,462.13           | \$ | 11,089,706.08           |
|                | T&D Exp check                  |  |                            | 524,462.13 \$                         | 11,573,798.00       |                      |    |                         |
|                | Customer Exp                   | \$ (14,421.22)                         |                            | 139,388.83 \$                         | 1,578,703.74 \$     | 124,967.83           | \$ | 1,683,907.55            |
|                | Customer Exp check             |  |                            | 139,388.83 \$                         | 1,578,704.00        |                      |    |                         |
|                | Uncollectible                  |  |                            | 12,045.48 \$                          | 411,353.81 \$       | (1,175,646.00)       | \$ | 588,250.39              |
|                | Uncollectible check            |  |                            | 12,045.00 \$                          | 411,354.00          |                      | _  |                         |
|                | Sales Expense                  | \$ (61,364.63)                         |                            | 71,169.87 \$                          | 336,319.60 \$       | 9,804.87             | \$ | 685,945.55              |
|                | Sales Expense check            |  |                            | 71,170.00 \$                          | 336,320.00          | 1 000 001 05         | •  | 4 === 4==               |
|                | A&G Expense                    | -                                      |                            | 2,770,843.05 \$                       | 43,462,487.16 \$    | 4,230,834.95         | \$ | 4,553,455.28            |
|                | A&G Expense check              |  |                            | 2,770,843.05 \$                       | 43,462,486.73       | 0 744 400 75         | •  | 40.004.004.77           |
|                | Total                          |  |                            | 3,517,909.35 \$                       | 57,362,661.97 \$    | 3,714,423.78         | \$ | 18,601,264.86           |
|                |                                |  |                            | 3,517,909.83 \$                       | 57,362,662.73       |                      | \$ | 18,601,265.00           |

|                       |                                      | T                     | Labor                             | Labor                   | 5.540%                     | Amelia           |
|-----------------------|--------------------------------------|-----------------------|-----------------------------------|-------------------------|----------------------------|------------------|
| a a count Normalis an | Assessment Names                     |                       | Accting/Ratemaking<br>Adjustments | Per Books               | Attrition Period           | Attrition Period |
| 35000                 | Account Name Gas Misc Production Exp | Per Books<br>5,925.83 | Adjustments                       | As Adjusted<br>5,925.83 | Labor Adjustment<br>328.31 | Labor by Acct    |
|                       | •                                    | ,                     |                                   | ,                       |                            | 6,254.14         |
| 07000                 | Gas Purchased Expenses               | 183,504.95            |                                   | 183,504.95              | 10,166.77                  | 193,671.72       |
| 40000                 | Operation Supv & Eng-OSTG            | (239.04)              |                                   | (239.04)                | (13.24)                    | (252.28          |
| 43500                 | LNG Maint Liquefaction Equip         | -                     |                                   | -                       | -                          | -                |
| 43600                 | LNG Maint Vaporization Equip         |                       |                                   |                         | -                          | -                |
| 43900                 | LNG Maint Other Storage Equip        | 90.74                 |                                   | 90.74                   | 5.03                       | 95.77            |
| 44100                 | LNG Ops Supv Eng Labor & Exp         | 200,696.70            |                                   | 200,696.70              | 11,119.25                  | 211,815.95       |
| 46201                 | LNG Operation Labor & Exp            | 631,802.92            |                                   | 631,802.92              | 35,003.93                  | 666,806.85       |
| 51000                 | System Control & Load Dispatch       | 306,216.68            |                                   | 306,216.68              | 16,965.40                  | 323,182.08       |
| 53000                 | Compressor Station Labor & Exp       | 74,132.58             |                                   | 74,132.58               | 4,107.19                   | 78,239.77        |
| 56001                 | Mains Expenses                       | 346.73                |                                   | 346.73                  | 19.21                      | 365.94           |
| 59000                 | Other Expenses-Trans                 | 35,669.79             |                                   | 35,669.79               | 1,976.22                   | 37,646.01        |
| 61000                 | Maintenance Supv & Eng-Tran          | 129,788.67            |                                   | 129,788.67              | 7,190.71                   | 136,979.38       |
| 62000                 | Maint Struct & Improve-Tran          | 35,099.14             |                                   | 35,099.14               | 1,944.61                   | 37,043.75        |
| 63000                 | Transm-Maint of Mains                | 179,484.61            |                                   | 179,484.61              | 9,944.03                   | 189,428.64       |
| 64000                 | Maint Compressor Sta Eq-Tran         | 42,376.30             |                                   | 42,376.30               | 2,347.78                   | 44,724.08        |
| 55000                 | Maint Of M & R Station Eq-Tran       | 29,674.99             |                                   | 29,674.99               | 1,644.09                   | 31,319.08        |
| 70000                 | Distribution Sys Ops-Supv/Eng        | 195,040.98            |                                   | 195,040.98              | 10,805.90                  | 205,846.88       |
| 1000                  | Distribution Load Dispatching        | 29.83                 |                                   | 29.83                   | 1.65                       | 31.48            |
| 74000                 | Mains And Services                   | 714,749.86            |                                   | 714,749.86              | 39,599.46                  | 754,349.32       |
| 75000                 | Measuring And Reg Stations-Ge        | 9,027.46              |                                   | 9,027.46                | 500.15                     | 9,527.61         |
| 8000                  | Meter And House Regulator Exp        | 1,995,201.95          |                                   | 1,995,201.95            | 110,540.67                 | 2,105,742.62     |
| 9000                  | Customer Installation Expense        | 1,178,553.83          |                                   | 1,178,553.83            | 65,295.71                  | 1,243,849.54     |
| 0000                  | Gas Distribution-Other Expense       | 1,003,614.01          |                                   | 1,003,614.01            | 55,603.48                  | 1,059,217.49     |
| 5000                  | Maint Dist Sys Fac- Supv/Engr        | , ,                   |                                   |                         | 30.979.26                  |                  |
|                       | Maintenance of Mains                 | 559,159.70            |                                   | 559,159.70              | ,                          | 590,138.96       |
| 7000                  |                                      | 1,343,230.05          |                                   | 1,343,230.05            | 74,419.31                  | 1,417,649.36     |
| 9000                  | Maint-Meas/Reg Stn Equip-Gas         | 641,778.90            |                                   | 641,778.90              | 35,556.64                  | 677,335.53       |
| 9001                  | Maint CNG Fuel Stations-Dist         | 90,221.56             |                                   | 90,221.56               | 4,998.57                   | 95,220.13        |
| 0000                  | Maint - Meas/Reg Stn Eq-Indus        | 14,581.76             |                                   | 14,581.76               | 807.88                     | 15,389.64        |
| 1000                  | Maint M&R equip City Gate            | 432.64                |                                   | 432.64                  | 23.97                      | 456.61           |
| 2000                  | Maintenance of Services              | 105,775.06            |                                   | 105,775.06              | 5,860.28                   | 111,635.34       |
| 93000                 | Maint - Meters And House Reg         | 796,306.69            |                                   | 796,306.69              | 44,117.98                  | 840,424.67       |
| 94000                 | Maint-Other Distribution Equip       | 5,277.61              |                                   | 5,277.61                | 292.40                     | 5,570.01         |
| 01000                 | Supervision-Cust Accts               | 19,598.63             |                                   | 19,598.63               | 1,085.83                   | 20,684.46        |
| 2000                  | Meter Reading Expense                | 158,691.82            |                                   | 158,691.82              | 8,792.04                   | 167,483.86       |
| 3000                  | Cust Records & Collection Exp        | 253,524.37            |                                   | 253,524.37              | 14,046.07                  | 267,570.44       |
| 03100                 | Cust Contracts & Orders-Local        | 503,406.67            |                                   | 503,406.67              | 27,890.37                  | 531,297.04       |
| 03200                 | Cust Billing & Acct                  | 650,407.42            |                                   | 650,407.42              | 36,034.68                  | 686,442.10       |
| 03300                 | Cust Collecting-Local                | 557,370.27            |                                   | 557,370.27              | 30,880.12                  | 588,250.39       |
| 05000                 | Misc Customer Accts Expenses         | -                     |                                   | · -                     | · -                        | -                |
| 8000                  | Cust Asst Exp-Conservation Pro       | -                     |                                   | _                       | -                          | -                |
| 9650                  | Misc Advertising Expenses            | -                     |                                   | _                       | -                          | -                |
| 0000                  | Misc Cust Serv/Inform Exp            | 10,027.31             |                                   | 10,027.31               | 555.55                     | 10,582.85        |
| 10100                 | Exp-Rs Reg Prod/Svces-CstAccts       | (145.16)              |                                   | (145.16)                | (8.04)                     | (153.20          |
| 2000                  | Demonstrating & Selling Exp          | 197,855.68            |                                   | 197,855.68              | 10,961.85                  | 208,817.53       |
| 3001                  | Advertising Expense                  | 258.97                |                                   | 258.97                  | 14.35                      | 273.32           |
| 6000                  | Misc Sales Expenses                  | 451,822.28            |                                   | 451,822.28              | 25,032.42                  | 476,854.70       |
| 0000                  |                                      |                       | (EQ 422 46)                       |                         |                            |                  |
|                       | A & G Salaries                       | 3,717,260.01          | (58,422.46)                       | 3,658,837.55            | 202,711.49                 | 3,861,549.04     |
| 0100                  | Salaries & Wages - Proj Supt -       | -                     |                                   | -                       | -                          | -                |
| 21100                 | Employee Expenses                    | -                     |                                   | -                       | -                          | -                |
| 21101                 | Employee Exp - NC                    | -                     |                                   | -                       | -                          | -                |
| 21110                 | Relocation Expenses                  | =                     |                                   | -                       | -                          | =                |
| 21200                 | Office Expenses                      | 81.62                 |                                   | 81.62                   | 4.52                       | 86.15            |
| 21300                 | Telephone And Telegraph Exp          | -                     |                                   | -                       | -                          | -                |
| 1400                  | Computer Services Expenses           | 49.19                 |                                   | 49.19                   | 2.73                       | 51.92            |
| 1540                  | Computer Rent (Go Only)              | -                     |                                   | -                       | _                          | -                |

5.540%

### Piedmont Natural Gas Company Inc. Tennessee Operations - Total O&M - by Account Number For the Twelve Months Ended 3/31/2020

| Account Number          | Account Name                     | Test Period Labor<br>Per Books | Labor<br>Accting/Ratemaking<br>Adjustments | Labor<br>Per Books<br>As Adjusted | 5.540%<br>Attrition Period<br>Labor Adjustment | Attrition Period<br>Labor by Acct |
|-------------------------|----------------------------------|--------------------------------|--|-----------------------------------|--|-----------------------------------|
| 0921600                 | Other                            |                                | Aujustinents                               | -                                 | - Labor Aujustinient                           | -                                 |
| 0921900                 | Office Supply And Exp-Partner    | -                              |  | -                                 | -  | -                                 |
| 0921980                 | Office Supplies & Expenses       | 49.48                          |  | 49.48                             | 2.74   | 52.22                             |
| 0922000                 | Admin Exp Transfer               | 40.48                          |  | 40.48                             | 2.24   | 42.73                             |
| 0923000                 | Outside Services Employed        | 726.82                         |  | 726.82                            | 40.27  | 767.09                            |
| 0923100                 | Outside Svcs Cont -Proj Supt -   | -                              |  | -                                 | -  | -                                 |
| 0923980                 | Outside Services Employee &      | -                              |  | -                                 | -  | -                                 |
| 0924000                 | Property Insurance               | -                              |  | -                                 | -  | -                                 |
| 0924050                 | Inter-Co Prop Ins Exp            | -                              |  | -                                 | -  | -                                 |
| 0924980                 | Property Insurance For Corp.     | =                              |  | -                                 | -  | -                                 |
| 0925000                 | Injuries & Damages               | -                              |  | -                                 | -  | -                                 |
| 0925051                 | INTER-CO GEN LIAB EXP            | -                              |  | -                                 | -  | -                                 |
| 0925100                 | Accrued Inj And Damages          | -                              |  | -                                 | -  | -                                 |
| 0925200                 | Injuries And Damages-Other       | 3,509.22                       |  | 3,509.22                          | 194.42   | 3,703.64                          |
| 0925980                 | Injuries And Damages For Corp.   | -                              |  | -                                 | -  | -                                 |
| 0926000                 | Employee Benefits                | 2,130.61                       |  | 2,130.61                          | 118.04   | 2,248.66                          |
| 0926600                 | Employee Benefits-Transferred    | 0.33                           |  | 0.33                              | 0.02   | 0.35                              |
| 0926999                 | Non Serv Pension (ASU 2017-07)   | -                              |  | -                                 | -  | -                                 |
| 0928000                 | Regulatory Expenses (Go)         | -                              |  | -                                 | -  | -                                 |
| 0928014                 | Regulatory Commission Expenses   | -                              |  | -                                 | -  | -                                 |
| 0928052                 | Employee Benefits                | 2,261.25                       |  | 2,261.25                          | 125.28   | 2,386.53                          |
| 0928053                 | Travel Expenses                  | -                              |  | -                                 | -  | -                                 |
| 0930150                 | Miscellaneous Advertising Exp    | 2,300.90                       |  | 2,300.90                          | 127.48   | 2,428.38                          |
| 0930200                 | Misc General Expenses            | 630,630.67                     |  | 630,630.67                        | 34,938.99                                      | 665,569.66                        |
| 0930220                 | Exp Of Servicing Securities      | -                              |  | -                                 | -  | -                                 |
| 0930230                 | Dues To Various Organizations    | -                              |  | -                                 | -  | -                                 |
| 0930240                 | Director'S Expenses              | -                              |  | -                                 | -  | -                                 |
| 0930250                 | Buy\Sell Transf Employee Homes   |                                |  | -                                 | -  | -                                 |
| 0930700                 | Research & Development           | 248.74                         |  | 248.74                            | 13.78  | 262.52                            |
| 0930940                 | General Expenses                 | 17.47                          |  | 17.47                             | 0.97   | 18.44                             |
| 0931001                 | Rents-A&G                        | -                              |  | -                                 | -  | -                                 |
| 0931003                 | Lease Amortization Expense       | -                              |  | -                                 | -  | -                                 |
| 0931008                 | A&G Rents-IC                     | -                              |  | -                                 | -  | -                                 |
| 0932000                 | Maintenance Of Gen Plant-Gas     | 13,537.92                      |  | 13,537.92                         | 750.04   | 14,287.97                         |
| 0935100                 | Maint General Plant-Elec         | -                              |  | -                                 | -  | -                                 |
| 0935200<br>Total TN O&M | Cust Infor & Computer Control    | 17,683,216.46                  | (58,422.46)                                | 17,624,794.00                     | 976,470.86                                     | 18,601,264.86                     |
| TOTAL TIN OAIVI         | T0 D F                           | 17,003,210.40                  | (50,422.40)                                |                                   | 970,470.00                                     |                                   |
|                         | T&D Exp                          |                                |  | 17,624,794.00                     |  | 0.14                              |
|                         | T&D Exp check                    |                                |  | 0.00                              |  |                                   |
|                         | Customer Exp                     |                                |  |                                   |  |                                   |
|                         | Customer Exp check Uncollectible |                                |  |                                   |  |                                   |
|                         | Uncollectible check              |                                |  |                                   |  |                                   |
|                         | Sales Expense                    |                                |  |                                   |  |                                   |
|                         | Sales Expense check              |                                |  |                                   |  |                                   |
|                         | A&G Expense                      |                                |  |                                   |  |                                   |
|                         | A&G Expense check                |                                |  |                                   |  |                                   |
|                         | Total                            |                                |  |                                   |  |                                   |
|                         | ıvıdı                            |                                |  |                                   |  |                                   |

### **Piedmont Natural Gas Company TN**

Allocation of Fixed Pipeline Demand Charges on Proportional Responsibility Method
12 Months Ended Dec 31, 2021

|   | Residential<br>Service<br>Rate 301 | Small General<br>Service<br>Rate 302 | Medium<br>Service<br>Rate 352 | Large General<br>Service<br>Rate 303 | Firm Trans<br>Service<br>Rate 313 | Sales for<br>Resale<br>Rate 310 | Total        |
|---|------------------------------------|--------------------------------------|-------------------------------|--------------------------------------|-----------------------------------|---------------------------------|--------------|
| Proportional Allocation Factor          | 56.2095%                           | 24.1990%                             | 9.1510%                       | 3.0093%                              | 7.4179%                           | 0.0133%                         | 100.0000%    |
| Allocated Fixed Pipeline Charges 5-1-20 | \$10,155,601                       | \$4,372,137                          | \$1,653,353                   | \$543,696                            | \$1,340,225                       | \$2,407                         | \$18,067,420 |
| Demand Charge Revenues 3-31-20          | \$9,836,398                        | \$4,523,734                          | \$1,694,217                   | \$670,568                            | \$1,327,594                       | \$14,909                        | \$18,067,420 |
| Percent Increase (Decrease)             | 3.25%                              | -3.35%                               | -2.41%                        | -18.92%                              | 0.95%                             | -83.86%                         | 0.00%        |

### **Proportional Responsibility**

### **Pipeline Demand Cost Allocator**

The Proportional Responsibility Method is a capacity allocation procedure which considers the monthly variation in sales by customer class. Months with higher total usage are given more weight than lower usage months. The method was first developed by Gary H. Grainger of Wisconsin Public Service Corporation and published November 9, 1972 in *Public Utilities Fortnightly*.

The Proportional Responsibility ("PR") Method is used to allocate gas pipeline demand costs to customer classes. Each customer class is assigned the pipeline demand costs based upon the variation of usage across all twelve months of the test year In this manner, the PR method recognizes that the pipeline demand cost has some value each month throughout the year, though that value is greatly diminished in the summer months when system loads are much lower.

The following procedure describes the step-by-step calculation of the pipeline demand costs shown in the following workpapers:

- 1. List all firm sales by month by rate class.
- 2. Normalize monthly sales data by computing the ratio of each rate class's monthly sales to the total monthly sales.
- 3. Rank the monthly sales, using the rank of 1 for the peak sales month and the rank of 12 for the lowest sales month.
- 4. Calculate the "% of peak month" defined as the ratio of sales in each month relative to the sales in the peak month. The % of peak factor for the month ranked #1 would equal 100% and the ratio for each subsequent month ranked would be less than unity.
- 5. Develop individual weighting factors for the twelve months. For each month starting with the 12thranked month, calculate the difference in the nth ranked month's peak factor, as determined in step 4 above, and the n+1 ranked month's factor. Divide this difference by n and obtain the individual month's weighting factor. For n+1=13, use 0 percent as the month's peak factor. Thus, the individual monthly weighting factor for the 12thmonth is simply the peak factor for that month divided by 12.
- 6. Develop cumulative weighting factors for the twelve months starting with the 12thranked month and continuing to the first ranked month. The cumulative weighting factor is computed by adding the month's individual weighting factor to the n-1 month's cumulative weighting factor. Following this process, the sum of the cumulative weighting factor for all 12 months should equal 100%.
- 7. For each customer class, multiply the normalized sales factor for the customer class developed

in step 2 by the respective monthly cumulative weighting factor developed in step 6.

8. For each customer class, sum the twelve monthly proportionality factors, as determined in step 7 and use these percentages as the gas pipeline demand allocation factor.

### Piedmont Natural Gas Company TN TOTAL SENDOUT BY RATE CLASS BY RATE CLASS 12 Months Ended Dec 31, 2021

**CALENDAR MO SENDOUT - Therms** 

|       | Residential | Small General I | Medium General | Large General | Firm Trans | Sales for |   |               |             |
|-------|-------------|-----------------|----------------|---------------|------------|-----------|---|---------------|-------------|
|       | Service     | Service         | Service        | Service       | Service    | Resale    |   |               | TOTAL       |
| DATE  | Rate 301    | Rate 302        | Rate 352       | Rate 303      | Rate 313   | Rate 310  |   |               | SENDOUT     |
| NOV   | 16,056,890  | 6,758,888       | 2,560,116      | 1,031,747     | 2,202,938  | 5,075     |   |               | 28,615,654  |
| DEC   | 22,618,787  | 9,031,291       | 3,454,515      | 1,085,642     | 2,323,304  | 5,689     |   |               | 38,519,228  |
| JAN   | 25,742,578  | 10,131,925      | 3,888,184      | 1,125,535     | 2,388,217  | 6,090     |   |               | 43,282,528  |
| FEB   | 22,261,510  | 8,935,694       | 3,416,374      | 887,883       | 2,143,215  | 4,676     |   |               | 37,649,352  |
| MAR   | 14,948,811  | 6,419,336       | 2,427,180      | 609,896       | 1,817,881  | 2,191     |   |               | 26,225,294  |
| APR   | 8,395,724   | 4,170,798       | 1,545,795      | 491,877       | 1,606,701  | 775       |   |               | 16,211,669  |
| MAY   | 3,851,760   | 2,608,078       | 933,413        | 405,200       | 1,430,671  | 528       |   |               | 9,229,649   |
| JUN   | 2,313,314   | 2,077,322       | 725,990        | 381,684       | 1,339,966  | 595       |   |               | 6,838,872   |
| JUL   | 2,100,250   | 2,000,694       | 695,832        | 389,531       | 1,343,519  | 722       |   |               | 6,530,548   |
| AUG   | 2,117,811   | 2,004,441       | 696,451        | 391,114       | 1,306,054  | 766       |   |               | 6,516,638   |
| SEP   | 3,047,820   | 2,318,465       | 819,701        | 475,349       | 1,468,329  | 1,120     |   |               | 8,130,785   |
| ОСТ   | 8,040,963   | 4,017,840       | 1,485,301      | 799,057       | 1,932,314  | 3,225     |   |               | 16,278,699  |
| TOTAL | 131,496,220 | 60,474,772      | 22,648,852     | 8,074,514     | 21,303,108 | 31,451    | 0 | 0 244,028,917 | 244,028,917 |

### Piedmont Natural Gas Company TN

#### TOTAL FIRM SENDOUT BY RATE CLASS

**CALENDAR MO SENDOUT - Therms** 

12 Months Ended Dec 31, 2021

Small General Medium General Large General Residential Firm Trans Sales for 0 0 0 TOTAL Service Service Service Service Service Resale 0 DATE FIRM SENDOUT Rate 301 Rate 302 Rate 352 Rate 303 Rate 313 Rate 310 NOV 16.056.890 6.758.888 2.560.116 1.031.747 2.202.938 5.075 0 0 28.615.654 22,618,787 DEC 9,031,291 3,454,515 1,085,642 2,323,304 5.689 0 0 38,519,228 10,131,925 43,282,528 3,888,184 1,125,535 6,090 0 0 JAN 25,742,578 2,388,217 2,143,215 0 0 FEB 22,261,510 8,935,694 3,416,374 887,883 4,676 37,649,352 14,948,811 6,419,336 2,427,180 609,896 1,817,881 2,191 0 0 26,225,294 MAR 0 0 8,395,724 4,170,798 1,545,795 491,877 1,606,701 775 16,211,669 APR 528 0 0 3,851,760 2,608,078 933,413 405,200 1,430,671 9,229,649 MAY 0 0 2,077,322 725,990 381,684 1,339,966 595 JUN 2,313,314 6,838,872 0 JUL 2,100,250 2,000,694 695,832 389,531 1,343,519 722 0 6,530,548 AUG 2,117,811 2,004,441 696,451 391,114 1,306,054 766 0 0 6,516,638 475,349 0 0 SEP 3,047,820 2,318,465 819,701 1,468,329 1,120 8,130,785 0 0 ост 8,040,963 4,017,840 1,485,301 799,057 1,932,314 3,225 16,278,699 0 0 TOTAL 131,496,220 60,474,772 22,648,852 8,074,514 21,303,108 31,451 244,028,917

**Exhibit PMN-9-COS** 

Page 47 of 63

### Piedmont Natural Gas Company TN TOTAL SENDOUT BY RATE CLASS NORMALIZED 12 Months Ended Dec 31, 2021

CALENDAR MO SENDOUT - Therms

|       | Residential | Small General | Medium General | Large General | Firm Trans | Sales for | 0        | 0        |              |
|-------|-------------|---------------|----------------|---------------|------------|-----------|----------|----------|--------------|
|       | Service     | Service       | Service        | Service       | Service    | Resale    | 0        | 0        |              |
| DATE  | Rate 301    | Rate 302      | Rate 352       | Rate 303      | Rate 313   | Rate 310  | 0        | 0        | FIRM SENDOUT |
| NOV   | 0.561123    | 0.236195      | 0.089466       | 0.036055      | 0.076984   | 0.000177  | 0.000000 | 0.000000 | 1.000000     |
| DEC   | 0.587208    | 0.234462      | 0.089683       | 0.028184      | 0.060315   | 0.000148  | 0.000000 | 0.000000 | 1.000000     |
| JAN   | 0.594757    | 0.234088      | 0.089833       | 0.026004      | 0.055177   | 0.000141  | 0.000000 | 0.000000 | 1.000000     |
| FEB   | 0.591285    | 0.237340      | 0.090742       | 0.023583      | 0.056926   | 0.000124  | 0.000000 | 0.000000 | 1.000000     |
| MAR   | 0.570015    | 0.244776      | 0.092551       | 0.023256      | 0.069318   | 0.000084  | 0.000000 | 0.000000 | 1.000000     |
| APR   | 0.517882    | 0.257271      | 0.095351       | 0.030341      | 0.099108   | 0.000048  | 0.000000 | 0.000000 | 1.000000     |
| MAY   | 0.417325    | 0.282576      | 0.101132       | 0.043902      | 0.155008   | 0.000057  | 0.000000 | 0.000000 | 1.000000     |
| JUN   | 0.338260    | 0.303752      | 0.106156       | 0.055811      | 0.195934   | 0.000087  | 0.000000 | 0.000000 | 1.000000     |
| JUL   | 0.321604    | 0.306359      | 0.106550       | 0.059647      | 0.205728   | 0.000111  | 0.000000 | 0.000000 | 1.000000     |
| AUG   | 0.324985    | 0.307588      | 0.106873       | 0.060018      | 0.200418   | 0.000118  | 0.000000 | 0.000000 | 1.000000     |
| SEP   | 0.374849    | 0.285147      | 0.100815       | 0.058463      | 0.180589   | 0.000138  | 0.000000 | 0.000000 | 1.000000     |
| ОСТ   | 0.493956    | 0.246816      | 0.091242       | 0.049086      | 0.118702   | 0.000198  | 0.000000 | 0.000000 | 1.000000     |
| TOTAL | 0.538855    | 0.247818      | 0.092812       | 0.033088      | 0.087297   | 0.000129  | 0.000000 | 0.000000 | 1.000000     |

# Piedmont Natural Gas Company TN DEVELOPMENT OF PROPORTIONAL RESPONSIBILITY WEIGHTINGS

**CALENDAR MO SENDOUT - Therms** 

12 Months Ended Dec 31, 2021

|       | Total<br>Sendout | Ranking | Percent of<br>Peak Month | Next Ranked<br>Month | Next Ranked<br>Month<br>Percent of<br>Peak Month | Difference | Individual<br>Weighting<br>Factors |   | Cumulative<br>Weighting<br>Factors |           |      |
|-------|------------------|---------|--------------------------|----------------------|--|------------|------------------------------------|---|------------------------------------|-----------|------|
| DATE  |                  | •       |                          |                      |  |            |                                    |   |                                    |           |      |
|       |                  |         |                          |                      |  |            | weight ran                         | k | rank                               |           |      |
| NOV   | 28,615,654       | 4       | 66.1136%                 | 5                    | 60.5909%   | 5.5227%    | 1.3807%                            |   | 4 10.2849%                         | >=4 rank  |      |
| DEC   | 38,519,228       | 2       | 88.9949%                 | 3                    | 86.9851%   | 2.0098%    | 1.0049%                            |   | 2 18.2469% rank                    |           | >=2  |
| JAN   | 43,282,528       | 1       | 100.0000%                | 2                    | 88.9949%   | 11.0051%   | 11.0051%                           |   | 1 29.2521%                         | >=1 rank  |      |
| FEB   | 37,649,352       | 3       | 86.9851%                 | 4                    | 66.1136%   | 20.8715%   | 6.9572%                            |   | 3 17.2421% rank                    |           | >=3  |
| MAR   | 26,225,294       | 5       | 60.5909%                 | 6                    | 37.6103%   | 22.9806%   | 4.5961%                            |   | 5 8.9042%                          | >=5 rank  |      |
| APR   | 16,211,669       | 7       | 37.4555%                 | 8                    | 21.3242%   | 16.1313%   | 2.3045%                            |   | 7 4.2823% rank                     |           | >=7  |
| MAY   | 9,229,649        | 8       | 21.3242%                 | 9                    | 18.7854%   | 2.5388%    | 0.3174%                            |   | 8 1.9778%                          | >=8 rank  |      |
| JUN   | 6,838,872        | 10      | 15.8005%                 | 11                   | 15.0882%   | 0.7124%    | 0.0712%                            |   | 0 1.3288% rank                     |           | >=10 |
| JUL   | 6,530,548        | 11      | 15.0882%                 | 12                   | 15.0560%   | 0.0321%    | 0.0029%                            |   | 1 1.2576%                          | >=11 rank |      |
| AUG   | 6,516,638        | 12      | 15.0560%                 |                      | 0.0000%  | 15.0560%   | 1.2547%                            |   | 2 1.2547% rank                     |           | >=12 |
| SEP   | 8,130,785        | 9       | 18.7854%                 | 10                   | 15.8005%   | 2.9848%    | 0.3316%                            |   | 9 1.6605%                          | >=9 rank  |      |
| ост   | 16,278,699       | 6       | 37.6103%                 | 7                    | 37.4555%   | 0.1549%    | 0.0258%                            |   | 6 4.3081%                          |           | >=6  |
| TOTAL | 244,028,917      |         |                          |                      |  |            |                                    |   | 100.0000%                          |           |      |
|       | ========         |         |                          |                      |  |            |                                    |   | ========                           |           |      |

### Piedmont Natural Gas Company TN PROPORTIONAL RESPONSIBILITY ALLOCATION FACTORS

12 Months Ended Dec 31, 2021

**CALENDAR MO SENDOUT - Therms** 

|      | Residential | Small General | Medium General | Large General | Firm Trans | Sales for | 0         | 0         |              |
|------|-------------|---------------|----------------|---------------|------------|-----------|-----------|-----------|--------------|
|      | Service     | Service       | Service        | Service       | Service    | Resale    | 0         | 0         |              |
| DATE | Rate 301    | Rate 302      | Rate 352       | Rate 303      | Rate 313   | Rate 310  | 0         | 0         | FIRM SENDOUT |
| NOV  | 5.771092%   | 2.429248%     | 0.920145%      | 0.370825%     | 0.791770%  | 0.001824% | 0.000000% | 0.000000% | 10.284903%   |
| DEC  | 10.714743%  | 4.278212%     | 1.636438%      | 0.514279%     | 1.100572%  | 0.002695% | 0.000000% | 0.000000% | 18.246939%   |
| JAN  | 17.397870%  | 6.847563%     | 2.627791%      | 0.760682%     | 1.614053%  | 0.004116% | 0.000000% | 0.000000% | 29.252074%   |
| FEB  | 10.194977%  | 4.092229%     | 1.564577%      | 0.406619%     | 0.981516%  | 0.002142% | 0.000000% | 0.000000% | 17.242059%   |
| MAR  | 5.075545%   | 2.179546%     | 0.824096%      | 0.207077%     | 0.617222%  | 0.000744% | 0.000000% | 0.000000% | 8.904230%    |
| APR  | 2.217721%   | 1.101712%     | 0.408320%      | 0.129929%     | 0.424408%  | 0.000205% | 0.000000% | 0.000000% | 4.282295%    |
| MAY  | 0.825396%   | 0.558887%     | 0.200022%      | 0.086830%     | 0.306579%  | 0.000113% | 0.000000% | 0.000000% | 1.977828%    |
| JUN  | 0.449489%   | 0.403634%     | 0.141064%      | 0.074163%     | 0.260362%  | 0.000116% | 0.000000% | 0.000000% | 1.328827%    |
| JUL  | 0.404447%   | 0.385275%     | 0.133997%      | 0.075012%     | 0.258722%  | 0.000139% | 0.000000% | 0.000000% | 1.257592%    |
| AUG  | 0.407749%   | 0.385922%     | 0.134090%      | 0.075303%     | 0.251459%  | 0.000148% | 0.000000% | 0.000000% | 1.254671%    |
| SEP  | 0.622429%   | 0.473479%     | 0.167400%      | 0.097076%     | 0.299863%  | 0.000229% | 0.000000% | 0.000000% | 1.660476%    |
| ост  | 2.128015%   | 1.063308%     | 0.393080%      | 0.211468%     | 0.511381%  | 0.000853% | 0.000000% | 0.000000% | 4.308106%    |
|      | 56.209472%  |               | 9.151020%      | 3.009263%     | 7.417908%  | 0.013322% | 0.000000% | 0.000000% | 100.000000%  |



# The Proportional Responsibility Method of Capacity Cost Allocation

"Proportional responsibility," a new capacity cost allocation method, is designed to give a realistic and reasonable distribution of imbedded capacity costs, making it ideal for rate design purposes, rate of return determination, and support in rate cases. Other methods of capacity allocation, including their inherent fallacies, are also discussed.

### By GARY H. GRAINGER

HE importance of cost-of-service studies has long been recognized in the electric utility industry. This importance is evident when you consider the numerous uses that are made of these studies, as illustrated by the following list:

Uses of Cost-of-service Studies

- 1. Determination of rate of return by customer group.
  - 2. Rate design.
  - 3. Sales promotion policy.
- 4. Support in rate cases before regulatory authorities.
  - 5. Cost trends.
  - 6. Engineering policy.

In the preparation of these studies, the allocation of capacity costs is the most significant part of the study for two reasons. First, capacity costs are generally the largest individual segment of costs, and, second, there is no universally accepted method for allocating these costs.

The remainder of this article is devoted to reviewing some of the common methods of capacity allocation, including a discussion of their inherent fallacies and then the development of a new method of capacity cost allocation that I have chosen to call the proportional responsibility method.

To illustrate some of the more common methods

NOVEMBER 9, 1972—PUBLIC UTILITIES FORTNIGHTLY

of capacity allocation, assume the customer group load curves and the system load curve shown in Figure I (page 26). Table 1 (page 27) describes the characteristics of each of these customer group loads, and Table 2 (page 27) shows the results of the capacity allocations under various commonly used methods.

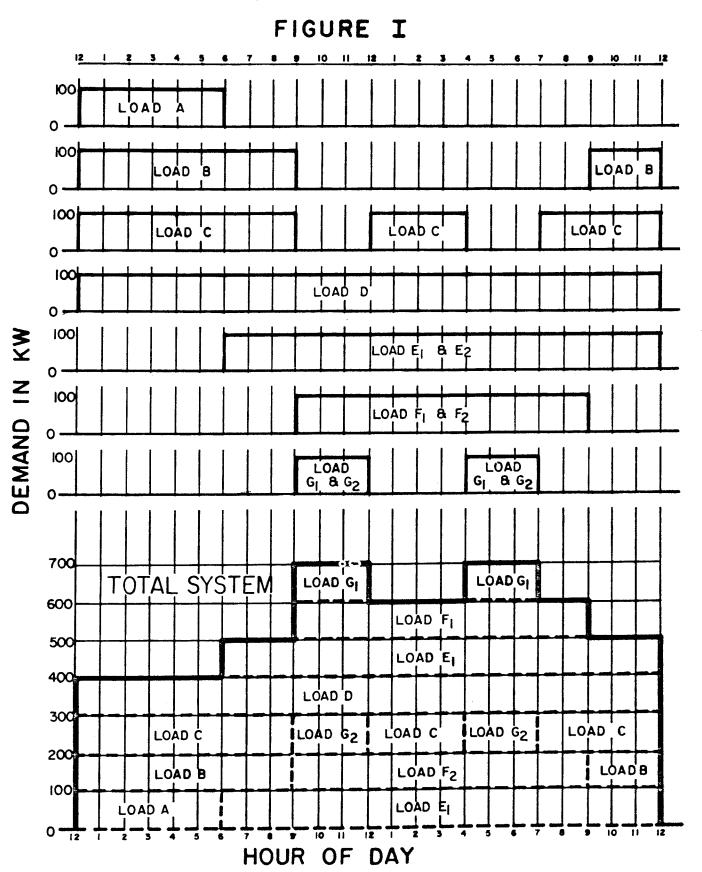
Before analyzing the results shown in Table 2, I would like to state briefly the principal criteria of capacity costs. Capacity costs are those created as a result of providing capacity for the customer's maximum demand. In other words, costs associated with property and plant having a specific design or size because of the maximum quantity of power used are considered capacity costs. They are not in any manner related to load factor.

Analyzing the results contained in Table 2 reveals the fallacies of the various methods:

I. Peak Responsibility—Allocates all capacity costs on the basis of the loads as they occur at the time of the system peak. This implies that no capacity is required to serve loads A, B, and C since they were not taking service at the time of the system peak. This is incorrect because even without loads D, E, F, and G, there would still be a need for 300 kilowatts of capacity for loads A, B, and C.

II. Noncoincident Peak—Allocates all capacity costs on the basis of the individual customer peaks irrespective of the time of occurrence. Table 2 shows that all loads receive an equal share of capacity costs. Referring to the total

system curve shown in Figure I, more capacity is needed to meet the six peak hours of 9 to 12 A.M. and 4 to 7 P.M. the high portion of 3 the day. Therefore, a larger portion of 3 the demand costs should be assigned to the loads



|                                |       | D. 101 F                |                        |                |                          |
|--------------------------------|-------|-------------------------|------------------------|----------------|--------------------------|
| Load                           | Kwh.  | Diversified<br>Peak Kw. | Coincident<br>Peak Kw. | Load<br>Factor | Load Characteristics Pag |
| A                              | 600   | 100                     | 0                      | 25%            | Nothing on System Peak   |
| В                              | 1,200 | 100                     | 0                      | 50%            | Nothing on System Peak   |
| C                              | 1,800 | 100                     | 0                      | 75%            | Nothing on System Peak   |
| D                              | 2,400 | 100                     | 100                    | 100%           | Entirely on System Peak  |
| $E_1 \& E_2$                   | 1,800 | 100                     | 100                    | 75%            | Entirely on System Peak  |
| $\mathbf{F}_1 \& \mathbf{F}_2$ | 1,200 | 100                     | 100                    | 50%            | Entirely on System Peak  |
| $G_1 \& G_2$                   | 600   | 100                     | 100                    | 25%            | Entirely on System Peak  |

creating the system peak; this is not being done.

- III. Average and Excess—The portion of facilities required to serve the average load is allocated on the basis of the average demands and the difference between the average loads and the maximum load, being the excess demand, is allocated on the basis of the noncoincident peak. The results are partially dependent on load factor, which, as stated earlier, has no bearing on demand costs.
- IV. Complete Peak—Manner of capacity cost allocation differs from other methods by putting onus on classes that exceed average demand during periods when system peaks go above average system load. This method is also partially dependent on load factor.

To the best of my knowledge, all currently published methods have somewhat similar fallacies. Recognizing that these fallacies must be overcome, the following method was developed:

Figure II (page 28) shows the same system load curve as in Figure I; the left-hand scale indicates the demand and the bottom scale indicates the hours of the day. On the right-hand scale, percentages are added. Looking at the demand of 400 kilowatts presenting 57.14 per cent of the peak, it is observed that this demand exists for the entire 24-hour period. Since 400 kilowatts represent 57.14 per cent of the peak, it similarly accounts for 57.14 per cent of the capacity costs. Dividing these capacity costs of 57.14 per cent equally to each of these hours (57.14%/24 Hrs.) results in each hour being respon-

sible for 2.38 per cent of the capacity costs. The next break in the load curve (500 kilowatts) is responsible for 14.29 per cent (71.43% - 57.14%) of the capacity costs; this demand is used eighteen hours a day, 6 a.m. to 12 p.m. By similar calculation, each hour is responsible for .79 per cent (14.29%/18 Hrs.) of the capacity costs. Moving up to the 600-kilowatt break, each hour from 9 a.m. to 9 p.m. is responsible for 1.19 per cent of the capacity costs. Finally, at 700 kilowatts, each of the hours from 9 a.m. to 12 a.m. and 4 p.m. to 7 p.m. is responsible for 2.38 per cent of the capacity costs.

By combining these hourly percentages, the six hours from 12 P.M. to 6 A.M. are each responsible for 2.38 per cent, the six hours, 6 A.M. to 9 A.M. and 9 P.M. to 12 P.M. are each responsible for 3.17 per cent (2.38% + .79%), the six hours 12 A.M. to 4 P.M. and 7 P.M. to 9 P.M. for 4.36 per cent (2.38% + .79% + 1.19%) and the six hours 9 A.M. to 12 A.M. and 4 P.M. to 6 P.M. for 6.74 per cent (2.38% + .79% + 1.19% + 2.38%).

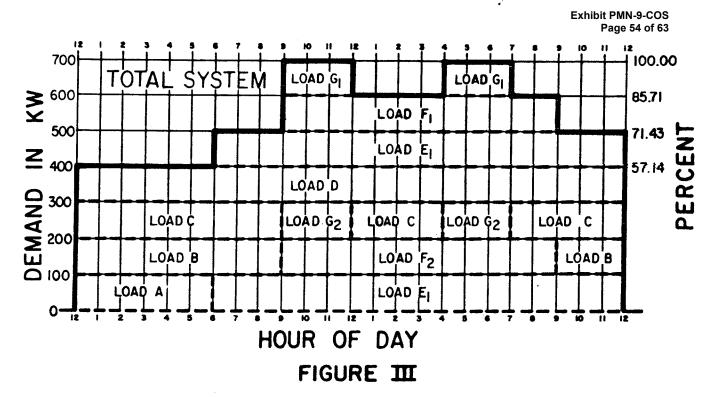
These hourly percentages, representing the distribution of the total capacity costs over the twenty-four hours of the day, establish a weighting system that will be used to distribute capacity costs to the various loads.

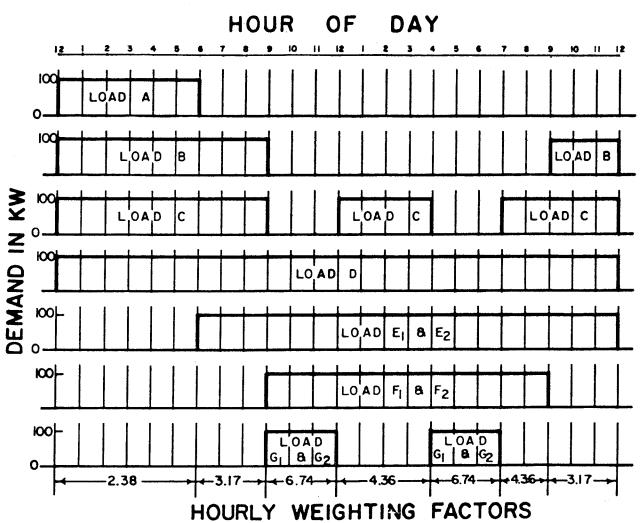
Figure III (page 28), showing the hourly weighting factors on the bottom scale, reveals that some loads have more than one weighting factor. For example, load D falls in all four weighting areas. It is appropriate that an individual load should be responsible for the maximum weighted demand. Applying this principle to Figure III, the weighted demands shown

TABLE 2

|                  | Meth<br>Ped<br>Respons | ık               | Metho<br>Noncoir<br>Pea | ıcident | Metho<br>Avera<br>Exce | ge & | Comple | od IV<br>ete Peak<br>Robison) |
|------------------|------------------------|------------------|-------------------------|---------|------------------------|------|--------|-------------------------------|
| Load             | Kw.                    | %                | Kw.                     | %       | Kw.                    | %    | Kw.    | . %                           |
| A                | 0                      |                  | 70                      | 10      | 50                     | 7    | 25     | 4                             |
| В                | 0                      |                  | 70                      | 10      | 67                     | 10   | 50     | 7                             |
| C                | 0                      |                  | 70                      | 10      | 83                     | 12   | 79     | 11                            |
| D                | 100                    | 14               | 70                      | 10      | 100                    | 13   | 100    | 14                            |
| $\mathbf{E_1}$   | 100                    | 14               | 70                      | 10      | 83                     | 12   | 89     | 13                            |
| $\mathbf{E}_{2}$ | 100                    | 14               | 70                      | 10      | 83                     | 12   | 89     | 13                            |
| $\mathbf{F_1}$   | 100                    | 14               | 70                      | 10      | 67                     | 10   | 78     | 11                            |
| $\mathbf{F_2}$   | 100                    | 14               | 70                      | 10      | 67                     | 10   | 78     | ii                            |
| $G_1$            | 100                    | 15               | 70                      | 10      | 50                     | 7    | 56     | 8                             |
| $G_2$            | 100                    | 15               | 70                      | 10      | 50                     | 7    | 56     | 8                             |
|                  | $\overline{700}$       | $\overline{100}$ | 700                     | 100     | 700                    | 100  | 700    | 100                           |

# FIGURE II





| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ |   |  |  |  | _  | XIIIDIL FIVIN-3-CC |
|--|---|--|--|--|--|--------------------|
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | Load  | Highest Hourly<br>Weighting Factor                   | Weighted Demand                                      | Percentage<br>Distribution                 |  | Page 55 of 6       |
| 100 /()()  | B<br>C<br>D<br>E <sub>1</sub><br>E <sub>2</sub><br>F <sub>1</sub><br>F <sub>2</sub> | 3.17<br>4.36<br>6.74<br>6.74<br>6.74<br>6.74<br>6.74 | 317<br>436<br>674<br>674<br>674<br>674<br>674<br>674 | 5<br>7<br>12<br>12<br>12<br>12<br>12<br>12 | 38<br>53<br>83<br>83<br>83<br>83<br>83<br>83 |                    |

in Table 3 above were determined. In the next to the last column, the percentage distribution of the total weighted demand is shown. These percentages represent the proportional distribution of the capacity costs. Applying these percentages to the total system demand of 700 kilowatts gives the demand allocation shown in the last column.

The end result of this method is to assign all capacity costs to the individual loads proportional to what they individually would cost.

Table 4 (page 30) again shows the results of some of the more common methods of capacity allocation, as well as the proportional responsibility method. The inequities of the common methods described earlier are eliminated under the proportional responsibility method. Each and every load is assigned a proportionate share of the capacity costs. It is not dependent on load factors and it considers the time when the demand was established.

An additional major advantage of the proportional responsibility method is that it can be used to determine the costs associated with successively smaller components of the total load. A logical sequence of studies, each using the results of the earlier study in the listing, would be:

- 1. Cost of service by jurisdictional area.
- 2. Cost of service by class of service.
- 3. Cost of service by rate schedule.

- 4. Cost of service by homogeneous groups within the rate schedule (could be by annual consumption or connected appliances).
- 5. Cost of service by individual appliance or specific load.

None of the common methods described earlier in this article will give reasonable answers if applied to the above series of studies.

The actual application of the proportional responsibility method is more complex than described above as each hour of the year has a specific weighting factor, and complete day-by-day load curves are required both for the system and for the various customer groups. However, with modern computer technology, this is not an insurmountable problem.

If desired, the proportional responsibility method can be simplified by reducing the number of load curves resulting in fewer weighting factors. For example, instead of using the daily load curves, average monthly load curves or monthly peak-day load curves could be used. As might be expected, this simplification will alter the proportional allocation and limit the scope of application because it does not fully consider the daily, monthly, and seasonal shifts of the load curves of the system or the customer groups.

However, compared to the known fallacies of the results of commonly used methods, this altera-



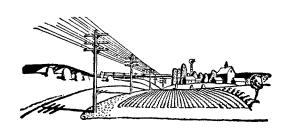
Gary H. Grainger is electric rates and research supervisor for the Wisconsin Public Service Corporation. After receiving his BA degree in électrical engineering from the University of Wisconsin in 1960, he joined the utility and, in 1972, was appointed to his present position. Currently, a member of the Rate Research Committee of the Edison Electric Institute, he has testified in regulatory matters before the Federal Power Commission and the Wisconsin and Michigan Public Service commissions.

|                      | $P\epsilon$      | hod I<br>eak<br>isibility | Noncoi           | od II<br>ncident<br>rak | Aver             | od III<br>age &<br>cess | Comple           | od IV<br>ete Peak<br>Robison) | Pro              | ethod V<br>p. Resp.<br>Iethod |
|----------------------|------------------|---------------------------|------------------|-------------------------|------------------|-------------------------|------------------|-------------------------------|------------------|-------------------------------|
| Load                 | Kw.              | %                         | Kw.              | %                       | $K\omega$ .      | %                       | Kw.              | %                             | Kw.              | %                             |
| A                    | 0                |                           | 70               | 10                      | 50               | 7                       | 25               | 4                             | 28               | 4                             |
| В                    | 0                |                           | 70               | 10                      | 67               | 10                      | 50               | 7                             | 38               | 5                             |
| С                    | 0                |                           | 70               | 10                      | 83               | 12                      | 79               | 11                            | 53               | 7                             |
| D                    | 100              | 14                        | 70               | 10                      | 100              | 13                      | 100              | 14                            | 83               | 12                            |
| $\mathbf{E}_1$       | 100              | 14                        | 70               | 10                      | 83               | 12                      | 89               | 13                            | 83               | 12                            |
| $\mathbf{E}_{2}$     | 100              | 14                        | 70               | 10                      | 83               | 12                      | 89               | 13                            | 83               | 12                            |
| F,                   | 100              | 14                        | 70               | 10                      | 67               | 10                      | 78               | 11                            | 83               | 12                            |
| $\mathbf{F}_{2}^{'}$ | 100              | 14                        | 70               | 10                      | 67               | 10                      | 78               | 11                            | 83               | 12                            |
| $G_1$                | 100              | 15                        | 70               | 10                      | 50               | 7                       | 56               | 8                             | 83               | 12                            |
| G                    | 100              | 15                        | 70               | 10                      | 50               | 7                       | 56               | 8                             | 83               | 12                            |
| 2                    | $\overline{700}$ | $\overline{100}$          | $\overline{700}$ | 100                     | $\overline{700}$ | $\overline{100}$        | $7\overline{00}$ | $\overline{100}$              | $\overline{700}$ | $\overline{100}$              |

tion of the proportional allocation and limitation of scope is minor.

Finally, I want to point out that the proportional responsibility method is designed to give a realistic and reasonable distribution of imbedded capacity costs. This makes it ideal for purposes of

rate design, determination of rate of return, and support in rate cases. It does not evaluate the incremental added costs of new loads or the long-range future costs of existing or added loads. These types of evaluations require separate special studies utilizing appropriate capacity allocation methods.



# Outline of General Environmental Impact of Utility Operations

|                        | Air Quality  | Water<br>Quality  | Land Use  | Noise               |
|------------------------|--|---|---|---------------------|
| Electric               | Stack emissions Nuclear radiation Transport and storage of nuclear materials | Thermal<br>effect of<br>coolant<br>uses<br>Secondary<br>effect of<br>fossil fuel<br>used (coal-<br>oil) | Lines and<br>structures<br>Dams and<br>reservoirs<br>Cooling<br>towers<br>Strip min-<br>ing | Negligible          |
| Natural<br>gas         | Negligible   | Secondary<br>effect from<br>allied oil<br>processing  | Buildings<br>and com-<br>pressor<br>stations  | Compressors         |
| Telephone              | Negligible   | Negligible  | Lines and<br>structures<br>Radio<br>towers  | Relay stations      |
| Rail & air<br>carriers | Consider-<br>able emis-<br>sions   | Secondary<br>effect of<br>fossil fuels<br>used or<br>transported  | Track and terminal structures   | Considerable impact |

# SUMMARY OF THE PROPORTIONAL RESPONSIBILITY METHOD

The "Proportional Responsibility Method" is a capacity-related cost allocation method developed by Gary H. Grainger of Wisconsin Public Service Corporation. This method utilizes system load data (curve) to calculate a demand cost responsibility for each month, day or hour as the cost allocator to be used in the cost of service studies.

Exhibits 1 and 2 illustrate how this method works for the annual proportional responsibility. First, each monthly peak demand is calculated as a percentage of the annual system peak. This percentage is the demand cost responsibility. Second, the demand cost responsibility is spread over the month(s) it occurs. For example, the lowest demand cost responsibility is 83.65% (May, 1976) in Exhibit 1. This occurs in 12 months of the year and should be spread over the 12 months, i.e., 6.97083% per month. The second lowest responsibility is 84.08% (April, 1976). The difference between 84.08% and 83.65% (0.43%) occurs for 11 months of the year. Therefore, the second lowest demand month gets the cost responsibility of the lowest demand over 12 months (6.97083%) plus the responsibility of the second lowest demand spread over 11 months (0.03909%) as shown in Exhibit 2. This calculation continues until the highest demand month is done. Third, by adding the winter months' and summer months' responsibilities, two seasonal allocators are derived. The relationship between onpeak and off-peak periods within the month can also be quantified by using proportional responsibility method. This is shown in Exhibit 3.

The procedures of developing the allocators as described above are computerized and incorporated in Gilbert's Hourly Load Program in Fortran Language. Some sample print-outs labeled Exhibit 4 show the development of monthly proportional responsibility allocators on page 1 and diurnal allocators on pages 2 and 3.

Attached for reference is the article entitled "The Proportional Responsibility Method of Capacity Cost Allocation" by Gary H. Grainger from the November 9, 1972 issue of Public Utilities Fortnightly. This article introduced proportional responsibility method and also briefly discussed other capacity allocation methods.

<u>Cct</u> 662

795

<u>Nov</u> 683

816

<u>Dec</u> 730

854

<u>Sep</u> 742

875

### EXHIBIT 1

# PROPORTIONAL RESPONSIBILITY

<u>Mav</u> 655

788

<u>Jun</u> 762

895

<u>Jul</u> 794

927

<u>Aug</u> 809

942

|           |                         | •           |                  | ,,, 610 6,,4        |
|-----------|-------------------------|-------------|------------------|---------------------|
| % of Peak | 89.60 87.16 84.82 84.08 | 83.65 95.01 | 98.41 100.0 92.8 | 9 84.40 86.62 90.66 |
| Lowest    | 83.65% ÷                | 12          | <b>-</b> 6.97083 |                     |
|           | (84.08 -                | 83.65) + 11 | 03909            |                     |
| •         | (84.40 -                | 84.08) + 10 | 03200            |                     |
|           | (84.82 -                | 84.40) + 9  | 04667            |                     |
| •         | (86.62 -                | 84.82) + 8  | 22500            |                     |
|           | (87.16 -                | 86.62) : 7  | 07714            |                     |
|           | (89.60 -                | 87.16) - 6  | 40667            |                     |
|           | (90.66 -                | 89.60) + 5  | 21200            |                     |
|           | (92.89 -                | 90.66) + 4  | 55750            |                     |
|           | (95.01 - 9              | 92.89) - 3  | .70667           |                     |
|           | (98.41 - 9              | 95.01) + 2  |                  |                     |
| ***       |                         | •           |                  |                     |
| Highest   | (100.00 - 9             | 98.41) - 1  | <b>-</b> 1.59000 |                     |

<u>Jan</u> 711

844

Jan, 1972

Jan, 1976

Feb

688

821

Mar

666

799

792

Source: Peak-load Pricing Workshop paper by Wisconsin Public Service Corporation.

# EXHIBIT 2

# ANNUAL PROPORTIONAL RESPONSIBILITY

| Jan = 6.971 + .039 + .032 + .047 + .225 + .077 + .407   | -    | 7.<br>Distrib<br>7.7974 |
|---|------|-------------------------|
| Feb = 6.971 + .039 + .032 + .047 + .225 + .077  | •    | 7.3907                  |
| Mar = 6.971 + .039 + .032 + .047  |      | 7.0886                  |
| Apr = 6.971 + .039  | *    | 7.0099                  |
| May = 6.971   | =    |                         |
| Jun = 6.971 + .039 + .032 + .047 + .225 + .077 + .407 + .212 + .558 + .707  | -    | 0.9700                  |
| Ju1 = 6.971 + .039 + .032 + .047 + .225 + .077 + .407 + .212 + .558 + .707 + 1.7  | =    | 9.2736                  |
| Aug = 6 971 + 020 + 022 + 027 | =    | 10.9736                 |
| Aug = 6.971 + .039 + .032 + .047 + .225 + .077 + .407 + .212 + .558 + .707 + 1.7 + 1  | .59= | 12.563é                 |
| Sep = 6.971 + .039 + .032 + .047 + .225 + .077 + .407 + .212 + .558   | *    | 8.5669                  |
| Oct ~ 6.971 + .039 + .032   | =    | 7.0419                  |
| Nov = 6.971 + .039 + .032 + .047 + .225   | *    | 7.3136                  |
| Dec = 6.971 + .039 + .032 + .047 + .225 + .077 + .407 + .212  |      | 8.0092                  |
| Total   | 1    | 00.0000                 |

Source: Peak-load Pricing Workshop paper by Wisconsin Public Service Corporation.

# MONTHLY PROPORTIONAL RESPONSIBILITY

# WINTER

|        | Base Load Intermediate Load Peak Load 730 Hrs. = 30.42 D | 92.90%                        | 428.55 Hrs<br>200.97 Hrs<br>100.48 Hrs<br>eks | •                           |
|--------|--|-------------------------------|---|-----------------------------|
|        | 67.008 ÷ 730.00 = 27.395 ÷ 301.45 = 5.597 ÷ 100.48 =     | .09179%                       |   |                             |
|        | Base Load<br>Intermediate Load<br>Peak Load              | .09179%<br>.18267%<br>.23837% | 1.00000<br>1.99009<br>2.59691                 | .38507<br>.76633<br>1.00000 |
| SUMMER |  |                               |   |                             |
|        | Base Load<br>Intermediate Load<br>Peak Load              | 58.37%<br>83.35%<br>89.35%    | 406.38 Hrs.<br>222.62 Hrs.<br>101.000 Hrs.    |                             |
|        | 65.072 : 730.00 = 27.848 : 323.62 = 7.079 : 101.00 =     | .08914<br>.08605<br>.07009    |   |                             |
|        | Base Load<br>Intermediate Load<br>Peak Load              | .08914<br>.17519<br>.24528    | 1.00000<br>1.96534<br>2.75163                 | .36342<br>.71424<br>1.00000 |

Source: Peak-load Pricing Workshop paper by Wisconsin Public Service Corporation.

(HIBIT 4

|                                     |          |                | DEVE    | DEVELOPMENT OF |         | S OF 1979 D | ATA<br>E RESPONSI | ANALYSIS OF 1979 DATA,<br>MONTHLY PROPORTIONAL RESPONSIBILITY ALLUCATOR | OCATOR    | REFER TO P | VBL IC                    | 111L111ES                         |
|-------------------------------------|----------|----------------|---------|----------------|---------|-------------|-------------------|---|-----------|------------|---------------------------|-----------------------------------|
|                                     | JANUAKY  | FEBRUARY       | МАКСН   | APRIL          | MĄY     | JUNE        | JULY              | AUGUST SE   | SEPTENBER | OCTOBER    | CEDURE<br>CEDURE<br>EMBER | ISCUSSION<br>EMPLOYED<br>DECEMBER |
| HEAK MW                             | 869      | . 8 <b>6</b> 2 | 795     | 709            | 008     | 915         | 934               | 1055  | 498       | 585        | 45.0                      |                                   |
| % OF PK                             | 83.3697  | 81.7061        | 75,3554 | 72.4910        | 15.8394 | 86.7298     | 88.5308           | 100.0000  | 81.8957   | 55.4503    |                           | 747                               |
| INVERSE<br>RANKSE                   | gs. ·    | <b>E</b>       | N       | <b>4</b> 5.    | ø.      | 10          | . =               | 12  | o o       | 7000       | <del>•</del> 119•10       | 70.3317                           |
| SUCCESSIVE<br>DIFFERENCE<br>BY RANK | 0.4739   | 5.8768         | 2,4645  | 2,5892         | 664439  | 4.3602      | 1.8009            | 11.4692   | 0.1896    | 55.4502    | 6.1611                    | 3<br>8-7204                       |
| KANK                                | <b>4</b> | 9              | · 30    | <b>3</b> ~     |         |             | <b>\(\cdot\)</b>  | ~*  | អ         | 21         | =                         |                                   |
| ALLODATION<br>IN & TION             | 0.1185   | 9616.0         | 0,3081  | 7782.0         | 0.0677  | 1.4534      | ₹006*0            | 11.4692   | 0.0379    | 4.6209     | 0.5601                    | 0.8720                            |
| CUMULATIVE<br>ALLOGATION<br>IN B    | 7.8490   | 7.6926         | 755949  | 6.3374         | 6.7131  | 9*3054      | 10.2028           | 21.6720   | 7.7305    | 9 6 6 9    |                           |                                   |
| ALLOGATION<br>IN MW                 | 88       | 81             | 7.0     | 99             | 7.0     | 86          | 201               | 22.8  | 18        | 84         | 3.1810<br>54              | 6.0530<br>63<br>63                |

| 4    |  |
|------|--|
| BIT  |  |
| EXHI |  |

| •  |                |         | DEV     | DEVELOPMENT O | ANALYSIS OF 1979 DATA<br>OF HOURLY PROPORTIONAL HESPONSIBILITY ALLOCATOR<br>MORNING HOURS- PAGE 1 OF 2 | OF 1979 DI<br>HOPORTIONAL<br>HS- PAGE 1 | ATA<br>- HESPONSIE<br>OF 2 | BILITY ALLO | OCATOR   | KEFER TO F | TER TO PUBLIC UTILITIES                 | 99, 1972<br>99, 1972 |
|--|----------------|---------|---------|---------------|--|---|----------------------------|-------------|----------|------------|---|----------------------|
| MOUR ENDING 1 AM   | b AM           | 2 AM    | 3 AM    | 4 AM          | æ<br>AA  | 6 AM                                    | 7 AM                       | æ<br>A      | PA<br>WA | OF THE     | PROCEDURE 1                             | EMPLOYED<br>12 AM    |
| PEAK ME  | 757            | 720     | 674     | 729           | 673  | 689                                     | 751                        | 816         | 855      | 893        | 953                                     | 366                  |
| % OF PK  | 6606.89        | 68.2464 | 63,8862 | 63.6019       | 63.7915  | 65,3080                                 | 71.1848                    | 77.3460     | 81.0426  | 84.6445    | 90.3317                                 | 94.3128              |
| RANK SE  | • **           | ь       | ņ       | -             | N  | 4                                       | ~                          | 20          | <b>0</b> | . 21       | 13                                      | 16                   |
| 20년<br>12년<br>12년<br>12년<br>12년<br>12년<br>12년<br>12년<br>12년<br>12년<br>12 | 6.6635         | 2.9384  | 876070  | 63-6019       | 0.1896   | 1.4218                                  | 2.2749                     | 6.1611      | 1.0427   | 0.5687     | 5.6872                                  | 0.6635               |
| RANK   | . <del>7</del> | 50      | 32      | 5.4           | 53   | 21                                      | 18                         | 17          | 51       | 13         | , | <b>.</b>             |
| ALLOGATION<br>IN %   | 0.0349         | 0.1469  | 0+0043  | 2.6901        | 0.0082   | 0.0677                                  | 0.1264                     | 0.3624      | 5690*0   | 0.0437     | 0.4739                                  | 0.0737               |
| CUMULATIVE<br>ALLODATION<br>N  | 8.9122         | 2.8773  | 2,6626  | 2.0501        | 2.6583   | 2.7303                                  | 3.0386                     | 3.4010      | 3.6364   | 3.8968     | 4.3707                                  | 4.7676               |
| AL LOGATION<br>IN MW   | 30             | 30      | 28      | 27            | 29.<br>29.   | 28                                      | . z                        | 38          | 38       | <b>4</b>   | 94                                      | 05                   |
|  |                |         |         |               |  |   |                            |             |          |            |   |                      |

| 4       |
|---------|
| EXHIBIT |
|         |

|                                     |         |         | DEVI     | DEVELOPMENT O | ANALYSIS<br>FENING HOU | OF BOURLY PROPORTIONAL RESPONSIBILITY ALLOCATOR | ATA<br>RESPUNSIO | BILITY ALLO | CATOR        | REFER TO FORTAIG | REFER TO PUBLIC UTILITIES             | JL111ES                          |
|-------------------------------------|---------|---------|----------|---------------|------------------------|---|------------------|-------------|--------------|------------------|---------------------------------------|----------------------------------|
| MOUR ENDING 1 PM                    | 1 PM    | 2 PM    | 3 PM     | W 4 5         | S PM                   | 6 PM  | 7 PM             | B<br>M      | . o          | OF THE 1         | FLAILED DIS<br>FROCEDURE E<br>11 PM M | SCUSSION<br>EMPLOYED<br>MIDMIGHT |
| FEAK MW                             | 1021    | 3048    | 1045     | 1037          | 1030                   | 1055  | 1027             | 988         | 1003         | 963              | 887                                   | 7798                             |
| & OF PK                             | 96.7772 | 99.0521 | 99,0521. | 8E47.86       | 97.6303                | 100.0001  | 97.3460          | 93.6493     | 95.0713      | 91.2796          | 2000                                  |                                  |
| 1NVERSE<br>RANK                     | 18      | 23      | 32       | 51            | 50                     | . 24  | <u>\$</u>        | :51         |              |                  | 04.0738                               | 0000 • 08                        |
| SUCCESSIVE<br>UIRFERENCE<br>BY RANK | 1.7062  | 0.0     | 0,7583   | 0.6635        | 0.2844                 | 0.9479  | 0.5687           | 2.3697      | 0.7583       | 0.9479           | 11<br>3.0332                          | y<br>2.6540                      |
| RANK                                |         | ~       | ú        | ,<br>⊹ an     | , v                    | -   | •                | 10          | 30           |                  | 71                                    |                                  |
| INCREMENT<br>ALLODATION<br>IN %     | 0.2437  | 0 • 0   | 0,2528   | 0.1659        | 0.0569                 | 6.9479  | R760*0 .         | 0.2370      | 8760*0       | 0.0862           | 0.2167                                | 0.1659                           |
| CUMULATIVE<br>ALLOCATION<br>IN &    | £.1061  | 7929.5  | 5,6764   | 5.4836<br>-   | 5.2577                 | 6.6243  | 5.2009           | 8669**      | 4.8623       | 4.4569           | 00<br>84<br>84<br>7                   | 6<br>1<br>1                      |
| ALLODATION<br>IN MW                 | 53      | . 65    | 69       | . 57          | <u>់</u><br>ស          | 69  | •<br>4:          | <b>6</b>    | े <b>र</b> 5 | 14               | 0 0                                   | 3.3008                           |