

**UGI UTILITIES, INC. – ELECTRIC DIVISION**

**BEFORE**

**THE PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**Information Submitted Pursuant to**

**Section 53.51 et seq of the Commission’s Regulations**

**III. RATE OF RETURN**

**IV. RATE STRUCTURE & COST ALLOCATION**

**V. PLANT & DEPRECIATION SUPPORTING DATA**

**VI. UNADJUSTED COMPARATIVE BALANCE SHEETS  
& OPERATING INCOME STATEMENTS**

**INDEX OF ATTACHMENTS ON CD**

**CD CONTAINING ATTACHMENTS**

**ORIGINAL TARIFFS**

**UGI UTILITIES, INC. – ELECTRIC DIVISION**

**PA P.U.C. NOS. 6 & 2S**

**DOCKET NO. R-2017-2640058**

**Issued: January 26, 2018**

**Effective: March 27, 2018**

### **III. RATE OF RETURN**

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-A - Claimed Rate of Return  
Delivered on January 26, 2018

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III-A-1

Request:

Provide a schedule showing the major components of claimed capitalization, and the derivation of the weighted costs of capital for the rate case claim. This schedule shall include a descriptive statement concerning the major elements of changes in claimed capitalization, cost rates and overall return from comparable historical data.

Response:

Please refer to UGI Electric Exhibit B, Schedule 1 page 1, Schedule 5 page 1, and Schedule 6 pages 1, 2, 3 and 4, and the Direct Testimony of Paul R. Moul, UGI Electric Statement No. 5.

Prepared by or under the supervision of: Paul R. Moul

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-A - Claimed Rate of Return  
Delivered on January 26, 2018

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III-A-2

Request:

Provide a schedule in the same format as Schedule 1, except for the omission of the descriptive statement, for the most immediate comparable annual historical period prior to the test year and the two calendar years most immediately preceding the rate of return claim period. Irrespective of whether the capitalization claimed on Schedule 1 includes short-term debt, Schedule 2 should reflect capital ratios with and without short-term debt.

Response:

Please see Attachment III-A-2.

Prepared by or under the supervision of: Paul R. Moul

**UGI UTILITIES, INC. - ELECTRIC DIVISION  
CAPITALIZATION SCHEDULE (Millions)  
FOR THE HISTORIC YEARS ENDED SEPTEMBER 30, 2015 THROUGH 2017**

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Company Only - UGI Utilities, Inc. - With Short-Term Debt

	<u>9/30/2015</u>		<u>9/30/2016</u>		<u>9/30/2017</u>	
	<u>Actual</u>	<u>%</u>	<u>Actual</u>	<u>%</u>	<u>Actual</u>	<u>%</u>
Common Equity	\$ 904.3	56.9	\$ 956.4	55.8	\$ 1,014.7	57.5
Preferred Stock	0.0	0.0	0.0	0.0	0.0	0.0
Short-Term Debt	63.6	4.0	85.2	5.0	0.0	0.0
Long-Term Debt	<u>622.0</u>	<u>39.1</u>	<u>671.4</u>	<u>39.2</u>	<u>751.1</u>	<u>42.5</u>
Total Capitalization	<u>\$ 1,589.9</u>	<u>100.0</u>	<u>\$ 1,713.0</u>	<u>100.0</u>	<u>\$ 1,765.8</u>	<u>100.0</u>

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Company Only - UGI Utilities, Inc. - Without Short-Term Debt

	<u>9/30/2015</u>		<u>9/30/2016</u>		<u>9/30/2017</u>	
	<u>Actual</u>	<u>%</u>	<u>Actual</u>	<u>%</u>	<u>Actual</u>	<u>%</u>
Common Equity	\$ 904.3	59.2	\$ 956.4	58.8	\$ 1,014.7	57.5
Preferred Stock	0.0	0.0	0.0	0.0	0.0	0.0
Long-Term Debt	<u>622.0</u>	<u>40.8</u>	<u>671.4</u>	<u>41.2</u>	<u>751.1</u>	<u>42.5</u>
Total Capitalization	<u>\$ 1,526.3</u>	<u>100.0</u>	<u>\$ 1,627.8</u>	<u>100.0</u>	<u>\$ 1,765.8</u>	<u>100.0</u>

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UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-B - Embedded Cost of Long-Term Debt  
Delivered on January 26, 2018

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III-B-1

Request:

Provide a schedule showing the calculation of embedded cost of long-term debt by issue, supporting the related rate case claim. The schedule shall contain the following information:

- a. Date of issue.
- b. Date of maturity.
- c. Amount issued.
- d. Amount outstanding.
- e. Amount retired.
- f. Amount reacquired.
- g. Gain or loss on reacquisition.
- h. Coupon rate.
- i. Discount or premium at issuance.
- j. Issuance expense.
- k. Net proceeds.
- l. Sinking fund requirements.
- m. Effective cost rate.
- n. Total average weighted effective cost rate.

Projected new issues, retirements and other major changes from the comparable historic data should be clearly noted.

Response:

Please refer to UGI Electric Exhibit B, Schedule 6 pages 1, 2, 3 and 4, and the Direct Testimony of Paul R. Moul, UGI Electric Statement No. 5.

Prepared by or under the supervision of: Paul R. Moul

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-B - Embedded Cost of Long-Term Debt  
Delivered on January 26, 2018

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III-B-2

Request:

In the event that a claim made for a true or economic cost of debt exceeds that shown in the preceding nominal cost schedule because of convertible features, sale with warrants or for any other reason, a full statement of the basis for such a claim should be provided.

Response:

No claim is made for a cost of debt that differs from the embedded cost noted in the response to III-B-1.

Prepared by or under the supervision of: Paul R. Moul

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-B - Embedded Cost of Long-Term Debt  
Delivered on January 26, 2018

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III-B-3

Request:

Provide the following information concerning bank notes payable for test year and for latest comparable annual historical period prior to the test year:

- a. Line of credit at each bank.
- b. Average daily balances of notes to each bank, by name of bank.
- c. Interest rate charged on each bank note (Prime rate, formula rate, or other).
- d. Purpose of each bank note (for example, construction, fuel storage, working capital, debt retirement).
- e. Prospective future need for this type of financing.

Response:

- a. UGI Utilities, Inc. (the "Parent") has a five-year \$300 million revolving credit facility with a consortium of banks ("RCF") of which UGI Electric is included. The RCF matures in March, 2020. Please see Attachment III-B-3 for the commitment from each bank.
- b. The RCF is predominantly used to meet working capital needs and is more heavily utilized in the fall and winter months when inventory and receivable balances peak. The borrowings from each bank are pro rata as per their respective commitments. The average daily borrowing under the Parent's RCF was \$80,730,000 for fiscal year 2017.
- c. The interest rates for the majority of borrowings under the Parent's RCF are under the LIBOR + Applicable Margin formula. The Applicable Margin is based on public credit ratings as specified on Attachment III-B-3. The Parent has two public debt ratings (Moody's, Fitch). When there is a split rating, the Moody's rating applies unless such ratings differ by two or more levels. If ratings differ by two or more levels, the applicable level will be deemed to be one level below the higher of such levels. Based on current ratings of the Parent, the applicable margin is 0.875%.



UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-B - Embedded Cost of Long-Term Debt  
Delivered on January 26, 2018

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III-B-3 (Continued)

- d. The borrowings under the \$300 million RCF are for working capital needs, CWIP and general corporate purposes.
- e. The RCF provides adequate liquidity for working capital and CWIP needs and does not mature until March 2020.

Prepared by or under the supervision of: Megan Mattern

**UGI Utilities, Inc. – Electric Division  
Line of Credit Bank Commitments and Applicable margin  
As of September 30, 2017**

**Lender Commitments of the UGI Utilities, Inc. five year, \$300 million revolving credit facility:**

<b>Lender</b>	<b>Commitment</b>
PNC Bank, National Association	\$55,000,000
Citizens Bank of Pennsylvania	\$55,000,000
Citibank, N.A.	\$32,000,000
Credit Suisse AG, Cayman Islands Branch	\$32,000,000
JPMorgan Chase Bank, N.A.	\$32,000,000
Wells Fargo Bank, National Association	\$32,000,000
The Bank of New York Mellon	\$32,000,000
Bank of America, N.A.	\$30,000,000
	\$300,000,000

**Applicable Margin of the UGI Utilities, Inc. five year, \$300 million revolving credit facility:**

<b>S&amp;P/Moody's/Fitch</b>	<b>Margin</b>
A/A2/A or above	0.875%
A-/A3/A-	1.00%
BBB+/Baa1/BBB+	1.125%
BBB/Baa2/BBB	1.25%
BBB-/Baa3/BBB-	1.50%
BB+/Ba1/BB+ or lower	1.75%

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-B - Embedded Cost of Long-Term Debt  
Delivered on January 26, 2018

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III-B-4

Request:

Provide detailed information concerning all other short-term debt outstanding.

Response:

The Company had no other short-term debt outstanding other than that identified in Question III-B-3.

Prepared by or under the supervision of: Paul R. Moul

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-B - Embedded Cost of Long-Term Debt  
Delivered on January 26, 2018

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III-B-5

Request:

Describe long-term debt reacquisition by issue by Company and Parent as follows:

- a. Reacquisition by issue by year.
- b. Total gain or loss on reacquisitions by issue by year.
- c. Accounting for gain or loss for income tax and book purposes.
- d. Proposed treatment of gain or loss on such reacquisition for ratemaking purposes.

Response:

UGI Electric has not reacquired debt since UGI Electric's last rate case.

Prepared by or under the supervision of: Paul R. Moul

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-C - Embedded Cost of Preferred Stock  
Delivered on January 26, 2018

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III-C-1

Request:

Provide a schedule showing the calculation of the embedded cost of preferred stock equity by issue, supporting the related rate case claim. The schedule shall contain the following information:

- a. Date of issue.
- b. Date of maturity.
- c. Amount issued.
- d. Amount outstanding.
- e. Amount retired.
- f. Amount reacquired.
- g. Gain or loss on reacquisition.
- h. Dividend rate.
- i. Discount or premium at issuance.
- j. Issuance expenses.
- k. Net proceeds.
- l. Sinking fund requirements.
- m. Effective cost rate.
- n. Total average weighted effective cost rate.

Projected new issues, retirement and other major changes from the comparable historical data should be clearly noted.

Response:

The Company does not have preferred stock outstanding.

Prepared by or under the supervision of: Paul R. Moul

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-D - Cost of Common Equity  
Delivered on January 26, 2018

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III-D-1

Request:

Provide complete support for claimed common equity rate of return.

Response:

Please refer to the Direct Testimony of Paul R. Moul, UGI Electric Statement No. 5.

Prepared by or under the supervision of: Paul R. Moul

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-D - Cost of Common Equity  
Delivered on January 26, 2018

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III-D-2

Request:

Provide a summary statement of all stock dividends, splits or par value changes during the 2 calendar year period preceding the rate case filing.

Response:

No stock dividends, splits or par value changes have occurred during the past two calendar years preceding the rate case filing.

Prepared by or under the supervision of: Paul R. Moul

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-D - Cost of Common Equity  
Delivered on January 26, 2018

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III-D-3

Request:

Provide a schedule of all issuances of common stock, whether or not underwriters are used, for the most immediately available annual historical period and the 2 calendar years most immediately preceding the test year.

Response:

There were no new issuances of common stock during the historical period or the two years preceding the test year.

Prepared by or under the supervision of: Paul R. Moul



UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-D - Cost of Common Equity  
Delivered on January 26, 2018

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III-D-4

Request:

Submit details on the utility and parent company stock offerings—past 5 years to present—as follows:

- a. Date of prospectus.
- b. Date of offering.
- c. Record date.
- d. Offering period—dates and numbers of days.
- e. Amount and number of shares offered.
- f. Offering ratio, if rights offering.
- g. Percent subscribed.
- h. Offering price.
- i. Gross proceeds per share.
- j. Expenses per share.
- k. Net proceeds per share (i - j).
- l. Market price per share.
  1. At record date.
  2. At offering date.
  3. One month after close of offering.
- m. Average market price during offering.
  1. Price per share.
  2. Rights per share - average value of rights.
- n. Latest reported earnings per share at time of offering.
- o. Latest reported dividends at time of offering.

Response:

UGI Electric and UGI Utilities do not have publicly traded stock. UGI Corporation, the parent company of UGI Utilities, does have publicly traded stock and has not issued any publicly underwritten common stock in the last five years and has no plans to issue stock within the next year.

UGI Corporation does issue common stock annually in relation to Long Term Incentive Plans, but these are not publicly underwritten.

Prepared by or under the supervision of: Paul R. Moul

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-E - Parent - Subsidiary Relationship  
Delivered on January 26, 2018

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III-E-1

Request:

If a claim of the filing utility is based on utilization of the capital structure or capital costs of the parent company and system - consolidated - the reasons for this claim must be fully stated and supported.

Response:

The Company is claiming its own capital structure and capital cost rates in this case. No claim is being made for the parent company or system consolidated capital structure.

Prepared by or under the supervision of: Paul R. Moul

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-E - Parent - Subsidiary Relationship  
Delivered on January 26, 2018

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III-E-2

Request:

Regardless of the claim made, provide the capitalization data requested at Item III.A.2. for the parent company and for the system - consolidated.

Response:

Please see Attachment III-E-2 for the requested capitalization data.

Prepared by or under the supervision of: Megan Mattern

**UGI UTILITIES, INC. - ELECTRIC DIVISION  
CAPITALIZATION SCHEDULE (Millions)  
FOR THE HISTORIC YEAR ENDED SEPTEMBER 30, 2017  
AND FOR THE FORECASTED YEARS ENDING SEPTEMBER 30, 2018 AND 2019**

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Company Only - UGI Utilities, Inc. - With Short-Term Debt

	<u>9/30/2017</u>		<u>9/30/2018</u>		<u>9/30/2019</u>	
	<u>Actual</u>	<u>%</u>	<u>Actual</u>	<u>%</u>	<u>Actual</u>	<u>%</u>
Common Equity	\$ 1,014.7	57.5	\$ 1,085.9	56.4	\$ 1,163.1	54.0
Preferred Stock	0.0	0.0	0.0	0.0	0.0	0.0
Short-Term Debt	0.0	0.0	0.0	0.0	0.0	0.0
Long-Term Debt	<u>751.1</u>	<u>42.5</u>	<u>840.0</u>	<u>43.6</u>	<u>990.0</u>	<u>46.0</u>
<b>Total Capitalization</b>	<b><u>\$ 1,765.8</u></b>	<b><u>100.0</u></b>	<b><u>\$ 1,925.9</u></b>	<b><u>100.0</u></b>	<b><u>\$ 2,153.1</u></b>	<b><u>100.0</u></b>

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Company Only - UGI Utilities, Inc. - Without Short-Term Debt

	<u>9/30/2017</u>		<u>9/30/2018</u>		<u>9/30/2019</u>	
	<u>Actual</u>	<u>%</u>	<u>Actual</u>	<u>%</u>	<u>Actual</u>	<u>%</u>
Common Equity	\$ 1,014.7	57.5	\$ 1,085.9	56.4	\$ 1,163.1	54.0
Preferred Stock	0.0	0.0	0.0	0.0	0.0	0.0
Long-Term Debt	<u>751.1</u>	<u>42.5</u>	<u>840.0</u>	<u>43.6</u>	<u>990.0</u>	<u>46.0</u>
<b>Total Capitalization</b>	<b><u>\$ 1,765.8</u></b>	<b><u>100.0</u></b>	<b><u>\$ 1,925.9</u></b>	<b><u>100.0</u></b>	<b><u>\$ 2,153.1</u></b>	<b><u>100.0</u></b>

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UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-E - Parent - Subsidiary Relationship  
Delivered on January 26, 2018

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III-E-3

Request:

Provide the latest available balance sheet and income statement for the parent company and system - consolidated.

Response:

Please see the response to III-F-1.

Prepared by or under the supervision of: Megan Mattern

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-E - Parent - Subsidiary Relationship  
Delivered on January 26, 2018

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III-E-4

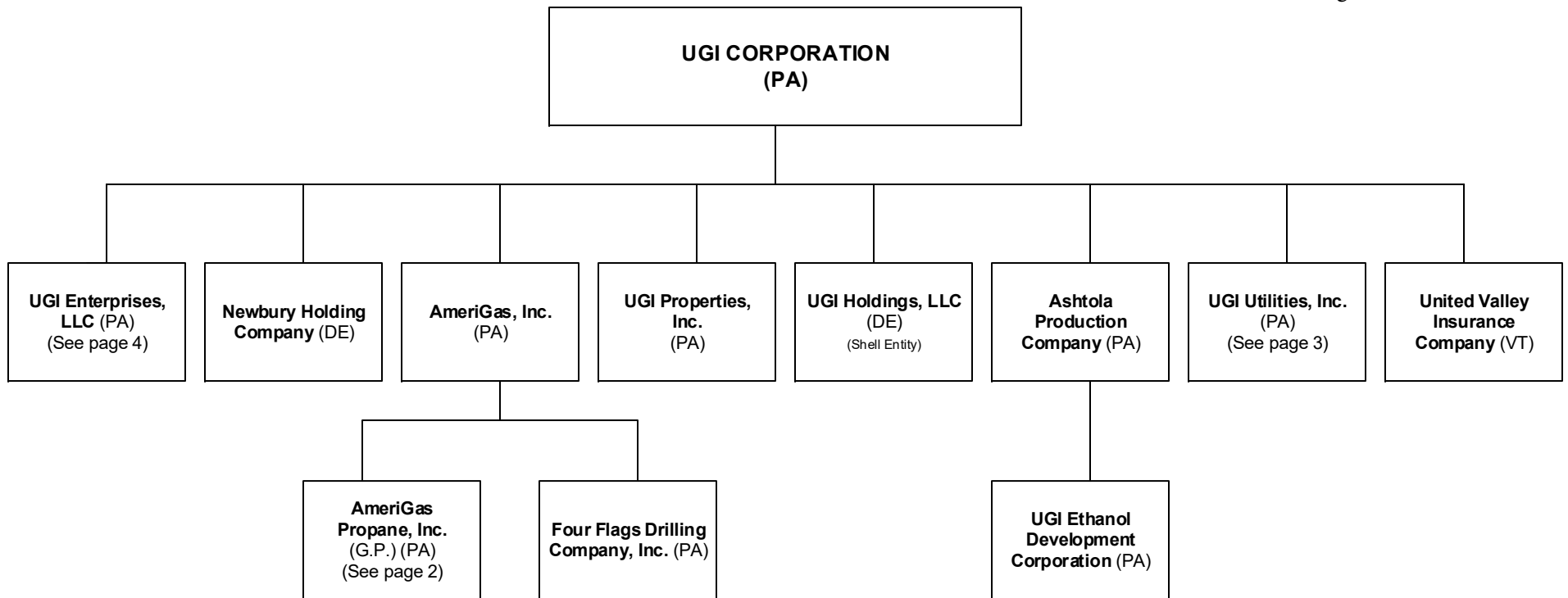
Request:

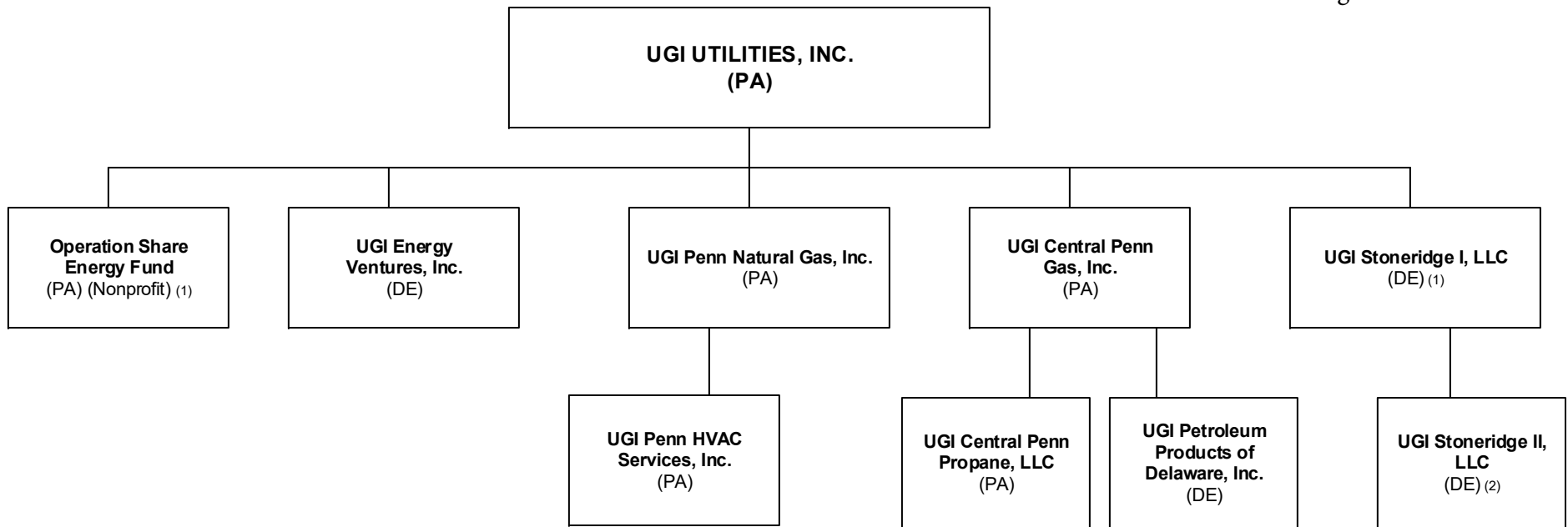
Provide an organizational chart explaining the filing utility's corporate relationship to its affiliates—system structure.

Response:

Please see Attachment III-E-4.

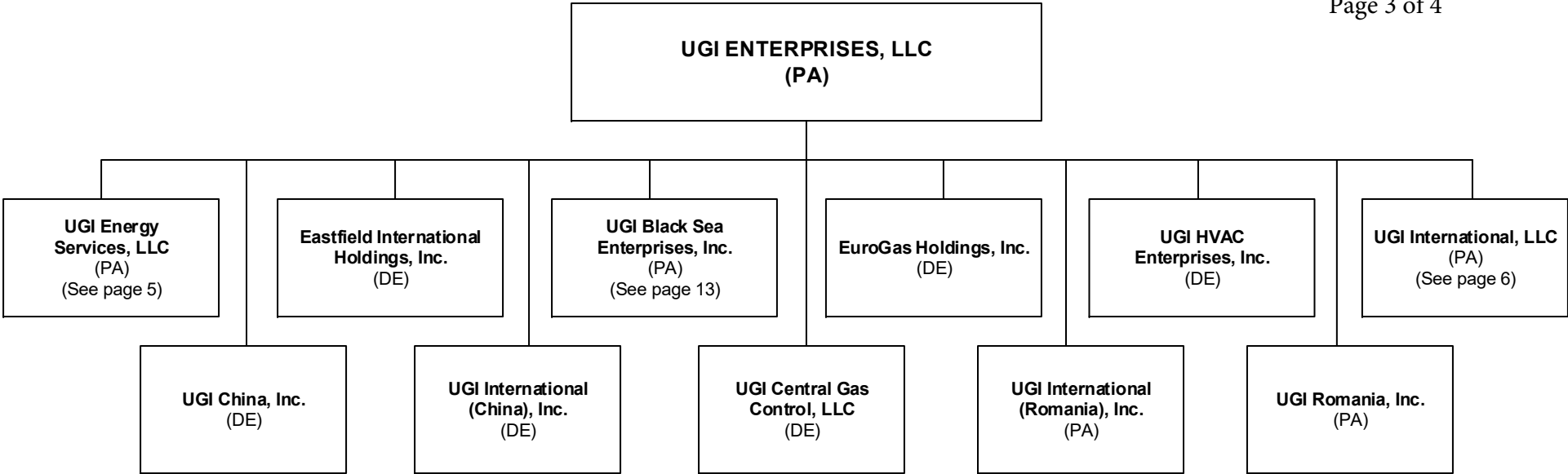
Prepared by or under the supervision of: Megan Mattern

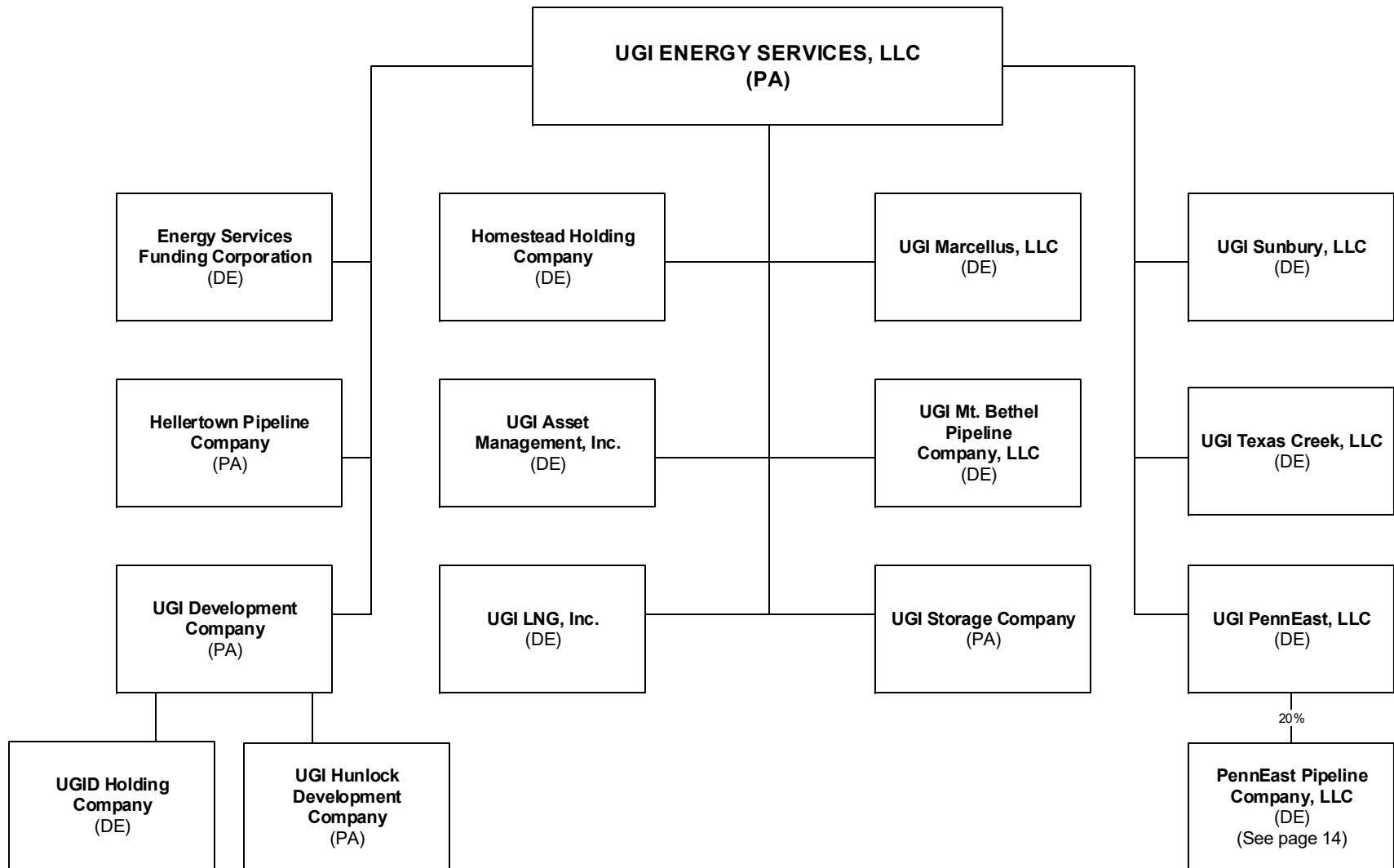




(1) UGI Utilities, Inc. is sole member  
(2) UGI Stoneridge I, LLC is sole member







UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-F - General Financial Data  
Delivered on January 26, 2018

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III-F-1

Request:

The latest available quarterly operating and financial report, annual report to the stockholders and prospectus shall be supplied for the utility and for the utility's parent, if the relationship exists.

Response:

Please see the attached CD which contains the following:

Attachment III-F-1.1 - Report on Form 10-Q for UGI Corporation for the quarter ended June 30, 2017

Attachment III-F-1.2 - Report on Form 10-Q for UGI Utilities, Inc. for the quarter ended June 30, 2017

Attachment III-F-1.3 - Annual report for UGI Corporation for the year ended September 30, 2017

Attachment III-F-1.4 - Annual report for UGI Utilities, Inc. for the year ended September 30, 2017

Attachment III-F-1.5 - Prospectus supplement for issuance of UGI Corporation common stock dated March 18, 2004

Attachment III-F-1.6 - Prospectus supplement for issuance of UGI Utilities, Inc. \$108,000,000 6.375% Senior Notes due 2013 dated May 19, 2008

Attachment III-F-1.7 - Quarterly Financial Report for UGI Utilities, Inc. - Electric Division for the year ended September 30, 2017.

Prepared by or under the supervision of: Megan Mattern

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-F - General Financial Data  
Delivered on January 26, 2018

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III-F-2

Request:

Supply projected capital requirements and sources of the filing utility, its parent and system - consolidated - for the test year and each of 3 comparable future years.

Response:

The projected capital requirements for UGI Utilities, Inc. are as follows:

FY 2017 = \$328,193,000

FY 2018 = \$327,345,000

FY 2019 = \$280,058,000

Projected information beyond the Fully Projected Future Test Year is not available.

The sources of funds will be from both internally generated funds and required external financing.

Prepared by or under the supervision of: Megan Mattern

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
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Responses to Section 53.53 - III-F - General Financial Data  
Delivered on January 26, 2018

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III-F-3

Request:

State what coverage requirements or capital structure ratios are required in the most restrictive of applicable indentures/charter tests and how these measures have been computed.

Response:

Certain of UGI Utilities Senior Notes contain the following restrictions:

1. Leverage Ratio - The Company will maintain a ratio of Consolidated Indebtedness to Consolidated Total Capital of not greater than 0.65 to 1.00.
2. Priority Debt Ratio - The Company will not at any time permit Consolidated Priority Debt to exceed 10% of Consolidated Total Assets.

Definitions:

Consolidated Indebtedness means at any time the Indebtedness (other than Non-Recourse Debt) of the Company and its Subsidiaries calculated on a consolidated basis as of such time

Consolidated Priority Debt means at any time the sum of:

- (a) Indebtedness of the Company or any Subsidiaries secured by Liens permitted by Section 10.5(m) of the agreement, plus (but without duplication)
- (b) Indebtedness of Subsidiaries other than:
  - (i) Indebtedness of Subsidiaries existing as of the issuance date and described on Schedule 5.15 (and any renewals, extension, or replacement thereof without increase in the principal amount thereof);
  - (ii) Indebtedness of Subsidiaries owing to the Company or any Subsidiary;

UGI Utilities, Inc. - Electric Division  
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Responses to Section 53.53 - III-F - General Financial Data  
Delivered on January 26, 2018

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III-F-3 (Continued)

- (iii) Acquired Subsidiary Indebtedness (and any renewal, extension or replacement thereof without increase in the principal amount thereof), provided that immediately after such acquired Subsidiary becomes a Subsidiary, no Default or Event of Default shall exist;
- (iv) Indebtedness arising under any derivatives transaction protecting against or benefiting from fluctuations in any rate or price entered into in the ordinary course of business and not for investment or speculative purposes;
- (v) Indebtedness comprising a netting or set-off arrangement entered into by the Company or any Subsidiary in the ordinary course of its banking arrangements for the purpose of netting debit and credit balances;
- (vi) Indebtedness of Subsidiary Guarantors;
- (vii) Indebtedness of Subsidiaries secured by Liens permitted by Section 10.5(a) through (l), inclusive.

Consolidated Total Assets means the sum of the assets of the Company and its Subsidiaries determined on a consolidated basis in accordance with GAAP, as shown in the most recent consolidated financial statements published by the Company and its Subsidiaries.

Consolidated Total Capital means at any time with respect to the Company, the sum of (x) Consolidated Indebtedness plus (y) consolidated stockholders' equity of the Company and its consolidated Subsidiaries, in each case determined at such date; provided that any accumulated other comprehensive income and loss and, without duplication, any non-cash effects resulting from the application of Accounting Standards Codification 715 and any non-recurring non-cash charges and any non-recurring non-cash gains will be excluded.

Indebtedness with respect to any Person means, at any time, without duplication, (a) all indebtedness of such Person for borrowed money, (b) all obligations of such Person for the deferred purchase price of property or services (other than trade payables incurred in the ordinary course of such Person's business), (c) all obligations of such Person evidenced by notes, bonds, debentures or other similar instruments, (d) all obligations of such Person created or arising under any conditional sale or other title retention agreement with respect to property acquired by such Person (even though the rights and

UGI Utilities, Inc. - Electric Division  
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Responses to Section 53.53 - III-F - General Financial Data  
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III-F-3 (Continued)

remedies of the seller or lender under such agreement in the event of default are limited to repossession or sale of such property), (e) all obligations of such Person as lessee under leases that have been or should be, in accordance with GAAP, recorded as capital leases, (f) all non-contingent obligations of such Person in respect of acceptances, letters of credit or similar extensions of credit, (g) all Indebtedness of others referred to in clauses (a) through (f) above or clause (h) below (collectively, "Guaranteed Debt") guaranteed directly or indirectly in any manner by such Person, or in effect guaranteed directly or indirectly by such Person through an agreement (1) to pay or purchase such Guaranteed Debt or to advance or supply funds for the payment or purchase of such Guaranteed Debt, (2) to purchase, sell or lease (as lessee or lessor) property, or to purchase or sell services, primarily for the purpose of enabling the debtor to make payment of such Guaranteed Debt or to assure the holder of such Guaranteed Debt against loss, (3) to supply funds to or in any other manner invest in the debtor (including any agreement to pay for property or services irrespective of whether such property is received or such services are rendered) or (4) otherwise to assure a creditor against loss, and (h) all Indebtedness referred to in clauses (a) through (g) above (including Guaranteed Debt) secured by (or for which the holder of such Indebtedness has an existing right, contingent or otherwise, to be secured by) any Lien on property (including, without limitation, accounts and contract rights) owned by such Person, even though such Person has not assumed or become liable for the payment of such Indebtedness.

The Company's \$300 million revolving credit agreement and \$100 million term loan also contain a covenant requiring the Company to maintain a leverage ratio of not greater than 0.65 to 1.00.

Please see Attachment III-F-3.1 for a copy of the covenant calculations for the period ended June 30, 2017.

Prepared by or under the supervision of: Megan Mattern

**UGI UTILITIES, INC.**  
**NOTE PURCHASE AGREEMENT**

Dated as of April 22, 2016  
Computations pursuant to Section 10.6  
as of June 30, 2017  
(Dollar amounts in thousands)

Section

10.6(a): Leverage Ratio. The Company will maintain a ratio of Consolidated Indebtedness to Consolidated Total Capital of not greater than 0.65 to 1.00

Consolidated Debt			
Current maturities of long term debt	\$	39,990	
Bank loans		50,000	
Long term debt		711,116	\$ 801,106
Consolidated Total Capital			
Consolidated debt		801,106	
Consolidated stockholder's equity		1,007,018	
less: Accumulated other comprehensive income (loss)		(29,424)	\$ 1,837,548
Consolidated Debt / Consolidated Total Capital			44%
Maximum Allowable ratio of Consolidated Debt to Consolidated Total Capital			65%
Below Covenant Threshold			21%

Section

10.6(b): Priority Debt Ratio. The Company will not at any time permit Consolidated Priority Debt to exceed 10% of Consolidated Total Assets.

Consolidated Priority Debt			
			-
Consolidated Total Assets			2,904,532
Consolidated Priority Debt / Consolidated Total Assets			0%
Maximum Allowable ratio of Consolidated Debt to Consolidated Total Capital			10%
Below Covenant Threshold			10%



UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - III-F - General Financial Data  
Delivered on January 26, 2018

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III-F-4

Request:

A schedule of comparative financial data shall be supplied for the test year, the most immediately available annual historical period, prior to the test year, and the 2 calendar years most immediately preceding the test year. Changes in Moody's/S&P ratings, noted on this schedule, shall be accompanied by the Moody's/S&P writeup of such change, if available. The following financial data and ratios shall be supplied for the utility's parent, where applicable, if not available for the utility:

- a. Times interest earned ratio—pre-tax and post-tax basis.
- b. Preferred stock dividend coverage ratio—post-tax basis.
- c. Times fixed charges earned ratio—pre-tax basis.
- d. Earnings per share.
- e. Dividend per share.
- f. Average dividend yield (52-week high/low common stock price).
- g. Average book value per share.
- h. Average market price per share.
- i. Market price-book value ratio.
- j. Earnings-book value ratio (per share basis, average book value).
- k. Dividend payout ratio.
- l. AFUDC as a % of earnings available for common equity.
- m. Construction work in progress as a % of net utility plant.
- n. Effective income tax rate.
- o. Internal cash generations as a % of total capital requirements.

Response:

Please see Attachment III-F-4.

Prepared by or under the supervision of: Megan Mattern

**UGI Electric, Inc.**  
**Select Financial Data for UGI Utilities, Inc. - Consolidated**  
**For the Years Ended September 30,**

<u>Description/Purpose</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
a. Times interest earned ratio - pre-tax	5.88	5.34	5.68	6.07	6.02
Times interest earned ratio - post-tax	3.94	3.59	3.89	4.07	4.04
b. Preferred stock dividend coverage ratio - post tax basis	N/A	N/A	N/A	N/A	N/A
c. Times fixed charges earned ratio - pre-tax basis	5.52	4.99	5.22	5.59	5.60
d. Earnings per share - diluted (a)	1.60	2.08	2.46	(b)	(b)
e. Dividend per share (a)	0.890	0.930	0.975	(b)	(b)
f. Average dividend yield (52 week high/low common stock price)	2.49%	2.33%	2.08%	(c)	(c)
g. Average book value per share (a)	20.82	20.63	21.09	(c)	(c)
h. Average market price per share (a)	35.59	39.73	47.71	(c)	(c)
i. Market price-book value ratio (a)	1.71	1.93	2.26	(c)	(c)
j. Earnings -book value ratio (per share basis, average book value) (a)	0.077	0.101	0.117	(c)	(c)
k. Dividend payout ratio (a)	55.6%	44.7%	39.6%	(b)	(b)
l. AFUDC as a % of earnings available for common equity	0.4%	0.8%	1.6%	1.1%	0.9%
m. Construction work in progress as a % of net utility plant	2.3%	5.1%	4.9%	4.5%	4.2%
n. Effective income tax rate	39.6%	40.4%	38.3%	39.5%	39.5%
o. Internal cash generations as a % of total capital requirements	112.9%	81.8%	90.8%	88.9%	104.8%

(a) Information presented for UGI Corporation, as it is not applicable to UGI Utilities.

(b) Requested data for the Future Year Test is confidential since it deals with the release of projected financial information. This information will be made available upon request following the entry of an appropriate protective order and upon execution of a confidentiality or nondisclosure agreement to hold such information in strict confidence and not disclose it to any person, whether or not a party to the proceeding, who has not executed a similar confidentiality or nondisclosure agreement.

(c) Requested data for the Future Year Test is either unavailable or unpredictable

## **IV. RATE STRUCTURE & COST ALLOCATION**

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - IV-A - Summary of Individual Rate Effects  
Delivered on January 26, 2018

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IV-A-1

Request:

Provide a summary schedule of the individual rate effects. For each state jurisdictional rate, show the following information for the test period elected:

1. Rate schedule designation.
2. For existing rates:
  - a. Customers served as of end of period.
  - b. Annual Kwh sales.
  - c. Base rate revenues adjusted for any changes in base rate application that may have occurred during the test period.
  - d. Tax surcharge revenues.
  - e. Energy Cost adjustment clause revenues.
  - f. Revenues received from other clauses or riders separately accounted for.
  - g. Total of all revenues.
3. For proposed rates:
  - a. Estimated number of customers whose charges for electric service will be increased or decreased as a result of this filing.
  - b. Base rate revenues:
    1. Annual dollar amount of increase or decrease.
    2. Percentage change.
  - c. Estimated tax surcharge revenues based on the assumption that the base rate changes proposed were in place.
  - d. Estimated Energy cost adjustment clause revenues.
  - e. Revenues received from other clauses or riders separately accounted for.
  - f. Total of all revenues:
    1. Amount of total annual dollar change.
    2. Percentage change.
4. Supplement the revenue summary to obtain a complete revenue statement of the electric business, that is, show delayed payments, other electric revenues, FERC jurisdictional sales and revenues and all other appropriate revenue items and adjustments.

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - IV-A - Summary of Individual Rate Effects  
Delivered on January 26, 2018

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IV-A-1 (Continued)

5. Develop the grand total showing total sales and revenues as adjusted and the various increases and decreases and percent effects as described above.

Response:

Please see UGI Electric Exhibit E and the Direct Testimony of David E. Lahoff, UGI Electric Statement No. 8.

Prepared by or under the supervision of: David E. Lahoff

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - IV-B - Description of Proposed Rate Changes  
Delivered on January 26, 2018

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IV-B-1

Request:

Provide a description of changes proposed for the new tariff:

1. For each rate schedule proposed to be modified.
2. For each rate schedule proposed to be deleted.
3. For each new rate schedule proposed to be added.

Response:

Please see UGI Electric Book XI, Exhibit F – Proposed Tariff, List of Changes, and the Direct Testimony of David E. Lahoff, UGI Electric Statement No. 8.

Prepared by or under the supervision of: David E. Lahoff

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - IV-C - Revenue Effects and Billing Analysis for Changed  
Rates  
Delivered on January 26, 2018

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IV-C-1

Request:

The annual revenue effect of any proposed change to any rate must be supported by a billing analysis. This may consist of the use of bill frequency distributions or individual customer billing records for the most recent annual periods available. All billing determinants should be displayed. The blocking and corresponding prices of the existing rate and the proposed rate should be applied to the determinants to derive the base rate revenues under both present and proposed rates. The derived base rate revenues should form the basis for measuring the annual base rate effect of the rates in question for the test periods.

Response:

Please see Attachment IV-C-1 on CD for a calculation of the revenue effect of the rate change on Rate R and Rate GS1 customers. Bill frequency data for all other rate classes is not readily available; impacts for any specific consumption level (kWh and kW) may be calculated from the rate data shown on UGI Electric Exhibit E – Proof of Revenue.

Prepared by or under the supervision of: David E. Lahoff

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - IV-D - Monthly Billing Effect Charts and Data  
Delivered on January 26, 2018

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IV-D-1

Request:

The effects of the proposed rates on monthly billing conditions should be provided as follows:

1. Residential Bill Comparisons

For each rate applicable to residential service provide a chart or tabulation which shows the dollar and percentage effect of the proposed base rate on monthly bills ranging from the use of zero kWh to 5,000 kWh at appropriate intervals.

2. General Bill Comparisons

For each rate that requires both a billing demand (kW) and kWh's as the billing determinants, provide a tabulation or graphical comparison showing the percentage effect of the proposed base rate on monthly bills using several representative demand (kW) levels, the monthly kWh for each demand selected to be in load factor increments of 10% starting at 0% and ending at 100% (730H) or by hours' use increments that covers approximately 95% of the bills.

Response:

Please see Attachment IV-D-1.

Prepared by or under the supervision of: David E. Lahoff



UGI Utilities, Inc. - Electric Division  
 Monthly Bill Comparison  
 Rate R

kWh	Current Monthly Bill	Proposed Monthly Bill	\$ Change	% Change
0	\$ 5.57	\$ 14.00	\$ 8.43	151%
50	\$ 11.03	\$ 19.58	\$ 8.55	77%
100	\$ 16.49	\$ 25.16	\$ 8.67	53%
150	\$ 21.95	\$ 30.74	\$ 8.79	40%
200	\$ 27.40	\$ 36.31	\$ 8.91	33%
250	\$ 32.86	\$ 41.89	\$ 9.03	27%
300	\$ 38.32	\$ 47.47	\$ 9.15	24%
350	\$ 43.78	\$ 53.05	\$ 9.27	21%
400	\$ 49.23	\$ 58.63	\$ 9.40	19%
450	\$ 54.69	\$ 64.21	\$ 9.52	17%
500	\$ 60.15	\$ 69.79	\$ 9.64	16%
550	\$ 65.36	\$ 75.36	\$ 10.00	15%
600	\$ 70.57	\$ 80.94	\$ 10.37	15%
650	\$ 75.79	\$ 86.52	\$ 10.73	14%
700	\$ 81.00	\$ 92.10	\$ 11.10	14%
750	\$ 86.21	\$ 97.68	\$ 11.46	13%
800	\$ 91.43	\$ 103.26	\$ 11.83	13%
850	\$ 96.64	\$ 108.83	\$ 12.19	13%
900	\$ 101.85	\$ 114.41	\$ 12.56	12%
950	\$ 107.07	\$ 119.99	\$ 12.92	12%
1000	\$ 112.28	\$ 125.57	\$ 13.29	12%
1050	\$ 117.13	\$ 131.15	\$ 14.01	12%
1100	\$ 121.99	\$ 136.73	\$ 14.74	12%
1150	\$ 126.84	\$ 142.31	\$ 15.47	12%
1200	\$ 131.69	\$ 147.88	\$ 16.19	12%
1250	\$ 136.54	\$ 153.46	\$ 16.92	12%
1300	\$ 141.39	\$ 159.04	\$ 17.65	12%
1350	\$ 146.25	\$ 164.62	\$ 18.37	13%
1400	\$ 151.10	\$ 170.20	\$ 19.10	13%
1450	\$ 155.95	\$ 175.78	\$ 19.83	13%
1500	\$ 160.80	\$ 181.36	\$ 20.55	13%
1550	\$ 165.65	\$ 186.93	\$ 21.28	13%
1600	\$ 170.51	\$ 192.51	\$ 22.01	13%
1650	\$ 175.36	\$ 198.09	\$ 22.73	13%
1700	\$ 180.21	\$ 203.67	\$ 23.46	13%
1750	\$ 185.06	\$ 209.25	\$ 24.18	13%
1800	\$ 189.92	\$ 214.83	\$ 24.91	13%
1850	\$ 194.77	\$ 220.40	\$ 25.64	13%
1900	\$ 199.62	\$ 225.98	\$ 26.36	13%
1950	\$ 204.47	\$ 231.56	\$ 27.09	13%
2000	\$ 209.32	\$ 237.14	\$ 27.82	13%

UGI Utilities, Inc. - Electric Division  
 Monthly Bill Comparison  
 Rate R

kWh	Current Monthly Bill	Proposed Monthly Bill	\$ Change	% Change
2050	\$ 214.18	\$ 242.72	\$ 28.54	13%
2100	\$ 219.03	\$ 248.30	\$ 29.27	13%
2150	\$ 223.88	\$ 253.88	\$ 30.00	13%
2200	\$ 228.73	\$ 259.45	\$ 30.72	13%
2250	\$ 233.58	\$ 265.03	\$ 31.45	13%
2300	\$ 238.44	\$ 270.61	\$ 32.17	13%
2350	\$ 243.29	\$ 276.19	\$ 32.90	14%
2400	\$ 248.14	\$ 281.77	\$ 33.63	14%
2450	\$ 252.99	\$ 287.35	\$ 34.35	14%
2500	\$ 257.84	\$ 292.93	\$ 35.08	14%
2550	\$ 262.70	\$ 298.50	\$ 35.81	14%
2600	\$ 267.55	\$ 304.08	\$ 36.53	14%
2650	\$ 272.40	\$ 309.66	\$ 37.26	14%
2700	\$ 277.25	\$ 315.24	\$ 37.99	14%
2750	\$ 282.11	\$ 320.82	\$ 38.71	14%
2800	\$ 286.96	\$ 326.40	\$ 39.44	14%
2850	\$ 291.81	\$ 331.97	\$ 40.17	14%
2900	\$ 296.66	\$ 337.55	\$ 40.89	14%
2950	\$ 301.51	\$ 343.13	\$ 41.62	14%
3000	\$ 306.37	\$ 348.71	\$ 42.34	14%
3050	\$ 311.22	\$ 354.29	\$ 43.07	14%
3100	\$ 316.07	\$ 359.87	\$ 43.80	14%
3150	\$ 320.92	\$ 365.45	\$ 44.52	14%
3200	\$ 325.77	\$ 371.02	\$ 45.25	14%
3250	\$ 330.63	\$ 376.60	\$ 45.98	14%
3300	\$ 335.48	\$ 382.18	\$ 46.70	14%
3350	\$ 340.33	\$ 387.76	\$ 47.43	14%
3400	\$ 345.18	\$ 393.34	\$ 48.16	14%
3450	\$ 350.03	\$ 398.92	\$ 48.88	14%
3500	\$ 354.89	\$ 404.50	\$ 49.61	14%
3550	\$ 359.74	\$ 410.07	\$ 50.33	14%
3600	\$ 364.59	\$ 415.65	\$ 51.06	14%
3650	\$ 369.44	\$ 421.23	\$ 51.79	14%
3700	\$ 374.30	\$ 426.81	\$ 52.51	14%
3750	\$ 379.15	\$ 432.39	\$ 53.24	14%
3800	\$ 384.00	\$ 437.97	\$ 53.97	14%
3850	\$ 388.85	\$ 443.54	\$ 54.69	14%
3900	\$ 393.70	\$ 449.12	\$ 55.42	14%
3950	\$ 398.56	\$ 454.70	\$ 56.15	14%
4000	\$ 403.41	\$ 460.28	\$ 56.87	14%
4050	\$ 408.26	\$ 465.86	\$ 57.60	14%

UGI Utilities, Inc. - Electric Division  
 Monthly Bill Comparison  
 Rate R

kWh	Current Monthly Bill	Proposed Monthly Bill	\$ Change	% Change
4100	\$ 413.11	\$ 471.44	\$ 58.33	14%
4150	\$ 417.96	\$ 477.02	\$ 59.05	14%
4200	\$ 422.82	\$ 482.59	\$ 59.78	14%
4250	\$ 427.67	\$ 488.17	\$ 60.50	14%
4300	\$ 432.52	\$ 493.75	\$ 61.23	14%
4350	\$ 437.37	\$ 499.33	\$ 61.96	14%
4400	\$ 442.22	\$ 504.91	\$ 62.68	14%
4450	\$ 447.08	\$ 510.49	\$ 63.41	14%
4500	\$ 451.93	\$ 516.07	\$ 64.14	14%
4550	\$ 456.78	\$ 521.64	\$ 64.86	14%
4600	\$ 461.63	\$ 527.22	\$ 65.59	14%
4650	\$ 466.49	\$ 532.80	\$ 66.32	14%
4700	\$ 471.34	\$ 538.38	\$ 67.04	14%
4750	\$ 476.19	\$ 543.96	\$ 67.77	14%
4800	\$ 481.04	\$ 549.54	\$ 68.49	14%
4850	\$ 485.89	\$ 555.11	\$ 69.22	14%
4900	\$ 490.75	\$ 560.69	\$ 69.95	14%
4950	\$ 495.60	\$ 566.27	\$ 70.67	14%
5000	\$ 500.45	\$ 571.85	\$ 71.40	14%

UGI Utilities, Inc. - Electric Division  
 Monthly Bill Comparison  
 Rate GS1

kWh	Current Monthly Bill	Proposed Monthly Bill	\$ Change	% Change
0	\$ 6.84	\$ 6.75	\$ (0.09)	-1%
50	\$ 12.54	\$ 12.45	\$ (0.09)	-1%
100	\$ 18.23	\$ 18.15	\$ (0.08)	0%
150	\$ 23.93	\$ 23.85	\$ (0.08)	0%
200	\$ 29.62	\$ 29.55	\$ (0.07)	0%
250	\$ 35.32	\$ 35.25	\$ (0.07)	0%
300	\$ 41.01	\$ 40.95	\$ (0.06)	0%
350	\$ 46.71	\$ 46.65	\$ (0.06)	0%
400	\$ 52.40	\$ 52.35	\$ (0.05)	0%
450	\$ 58.10	\$ 58.05	\$ (0.05)	0%
500	\$ 63.79	\$ 63.75	\$ (0.04)	0%
550	\$ 69.49	\$ 69.45	\$ (0.04)	0%
600	\$ 75.18	\$ 75.15	\$ (0.04)	0%
650	\$ 80.88	\$ 80.85	\$ (0.03)	0%
700	\$ 86.57	\$ 86.54	\$ (0.03)	0%
750	\$ 92.27	\$ 92.24	\$ (0.02)	0%
800	\$ 97.96	\$ 97.94	\$ (0.02)	0%
850	\$ 103.66	\$ 103.64	\$ (0.01)	0%
900	\$ 109.35	\$ 109.34	\$ (0.01)	0%
950	\$ 115.05	\$ 115.04	\$ (0.00)	0%
1000	\$ 120.74	\$ 120.74	\$ 0.00	0%
1050	\$ 126.43	\$ 126.44	\$ 0.01	0%
1100	\$ 132.13	\$ 132.14	\$ 0.01	0%
1150	\$ 137.82	\$ 137.84	\$ 0.02	0%
1200	\$ 143.52	\$ 143.54	\$ 0.02	0%
1250	\$ 149.21	\$ 149.24	\$ 0.03	0%
1300	\$ 154.91	\$ 154.94	\$ 0.03	0%
1350	\$ 160.60	\$ 160.64	\$ 0.04	0%
1400	\$ 166.30	\$ 166.34	\$ 0.04	0%
1450	\$ 171.99	\$ 172.04	\$ 0.05	0%
1500	\$ 177.69	\$ 177.74	\$ 0.05	0%
1550	\$ 183.38	\$ 183.44	\$ 0.05	0%
1600	\$ 189.08	\$ 189.14	\$ 0.06	0%
1650	\$ 194.77	\$ 194.84	\$ 0.06	0%
1700	\$ 200.47	\$ 200.54	\$ 0.07	0%
1750	\$ 206.16	\$ 206.24	\$ 0.07	0%
1800	\$ 211.86	\$ 211.94	\$ 0.08	0%
1850	\$ 217.55	\$ 217.64	\$ 0.08	0%
1900	\$ 223.25	\$ 223.34	\$ 0.09	0%
1950	\$ 228.94	\$ 229.04	\$ 0.09	0%
2000	\$ 234.64	\$ 234.74	\$ 0.10	0%

UGI Utilities, Inc. - Electric Division  
 Monthly Bill Comparison  
 Rate GS1

kWh	Current Monthly Bill	Proposed Monthly Bill	\$ Change	% Change
2050	\$ 240.33	\$ 240.44	\$ 0.10	0%
2100	\$ 246.03	\$ 246.13	\$ 0.11	0%
2150	\$ 251.72	\$ 251.83	\$ 0.11	0%
2200	\$ 257.42	\$ 257.53	\$ 0.12	0%
2250	\$ 263.11	\$ 263.23	\$ 0.12	0%
2300	\$ 268.81	\$ 268.93	\$ 0.13	0%
2350	\$ 274.50	\$ 274.63	\$ 0.13	0%
2400	\$ 280.20	\$ 280.33	\$ 0.14	0%
2450	\$ 285.89	\$ 286.03	\$ 0.14	0%
2500	\$ 291.59	\$ 291.73	\$ 0.14	0%
2550	\$ 297.28	\$ 297.43	\$ 0.15	0%
2600	\$ 302.98	\$ 303.13	\$ 0.15	0%
2650	\$ 308.67	\$ 308.83	\$ 0.16	0%
2700	\$ 314.37	\$ 314.53	\$ 0.16	0%
2750	\$ 320.06	\$ 320.23	\$ 0.17	0%
2800	\$ 325.76	\$ 325.93	\$ 0.17	0%
2850	\$ 331.45	\$ 331.63	\$ 0.18	0%
2900	\$ 337.15	\$ 337.33	\$ 0.18	0%
2950	\$ 342.84	\$ 343.03	\$ 0.19	0%
3000	\$ 348.54	\$ 348.73	\$ 0.19	0%
3050	\$ 354.23	\$ 354.43	\$ 0.20	0%
3100	\$ 359.93	\$ 360.13	\$ 0.20	0%
3150	\$ 365.62	\$ 365.83	\$ 0.21	0%
3200	\$ 371.32	\$ 371.53	\$ 0.21	0%
3250	\$ 377.01	\$ 377.23	\$ 0.22	0%
3300	\$ 382.71	\$ 382.93	\$ 0.22	0%
3350	\$ 388.40	\$ 388.63	\$ 0.22	0%
3400	\$ 394.10	\$ 394.33	\$ 0.23	0%
3450	\$ 399.79	\$ 400.03	\$ 0.23	0%
3500	\$ 405.49	\$ 405.72	\$ 0.24	0%
3550	\$ 411.18	\$ 411.42	\$ 0.24	0%
3600	\$ 416.88	\$ 417.12	\$ 0.25	0%
3650	\$ 422.57	\$ 422.82	\$ 0.25	0%
3700	\$ 428.27	\$ 428.52	\$ 0.26	0%
3750	\$ 433.96	\$ 434.22	\$ 0.26	0%
3800	\$ 439.66	\$ 439.92	\$ 0.27	0%
3850	\$ 445.35	\$ 445.62	\$ 0.27	0%
3900	\$ 451.04	\$ 451.32	\$ 0.28	0%
3950	\$ 456.74	\$ 457.02	\$ 0.28	0%
4000	\$ 462.43	\$ 462.72	\$ 0.29	0%
4050	\$ 468.13	\$ 468.42	\$ 0.29	0%

UGI Utilities, Inc. - Electric Division  
 Monthly Bill Comparison  
 Rate GS1

kWh	Current Monthly Bill	Proposed Monthly Bill	\$ Change	% Change
4100	\$ 473.82	\$ 474.12	\$ 0.30	0%
4150	\$ 479.52	\$ 479.82	\$ 0.30	0%
4200	\$ 485.21	\$ 485.52	\$ 0.31	0%
4250	\$ 490.91	\$ 491.22	\$ 0.31	0%
4300	\$ 496.60	\$ 496.92	\$ 0.31	0%
4350	\$ 502.30	\$ 502.62	\$ 0.32	0%
4400	\$ 507.99	\$ 508.32	\$ 0.32	0%
4450	\$ 513.69	\$ 514.02	\$ 0.33	0%
4500	\$ 519.38	\$ 519.72	\$ 0.33	0%
4550	\$ 525.08	\$ 525.42	\$ 0.34	0%
4600	\$ 530.77	\$ 531.12	\$ 0.34	0%
4650	\$ 536.47	\$ 536.82	\$ 0.35	0%
4700	\$ 542.16	\$ 542.52	\$ 0.35	0%
4750	\$ 547.86	\$ 548.22	\$ 0.36	0%
4800	\$ 553.55	\$ 553.92	\$ 0.36	0%
4850	\$ 559.25	\$ 559.61	\$ 0.37	0%
4900	\$ 564.94	\$ 565.31	\$ 0.37	0%
4950	\$ 570.64	\$ 571.01	\$ 0.38	0%
5000	\$ 576.33	\$ 576.71	\$ 0.38	0%

UGI Utilities, Inc. - Electric Division  
 Monthly Bill Comparison  
 Rate GS5

kWh	Current Monthly Bill	Proposed Monthly Bill	\$ Change	% Change
0	\$ 5.57	\$ 14.00	\$ 8.43	151%
50	\$ 10.85	\$ 19.31	\$ 8.46	78%
100	\$ 16.13	\$ 24.63	\$ 8.50	53%
150	\$ 21.41	\$ 29.94	\$ 8.53	40%
200	\$ 26.69	\$ 35.25	\$ 8.57	32%
250	\$ 31.96	\$ 40.57	\$ 8.60	27%
300	\$ 37.24	\$ 45.88	\$ 8.64	23%
350	\$ 42.52	\$ 51.19	\$ 8.67	20%
400	\$ 47.80	\$ 56.50	\$ 8.71	18%
450	\$ 53.08	\$ 61.82	\$ 8.74	16%
500	\$ 58.35	\$ 67.13	\$ 8.78	15%
550	\$ 62.03	\$ 70.79	\$ 8.76	14%
600	\$ 65.70	\$ 74.45	\$ 8.75	13%
650	\$ 69.37	\$ 78.10	\$ 8.73	13%
700	\$ 73.05	\$ 81.76	\$ 8.71	12%
750	\$ 76.72	\$ 85.42	\$ 8.70	11%
800	\$ 80.40	\$ 89.07	\$ 8.68	11%
850	\$ 84.07	\$ 92.73	\$ 8.66	10%
900	\$ 87.74	\$ 96.39	\$ 8.65	10%
950	\$ 91.42	\$ 100.05	\$ 8.63	9%
1000	\$ 95.09	\$ 103.70	\$ 8.61	9%
1050	\$ 113.37	\$ 125.58	\$ 12.21	11%
1100	\$ 118.04	\$ 130.89	\$ 12.85	11%
1150	\$ 122.71	\$ 136.20	\$ 13.49	11%
1200	\$ 127.38	\$ 141.51	\$ 14.13	11%
1250	\$ 132.06	\$ 146.83	\$ 14.77	11%
1300	\$ 136.73	\$ 152.14	\$ 15.41	11%
1350	\$ 141.40	\$ 157.45	\$ 16.05	11%
1400	\$ 146.07	\$ 162.77	\$ 16.69	11%
1450	\$ 150.75	\$ 168.08	\$ 17.33	11%
1500	\$ 155.42	\$ 173.39	\$ 17.97	12%
1550	\$ 160.09	\$ 178.71	\$ 18.61	12%
1600	\$ 164.77	\$ 184.02	\$ 19.25	12%
1650	\$ 169.44	\$ 189.33	\$ 19.89	12%
1700	\$ 174.11	\$ 194.65	\$ 20.53	12%
1750	\$ 178.78	\$ 199.96	\$ 21.17	12%
1800	\$ 183.46	\$ 205.27	\$ 21.81	12%
1850	\$ 188.13	\$ 210.58	\$ 22.46	12%
1900	\$ 192.80	\$ 215.90	\$ 23.10	12%
1950	\$ 197.47	\$ 221.21	\$ 23.74	12%
2000	\$ 202.15	\$ 226.52	\$ 24.38	12%

UGI Utilities, Inc. - Electric Division  
 Monthly Bill Comparison  
 Rate GS5

kWh	Current Monthly Bill	Proposed Monthly Bill	\$ Change	% Change
2050	\$ 206.82	\$ 231.84	\$ 25.02	12%
2100	\$ 211.49	\$ 237.15	\$ 25.66	12%
2150	\$ 216.17	\$ 242.46	\$ 26.30	12%
2200	\$ 220.84	\$ 247.78	\$ 26.94	12%
2250	\$ 225.51	\$ 253.09	\$ 27.58	12%
2300	\$ 230.18	\$ 258.40	\$ 28.22	12%
2350	\$ 234.86	\$ 263.72	\$ 28.86	12%
2400	\$ 239.53	\$ 269.03	\$ 29.50	12%
2450	\$ 244.20	\$ 274.34	\$ 30.14	12%
2500	\$ 248.87	\$ 279.65	\$ 30.78	12%
2550	\$ 253.55	\$ 284.97	\$ 31.42	12%
2600	\$ 258.22	\$ 290.28	\$ 32.06	12%
2650	\$ 262.89	\$ 295.59	\$ 32.70	12%
2700	\$ 267.57	\$ 300.91	\$ 33.34	12%
2750	\$ 272.24	\$ 306.22	\$ 33.98	12%
2800	\$ 276.91	\$ 311.53	\$ 34.62	13%
2850	\$ 281.58	\$ 316.85	\$ 35.26	13%
2900	\$ 286.26	\$ 322.16	\$ 35.90	13%
2950	\$ 290.93	\$ 327.47	\$ 36.54	13%
3000	\$ 295.60	\$ 332.79	\$ 37.18	13%
3050	\$ 300.27	\$ 338.10	\$ 37.82	13%
3100	\$ 304.95	\$ 343.41	\$ 38.47	13%
3150	\$ 309.62	\$ 348.73	\$ 39.11	13%
3200	\$ 314.29	\$ 354.04	\$ 39.75	13%
3250	\$ 318.96	\$ 359.35	\$ 40.39	13%
3300	\$ 323.64	\$ 364.66	\$ 41.03	13%
3350	\$ 328.31	\$ 369.98	\$ 41.67	13%
3400	\$ 332.98	\$ 375.29	\$ 42.31	13%
3450	\$ 337.66	\$ 380.60	\$ 42.95	13%
3500	\$ 342.33	\$ 385.92	\$ 43.59	13%
3550	\$ 347.00	\$ 391.23	\$ 44.23	13%
3600	\$ 351.67	\$ 396.54	\$ 44.87	13%
3650	\$ 356.35	\$ 401.86	\$ 45.51	13%
3700	\$ 361.02	\$ 407.17	\$ 46.15	13%
3750	\$ 365.69	\$ 412.48	\$ 46.79	13%
3800	\$ 370.36	\$ 417.80	\$ 47.43	13%
3850	\$ 375.04	\$ 423.11	\$ 48.07	13%
3900	\$ 379.71	\$ 428.42	\$ 48.71	13%
3950	\$ 384.38	\$ 433.73	\$ 49.35	13%
4000	\$ 389.06	\$ 439.05	\$ 49.99	13%
4050	\$ 393.73	\$ 444.36	\$ 50.63	13%



UGI Utilities, Inc. - Electric Division  
 Monthly Bill Comparison  
 Rate GS5

kWh	Current Monthly Bill	Proposed Monthly Bill	\$ Change	% Change
4100	\$ 398.40	\$ 449.67	\$ 51.27	13%
4150	\$ 403.07	\$ 454.99	\$ 51.91	13%
4200	\$ 407.75	\$ 460.30	\$ 52.55	13%
4250	\$ 412.42	\$ 465.61	\$ 53.19	13%
4300	\$ 417.09	\$ 470.93	\$ 53.84	13%
4350	\$ 421.76	\$ 476.24	\$ 54.48	13%
4400	\$ 426.44	\$ 481.55	\$ 55.12	13%
4450	\$ 431.11	\$ 486.87	\$ 55.76	13%
4500	\$ 435.78	\$ 492.18	\$ 56.40	13%
4550	\$ 440.45	\$ 497.49	\$ 57.04	13%
4600	\$ 445.13	\$ 502.80	\$ 57.68	13%
4650	\$ 449.80	\$ 508.12	\$ 58.32	13%
4700	\$ 454.47	\$ 513.43	\$ 58.96	13%
4750	\$ 459.15	\$ 518.74	\$ 59.60	13%
4800	\$ 463.82	\$ 524.06	\$ 60.24	13%
4850	\$ 468.49	\$ 529.37	\$ 60.88	13%
4900	\$ 473.16	\$ 534.68	\$ 61.52	13%
4950	\$ 477.84	\$ 540.00	\$ 62.16	13%
5000	\$ 482.51	\$ 545.31	\$ 62.80	13%

UGI Utilities, Inc. - Electric Division  
 Monthly Bill Comparison  
 Rate GS4

Average Demand of 5 kW

Hours Use	Load Factor	kWh	Current Monthly Bill	Proposed Monthly Bill	\$ Change	% Change
0	0.0%	0	\$ 19.16	\$ 17.95	\$ (1.21)	-6%
73	10.0%	365	\$ 57.12	\$ 56.21	\$ (0.90)	-2%
146	20.0%	730	\$ 95.08	\$ 94.48	\$ (0.60)	-1%
219	30.0%	1095	\$ 132.33	\$ 132.09	\$ (0.24)	0%
292	40.0%	1460	\$ 167.59	\$ 167.88	\$ 0.29	0%
365	50.0%	1825	\$ 202.85	\$ 203.66	\$ 0.81	0%
438	60.0%	2190	\$ 238.11	\$ 239.45	\$ 1.34	1%
511	70.0%	2555	\$ 273.21	\$ 275.08	\$ 1.87	1%
584	80.0%	2920	\$ 307.47	\$ 309.87	\$ 2.41	1%
657	90.0%	3285	\$ 341.72	\$ 344.66	\$ 2.95	1%
730	100.0%	3650	\$ 375.97	\$ 379.46	\$ 3.49	1%

UGI Utilities, Inc. - Electric Division  
 Monthly Bill Comparison  
 Rate GS4

Average Demand of 15 kW

Hours Use	Load Factor	kWh	Current Monthly Bill	Proposed Monthly Bill	\$ Change	% Change
0	0.0%	-	\$ 57.47	\$ 53.85	\$ (3.62)	-6%
73	10.0%	1,095	\$ 171.35	\$ 168.64	\$ (2.71)	-2%
146	20.0%	2,190	\$ 285.23	\$ 283.43	\$ (1.80)	-1%
219	30.0%	3,285	\$ 396.99	\$ 396.28	\$ (0.72)	0%
292	40.0%	4,380	\$ 502.77	\$ 503.63	\$ 0.86	0%
365	50.0%	5,475	\$ 608.54	\$ 610.99	\$ 2.44	0%
438	60.0%	6,570	\$ 714.32	\$ 718.34	\$ 4.02	1%
511	70.0%	7,665	\$ 819.64	\$ 825.24	\$ 5.61	1%
584	80.0%	8,760	\$ 922.40	\$ 929.62	\$ 7.22	1%
657	90.0%	9,855	\$ 1,025.15	\$ 1,033.99	\$ 8.84	1%
730	100.0%	10,950	\$ 1,127.91	\$ 1,138.37	\$ 10.46	1%

UGI Utilities, Inc. - Electric Division  
 Monthly Bill Comparison  
 Rate GS4

Average Demand of 25 kW

Hours Use	Load Factor	kWh	Current Monthly Bill	Proposed Monthly Bill	\$ Change	% Change
0	0.0%	-	\$ 84.18	\$ 78.30	\$ (5.88)	-7%
73	10.0%	1,825	\$ 273.97	\$ 269.61	\$ (4.36)	-2%
146	20.0%	3,650	\$ 463.77	\$ 460.93	\$ (2.84)	-1%
219	30.0%	5,475	\$ 650.05	\$ 649.01	\$ (1.04)	0%
292	40.0%	7,300	\$ 826.34	\$ 827.94	\$ 1.59	0%
365	50.0%	9,125	\$ 1,002.63	\$ 1,006.86	\$ 4.23	0%
438	60.0%	10,950	\$ 1,178.93	\$ 1,185.78	\$ 6.86	1%
511	70.0%	12,775	\$ 1,354.46	\$ 1,363.96	\$ 9.50	1%
584	80.0%	14,600	\$ 1,525.72	\$ 1,537.92	\$ 12.20	1%
657	90.0%	16,425	\$ 1,696.98	\$ 1,711.87	\$ 14.90	1%
730	100.0%	18,250	\$ 1,868.24	\$ 1,885.83	\$ 17.59	1%

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - IV-E - Cost of Service Study, Allocations to Each Tariff  
Rate Schedule  
Delivered on January 26, 2018

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IV-E-1

Request:

Provide a cost study which allocates the total cost of service to each proposed tariff rate schedule. Tariff rates schedules may be combined for this purpose provided that they are of a similar supply or end use nature. A statement describing which rates were combined and the reasons therefor should be submitted.

The rates of return for each tariff rate schedule as defined above should be determined at both the present and proposed rate levels. Base rate revenues should be used for this purpose unless there are good and sufficient reasons to include revenues derived from other sources. Should the latter be the case, an explanation of other revenue sources included and reasons therefor should accompany the cost allocation study.

The methods selected for use in allocating costs to rate classes should include cost analyses based on:

- a. Peak responsibility.
- b. Average and excess, on a non-coincident demand basis.
- c. Company preferred method if different from the above-referenced methods, with rationale behind the selection.

This study should include a statement of the source and age of the load data used in the determination of demand responsibilities, a description of any special studies used to prepare the cost study, and the most recent overall system line loss study.

The cost data used in the allocation study may be based on the test year.

Response:

Please see UGI Electric Book IX, Exhibit D – Cost of Service Study and the Direct Testimony of John D. Taylor, UGI Electric Statement No. 6. Also, for further clarification of rate classes, please see the Direct Testimony of David E. Lahoff, UGI Electric Statement No. 8.

Prepared by or under the supervision of: John D. Taylor

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - IV-E - Cost of Service Study, Allocations to Each Tariff  
Rate Schedule  
Delivered on January 26, 2018

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IV-E-2

Request:

Provide comparisons in either graphical or tabular form showing cost, as defined in the cost of service study, and proposed base rate revenues and usage for all residential and demand/energy rate schedules. Demand shall be for representative loads for each demand/energy rate schedule.

Response:

Please see the Direct Testimony of John D. Taylor, UGI Electric Statement No. 6, for the requested information.

Prepared by or under the supervision of: John D. Taylor

**V. PLANT & DEPRECIATION SUPPORTING DATA**

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - V-A - Adjusted Original Cost Plant with Accum Book &  
Calc Depn at Test Year-End  
Delivered on January 26, 2018

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V-A-1

Request:

Provide schedules supporting claimed amounts for Electric Plant in Service by function and by account if available.

Response:

Supporting schedules for Electric Plant in Service at September 30, 2017 are contained on pages II-3 through II-4 and pages III-4 through III-60 of UGI Electric Exhibit C (Historic).

Supporting schedules for Electric Plant in Service at September 30, 2018 are contained on pages V-4 through V-5 and pages VII-4 through V-58 of UGI Electric Exhibit C (Future).

Supporting schedules for Electric Plant in Service at September 30, 2019 are contained on pages II-3 through II-4 and pages III-4 through III-56 of UGI Electric Exhibit C (Fully Projected).

Prepared by or under the supervision of: John F. Wiedmayer



UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - V-A - Adjusted Original Cost Plant with Accum Book &  
Calc Depn at Test Year-End  
Delivered on January 26, 2018

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V-A-2

Request:

Provide a comparison of calculated depreciation reserve versus book reserve at the end of the test year. Provide this comparison by functional group and by account if available.

Response:

The comparisons are set forth on the pages which follow. Attachment V-A-2 presents the comparison of calculated and book reserves as of the end of the respective test year-end periods.

Prepared by or under the supervision of: John F. Wiedmayer

UGI UTILITIES, INC. - ELECTRIC DIVISION

COMPARISON OF CALCULATED ACCRUED DEPRECIATION  
 AND BOOK RESERVE AS OF SEPTEMBER 30, 2017

ACCOUNT (1)	CALCULATED ACCRUED DEPRECIATION (2)	BOOK RESERVE (3)
<b><u>ELECTRIC PLANT</u></b>		
<b>DISTRIBUTION PLANT</b>		
361 STRUCTURES AND IMPROVEMENTS	8,172	7,361
362 STATION EQUIPMENT	386,449	136,836
364 POLES, TOWERS AND FIXTURES	12,159,213	12,500,003
365 OVERHEAD CONDUCTORS AND DEVICES	9,031,231	9,696,167
366 UNDERGROUND CONDUIT	1,364,985	1,811,798
367 UNDERGROUND CONDUCTORS AND DEVICES	3,037,777	2,696,846
368.1 TRANSFORMERS	6,001,351	7,113,929
368.2 TRANSFORMER INSTALLATIONS	4,261,292	4,977,211
369 SERVICES	5,142,589	6,251,682
370.1 METERS	1,749,624	1,904,272
370.2 METER INSTALLATIONS	633,164	683,500
370.3 ELECTRONIC METERS	2,717,523	3,316,563
371 INSTALLATIONS ON CUSTOMER PREMISES	774,079	730,370
371.5 INSTALLATIONS ON CUSTOMER PREMISES - DUSK TO DAWN LIGHTS	274,547	311,695
373 STREET LIGHTING AND SIGNAL SYSTEMS	775,909	826,763
<b>TOTAL DISTRIBUTION PLANT</b>	<b>48,317,905</b>	<b>52,964,996</b>
<b>GENERAL PLANT</b>		
390.1 STRUCTURES AND IMPROVEMENTS	556,551	751,929
390.2 IMPROVEMENTS TO LEASED PROPERTY	53,383	63,803
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	11,657	11,472
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	6,624	10,623
391.92 OFFICE FURNITURE AND EQUIPMENT - OUTAGE MANAGEMENT SOFTWARE	546,924	517,036
392.2 TRANSPORTATION EQUIPMENT - TRUCKS	0	100
393 STORES EQUIPMENT	12,621	12,827
394 TOOLS, SHOP AND GARAGE EQUIPMENT	320,700	322,714
395 LABORATORY EQUIPMENT	83,095	83,567
396 POWER OPERATED EQUIPMENT	126,084	143,170
397 COMMUNICATION EQUIPMENT	861,472	864,570
398 MISCELLANEOUS EQUIPMENT	69,150	68,903
<b>TOTAL GENERAL PLANT</b>	<b>2,648,261</b>	<b>2,850,714</b>
<b>TOTAL DEPRECIABLE PLANT</b>	<b>50,966,166</b>	<b>55,815,710</b>
<b><u>OTHER UTILITY PLANT*</u></b>		
<b>COMMON PLANT</b>		
390.2 STRUCTURES AND IMPROVEMENTS - LEASED PROPERTY	137,574	77,496
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	343,551	173,431
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	137,944	96,429
392.1 TRANSPORTATION EQUIPMENT - CARS	56,187	63,262
<b>TOTAL COMMON PLANT</b>	<b>675,256</b>	<b>410,618</b>
<b>INFORMATION SERVICES (IS)</b>		
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	59,227	59,091
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	2,990,930	2,776,901
391.3 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 10 YEARS	13,904,244	14,295,647
391.4 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 15 YEARS	9,048,623	7,227,155
<b>TOTAL INFORMATION SERVICES</b>	<b>26,003,024</b>	<b>24,358,794</b>
<b>READING SERVICE CENTER</b>		
390 STRUCTURES AND IMPROVEMENTS	1,127,043	1,196,596
<b>TOTAL OTHER UTILITY PLANT</b>	<b>27,805,323</b>	<b>25,966,008</b>

\* AMOUNTS SHOWN FOR OTHER UTILITY PLANT ARE PRIOR TO ALLOCATION TO ELECTRIC DIVISION.

UGI UTILITIES, INC. - ELECTRIC DIVISION

COMPARISON OF CALCULATED ACCRUED DEPRECIATION  
AND BOOK RESERVE AS OF SEPTEMBER 30, 2018

ACCOUNT (1)	CALCULATED ACCRUED DEPRECIATION (2)	BOOK RESERVE (3)
<b><u>ELECTRIC PLANT</u></b>		
<b>DISTRIBUTION PLANT</b>		
361 STRUCTURES AND IMPROVEMENTS	8,309	7,647
362 STATION EQUIPMENT	289,795	65,347
364 POLES, TOWERS AND FIXTURES	12,693,093	12,836,360
365 OVERHEAD CONDUCTORS AND DEVICES	9,611,220	10,349,964
366 UNDERGROUND CONDUIT	1,436,702	1,849,398
367 UNDERGROUND CONDUCTORS AND DEVICES	3,113,711	2,751,761
368.1 TRANSFORMERS	6,130,356	7,213,446
368.2 TRANSFORMER INSTALLATIONS	4,438,424	5,106,927
369 SERVICES	5,372,756	6,505,019
370.1 METERS	1,783,648	1,949,884
370.2 METER INSTALLATIONS	659,077	711,001
370.3 ELECTRONIC METERS	2,912,619	3,468,920
371 INSTALLATIONS ON CUSTOMER PREMISES	820,656	820,517
371.5 INSTALLATIONS ON CUSTOMER PREMISES - DUSK TO DAWN LIGHTS	281,032	317,118
373 STREET LIGHTING AND SIGNAL SYSTEMS	749,947	768,258
<b>TOTAL DISTRIBUTION PLANT</b>	<b>50,301,345</b>	<b>54,721,567</b>
<b>GENERAL PLANT</b>		
390.1 STRUCTURES AND IMPROVEMENTS	601,260	813,557
390.2 IMPROVEMENTS TO LEASED PROPERTY	0	0
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	16,339	16,219
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	19,608	20,263
391.92 OFFICE FURNITURE AND EQUIPMENT - OUTAGE MANAGEMENT SOFTWARE	75,000	10,627
392.2 TRANSPORTATION EQUIPMENT - TRUCKS	0	0
393 STORES EQUIPMENT	1,126	839
394 TOOLS, SHOP AND GARAGE EQUIPMENT	364,942	366,605
395 LABORATORY EQUIPMENT	100,024	100,361
396 POWER OPERATED EQUIPMENT	128,488	143,476
397 COMMUNICATION EQUIPMENT	745,943	736,111
398 MISCELLANEOUS EQUIPMENT	59,181	58,229
<b>TOTAL GENERAL PLANT</b>	<b>2,111,911</b>	<b>2,266,287</b>
<b>TOTAL DEPRECIABLE PLANT</b>	<b>52,413,256</b>	<b>56,987,854</b>
<b><u>OTHER UTILITY PLANT*</u></b>		
<b>COMMON PLANT</b>		
390.2 STRUCTURES AND IMPROVEMENTS - LEASED PROPERTY	154,739	134,707
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	385,572	232,426
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	36,370	11,462
392.1 TRANSPORTATION EQUIPMENT - CARS	59,445	65,970
<b>TOTAL COMMON PLANT</b>	<b>636,126</b>	<b>444,565</b>
<b>INFORMATION SERVICES (IS)</b>		
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	37,549	36,966
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	4,223,569	4,061,171
391.3 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 10 YEARS	4,154,438	4,420,391
391.4 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 15 YEARS	14,744,054	13,284,023
<b>TOTAL INFORMATION SERVICES</b>	<b>23,159,610</b>	<b>21,802,551</b>
<b>READING SERVICE CENTER</b>		
390 STRUCTURES AND IMPROVEMENTS	1,192,701	1,259,462
<b>TOTAL OTHER UTILITY PLANT</b>	<b>24,988,437</b>	<b>23,506,578</b>

\* AMOUNTS SHOWN FOR OTHER UTILITY PLANT ARE PRIOR TO ALLOCATION TO ELECTRIC DIVISION.

UGI UTILITIES, INC. - ELECTRIC DIVISION

COMPARISON OF CALCULATED ACCRUED DEPRECIATION  
AND BOOK RESERVE AS OF SEPTEMBER 30, 2019

ACCOUNT (1)	CALCULATED ACCRUED DEPRECIATION (2)	BOOK RESERVE (3)
<b><u>ELECTRIC PLANT</u></b>		
<b>DISTRIBUTION PLANT</b>		
361 STRUCTURES AND IMPROVEMENTS	8,445	7,925
362 STATION EQUIPMENT	315,989	(97,494)
364 POLES, TOWERS AND FIXTURES	13,256,309	13,198,673
365 OVERHEAD CONDUCTORS AND DEVICES	10,235,292	11,039,807
366 UNDERGROUND CONDUIT	1,520,436	1,897,136
367 UNDERGROUND CONDUCTORS AND DEVICES	3,219,591	2,840,097
368.1 TRANSFORMERS	6,270,881	7,316,624
368.2 TRANSFORMER INSTALLATIONS	4,630,235	5,258,717
369 SERVICES	5,618,862	6,759,780
370.1 METERS	1,816,032	1,991,811
370.2 METER INSTALLATIONS	685,056	737,710
370.3 ELECTRONIC METERS	3,095,918	3,619,025
371 INSTALLATIONS ON CUSTOMER PREMISES	864,509	899,167
371.5 INSTALLATIONS ON CUSTOMER PREMISES - DUSK TO DAWN LIGHTS	287,013	321,950
373 STREET LIGHTING AND SIGNAL SYSTEMS	726,603	715,138
<b>TOTAL DISTRIBUTION PLANT</b>	<b>52,551,171</b>	<b>56,506,066</b>
<b>GENERAL PLANT</b>		
390.1 STRUCTURES AND IMPROVEMENTS	27,847	(378,568)
390.2 IMPROVEMENTS TO LEASED PROPERTY	0	0
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	24,449	24,319
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	41,729	41,942
391.92 OFFICE FURNITURE AND EQUIPMENT - OUTAGE MANAGEMENT SOFTWARE	225,000	174,952
392.2 TRANSPORTATION EQUIPMENT - TRUCKS	0	0
393 STORES EQUIPMENT	1,448	1,205
394 TOOLS, SHOP AND GARAGE EQUIPMENT	396,787	396,578
395 LABORATORY EQUIPMENT	105,800	105,454
396 POWER OPERATED EQUIPMENT	130,536	143,753
397 COMMUNICATION EQUIPMENT	492,765	473,101
398 MISCELLANEOUS EQUIPMENT	27,180	25,243
<b>TOTAL GENERAL PLANT</b>	<b>1,473,541</b>	<b>1,007,979</b>
<b>TOTAL DEPRECIABLE PLANT</b>	<b>54,024,712</b>	<b>57,514,045</b>
<b><u>OTHER UTILITY PLANT*</u></b>		
<b>COMMON PLANT</b>		
390.1 STRUCTURES AND IMPROVEMENTS	763,518	803,197
390.2 STRUCTURES AND IMPROVEMENTS - LEASED PROPERTY	0	0
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	491,750	388,464
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	298,493	666,190
392.1 TRANSPORTATION EQUIPMENT - CARS	61,915	68,155
<b>TOTAL COMMON PLANT</b>	<b>1,615,676</b>	<b>1,926,006</b>
<b>INFORMATION SERVICES (IS)</b>		
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	33,574	33,035
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	5,348,860	5,133,432
391.3 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 10 YEARS	4,450,137	4,603,370
391.4 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 15 YEARS	22,299,405	21,063,492
<b>TOTAL INFORMATION SERVICES</b>	<b>32,131,976</b>	<b>30,833,329</b>
<b>READING SERVICE CENTER</b>		
390 STRUCTURES AND IMPROVEMENTS	1,258,184	1,321,933
<b>TOTAL OTHER UTILITY PLANT</b>	<b>35,005,836</b>	<b>34,081,268</b>

\* AMOUNTS SHOWN FOR OTHER UTILITY PLANT ARE PRIOR TO ALLOCATION TO ELECTRIC DIVISION.

UGI Utilities, Inc. - Electric Division  
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Responses to Section 53.53 - V-A - Adjusted Original Cost Plant with Accum Book &  
Calc Depn at Test Year-End  
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V-A-3

Request:

Provide supporting schedules which indicate the procedures and calculations employed to develop the original cost plant and applicable reserves to the test year end as submitted in the current proceeding.

Response:

Supporting schedules developing original cost plant are listed on Table 3 of UGI Electric Exhibit C (Future) and UGI Electric Exhibit C (Fully Projected).

The development of book reserve is set forth on Table 2 of UGI Electric Exhibit C (Future) and Table 2 UGI Electric Exhibit C (Fully Projected).

Prepared by or under the supervision of: John F. Wiedmayer

UGI Utilities, Inc. - Electric Division  
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V-A-4

Request:

Provide a schedule showing details of rate case adjustments.

Response:

Please see Schedule D of UGI Electric Exhibit A (Fully Projected), UGI Electric Exhibit A (Future), and UGI Electric Exhibit A (Historic).

Prepared by or under the supervision of: Megan Mattern

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
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V-B-1

Request:

Provide a comparison of calculated depreciation accruals versus book accruals by function and by account if available.

Response:

The comparison of the calculated depreciation accruals versus book accruals by function and by account are presented on the following pages as Attachment V-B-1. Attachment V-B-1 presents the comparison of the calculated depreciation accruals versus book accruals by function and by account as of September 30, 2018 and September 30, 2019, respectively.

The book accruals for the future test year period were determined using the calculated annual accrual rates as of September 30, 2017 and the average annual plant balances for the future test year period. The calculated annual accrual rates as of September 30, 2018, and average monthly plant balances are the bases for book accruals during the period October 1, 2018 through September 30, 2019.

Prepared by or under the supervision of: John F. Wiedmayer

**UGI UTILITIES, INC. - ELECTRIC DIVISION**  
**COMPARISON OF CALCULATED AND BOOK**  
**DEPRECIATION ACCRUALS AS OF SEPTEMBER 30, 2018**

ACCOUNT (1)	CALCULATED DEPRECIATION ACCRUALS (2)	BOOK DEPRECIATION ACCRUALS (3)
<b><u>ELECTRIC PLANT</u></b>		
<b>DISTRIBUTION PLANT</b>		
361 STRUCTURES AND IMPROVEMENTS	278	286
362 STATION EQUIPMENT	167,555	169,042
364 POLES, TOWERS AND FIXTURES	805,462	770,738
365 OVERHEAD CONDUCTORS AND DEVICES	797,822	767,907
366 UNDERGROUND CONDUIT	96,969	91,468
367 UNDERGROUND CONDUCTORS AND DEVICES	275,335	258,781
368.1 TRANSFORMERS	282,821	270,829
368.2 TRANSFORMER INSTALLATIONS	243,175	226,097
369 SERVICES	261,407	251,268
370.1 METERS	61,972	65,612
370.2 METER INSTALLATIONS	25,215	25,174
370.3 ELECTRONIC METERS	161,828	164,357
371 INSTALLATIONS ON CUSTOMER PREMISES	72,696	81,636
371.5 INSTALLATIONS ON CUSTOMER PREMISES - DUSK TO DAWN LIGHTS	4,838	5,423
373 STREET LIGHTING AND SIGNAL SYSTEMS	49,877	44,200
<b>TOTAL DISTRIBUTION PLANT</b>	<b>3,307,250</b>	<b>3,192,818</b>
<b>GENERAL PLANT</b>		
390.1 STRUCTURES AND IMPROVEMENTS	29,538	32,214
390.2 IMPROVEMENTS TO LEASED PROPERTY	0	0
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	7,749	4,747
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	20,894	9,640
391.92 OFFICE FURNITURE AND EQUIPMENT - OUTAGE MANAGEMENT SOFTWARE	164,305	101,284
392.2 TRANSPORTATION EQUIPMENT - TRUCKS	0	0
393 STORES EQUIPMENT	366	451
394 TOOLS, SHOP AND GARAGE EQUIPMENT	46,892	43,891
395 LABORATORY EQUIPMENT	16,274	16,794
396 POWER OPERATED EQUIPMENT	282	306
397 COMMUNICATION EQUIPMENT	99,956	101,504
398 MISCELLANEOUS EQUIPMENT	6,763	8,120
<b>TOTAL GENERAL PLANT</b>	<b>393,019</b>	<b>318,951</b>
<b>TOTAL DEPRECIABLE PLANT</b>	<b>3,700,269</b>	<b>3,511,769</b>
<b><u>OTHER UTILITY PLANT*</u></b>		
<b>COMMON PLANT</b>		
390.2 STRUCTURES AND IMPROVEMENTS - LEASED PROPERTY	28,614	57,211
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	59,480	58,995
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	27,586	41,338
392.1 TRANSPORTATION EQUIPMENT - CARS	2,188	2,708
<b>TOTAL COMMON PLANT</b>	<b>117,868</b>	<b>160,252</b>
<b>INFORMATION SERVICES (IS)</b>		
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	2,397	2,505
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	1,865,274	1,895,635
391.3 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 10 YEARS	714,196	716,513
391.4 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 15 YEARS	6,335,868	6,056,868
<b>TOTAL INFORMATION SERVICES</b>	<b>8,917,735</b>	<b>8,671,521</b>
<b>READING SERVICE CENTER</b>		
390 STRUCTURES AND IMPROVEMENTS	62,433	62,866
<b>TOTAL OTHER UTILITY PLANT</b>	<b>9,098,036</b>	<b>8,894,639</b>

\* AMOUNTS SHOWN FOR OTHER UTILITY PLANT ARE PRIOR TO ALLOCATION TO ELECTRIC DIVISION.



**UGI UTILITIES, INC. - ELECTRIC DIVISION**  
**COMPARISON OF CALCULATED AND BOOK**  
**DEPRECIATION ACCRUALS AS OF SEPTEMBER 30, 2019**

<b>ACCOUNT</b>	<b>CALCULATED DEPRECIATION ACCRUALS</b>	<b>BOOK DEPRECIATION ACCRUALS</b>
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>
<b><u>ELECTRIC PLANT</u></b>		
<b>DISTRIBUTION PLANT</b>		
361 STRUCTURES AND IMPROVEMENTS	269	278
362 STATION EQUIPMENT	276,863	202,602
364 POLES, TOWERS AND FIXTURES	868,526	831,252
365 OVERHEAD CONDUCTORS AND DEVICES	863,094	828,776
366 UNDERGROUND CONDUIT	105,283	99,872
367 UNDERGROUND CONDUCTORS AND DEVICES	302,432	290,121
368.1 TRANSFORMERS	304,037	288,655
368.2 TRANSFORMER INSTALLATIONS	267,598	251,411
369 SERVICES	280,653	268,613
370.1 METERS	58,659	61,927
370.2 METER INSTALLATIONS	25,270	25,269
370.3 ELECTRONIC METERS	158,314	162,105
371 INSTALLATIONS ON CUSTOMER PREMISES	67,143	73,062
371.5 INSTALLATIONS ON CUSTOMER PREMISES - DUSK TO DAWN LIGHTS	4,280	4,832
373 STREET LIGHTING AND SIGNAL SYSTEMS	55,277	50,428
<b>TOTAL DISTRIBUTION PLANT</b>	<b>3,637,698</b>	<b>3,439,203</b>
<b>GENERAL PLANT</b>		
390.1 STRUCTURES AND IMPROVEMENTS	311,993	29,551
390.2 IMPROVEMENTS TO LEASED PROPERTY	0	0
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	8,502	8,100
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	22,649	21,679
391.92 OFFICE FURNITURE AND EQUIPMENT - OUTAGE MANAGEMENT SOFTWARE	164,299	164,325
392.2 TRANSPORTATION EQUIPMENT - TRUCKS	0	0
393 STORES EQUIPMENT	366	366
394 TOOLS, SHOP AND GARAGE EQUIPMENT	51,183	47,525
395 LABORATORY EQUIPMENT	16,023	15,716
396 POWER OPERATED EQUIPMENT	259	277
397 COMMUNICATION EQUIPMENT	74,891	83,765
398 MISCELLANEOUS EQUIPMENT	4,539	5,001
<b>TOTAL GENERAL PLANT</b>	<b>654,704</b>	<b>376,305</b>
<b>TOTAL DEPRECIABLE PLANT</b>	<b>4,292,402</b>	<b>3,815,508</b>
<b><u>OTHER UTILITY PLANT*</u></b>		
<b>COMMON PLANT</b>		
390.1 STRUCTURES AND IMPROVEMENTS	1,142,385	817,504
390.2 STRUCTURES AND IMPROVEMENTS - LEASED PROPERTY	0	14,307
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	151,393	156,038
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	318,519	669,853
392.1 TRANSPORTATION EQUIPMENT - CARS	1,548	2,185
<b>TOTAL COMMON PLANT</b>	<b>1,613,845</b>	<b>1,659,887</b>
<b>INFORMATION SERVICES (IS)</b>		
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	2,208	2,228
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	2,417,523	2,092,784
391.3 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 10 YEARS	707,758	690,875
391.4 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 15 YEARS	9,288,398	7,779,469
<b>TOTAL INFORMATION SERVICES</b>	<b>12,415,887</b>	<b>10,565,356</b>
<b>READING SERVICE CENTER</b>		
390 STRUCTURES AND IMPROVEMENTS	61,986	62,471
<b>TOTAL OTHER UTILITY PLANT</b>	<b>14,091,718</b>	<b>12,287,714</b>

\* AMOUNTS SHOWN FOR OTHER UTILITY PLANT ARE PRIOR TO ALLOCATION TO ELECTRIC DIVISION.

UGI Utilities, Inc. - Electric Division  
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V-B-2

Request:

Supply a schedule by account or by depreciable group showing the survivor curve or interim survivor curve and annual accrual rate estimated to be appropriate:

- a. For the purpose of this filing.
- b. For the purpose of the most recent rate filing prior to the current proceeding.
- c. Supply an explanation for any major change in annual accrual rate by account or by depreciable group.
- d. Supply a comprehensive statement of major changes made in depreciation methods, procedures and techniques and the effect of the changes upon accumulated and annual depreciation, if any.

Response:

- a. The survivor curves and associated accrual rates calculated as of September 30, 2019 are set forth on Table 1 of UGI Electric Exhibit C (Fully Projected). The survivor curves and associated accrual rates calculated as of September 30, 2018 are set forth on Table 1 of UGI Electric Exhibit C (Future). The survivor curves and associated accrual rates calculated as of September 30, 2017 are set forth on Table 1 of UGI Electric Exhibit C (Historic).
- b. The survivor curves and associated accrual rates calculated as of September 30, 1996 are presented on the following pages as Attachment V-B-2.
- c. The Company prepares and submits service life studies to the Pennsylvania Public Utility Commission (Commission) every five years pursuant to the regulations set forth in 52 Pa. Code Chapter 73.5. Since the prior electric rate filing was submitted over 20 years ago on January 26, 1996 (Docket No. R-00953534), the Company has submitted five updated service life studies to the Commission for their review and approval. The changes are identified and described in each of those five service life study reports in connection with the changes presented in the annual depreciation reports prepared by UGI Electric and submitted to the Commission. In general, the service lives for the major distribution plant

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V-B-2 (Continued)

accounts have trended longer since the prior electric rate filing. This is due to improvements in materials used and improved maintenance practices. The service lives are longer, in part, due to capital budget constraints which requires some plant to remain in service longer. Also, the composite annual depreciation rate for distribution plant in the prior rate filing based on plant in service as of September 30, 1996 was 3.25 percent. The composite depreciation rate for distribution plant in the current filing based on plant in service as of September 30, 2019 is 2.28 percent. This is an indication that the service lives are trending longer.

- d. The annual depreciation accrual rates used in the filing for most plant accounts are based on the straight line method using the average service life procedure for plant installed prior to 1982 and the equal life group procedure for 1982 and subsequent installations. These are the same methods and procedures as were used in the most recent filing.

Prepared by or under the supervision of: John F. Wiedmayer

UGI UTILITIES, INC. - ELECTRIC DIVISION

TABLE 1. ESTIMATED SURVIVOR CURVES, ORIGINAL COST, BOOK RESERVE AND  
CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AT SEPTEMBER 30, 1996

Account	Probable Retirement Year	Survivor Curve	Original Cost	Book Reserve	Future Accruals	Annual Accrual Amount	Composite Remaining Life	Annual Accrual Rate Percent		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
<b>Depreciable Plant</b>										
<b>Production Plant - Steam</b>										
<i>Hunlock Production Plant</i>										
311		Structures and Improvements	6-2004	125 -S2	6,512,838.80	5,822,965	689,874	89,124	7.7	1.37
312		Boiler Plant Equipment	6-2004	50 -R2.5	11,014,656.31	8,683,574	2,331,082	310,735	7.5	2.82
314		Turbogenerator Units	6-2004	120 -R2	3,887,624.30	3,237,391	650,233	84,532	7.7	2.17
315		Accessory Electric Equipment	6-2004	70 -R3	1,468,698.00	1,345,391	123,307	16,158	7.6	1.10
316		Miscellaneous Power Plant Equipment	6-2004	28 -L1	<u>1,027,582.96</u>	<u>647,139</u>	<u>380,444</u>	<u>54,865</u>	6.9	5.34
<i>Total Hunlock Steam Production Plant</i>					<u>23,911,400.37</u>	<u>19,736,460</u>	<u>4,174,940</u>	<u>555,414</u>		2.32
<i>Conemaugh Production Plant</i>										
311		Structures and Improvements	6-2005	125 -S2	963,883.23	482,195	481,688	55,076	8.7	5.71
312		Boiler Plant Equipment	6-2005	50 -R2.5	6,987,365.82	1,858,587	5,128,779	599,581	8.6	8.58
314		Turbogenerator Units	6-2005	120 -R2	1,183,468.32	729,622	453,846	52,299	8.7	4.42
315		Accessory Electric Equipment	6-2005	70 -R3	347,777.05	178,935	168,842	19,432	8.7	5.59
316		Miscellaneous Power Plant Equipment	6-2005	28 -L1	<u>152,234.00</u>	<u>34,714</u>	<u>117,520</u>	<u>14,865</u>	7.9	9.76
<i>Total Conemaugh Steam Production Plant</i>					<u>9,634,728.42</u>	<u>3,284,053</u>	<u>6,350,675</u>	<u>741,253</u>		7.69
<b>Total Production Plant - Steam</b>					<u><b>33,546,128.79</b></u>	<u><b>23,020,513</b></u>	<u><b>10,525,616</b></u>	<u><b>1,296,667</b></u>		<b>3.87</b>
<b>Other Production Plant</b>										
344		Generators and Devices	6-2005	Square	10,562.53	8,517	2,046	234	8.7	2.22
<b>Transmission Plant</b>										
352		<i>Structures and Improvements</i>								
		Hunlock	6-2004	Square	33,358.93	31,540	1,819	235	7.7	0.70
		Plymouth	9-1997	Square	20,728.16	20,172	556	557	1.0	2.69
		Swoyersville	6-2004	Square	32,148.00	30,947	1,201	437	2.7	1.36
		Conemaugh	6-2005	Square	5,276.06	4,036	1,240	142	8.7	2.69
		Glenview		40 -SQ	2,983.00	1,060	1,923	75	25.6	2.51
		Mountain	6-2012	Square	<u>48,031.16</u>	<u>22,878</u>	<u>25,153</u>	<u>2,340</u>	10.7	4.87
<i>Subtotal Account 352</i>					<u>142,525.31</u>	<u>110,633</u>	<u>31,892</u>	<u>3,786</u>		2.66

UGI UTILITIES, INC. - ELECTRIC DIVISION

TABLE 1. ESTIMATED SURVIVOR CURVES, ORIGINAL COST, BOOK RESERVE AND  
CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AT SEPTEMBER 30, 1996

Account	Probable Retirement Year	Survivor Curve	Original Cost	Book Reserve	Future Accruals	Annual Accrual Amount	Composite Remaining Life	Annual Accrual Rate Percent
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
353								
Station Equipment								
Pre 1958 Equipment		42 -R2.5	499,497.36	404,274	95,223	9,735	9.8	1.95
Post 1957 Equipment		50 -R3	8,377,858.34	4,175,391	4,202,467	206,514	20.3	2.46
SCADA Equipment		10 -S2	902,215.22	141,527	760,688	184,339	4.1	20.43
Subtotal Account 353			9,779,570.92	4,721,192	5,058,379	400,588		4.10
354								
Towers and Fixtures		65 -R4	2,548,949.54	1,281,216	1,267,734	36,061	35.2	1.41
355								
Poles and Fixtures		40 -R2	1,842,612.64	644,874	1,197,739	54,690	21.9	2.97
356								
Overhead Conductors and Devices								
Primarily Copper		41 -R2	210,254.46	177,579	32,675	8,586	3.8	4.08
Primarily Aluminum		41 -R2	3,214,550.64	1,336,672	1,877,879	83,351	22.5	2.59
Subtotal Account 356			3,424,805.10	1,514,251	1,910,554	91,937	20.8	2.68
357								
Underground Conduit		50 -L3	2,092.45	1,123	969	39	24.9	1.86
358								
Underground Conductors and Devices		40 -R4	12,485.91	8,454	4,032	279	14.5	2.23
<b>Total Transmission Plant</b>			<b>17,753,041.87</b>	<b>8,281,743</b>	<b>9,471,299</b>	<b>587,380</b>		<b>3.31</b>
<b>Distribution Plant</b>								
361								
Structures and Improvements								
Plymouth		Fully Accrued	24,673.36	24,849	-176			
Kingston	6-2005	Square	32,102.70	30,687	1,416	378	3.7	1.18
Nanticoke	6-2000	Square	25,040.46	21,781	3,259	869	3.8	3.47
Miscellaneous		40 -S3	43,841.77	33,765	10,077	546	18.5	1.25
Subtotal Account 361			125,658.29	111,082	14,576	1,793		1.43
362								
Station Equipment		38 -R2	638,379.12	431,240	207,139	18,218	11.4	2.85
364								
Poles, Towers and Fixtures		50 -R2	15,631,135.72	3,589,463	12,041,673	423,351	28.4	2.71
365								
Overhead Conductors and Devices								
Primarily Copper		50 -R2	1,036,454.85	765,907	270,548	27,361	9.9	2.64
Primarily Aluminum		50 -R2	10,367,058.52	3,419,998	6,947,061	363,188	19.1	3.50
Subtotal Account 365			11,403,513.37	4,185,905	7,217,608	390,549		3.42
366								
Underground Conduit		50 -L3	1,148,760.91	192,584	956,177	25,543	37.4	2.22
367								
Underground Conductors and Devices		28 -R3	2,527,156.87	907,732	1,619,425	110,909	14.6	4.39
368.1								
Transformers		34 -S1	7,976,840.81	2,866,163	5,110,678	262,605	19.5	3.29
368.2								
Transformer Installations		29 -L1.5	4,028,467.17	1,296,602	2,731,865	164,566	16.6	4.09
369								
Services		35 -L3	6,896,788.73	3,236,690	3,660,099	217,034	16.9	3.15
370.1								
Meters		31 -R2	3,138,635.80	1,121,646	2,016,990	116,688	17.3	3.72

UGI UTILITIES, INC. - ELECTRIC DIVISION

TABLE 1. ESTIMATED SURVIVOR CURVES, ORIGINAL COST, BOOK RESERVE AND  
CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AT SEPTEMBER 30, 1996

Account	Probable Retirement Year	Survivor Curve	Original Cost	Book Reserve	Future Accruals	Annual Accrual Amount	Composite Remaining Life	Annual Accrual Rate Percent
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
370.2 Meter Installations		60 -R4	912,456.53	304,151	608,306	14,183	42.9	1.55
371 <i>Installations on Customer Premises</i>								
Dusk to Dawn Lights		13 -R1.5	93,026.98	57,002	36,025	8,835	4.1	9.50
All Other Installations		25 -O2	786,235.93	216,168	570,068	46,705	12.2	5.94
<i>Subtotal Account 371</i>			<u>879,262.91</u>	<u>273,170</u>	<u>606,093</u>	<u>55,540</u>		6.32
373 Street Lighting and Signal Systems		26 -L1	<u>1,042,340.70</u>	<u>618,052</u>	<u>424,289</u>	<u>32,964</u>	12.9	3.16
<b>Total Distribution Plant</b>			<u><b>56,349,396.93</b></u>	<u><b>19,134,480</b></u>	<u><b>37,214,917</b></u>	<u><b>1,833,943</b></u>		<b>3.25</b>
<b>General Plant</b>								
390.1 <i>Structures and Improvements</i>								
Kingston	9-1996	75 -L0.5	0.00	0	0	0	0.0	0.00
Forty Fort	6-2002	125 -S2	594,324.08	345,676	248,648	43,253	5.7	7.28
Plymouth	6-1997	Square	9,595.20	9,377	218	219	1.0	2.28
Idetown		Fully Accrued	14,541.18	14,877	-336	0		0.00
Nanticoke	6-2005	Square	51,126.71	23,111	28,016	2,038	13.7	3.99
<i>Subtotal Account 390.1</i>			<u>669,587.17</u>	<u>393,041</u>	<u>276,546</u>	<u>45,510</u>		6.80
390.2 Improvements to Leased Property			0.00	0	0	0		0.00
391 <i>Office Furniture and Equipment</i>								
Furniture		20 -SQ	431,482.06	87,153	344,329	22,535	15.3	5.22
Electronic Equipment		5 -SQ	416,133.82	249,439	166,695	55,101	3.0	13.24
<i>Subtotal Account 391</i>			<u>847,615.88</u>	<u>336,592</u>	<u>511,024</u>	<u>77,636</u>		9.16
393 Stores Equipment		10 -SQ	50,115.75	25,705	24,411	5,338	4.6	10.65
394 Tools, Shop and Garage Equipment		20 -SQ	295,075.33	92,437	202,638	16,115	12.6	5.46
395 Laboratory Equipment		10 -SQ	297,309.03	150,824	146,485	36,525	4.0	12.29
397 Communication Equipment		10 -SQ	137,974.37	76,027	61,947	15,658	4.0	11.35
398 Miscellaneous Equipment		10 -SQ	<u>51,322.61</u>	<u>15,159</u>	<u>36,164</u>	<u>6,715</u>	5.4	13.08
<b>Total General Plant</b>			<u><b>2,349,000.14</b></u>	<u><b>1,089,785</b></u>	<u><b>1,259,215</b></u>	<u><b>203,497</b></u>		<b>8.66</b>

UGI UTILITIES, INC. - ELECTRIC DIVISION

TABLE 1. ESTIMATED SURVIVOR CURVES, ORIGINAL COST, BOOK RESERVE AND  
CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AT SEPTEMBER 30, 1996

Account (1)	Probable Retirement Year (2)	Survivor Curve (3)	Original Cost (4)	Book Reserve (5)	Future Accruals (6)	Annual Accrual Amount (7)	Composite Remaining Life (8)	Annual Accrual Rate Percent (9)
<b><u>SPECIAL DEPRECIABLE PLANT</u></b>								
392	<i>Transportation Equipment</i>							
		Cars	7 -L4	111,871.72	106,916	4,955	4,619	1.1
		Trucks	11 -L4	376,993.63	256,277	120,718	37,178	3.2
		Heavy Trucks	11 -L4	229,064.12	188,821	40,243	10,855	3.7
		<i>Subtotal Account 392</i>		<u>717,929.47</u>	<u>552,014</u>	<u>165,916</u>	<u>52,652</u>	7.33
396		Power Operated Equipment	11 -L4	129,876.72	101,753	28,123	5,681	5.0
<b>TOTAL SPECIAL DEPRECIABLE PLANT</b>				<u>847,806.19</u>	<u>653,767</u>	<u>194,039</u>	<u>58,333</u>	<b>6.88</b>
<b>TOTAL DEPRECIABLE PLANT - ELECTRIC PLANT</b>				<u>110,855,936.45</u>	<u>52,188,805</u>	<u>58,667,131</u>	<u>3,980,054</u>	<b>3.59</b>
<b><u>Nondepreciable Plant</u></b>								
302.1		Franchises and Consents - Perpetual		6,435.84				
310.1		Land and Land Rights - Land		47,043.53				
350.1		Land and Land Rights - Land		934,612.72				
350.2		Land and Land Rights - Land Rights		888,330.06				
360.1		Land and Land Rights - Land		77,415.26				
360.2		Land and Land Rights - Land Rights		16,986.44				
389.1		Land and Land Rights - Land		<u>350,317.09</u>				
<b>TOTAL NONDEPRECIABLE PLANT</b>				<u>2,321,140.94</u>				
<b>TOTAL ELECTRIC PLANT</b>				<u>113,177,077.39</u>	<u>52,188,805</u>	<u>58,667,131</u>	<u>3,980,054</u>	

UGI UTILITIES, INC. - ELECTRIC DIVISION

TABLE 1. ESTIMATED SURVIVOR CURVES, ORIGINAL COST, BOOK RESERVE AND  
CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AT SEPTEMBER 30, 1996

Account (1)	Probable Retirement Year (2)	Survivor Curve (3)	Original Cost (4)	Book Reserve (5)	Future Accruals (6)	Annual Accrual Amount (7)	Composite Remaining Life (8)	Annual Accrual Rate Percent (9)
<b>OTHER UTILITY PLANT ALLOCATED TO ELECTRIC DIVISION</b>								
<b>COMMON PLANT</b>								
301	Organization		138,963.52					
390.2	Structures and Improvements							
	Expenditures to Leased Property		1,448,677.43	1,448,679	-2			
391	Office Furniture and Equipment		1,925,560.35	850,170	1,075,390	91,331	11.8	4.74
391.1	Office Furniture and Equipment - Electronic		863,007.23	260,988	602,019	173,928	3.5	20.15
392	Transportation Equipment - Cars		316,683.98	217,746	98,938	51,140	1.9	16.15
397	Communication Equipment		123,920.04	60,522	63,398	13,944	4.5	11.25
398	Miscellaneous Equipment		12,714.03	11,980	734	141	5.2	1.11
<b>TOTAL COMMON PLANT</b>			<u>4,829,526.58</u>	<u>2,850,085</u>	<u>1,840,478</u>	<u>330,484</u>		
<b>TOTAL COMMON PLANT ALLOCATED TO ED 8.0%</b>			<u>386,362.13</u>	<u>228,007</u>	<u>147,238</u>	<u>26,439</u>		
<b>INFORMATION SERVICES (is)</b>								
391	Office Furniture and Equipment		176,037.62	66,395	109,643	13,171	8.3	7.48
391.1	Office Furniture and Equipment - Electronic		973,371.45	365,137	608,234	157,149	3.9	16.14
391.2	Office Furniture and Equipment - Software		4,188,449.64	2,301,979	1,886,471	728,728	2.6	17.40
<b>TOTAL INFORMATION SERVICES (IS)</b>			<u>5,337,858.71</u>	<u>2,733,511</u>	<u>2,604,348</u>	<u>899,048</u>		
<b>TOTAL IS ALLOCATED TO ELECTRIC DIVISION 16%</b>			<u>854,057.39</u>	<u>437,362</u>	<u>416,696</u>	<u>143,848</u>		
<b>READING SERVICE BLDG - IS</b>								
390.1	Structures and Improvements		1,097,000.00	283,815	813,185	27,943	29.1	2.55
<b>TOTAL READING SERVICE BLDG - IS</b>			<u>1,097,000.00</u>	<u>283,815</u>	<u>813,185</u>	<u>27,943</u>		
<b>TOTAL READING SERVICE BLDG - IS ALLOCATED TO ELECTRIC DIVISION 16%</b>			<u>175,520.00</u>	<u>45,410</u>	<u>130,110</u>	<u>4,471</u>		
<b>TOTAL OTHER UTILITY PLANT ALLOCATED TO ELECTRIC DIVISION</b>			<u>1,415,939.52</u>	<u>710,779</u>	<u>694,044</u>	<u>174,758</u>		
<b>AMORTIZATION OF NEGATIVE NET SALVAGE</b>						386,031		
<b>GRAND TOTAL ELECTRIC DIVISION</b>			<u>114,593,016.91</u>	<u>52,899,584</u>	<u>59,361,175</u>	<u>4,540,843</u>		



UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - V-C - Use of Retirement Rate Actuarial Method  
Delivered on January 26, 2018

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V-C-1

Request:

Where the retirement rate actuarial method of mortality analysis is utilized, set forth representative examples including charts depicting the observed and estimated survivor curves and a tabular presentation of the observed and estimated life tables plotted on the chart. Other analysis results shall be subject to request.

Response:

The charts and life tables for the accounts analyzed by the retirement rate method are set forth in Part VI of UGI Electric Exhibit C (Future).

Prepared by or under the supervision of: John F. Wiedmayer

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - V-D - Example Tabulations of Original Cost Claimed  
Estimates of Accrued Depreciation  
Delivered on January 26, 2018

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V-D-1

Request:

Provide the surviving original cost plant at the appropriate test year date or dates by account or functional property group and include claimed depreciation reserves. Provide annual depreciation accruals where appropriate. These calculations should be provided for plant in service as well as other categories of plant, including but not limited to, contributions in aid of construction, customers' advances for construction, and anticipated retirements associated with construction work in progress claims, if applicable.

Response:

A summary of the original cost, depreciation reserve and annual depreciation accrual as of September 30, 2019, is presented on Table 1, pages II-3 through II-4 of UGI Electric Exhibit C (Fully Projected).

A summary of the original cost, depreciation reserve and annual depreciation accrual as of September 30, 2018, is presented on Table 1, pages V-4 through V-5 of UGI Electric Exhibit C (Future).

A summary of the original cost, depreciation reserve and annual depreciation accrual as of September 30, 2017, is presented on Table 1, pages II-3 through II-4 of UGI Electric Exhibit C (Historic).

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - V-D - Example Tabulations of Original Cost Claimed  
Estimates of Accrued Depreciation  
Delivered on January 26, 2018

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V-D-2

Request:

Provide representative examples of detail calculations by vintage at account or at a more detailed level, as performed for these purposes. Other vintage detail calculations shall be subject to request.

Response:

The detailed calculations of depreciation by installation year as of September 30, 2019 are set forth in Part III of UGI Electric Exhibit C (Fully Projected).

The detailed calculations of depreciation by installation year as of September 30, 2018 are set forth in Part VII of UGI Electric Exhibit C (Future).

The detailed calculations of depreciation by installation year as of September 30, 2017 are set forth in Part III of UGI Electric Exhibit C (Historic).

Prepared by or under the supervision of: John F. Wiedmayer

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - V-E - Description of Depreciation Methods  
Delivered on January 26, 2018

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V-E-1

Request:

Provide a description of the depreciation methods utilized in calculating annual depreciation amounts and depreciation reserves, together with a discussion of the significant factors which were considered in arriving at estimates of service life and forecast retirements by facilities, accounts or sub-accounts, as applicable.

Response:

A description of the depreciation methods used in the calculation of annual and accrued depreciation and the factors considered in the service life estimation are discussed in UGI Electric Exhibit C (Future) in Parts II and III under the sections titled "Part II. Estimation of Survivor Curves" and "Part III. Service Life Considerations".

Prepared by or under the supervision of: John F. Wiedmayer

**VI. UNADJUSTED COMPARATIVE BALANCE SHEETS  
& OPERATING INCOME STATEMENTS**

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - VI - Unadjusted Comparative Balance sheets and Operating  
Income Statements  
Delivered on January 26, 2018

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VI-A-1

Request:

Provide the following unadjusted detailed schedules by function and by FERC account for the claimed test year and for each of the 3 preceding comparable years:

A. Balance sheet, in the form available.

Response:

Please see Attachment VI-A-1.

Prepared by or under the supervision of: Megan Mattern

UGI UTILITIES, INC. - ELECTRIC DIVISION  
UNADJUSTED COMPARATIVE BALANCE SHEETS  
FOR THE YEARS ENDING SEPTEMBER 30, 2015-2019

	2019	2018	2017	2016
<b>UTILITY PLANT (101 - 106, 108)</b>				
Utility Plant	\$ 217,535	\$ 205,372	\$ 187,498	\$ 176,429
Other Utility Plant				
<b>TOTAL PLANT IN SERVICE</b>	\$ 217,535	\$ 205,372	\$ 187,498	\$ 176,429
Construction Work In Progress (107)	\$ 4,476	\$ 4,476	\$ 5,261	\$ 6,768
<b>TOTAL UTILITY PLANT</b>	\$ 222,011	\$ 209,848	\$ 192,760	\$ 183,197
Accumulated Provision for Depreciation - Gas (108)	\$ (85,368)	\$ (80,006)	\$ (72,031)	\$ (70,090)
Accumulated Prov. For Amortization & Depletion of Gas Utility Pl. (111.0)	\$ -	\$ -	\$ (590)	\$ (559)
Utility Acquisition Adjustment (114)	\$ -	\$ -	\$ -	\$ -
Accumulated Provision for Depreciation - Other (119)	\$ -	\$ -	\$ -	\$ -
<b>NET UTILITY PLANT</b>	\$ 136,643	\$ 129,842	\$ 120,138	\$ 112,549
<b>OTHER PROPERTY INVESTMENTS</b>				
Non-utility Property (121)	\$ 15	\$ 15	\$ 15	\$ 15
Accumulated Depreciation on NUP (122)				
Investment in Associated & Subsidiary Companies (123.1)				
Other Investments (124)				
<b>TOTAL OTHER PROPERTY AND INVESTMENTS</b>	\$ 15	\$ 15	\$ 15	\$ 15
<b>CURRENT AND ACCRUED ASSETS</b>				
Cash & Other Temporary Investments(131-136)	\$ 3,992	(1,322)	(4,571)	1,214
Unbilled Revenues				
Customer Accounts Receivable (142)	\$ 15,351	\$ 14,253	\$ 13,409	\$ 9,379
Other Accounts Receivable (143)	\$ 2,135	\$ 2,135	\$ 2,135	\$ 1,985
Accum Provision for Uncollectible (144)	\$ (1,699)	\$ (1,578)	\$ (1,484)	\$ (1,733)
Receivables from Associated Companies (145)	\$ -	\$ -	\$ -	\$ -
Accounts Receivable Assoc. Comp. (146)	\$ -	\$ -	\$ (58)	\$ 2
Plant Materials & Operating Supplies (154)	\$ 1,440	\$ 1,440	\$ 1,212	\$ 1,149
Allowance Inventory (158.1)	\$ 224	\$ 217	\$ 211	\$ 61
Stores Expense - Undistributed (163)	\$ 154	\$ 149	\$ 145	\$ 180
Gas Stored - Current (164.1)				
Liquefied Natural Gas stored (164.2)				
Prepayments (165)	\$ 1,553	\$ 1,553	\$ 1,553	\$ 1,877
Accrued Utility Revenues (173)	\$ 4,114	\$ 3,994	\$ 3,878	\$ 3,674
Miscellaneous Current & Accrued Assets (174)	\$ 1,568	\$ 1,522	\$ 1,478	\$ 1,647
Derivative Instrument Assets (175)	\$ -	\$ -	\$ 6	\$ -
<b>TOTAL CURRENT AND ACCRUED ASSETS</b>	\$ 28,831	\$ 22,364	\$ 17,913	\$ 19,436
<b>DEFERRED DEBITS</b>				
Unamortized Debt Expense (181)	\$ 229	\$ 229	\$ 229	\$ 208
Other Regulatory Assets (182.3)	\$ 22,474	\$ 22,968	\$ 21,430	\$ 28,070
Other Preliminary Survey & Investigation Charges (183.2)	\$ -	\$ -	\$ (0)	\$ -
Clearing Accounts (184)	\$ -	\$ -	\$ 1	\$ 12
Miscellaneous Deferred Debits (186)	\$ 1,049	\$ 1,049	\$ 1,049	\$ 800
Deferred Losses from the Disposition of Utility Plant (187.0)	\$ -	\$ -	\$ 15	\$ 51
Unamortized Loss on Reacquired Debt (189)	\$ -	\$ -	\$ (0)	\$ 0
Accumulated Deferred Income Taxes (190)	\$ 800	\$ 800	\$ 800	\$ 12,754
O/U Collected Gas (191.4, 191.41)				
<b>TOTAL DEFERRED DEBITS</b>	\$ 24,552	\$ 25,046	\$ 23,523	\$ 41,896
<b>TOTAL ASSETS AND OTHER DEBITS</b>	\$ 190,041	\$ 177,267	\$ 161,588	\$ 173,895

UGI UTILITIES, INC. - ELECTRIC DIVISION  
UNADJUSTED COMPARATIVE BALANCE SHEETS  
FOR THE YEARS ENDING SEPTEMBER 30, 2015-2019

	2019	2018	2017	2016
<b>PROPRIETARY CAPITAL</b>				
Common Stock Issued (201)	\$ 6,056	\$ 6,056	\$ 6,056	\$ 5,887
Preferred Stock Issued (204)				
Premium on Capital Stock (207)	\$ 47,595	\$ 47,595	\$ 47,595	\$ 46,263
Miscellaneous Paid-in-Capital (211)				
Capital Stock Expense (214)				
Retained Earnings (215, 215.2, 216)	\$ (19,207)	\$ (19,539)	\$ (20,474)	\$ (14,465)
Accum Other Comprehensive Income (219)				
TOTAL PROPRIETARY CAPITAL	\$ 34,444	\$ 34,112	\$ 33,176	\$ 37,684
<b>LONG TERM DEBT</b>				
Bonds (221)				
Advances from Associated Companies (223)				
Other Long-Term Debt (224)	59,400	50,400	\$ 38,539	\$ 32,947
Unamortized Premium on LTD (225)				
Unamortized Discount on LTD (226)				
TOTAL LONG-TERM DEBT	\$ 59,400	\$ 50,400	\$ 38,539	\$ 32,947
<b>OTHER NON-CURRENT LIABILITIES</b>				
Obligations under Capital Leases (227)				
Advances from Associated Companies (223)				
Other Long-Term Debt (224)				
Unamortized Premium on LTD (225)				
Unamortized Discount on LTD (226)				
Accumulated Provision for Pensions and Benefits (228.3)	\$ 14,684	\$ 14,684	\$ 14,684	\$ 19,980
TOTAL NON-CURRENT LIABILITIES	\$ 14,684	\$ 14,684	\$ 14,684	\$ 19,980
<b>CURRENT &amp; ACCRUED LIABILITIES</b>				
Notes Payable (231)	\$ 2,156	\$ 2,156	\$ 2,156	\$ 1,006
Accounts Payable (232)	\$ 15,100	\$ 14,660	\$ 14,233	\$ 11,643
Notes Payable to Assoc. Companies (233)	\$ -	\$ -	\$ -	\$ -
Accounts Payable to Assoc. Cos (234)	\$ -	\$ -	\$ 541	\$ 654
Customer Deposits (235)	\$ 1,505	\$ 1,462	\$ 1,419	\$ 1,620
Taxes Accrued (236)	\$ 6,540	\$ 6,540	\$ 6,540	\$ 9,602
Interest Accrued (237)	\$ 2,495	\$ 2,495	\$ 2,495	\$ 850
Tax Collections Payable (241)				
Accrued Interest on Other Liabilities (237)				
Tax Collections Payable (241)	\$ -	\$ -	\$ (48)	\$ (14)
Misc Current & Accrued Liabilities (242)	\$ 5,087	\$ 4,939	\$ 4,795	\$ 3,587
Derivative Instrument Liabilities (244)	\$ -	\$ -	\$ 1	\$ 291
Derivative Instrument Liabilities - Hedges (245)				
TOTAL CURRENT AND ACCRUED LIABILITIES	\$ 32,883	\$ 32,251	\$ 32,132	\$ 29,238
<b>OTHER DEFERRED CREDITS</b>				
Customer Advances for Construction (252)				
Other Deferred Credits (253)	\$ 1,150	\$ 1,150	\$ 1,150	\$ 994
Other Regulatory Liabilities (254)	\$ 9,969	\$ 9,485	\$ 9,405	\$ 11,144
Deferred ITC (255)	\$ -	\$ -	\$ -	\$ -
Accumulated Deferred Income Taxes (282)	\$ 37,511	\$ 35,185	\$ 38,397	\$ 36,510
Accumulated Deferred Income Taxes (283)	\$ -	\$ -	\$ (5,895)	\$ 5,397
TOTAL OTHER DEFERRED CREDITS	\$ 48,630	\$ 45,820	\$ 43,056	\$ 54,045
<b>TOTAL LIABILITIES &amp; OTHER CREDITS</b>	\$ 190,041	\$ 177,267	\$ 161,588	\$ 173,895



UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - VI - Unadjusted Comparative Balance sheets and Operating  
Income Statements  
Delivered on January 26, 2018

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VI-B-1

Request:

Provide the following unadjusted detailed schedules by function and by FERC account for the claimed test year and for each of the 3 preceding comparable years:

B. Statement of income.

Response:

Please see Attachment VI-B-1.

Prepared by or under the supervision of: Megan Mattern

UGI UTILITIES, INC. - ELECTRIC DIVISION  
INCOME STATEMENT SUPPORTING SCHEDULES  
FOR THE YEARS ENDING SEPTEMBER 30, 2016 - 2019  
(Thousands)

	2019	2018	2017	2016
<b><u>OPERATING REVENUES</u></b>	92,325	92,206	88,534	91,097
<b><u>OPERATING EXPENSE</u></b>				
401-402 Total Operation & Maint. Expense	72,753	72,417	69,375	68,837
403-405 Depreciation Expense and Amortization	6,484	5,963	4,975	4,852
408.1 Taxes Other Than Income Taxes	7,706	7,681	5,576	5,945
Total Operating Expenses Prior to Federal & State Income Taxes	86,943	86,061	79,926	79,634
Operating Income Prior to Federal & State Income Taxes	5,382	6,145	8,608	11,463
<b><u>FEDERAL AND STATE INCOME TAXES</u></b>				
409.1-411.4 Total Federal & State Income Taxes	217	615	1,098	2,555
Operating Income After Federal & State Income Taxes	5,165	5,530	7,510	8,908
<b><u>OTHER INCOME AND DEDUCTIONS</u></b>				
418.0 Non-Utility Operating Income (Loss)	29	29	29	45
419.0 Interest & Dividend Income	51	51	(40)	(20)
419.1 Allowance for Other Funds Used During Construction	53	53	288	140
421 Other Misc Non-Operating Income	(0)	(0)	(29)	12
<b>Total Other Income</b>	133	133	248	177
Other Income Deductions				
421.2 Loss on Disposition of Property	-	-	9	-
426 Miscellaneous	80	79	101	99
<b>Total Other Income Deductions</b>	80	79	110	99
Taxes Applicable to Other Income Deductions				
408.2 Taxes Other Than Income Taxes				
409.2 Federal Income Tax	-	-	(308)	(415)
State Income Tax	-	-	56	(84)
410.2 & 411.2				
Deferred Federal Income Taxes - Net	-	-	-	52
Deferred State Income Taxes - Net				
<b>Total Taxes Applicable to Other Income Deduction</b>	-	-	(252)	(447)
Income Before Interest Charges	5,218	5,584	7,900	9,432
<b><u>INTEREST CHARGES</u></b>				
427 Interest on Long-term Debt	4,744	4,507	1,930	1,673
428 Amortization of Debt Discount & Expense	44	44	19	17
431 Other Interest Expense	384	384	97	181
432 Allowance for Borrowed Funds Used During Construction	(286)	(286)	(51)	(27)
<b>Net Interest Charges</b>	4,886	4,649	1,995	1,844
<b>Net Income</b>	332	935	5,905	7,589

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - VI - Unadjusted Comparative Balance sheets and Operating  
Income Statements  
Delivered on January 26, 2018

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VI-C-1

Request:

Provide the following unadjusted detailed schedules by function and by FERC account for the claimed test year and for each of the 3 preceding comparable years:

C. Plant in service.

Response:

Please see Attachment VI-C-1.

Prepared by or under the supervision of: Megan Mattern

**UGI UTILITIES, INC. - ELECTRIC DIVISION  
UNADJUSTED PLANT IN SERVICE  
FOR THE YEARS ENDED SEPTEMBER 30, 2016, 2017, 2018 AND 2019**

ACCOUNT	2016	2017	2018	2019
<b>ELECTRIC PLANT</b>				
<b>DISTRIBUTION PLANT</b>				
361 STRUCTURES AND IMPROVEMENTS	\$ 11,459	\$ 11,459	\$ 11,459	\$ 11,459
362 STATION EQUIPMENT	534,131	1,742,908	4,771,246	6,173,972
364 POLES, TOWERS AND FIXTURES	36,541,500	38,358,069	40,691,964	43,072,419
365 OVERHEAD CONDUCTORS AND DEVICES	30,089,690	32,811,071	35,145,285	37,550,859
366 UNDERGROUND CONDUIT	5,219,720	5,879,660	6,316,070	6,752,480
367 UNDERGROUND CONDUCTORS AND DEVICES	7,551,100	8,158,147	8,979,682	9,801,217
368.1 TRANSFORMERS	13,061,780	13,202,282	13,880,645	14,573,955
368.2 TRANSFORMER INSTALLATIONS	8,807,386	9,153,171	9,767,058	10,402,248
369 SERVICES	12,847,730	13,336,764	14,124,193	14,941,903
370.1 METERS	2,711,899	2,802,014	2,782,014	2,762,014
370.2 METER INSTALLATIONS	1,865,286	1,888,053	1,897,531	1,907,009
370.3 ELECTRONIC METERS	4,855,823	4,892,183	4,920,183	4,948,183
371 INSTALLATIONS ON CUSTOMER PREMISES	1,847,780	1,916,922	1,933,832	1,951,306
371.5 INSTALLATIONS ON CUSTOMER PREMISES - DUSK TO DAWN LIGHTS	346,555	347,656	347,656	347,656
373 STREET LIGHTING AND SIGNAL SYSTEMS	1,567,629	1,567,588	1,600,853	1,635,228
<b>TOTAL DISTRIBUTION PLANT</b>	<b>\$ 127,859,468</b>	<b>\$ 136,067,948</b>	<b>\$ 147,169,671</b>	<b>\$ 156,831,908</b>
<b>GENERAL PLANT</b>				
390.1 STRUCTURES AND IMPROVEMENTS				
FORTY FORT	\$ 1,069,373	\$ 1,074,596	\$ 1,074,596	\$ 1,074,596
PLYMOUTH	15,111	15,111	15,111	15,111
IDETOWN	14,541	14,541	14,541	14,541
NANTICOKE	76,179	76,179	76,179	76,179
EMPIRE YARD	19,895	19,895	19,895	19,895
<i>SUBTOTAL ACCOUNT 390.1</i>	<i>\$ 1,195,099</i>	<i>\$ 1,200,322</i>	<i>\$ 1,200,322</i>	<i>\$ 1,200,322</i>
390.2 IMPROVEMENTS TO LEASED PROPERTY	\$ 62,778	\$ 53,383	\$ -	\$ -
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	33,626	32,577	154,677	169,677
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	16,868	24,214	105,614	115,614
391.92 OFFICE FURNITURE AND EQUIPMENT - OUTAGE MANAGEMENT SOFTWARE	781,940	607,693	750,000	750,000
393 STORES EQUIPMENT	15,656	15,656	3,217	3,217
394 TOOLS, SHOP AND GARAGE EQUIPMENT	743,543	816,881	952,931	1,022,878
395 LABORATORY EQUIPMENT	166,904	169,293	169,293	158,670
397 COMMUNICATION EQUIPMENT	1,219,317	1,188,107	1,100,594	771,319
398 MISCELLANEOUS EQUIPMENT	85,615	97,653	78,859	40,872
<b>TOTAL GENERAL PLANT</b>	<b>\$ 4,321,346</b>	<b>\$ 4,205,779</b>	<b>\$ 4,515,507</b>	<b>\$ 4,232,569</b>
<b>SPECIAL DEPRECIABLE PLANT</b>				

**UGI UTILITIES, INC. - ELECTRIC DIVISION**  
**UNADJUSTED PLANT IN SERVICE**  
**FOR THE YEARS ENDED SEPTEMBER 30, 2016, 2017, 2018 AND 2019**

<b>ACCOUNT</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
392.4 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS	\$ -	\$ -	\$ -	\$ -
396 POWER OPERATED EQUIPMENT	167,867	145,839	145,839	145,839
<b>TOTAL SPECIAL DEPRECIABLE PLANT</b>	<b>\$ 167,867</b>	<b>\$ 145,839</b>	<b>\$ 145,839</b>	<b>\$ 145,839</b>
<b>TOTAL DEPRECIABLE PLANT</b>	<b>\$ 132,348,681</b>	<b>\$ 140,419,566</b>	<b>\$ 151,831,017</b>	<b>\$ 161,210,316</b>
<b>NONDEPRECIABLE PLANT</b>				
301.1 ORGANIZATION	\$ 1,602	\$ 1,602	\$ 1,602	\$ 1,602
302.1 FRANCHISES AND CONSENTS - PERPETUAL	6,436	6,436	6,436	6,436
360.1 LAND AND LAND RIGHTS - LAND	83,832	83,832	83,832	83,832
360.2 LAND AND LAND RIGHTS - LAND RIGHTS	14,336	14,336	14,336	14,336
389.1 LAND AND LAND RIGHTS - LAND	89,222	89,222	89,222	89,222
<b>TOTAL NONDEPRECIABLE PLANT</b>	<b>\$ 195,428</b>	<b>\$ 195,429</b>	<b>\$ 195,428</b>	<b>\$ 195,428</b>
<b>LESS GENERAL AND INTANGIBLE PLANT ALLOCATED TO TRANSMISSION - 22.572%</b>	<b>\$ (1,034,580)</b>	<b>\$ (1,003,543)</b>	<b>\$ (1,073,408)</b>	<b>\$ (1,009,585)</b>
<b>TOTAL ELECTRIC PLANT</b>	<b>\$ 131,509,529</b>	<b>\$ 139,611,452</b>	<b>\$ 150,953,037</b>	<b>\$ 160,396,159</b>
<b>SUMMARY</b>				
DISTRIBUTION	127,859,468	136,067,948	147,169,671	156,831,908
GENERAL PLANT	3,650,061	3,543,504	3,783,366	3,564,251
<b>TOTAL PLANT</b>	<b>\$ 131,509,529</b>	<b>\$ 139,611,452</b>	<b>\$ 150,953,037</b>	<b>\$ 160,396,159</b>

Note: Common asset allocations are excluded from these plant in service amounts. Please refer to the UGI Electric Exhibit A (Fully Projected), UGI Electric Exhibit A (Future) and UGI Electric Exhibit A (Historic) for the common asset allocations.

UGI Utilities, Inc. - Electric Division  
Docket No. R-2017-2640058  
2018 Base Rate Case  
Responses to Section 53.53 - VI - Unadjusted Comparative Balance sheets and Operating  
Income Statements  
Delivered on January 26, 2018

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VI-D-1

Request:

Provide the following unadjusted detailed schedules by function and by FERC account for the claimed test year and for each of the 3 preceding comparable years:

D. Accumulated depreciation.

Response:

Please see Attachment VI-D-1.

Prepared by or under the supervision of: Megan Mattern

**UGI UTILITIES, INC. - ELECTRIC DIVISION  
UNADJUSTED ACCUMULATED DEPRECIATION EXPENSE  
FOR THE YEARS ENDED SEPTEMBER 30, 2016, 2017, 2018 AND 2019**

ACCOUNT	2016	2017	2018	2019
<b><u>ELECTRIC PLANT</u></b>				
<b>DISTRIBUTION PLANT</b>				
361 STRUCTURES AND IMPROVEMENTS	\$ 7,063	\$ 7,361	\$ 7,647	\$ 7,925
362 STATION EQUIPMENT	407,028	136,836	65,347	(97,494)
364 POLES, TOWERS AND FIXTURES	12,023,882	12,500,003	12,836,360	13,198,673
365 OVERHEAD CONDUCTORS AND DEVICES	9,047,664	9,696,167	10,349,964	11,039,807
366 UNDERGROUND CONDUIT	1,739,150	1,811,798	1,849,398	1,897,136
367 UNDERGROUND CONDUCTORS AND DEVICES	2,688,801	2,696,846	2,751,761	2,840,097
368.1 TRANSFORMERS	7,162,567	7,113,929	7,213,446	7,316,624
368.2 TRANSFORMER INSTALLATIONS	4,782,077	4,977,211	5,106,927	5,258,717
369 SERVICES	5,988,806	6,251,682	6,505,019	6,759,780
370.1 METERS	1,847,322	1,904,272	1,949,884	1,991,811
370.2 METER INSTALLATIONS	661,710	683,500	711,001	737,710
370.3 ELECTRONIC METERS	3,042,265	3,316,563	3,468,920	3,619,025
371 INSTALLATIONS ON CUSTOMER PREMISES	697,474	730,370	820,517	899,167
371.5 INSTALLATIONS ON CUSTOMER PREMISES - DUSK TO DAWN LIGHTS	304,814	311,695	317,118	321,950
373 STREET LIGHTING AND SIGNAL SYSTEMS	892,423	826,763	768,258	715,138
<b>TOTAL DISTRIBUTION PLANT</b>	<b>\$ 51,293,046</b>	<b>\$ 52,964,996</b>	<b>\$ 54,721,567</b>	<b>\$ 56,506,066</b>
<b>GENERAL PLANT</b>				
390.1 STRUCTURES AND IMPROVEMENTS				
FORTY FORT	\$ 586,604	\$ 628,390	\$ 687,831	\$ 717,369
PLYMOUTH	14,059	15,111	15,111	15,111
IDETOWN	14,541	14,541	14,541	14,541
NANTICOKE	61,147	76,179	76,179	76,179
EMPIRE YARD	1,678	17,708	19,895	19,895
<i>SUBTOTAL ACCOUNT 390.1</i>	<i>\$ 678,029</i>	<i>\$ 751,929</i>	<i>\$ 813,557</i>	<i>\$ 434,875</i>
390.2 IMPROVEMENTS TO LEASED PROPERTY	\$ 67,354	\$ 63,803	\$ -	\$ -
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	10,884	11,472	16,219	24,319
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	9,438	10,623	20,263	41,942
391.92 OFFICE FURNITURE AND EQUIPMENT - OUTAGE MANAGEMENT SOFTWARE	491,436	517,036	10,627	174,952
393 STORES EQUIPMENT	11,733	12,827	839	1,205
394 TOOLS, SHOP AND GARAGE EQUIPMENT	303,924	322,714	366,605	396,578
395 LABORATORY EQUIPMENT	69,154	83,567	100,361	105,454
397 COMMUNICATION EQUIPMENT	805,638	864,570	736,111	473,101
398 MISCELLANEOUS EQUIPMENT	59,215	68,903	58,229	25,243
<b>TOTAL GENERAL PLANT</b>	<b>\$ 2,506,805</b>	<b>\$ 2,707,444</b>	<b>\$ 2,122,811</b>	<b>\$ 1,677,669</b>
<b>SPECIAL DEPRECIABLE PLANT</b>				
392.4 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS	\$ 201	\$ 100	\$ -	\$ -
396 POWER OPERATED EQUIPMENT	164,811	143,170	143,476	143,753
<b>TOTAL SPECIAL DEPRECIABLE PLANT</b>	<b>\$ 165,012</b>	<b>\$ 143,270</b>	<b>\$ 143,476</b>	<b>\$ 143,753</b>

**UGI UTILITIES, INC. - ELECTRIC DIVISION  
UNADJUSTED ACCUMULATED DEPRECIATION EXPENSE  
FOR THE YEARS ENDED SEPTEMBER 30, 2016, 2017, 2018 AND 2019**

ACCOUNT	2016	2017	2018	2019
<b>TOTAL DEPRECIABLE PLANT</b>	<u>\$ 53,964,863</u>	<u>\$ 55,815,710</u>	<u>\$ 56,987,854</u>	<u>\$ 58,327,488</u>
<b>LESS GENERAL AND INTANGIBLE PLANT ALLOCATED TO TRANSMISSION - 22.572%</b>	<u>\$ (602,687)</u>	<u>\$ (643,041)</u>	<u>\$ (511,211)</u>	<u>\$ (410,862)</u>
<b>TOTAL ELECTRIC PLANT</b>	<u>\$ 53,362,176</u>	<u>\$ 55,172,669</u>	<u>\$ 56,476,643</u>	<u>\$ 57,916,626</u>
<b>SUMMARY</b>				
DISTRIBUTION	51,293,046	52,964,996	54,721,567	56,506,066
GENERAL PLANT	<u>2,069,130</u>	<u>2,207,673</u>	<u>1,755,076</u>	<u>1,410,560</u>
<b>TOTAL PLANT</b>	<u>\$ 53,362,176</u>	<u>\$ 55,172,669</u>	<u>\$ 56,476,643</u>	<u>\$ 57,916,626</u>

Note: Common asset allocations are excluded from these accumulated depreciation amounts. Please refer to the UGI Electric Exhibit A (Fully Projected), UGI Electric Exhibit A (Future) and UGI Electric Exhibit A (Historic) for the common asset allocations.



**INDEX OF ATTACHMENTS ON CD**

**UGI UTILITIES, INC. – ELECTRIC DIVISION  
2018 BASE RATE CASE  
DOCKET NO. R-2017-2640058**

**BOOK II**

**INDEX OF ATTACHMENTS ON CD**

Attachments III-F-1.1 through III-F-1.7

Attachment IV-C-1

**CD CONTAINING ATTACHMENTS**