



August 31, 2023

Ms. Malika Davis, Deputy Director
Delaware Public Service Commission
861 Silver Lake Boulevard
Cannon Building, Suite 100
Dover, Delaware 19904

RE: Chesapeake Utilities Corporation – Delaware Division
Gas Sales Service Rates - Effective November 1, 2023

Dear Ms. Davis:

Enclosed for filing is an electronic copy of Chesapeake Utilities Corporation's ("Chesapeake") application for a proposed change in its Gas Sales Service Rates ("GSR") to be effective for service rendered on and after November 1, 2023.

Pursuant to the provisions of Chesapeake's GSR tariff clause, Chesapeake submits the following Gas Sales Service Rates to be effective for service rendered on and after November 1, 2023: \$0.884 per Ccf for customers served under rate schedules RS-1, ERS-1, RS-2, ERS-2, USA-R, GS, EGS, USA-G, MVS, EMVS, USA-M and LVS; \$0.513 per Ccf for customers served under rate schedules GLR and GLO; and \$0.815 per Ccf for customers served under rate schedule HLFS. The Company also submits the following balancing rates to be effective for service rendered on and after November 1, 2023: \$0.222 per Ccf for transportation customers served under rate schedules GS, EGS and USA-G; \$0.256 per Ccf for transportation customers served under rate schedules MVS, EMVS and USA-M; \$0.205 per Ccf for transportation customers served under rate schedule LVS; \$0.042 per Ccf for transportation customers served under rate schedule HLFS; and \$0.003 per Ccf for transportation customers served under rate schedule ITS.

As compared to the rates in effect on November 1, 2022, an average RS-2 customer using 700 Ccf per year will experience an annual decrease of approximately 19.13% or \$19.95 per month. During the winter heating season, a typical RS-2 customer using 120 Ccf per month will experience a decrease of approximately 21.26% or \$41.04 per winter month.

The basis and reasons for the proposed changes are discussed and explained in the testimony and schedules accompanying the enclosed application.

Also, enclosed is the Delaware Public Service Commission's "Filing Cover Sheet".

500 Energy Lane
Dover, DE 199017
p 302.213.7364

www.chpk.com



Should you have any questions with regard to this submission, please contact me at the number or email listed below, or Marie Kozel at 302.734.6727 or mkozel@chpk.com.

/s/ Lindsay Orr Foy

Lindsay Orr Foy (No. 5321)
AVP, Associate General Counsel
Chesapeake Utilities Corporation
114 Sandhill Drive, Suite 105
Middletown, DE 19709
Phone: (302) 314-7026
Email: LFoy@chpk.com

Attachments

CC: Matthew Hartigan, Delaware Public Service Commission (Electronic Delivery)
Sommer Poppe, Esquire, Delaware Public Service Commission (Electronic Delivery)
Malika Davis, Delaware Public Service Commission (Electronic Delivery)
Clishona Marshall, Delaware Public Service Commission (Electronic Delivery)
Ruth Ann Price, Delaware Public Advocate (Electronic Delivery)
Regina Iorii, Esquire, Delaware Public Advocate (Electronic Delivery)

For PSC Use Only:

Docket No. _____

Filing Date: _____

Reviewer: _____

Given to: _____

**DELAWARE PUBLIC SERVICE COMMISSION
FILING COVER SHEET**

1. NAME OF APPLICANT: Chesapeake Utilities Corporation
2. TYPE OF FILING: RATE CHANGE X
FUEL ADJUSTMENT _____
ADMINISTRATIVE _____
CPCN _____
NEW SERVICE OFFERING _____
OTHER _____

IF A TELECOMMUNICATIONS FILING, WHAT TYPE OF SERVICE IS IMPACTED?
(PLEASE CHECK)

BASIC _____ COMPETITIVE _____ DISCRETIONARY _____

3. PROPOSED EFFECTIVE DATE: 11/01/2023

IS EXPEDITED TREATMENT REQUESTED? YES _____ NO X

4. SHORT SYNOPSIS OF FILING: Chesapeake Utilities Corporation proposes to change its GSR and balancing charges to be effective with service rendered on and after November 1, 2023.

5. DOES THIS FILING RELATE TO PENDING DOCKETS? YES _____ NO X

IF SO, PLEASE LIST DOCKET(S) NO(S):

6. IS PUBLIC NOTICE REQUIRED? YES X NO _____
IF YES, PLEASE ATTACH COPY OF PROPOSED PUBLIC NOTICE.

7. APPLICANT'S CONTACT PERSON: (NAME) Marie E. Kozel
(TITLE) Regulatory Manager
(TELE. NO.) 302.734.6727
(FAX NO.) 302.744.2225

8. DID YOU PROVIDE A COMPLETE COPY OF THE FILING TO THE PUBLIC ADVOCATE?

YES X NO _____ IF SO, WHEN? August 31, 2023

9. FILING FEE ENCLOSED: \$100.00
(AMOUNT)

NOTE: House Bill 681, enacted into law 7/13/98, authorizes the Commission to recover the cost of time spent by in-house staff to process all filings initiated after the date of enactment. You may be required to reimburse the Commission for staff time.

Rate Schedule	Present Firm Balancing Rate	Proposed Firm Balancing Rate
GS/EGS/USA-G	\$0.175	\$0.222
MVS/EMVS/USA-M	\$0.208	\$0.256
LVS	\$0.157	\$0.205
HLFS	\$0.051	\$0.042
ITS	\$0.005	\$0.003

By Order No. ____ dated _____, 2023, the Commission permitted the proposed GSR and other rates to become effective with usage on and after November 1, 2023, subject to refund and pending the Commission's final decision after evidentiary hearings and any other proceedings that may be necessary.

The Commission will conduct evidentiary hearings, to be scheduled at a later date, concerning this Application. The Commission's final decision will be based on the entire record of the case.

If you wish to formally participate as a party in this matter, with the right to present evidence and be represented by counsel, you must file with the Commission a written petition for leave to intervene in accordance with the requirements of the Commission's Rules of Practice and Procedure (26 Del. Admin. C. § 1001-2.9) **on or before** _____, _____, **2023**. All such petitions should be e-filed according to the Commission's Rules (26 Del. Admin. C. § 1001-1.6.4). Petitions filed after the deadline of _____, _____, **2023**, will not be considered except for good cause shown.

Interested persons are afforded the opportunity to file objections to the proposed changes to the GSR and the accompanying proposed tariff revisions set forth in the Application. Such objections or written comments shall be filed **on or before** _____, _____, **2023** using the Commission's file management system, DelaFile (<http://delafire.delaware.gov>), and by searching for Docket No. 23- ____.

You are invited to review Chesapeake's Application and supporting documents to determine how your interests may be affected by going to DelaFile (<http://delafile.delaware.gov>), the Commission's file management system, and by searching for Docket No. 23 ____.

If you would like to review documents at the Commission's offices, please contact Malika Davis at (302) 736-7500 or by sending an email addressed to malika.davis@delaware.gov. You may also review copies of Chesapeake's Application and supporting documents at the office of the Division of the Public Advocate located at either 820 North French Street, 4th Floor, Wilmington, DE 19801 or 29 South State Street, Dover, DE 19901. Please call either (302) 577-5077 (Wilmington) or (302) 241-2555 (Dover) to arrange for a time to review the documents at either of those locations.

If you wish to request copies of documents in this matter, please submit a Freedom of Information Act Request Form. The link to this form can be found on the Commission's website, <http://depsec.delaware.gov>, or by visiting this web address: <https://delafile.delaware.gov/Complaints/FOIA.aspx>. The Commission will respond to your request in accordance with the Delaware Freedom of Information Act, 29 *Del. C.* ch. 100.

If you have a disability and wish to participate or to review the materials in this matter, please contact the Commission to discuss any auxiliary aids or services you might need to help you. You may contact the Commission in person, by writing, by telephone (including text telephone), by Internet e-mail, or other means. If you have questions about this matter, you may call the Commission at 1-800-282-8574 (toll-free in Delaware) or (302) 736-7500 (voice and text telephone). You may also send questions regarding this matter by Internet e-mail addressed to psc@state.de.us; include "PSC Docket No. 23- ____" as the subject.

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF DELAWARE**

**IN THE MATTER OF THE APPLICATION OF)
CHESAPEAKE UTILITIES CORPORATION)
FOR APPROVAL OF A CHANGE IN ITS) P.S.C. DOCKET NO. 23-
GAS SALES SERVICE RATES (“GSR”))
TO BE EFFECTIVE NOVEMBER 1, 2023)
(FILED AUGUST 31, 2023))**

Chesapeake Utilities Corporation (hereinafter sometimes called "Applicant") pursuant to 26 Del. C. §§ 303(b) and 304, makes the following application for approval by the Delaware Public Service Commission (the “Commission”) of a change in its Gas Sales Service Rates (“GSR”) and balancing rates to be effective for service rendered on and after November 1, 2023:

1. Applicant is Chesapeake Utilities Corporation, 500 Energy Lane, Dover, Delaware 19901. All communications should be addressed to the Applicant at the following address, Attention: Marie E. Kozel, Regulatory Manager, Chesapeake Utilities Corporation, 500 Energy Lane, Suite 100, Dover, Delaware 19901 or at the following email address: mkozel@chpk.com. The respective phone number and fax number are 302.734.6727 and 302.744.2225.

2. Counsel for the Applicant is Lindsay Orr Foy, Associate General Counsel, Chesapeake Utilities Corporation, 114 Sandhill Drive, Suite 105, Middletown, DE 19709. Correspondence and other communications concerning this application should be directed to counsel at the following e-mail address: LFoy@chpk.com. Counsel’s phone number is 302.314.7026.

3. Pursuant to the provisions of Applicant's Gas Sales Service Rate tariff clause, Applicant requests permission to decrease Applicant's current Gas Sales Service Rates from positive surcharges of \$1.226 per Ccf for customers served under rate schedules RS-1, ERS-1, RS-

2, ERS-2, USA-R, GS, EGS, USA-G, MVS, EMVS, USA-M and LVS; \$0.829 per Ccf for customers served under rate schedules GLR and GLO; and \$1.109 per Ccf for customers served under rate schedule HLFS, to positive surcharges of \$0.884 per Ccf, \$0.513 per Ccf and \$0.815 per Ccf respectively, with said changes to be effective for service rendered on and after November 1, 2023 and thereafter until changed by further order of the Commission.

4. Applicant also requests permission to (a) increase Applicant's firm balancing rate for transportation customers served under rate schedules GS, EGS and USA-G of \$0.175 per Ccf to \$0.222; (b) increase Applicant's firm balancing rate for transportation customers served under rate schedules MVS, EMVS and USA-M from \$0.208 per Ccf to \$0.256 per Ccf; (c) increase Applicant's firm balancing rate for transportation customers served under rate schedule LVS from \$0.157 per Ccf to \$0.205 per Ccf, (d) decrease Applicant's firm balancing rate for transportation customers served under rate schedule HLFS from \$0.051 per Ccf to \$0.042 per Ccf, and (e) decrease Applicant's firm balancing rate for transportation customers served under rate schedule ITS from \$0.005 per Ccf to \$0.003 per Ccf.

5. The full calculation of the proposed Gas Sales Service Rates is set forth in Schedule A.1 and the calculation of the balancing rates is set forth in Schedule J, both of which are attached to this Application. The reasons and basis for the proposed changes in Applicant's present Gas Sales Service Rates and balancing rates are more fully explained by direct testimony filed herewith.

WHEREFORE, the Applicant prays as follows:

- A. That the Commission file this Application and schedule it for hearing;
- B. That the Commission approve (i) the proposed decrease in Applicant's Gas Sales

Service Rates to a positive surcharge of \$0.884 per Ccf for customers served under rate schedules RS-1, ERS-1, RS-2, ERS-2, USA-R, GS, EGS, USA-G, MVS, EMVS, USA-M and LVS; (ii) the proposed decrease to a positive surcharge of \$0.513 per Ccf for customers served under rate schedules GLR and GLO; (iii) the proposed decrease to a positive surcharge of \$0.815 per Ccf for customers served under rate schedule HLFS; (iv) the proposed increased firm balancing rate for transportation customers served under rate schedules GS, EGS and USA-G of \$0.222 per Ccf; (v) the proposed increase in Applicant's firm balancing rate for transportation customers served under rate schedules MVS, EMVS and USA-M to a positive surcharge of \$0.256 per Ccf; (vi) the proposed increase in Applicant's firm balancing rate for transportation customers served under rate schedule LVS to a positive surcharge of \$0.205 per Ccf; (vii) the proposed decrease in Applicant's firm balancing rate for transportation customers served under rate schedule HLFS to a positive surcharge of \$0.042 per Ccf; and (viii) the proposed decrease in Applicant's interruptible balancing rate for transportation customers served under rate schedule ITS to a positive surcharge of \$0.003 per Ccf; with all of said changes to be effective for service rendered on and after November 1, 2023.

SIGNATURES APPEAR ON THE FOLLOWING PAGE(S)

CHESAPEAKE UTILITIES CORPORATION

BY: /s/ Lindsay Orr Foy
Lindsay Orr Foy (Del. I.D. 5321)

Counsel for Chesapeake Utilities Corporation

BY: /s/ Michael Cassel
Michael Cassel
Vice President, Governmental and Regulatory
Affairs

BY: /s/ Marie E. Kozel
Marie E. Kozel
Regulatory Manager

DATED: August 31, 2023

Chesapeake Utilities Corporation
Delaware Division
Development of Gas Sales Service Rates Effective November 1, 2023

Based on Total Firm Gas Costs Recoverable through GSR effective November 1, 2023

Description	Allocator	Total System Costs	Volume (Ccf)	Cost / Ccf
Fixed Gas Costs	Peak Day Capacity Entitlements	\$33,323,328	786,980	\$42.34
Variable Gas Costs	Annual Volume	\$21,815,651	54,938,265	\$0.397
Total Firm Gas Costs	Annual Volume	\$55,138,980	54,938,265	\$1.004

Development of High Load Factor Service Rates per CCF (51.09% Load Factor)

Description	Peak Day Cap. Method	System Average Cost	HLFS Average Rate
Demand Rate (\$42.34 / 186)	\$0.228		
Commodity Rate	\$0.397		
Total Gas Sales Service Rate	\$0.625	\$1.004	\$0.815
Total High Load Factor Dollars			
	Projected Sales	Rate	Total Cost
	5,009,115	\$0.815	\$4,082,429

Development of Gas Lighting Rate per CCF (100% Load Factor)

Description	Peak Day Cap. Method		
Demand Rate (\$42.34 / 365)	\$0.116		
Commodity Rate	\$0.397		
Total Gas Sales Service Rate	\$0.513		
Total Gas Lighting Dollars			
	Projected Sales	Rate	Total Cost
	0	\$0.513	\$0

Development of RS1, ERS1, RS2, ERS2, GS, EGS, MVS, EMVS, and LVS Rate per CCF

Description	Firm Gas Cost	Volume (CCF)	Rate per CCF	Margin Sharing Rate per CCF	Final Rate per CCF
Total System Gas Cost	\$55,138,980	54,938,265			
Less : Allocated to HLFS	\$4,082,429	5,009,115			
Less : Allocated to GL	\$0	0			
Total Remaining System	\$51,056,551	49,929,150	\$1.023	(\$0.139)	\$0.884

Chesapeake Utilities Corporation
Delaware Division
Cost of Fixed and Variable Gas Supply Resources
Based on Projected November 1, 2023 Gas Costs
Transportation Balancing Services

Description	Monthly Demand in DT	Annual Demand in DT	Average Monthly Rate / DT	Average Annual Rate / DT	Current Annualized Gas Cost
Storage Demand					
Columbia					
FSS (includes assoc. SST)	8,224	98,688	\$10.3731	\$124.4773	\$1,023,701
Transco					
GSS	2,655	31,860	\$3.6737	\$44.0846	\$117,045
LSS	580	6,960	\$5.6853	\$68.2235	\$39,570
WSS (includes assoc. FT)	1,503	18,036	\$8.0024	\$96.0282	\$144,330
ESS (includes assoc. FT)	3,776	45,312	\$12.1200	\$145.4405	\$549,183
PS Reservation	311	3,732	\$8.4101	\$100.9207	\$31,386
Fuel Retention (0.0%)	0	0			
ESNG Reservation					
MDTQ (GSS 365 Day, ESS 243 Day)	6,431	77,172	\$24.3384	\$292.0606	\$1,878,242
MDTQ 181 Day (FSS)	8,224	49,344	\$48.6789	\$292.0732	\$2,402,010
MDTQ 151 Day (LSS, WSS)	2,083	10,415	\$58.4126	\$292.0629	\$608,367
MDTQ 90 Day (PS)	311	933	\$97.2937	\$291.8810	\$90,775
Storage Demand	17,049	204,588	\$33.6511	\$403.8131	\$6,884,609
Storage Capacity					
Columbia					
FSS	472,250	5,667,000	\$0.0513	\$0.6156	\$290,717
Transco					
GSS	131,370	1,576,440	\$0.0259	\$0.3102	\$40,756
LSS	29,000	348,000	\$0.0265	\$0.3176	\$9,209
WSS	142,830	1,713,960	\$0.0100	\$0.1204	\$17,202
ESS	31,660	379,920	\$0.1052	\$1.2629	\$39,982
Storage Capacity	807,110	9,685,320	\$0.0411	\$0.4930	\$397,866
Storage Demand & Capacity					
Columbia					
FSS	8,224	98,688	\$13.3189	\$159.8271	\$1,314,418
Transco					
GSS	2,655	31,860	\$4.9529	\$59.4352	\$157,801
LSS	580	6,960	\$7.0084	\$84.1011	\$48,779
WSS	1,503	18,036	\$8.9561	\$107.4733	\$161,532
ESS	3,776	45,312	\$13.0024	\$156.0290	\$589,165
PS Reservation	311	3,732	\$8.4101	\$100.9207	\$31,386
Fuel Retention (0.0%)	0	0			
ESNG Reservation					
MDTQ 365 Day (GSS, ESS)	6,431	77,172	\$24.3384	\$292.0606	\$1,878,242
MDTQ 181 Day (FSS)	8,224	49,344	\$48.6789	\$292.0732	\$2,402,010
MDTQ 151 Day (LSS, WSS)	2,083	10,415	\$58.4126	\$292.0629	\$608,367
MDTQ 90 Day (PS)	311	933	\$97.2937	\$291.8810	\$90,775
Storage Demand & Capacity	17,049	204,588	\$35.5958	\$427.1497	\$7,282,475
Summary Storage Demand & Capacity	17,049			\$427.1497	\$7,282,475
Propane Peak Shaving	6,010			\$0.2561	\$1,539
Design Day FT Capacity Requirements	26,384			\$449.0990	\$11,848,943
Fixed Gas Supply Resources	49,442			\$386.9746	\$19,132,957
Storage Injection & Withdrawal					
GSS	262,740	n/a	\$0.0604	n/a	\$15,867
LSS	58,000	n/a	\$0.0476	n/a	\$2,760
WSS	285,660	n/a	\$0.0044	n/a	\$1,257
ESS	63,320	n/a	\$0.0500	n/a	\$3,169
FSS	944,500	n/a	\$0.0153	n/a	\$14,451
Variable Gas Supply Resources	1,614,220	n/a	\$0.0232	n/a	\$37,504
Half of Variable Rate For Either Injection or Withdrawal			\$0.0116		

Chesapeake Utilities Corporation
Delaware Division
Development of Gas Sales Service Rates Effective November 1, 2023
Balancing Rate Credit for Transportation Customers

Rate Class	Projected Nov-23	Projected Dec-23	Projected Jan-24	Projected Feb-24	Projected Mar-24	Projected Apr-24	Projected May-24	Projected Jun-24	Projected Jul-24	Projected Aug-24	Projected Sep-24	Projected Oct-24	Total
General Service: Volumes - Mcf	1,260	2,287	3,177	2,358	2,434	1,058	925	670	546	465	581	898	16,657
Medium Volume Service: Volumes - Mcf	6,717	11,500	14,738	11,648	11,984	4,982	3,279	1,734	1,312	1,290	1,723	4,297	75,203
Large Volume Service: Volumes - Mcf	83,622	140,939	165,472	134,410	135,570	58,776	44,291	35,791	25,568	25,168	50,490	77,217	977,314
High Load Factor Service: Volumes - Mcf	265,678	323,627	309,212	265,545	278,933	239,708	244,905	256,256	245,305	256,145	260,035	270,980	3,216,329
Interruptible Service: Volumes - Mcf	25,912	33,801	30,649	26,433	27,212	20,035	18,130	23,663	22,721	19,887	23,718	20,612	292,772
Total Transportation Volume - Mcf													4,578,275

Rate Class	Recovered \$ By Rate Class	Marlin Capacity Reservation Recovery per Mcf
0.3638%	248	\$ 0.01489
1.6426%	1,120	0.01489
21.3468%	14,555	0.01489
70.2520%	47,900	\$ 0.01489
6.3948%	4,360	\$ 0.01489
100.0000%	\$ 68,182.52	

Total Firm Sales Volume - Mcf	5,493,826
Total Volume Firm Sales and Transportation - Mcf	10,072,102
Transportation Percentage of Total Volume	45.4550%

	Monthly Cost	Annual Cost	Transportation % of Total Volume	Transportation Share of Costs	Total to be Recovered
Marlin Capacity Reservation	\$12,500	\$150,000	45.46%	\$68,183	\$68,183
TOTAL					\$68,183

**Chesapeake Utilities Corporation
Delaware Division
Transportation Balancing Services
Development of Interruptible Balancing Service Rate
General Service Transportation Service**

Fixed Gas Supply Cost	Annual Load Factor	Average Daily Load	Cost Per Gas Supply Entitlement	Average Cost per DT	Average Cost @ Use of 45.62%
@ Load Factor of	10%	37	\$386.9746	\$10.4588	
@ Load Factor of	20%	73	\$386.9746	\$5.3010	
@ Load Factor of	30%	110	\$386.9746	\$3.5180	
@ Load Factor of	40%	146	\$386.9746	\$2.6505	
@ Load Factor of	50%	183	\$386.9746	\$2.1146	
@ Load Factor of	60%	219	\$386.9746	\$1.7670	
@ Load Factor of	70%	256	\$386.9746	\$1.5116	
@ Load Factor of	80%	292	\$386.9746	\$1.3253	
@ Load Factor of	90%	329	\$386.9746	\$1.1762	
@ Load Factor of	100%	365	\$386.9746	\$1.0602	
Del. Div. Weighted Average	22.79%	83	\$386.9746	\$4.6623	\$2.1267

Variable Gas Supply Cost			Average Cost per DT	Estimated Imbalance Percentage	Variable Cost per DT
Variable Commodity Rate			\$0.0116	35.43%	\$0.0041

Development of Interruptible Balancing Service Rate		
Fixed Capacity Rate per DT		\$2.1267
Variable Commodity Rate per DT		\$0.0041
Balancing Service Rate per DT		\$2.1308
Balancing Service Rate per Mcf		\$2.2054
Marlin Capacity Reservation Recovery per Mcf		\$0.0149
Total Balancing Service Rate per Mcf		\$2.2203
Total Balancing Service Rate per Ccf		\$0.222

**Chesapeake Utilities Corporation
Delaware Division
Transportation Balancing Services
Development of Firm Balancing Service Rate
Medium Volume Service**

Fixed Gas Supply Cost	Annual Load Factor	Average Daily Load	Cost Per Gas Supply Entitlement	Average Cost per DT	Average Cost 47.57% Design Day
@ Load Factor of	10%	37	\$386.9746	\$10.4588	\$4.9758
@ Load Factor of	20%	73	\$386.9746	\$5.3010	\$2.5219
@ Load Factor of	30%	110	\$386.9746	\$3.5180	\$1.6737
@ Load Factor of	40%	146	\$386.9746	\$2.6505	\$1.2610
@ Load Factor of	50%	183	\$386.9746	\$2.1146	\$1.0060
@ Load Factor of	60%	219	\$386.9746	\$1.7670	\$0.8406
@ Load Factor of	70%	256	\$386.9746	\$1.5116	\$0.7191
@ Load Factor of	80%	292	\$386.9746	\$1.3253	\$0.6305
@ Load Factor of	90%	329	\$386.9746	\$1.1762	\$0.5596
@ Load Factor of	100%	365	\$386.9746	\$1.0602	\$0.5044
Del. Div. Weighted Average	20.61%	75	\$386.9746	\$5.1597	\$2.4547

Variable Gas Supply Cost			Average Cost per DT	Estimated Imbalance Percentage	Variable Cost per DT
Variable Commodity Rate			\$0.0116	41.43%	\$0.0048

Development of Firm Balancing Service Rate			
	Fixed Capacity Rate per DT		\$2.4547
	Variable Commodity Rate per DT		\$0.0048
	Firm Balancing Service Rate per DT		\$2.4595
	Balancing Service Rate per Mcf		\$2.5456
	Marlin Capacity Reservation Recovery per Mcf		\$0.0149
	Total Balancing Service Rate per Mcf		\$2.5605
	Total Firm Balancing Service Rate per Ccf		\$0.256

**Chesapeake Utilities Corporation
Delaware Division
Transportation Balancing Services
Development of Firm Balancing Service Rate
Large Volume Service**

Fixed Gas Supply Cost	Annual Load Factor	Average Daily Load	Cost Per Gas Supply Entitlement	Average Cost per DT	Average Cost 45.18% Design Day
@ Load Factor of	10%	37	\$386.9746	\$10.4588	\$4.7251
@ Load Factor of	20%	73	\$386.9746	\$5.3010	\$2.3949
@ Load Factor of	30%	110	\$386.9746	\$3.5180	\$1.5894
@ Load Factor of	40%	146	\$386.9746	\$2.6505	\$1.1974
@ Load Factor of	50%	183	\$386.9746	\$2.1146	\$0.9553
@ Load Factor of	60%	219	\$386.9746	\$1.7670	\$0.7983
@ Load Factor of	70%	256	\$386.9746	\$1.5116	\$0.6829
@ Load Factor of	80%	292	\$386.9746	\$1.3253	\$0.5987
@ Load Factor of	90%	329	\$386.9746	\$1.1762	\$0.5314
@ Load Factor of	100%	365	\$386.9746	\$1.0602	\$0.4790
Del. Div. Weighted Average	24.36%	89	\$386.9746	\$4.3480	\$1.9643

Variable Gas Supply Cost			Average Cost per DT	Estimated Imbalance Percentage	Variable Cost per DT
Variable Commodity Rate			\$0.0116	33.52%	\$0.0039

Development of Firm Balancing Service Rate			
	Fixed Capacity Rate per DT		\$1.9643
	Variable Commodity Rate per DT		\$0.0039
	Firm Balancing Service Rate per DT		\$1.9682
	Balancing Service Rate per Mcf		\$2.0371
	<i>Marlin Capacity Reservation Recovery per Mcf</i>		\$0.0149
	Total Balancing Service Rate per Mcf		\$2.0520
	Total Firm Balancing Service Rate per Ccf		\$0.205

**Chesapeake Utilities Corporation
Delaware Division
Transportation Balancing Services
Development of Firm Balancing Service Rate
High Load Factor Service**

Fixed Gas Supply Cost	Annual Load Factor	Average Daily Load	Cost Per Gas Supply Entitlement	Average Cost per DT	Average Cost 18.67% Design Day
@ Load Factor of	10%	37	\$386.9746	\$10.4588	\$1.9527
@ Load Factor of	20%	73	\$386.9746	\$5.3010	\$0.9897
@ Load Factor of	30%	110	\$386.9746	\$3.5180	\$0.6568
@ Load Factor of	40%	146	\$386.9746	\$2.6505	\$0.4948
@ Load Factor of	50%	183	\$386.9746	\$2.1146	\$0.3948
@ Load Factor of	60%	219	\$386.9746	\$1.7670	\$0.3299
@ Load Factor of	70%	256	\$386.9746	\$1.5116	\$0.2822
@ Load Factor of	80%	292	\$386.9746	\$1.3253	\$0.2474
@ Load Factor of	90%	329	\$386.9746	\$1.1762	\$0.2196
@ Load Factor of	100%	365	\$386.9746	\$1.0602	\$0.1979
Del. Div. Weighted Average	51.09%	186	\$386.9746	\$2.0805	\$0.3884

Variable Gas Supply Cost			Average Cost per DT	Estimated Imbalance Percentage	Variable Cost per DT
Variable Commodity Rate			\$0.0116	4.86%	\$0.0006

Development of Firm Balancing Service Rate			
	Fixed Capacity Rate per DT	\$0.3884	
	Variable Commodity Rate per DT	\$0.0006	
	Firm Balancing Service Rate per DT	\$0.3890	
	Balancing Service Rate per Mcf	\$0.4026	
	Marlin Capacity Reservation Recovery per Mcf	\$0.0149	
	Total Balancing Service Rate per Mcf	\$0.4175	
	Total Firm Balancing Service Rate per Ccf	\$0.042	

**Chesapeake Utilities Corporation
Delaware Division
Transportation Balancing Services
Development of Interruptible Balancing Service Rate
Interruptible Transportation Service**

Fixed Gas Supply Cost	Annual Load Factor	Average Daily Load	Cost Per Gas Supply Entitlement	Average Cost per DT	Average Cost @ Use of 1.00%
@ Load Factor of	10%	37	\$386.9746	\$10.4588	
@ Load Factor of	20%	73	\$386.9746	\$5.3010	
@ Load Factor of	30%	110	\$386.9746	\$3.5180	
@ Load Factor of	40%	146	\$386.9746	\$2.6505	
@ Load Factor of	50%	183	\$386.9746	\$2.1146	
@ Load Factor of	60%	219	\$386.9746	\$1.7670	
@ Load Factor of	70%	256	\$386.9746	\$1.5116	
@ Load Factor of	80%	292	\$386.9746	\$1.3253	
@ Load Factor of	90%	329	\$386.9746	\$1.1762	
@ Load Factor of	100%	365	\$386.9746	\$1.0602	
Interruptible @ 100% LFR	100.00%	365	\$386.9746	\$1.0602	\$0.0106


Variable Gas Supply Cost			Average Cost per DT	Estimated Imbalance Percentage	Variable Cost per DT
Variable Commodity Rate			\$0.0116	13.93%	\$0.0016

Development of Interruptible Balancing Service Rate		
Fixed Capacity Rate per DT		\$0.0106
Variable Commodity Rate per DT		\$0.0016
Balancing Service Rate per DT		\$0.0122
Balancing Service Rate per Mcf		\$0.0126
Marlin Capacity Reservation Recovery per Mcf		\$0.0149
Total Balancing Service Rate per Mcf		\$0.0275
Total Balancing Service Rate per Ccf		\$0.003

DATED: August 31, 2023


STATE OF FLORIDA)
)
COUNTY OF NASSAU)

BE IT REMEMBERED that on this 31st day of August, 2023, personally appeared before me, a notary public for the State and County aforesaid, Michael Cassel, who being by me duly sworn, did depose and say that he is Vice President for Chesapeake Utilities Corporation, a Delaware corporation and insofar as the Application of Chesapeake Utilities Corporation states facts, said facts are true and correct, and insofar as those facts are not within his personal knowledge, he believes them to be true, and that the schedules accompanying this application and attached hereto are true and correct copies of the originals of the aforesaid schedules, and that he has executed this Application on behalf of the Company.

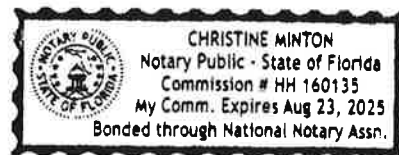


Michael Cassel
Vice President

SWORN TO AND SUBSCRIBED before me the day and year above written.



Notary Public
My Commission Expires: August 23, 2025



**RATE SCHEDULE "GS"
GENERAL SERVICE**

AVAILABILITY

This Rate Schedule is available to any Customer using gas for commercial and/or industrial purposes with an annual consumption of less than four thousand (4,000) Ccf. The Company will annually review those Customers receiving service under this Rate Schedule in order to determine the appropriate firm commercial and/or industrial Rate Schedule should their annual consumption warrant such a change. A Customer on General Service will be moved to Rate Schedule MVS with annual consumption equal to or greater than four thousand four hundred (4,400) Ccf. This annual review process will be based on the twelve (12) months ended May. Customers will not be shifted between Rate Schedules due to changes in annual consumption other than at the annual review time.

DELIVERY SERVICE RATES

The following rates for delivering gas to the Customer's location apply to all Customers served under this Rate Schedule.

Customer Charge:	\$34.00 per month
First 20 Ccf	\$0.391 per Ccf
Next 30 Ccf	\$0.222 per Ccf
Over 50 Ccf	\$0.084 per Ccf

GAS SALES SERVICE

In addition to the above Delivery Service rates, Customers purchasing their natural gas supply from the Company are subject to the gas cost rate applicable to Rate Schedule "GS" provided on Sheet No. 42.

TRANSPORTATION AND BALANCING RIDER

Transportation service is available to commercial and industrial Customers on this Rate Schedule who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service Rate applied to all gas consumption.

Firm Balancing Service Rate:	\$0.222 per Ccf of gas consumed
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RATE SCHEDULE "EGS"

**EXPANSION AREA GENERAL SERVICE
(Continued)**

TRANSPORTATION AND BALANCING RIDER

Transportation service is available to commercial and industrial Customers on this Rate Schedule who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service Rate applied to all gas consumption

Firm Balancing Service Rate: \$0.222 per Ccf of gas consumed

PUBLIC UTILITIES TAX

The Delivery Service, Gas Sales Service, Firm Balancing Service, and any other applicable rates or charges are subject to the Delaware Public Utilities Tax unless the Customer is exempt from such tax.

PAYMENT TERMS

Bills are due within twenty (20) days of their date.

MINIMUM BILL

The minimum monthly bill under this Rate Schedule is the Customer charge.

SPECIAL TERMS AND CONDITIONS OF SERVICE

- (1) Service under this Rate Schedule is subject to the standard terms and conditions of service as in effect from time to time under authority of the Public Service Commission of Delaware. It is also subject to the limitations stated under the "Availability" clause above.
- (2) Natural gas purchased hereunder is for the use of the Customer in one (1) location only and is not to be shared or sold to others except for retail sale as a fuel to natural gas vehicles and except for sale or transportation of CNG to third parties.

Issue Date: August 31, 2023
Effective Date: For Service Rendered on and after November 1, 2023
Authorization:

RATE SCHEDULE "USA-G"

**UNDERSERVED AREA – GENERAL SERVICE
(Continued)**

TRANSPORTATION AND BALANCING RIDER

Transportation service is available to commercial and industrial Customers on this Rate who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service Rate applied to all gas consumption

Firm Balancing Service Rate: \$0.222 per Ccf of gas consumed

PUBLIC UTILITIES TAX

The Delivery Service, Gas Sales Service, and any other applicable rates or charges are subject to the Delaware Public Utilities Tax unless the Customer is exempt from such tax.

PAYMENT TERMS

Bills are due within twenty (20) days of their date.

MINIMUM BILL

The minimum monthly bill under this Rate Schedule is the Customer charge.

SPECIAL TERMS AND CONDITIONS OF SERVICE

- (1) Service under this Rate Schedule is subject to the standard terms and conditions of service as in effect from time to time under authority of the Public Service Commission of Delaware. It is also subject to the limitations stated under the "Availability" clause above.
- (2) Natural gas purchased hereunder is for the use of the Customer in one (1) location only and is not to be shared or sold to others except for retail sale as a fuel to natural gas vehicles and except for sale or transportation of CNG to third parties.

**RATE SCHEDULE "MVS"
MEDIUM VOLUME SERVICE**

AVAILABILITY

This Rate Schedule is available to any Customer using gas for commercial and/or industrial purposes with an annual consumption generally equal to or greater than four thousand (4,000) Ccf and less than fifteen thousand (15,000) Ccf. The Company will annually review those Customers receiving service under this Rate Schedule in order to determine the appropriate firm commercial and/or industrial Rate Schedule should their annual consumption warrant such a change. A Customer on General Service will be moved to this Rate Schedule with annual consumption equal to or greater than four thousand four hundred (4,400) Ccf. A Customer on this Rate Schedule will be moved to General Service with annual consumption less than three thousand six hundred (3,600) Ccf. The annual review process will be based on the twelve (12) months ended May. Customers will not be shifted between Rate Schedules due to changes in annual consumption other than at the annual review time.

DELIVERY SERVICE RATES

The following rates for delivering gas to the Customer's location apply to all Customers served under this Rate Schedule.

Customer Charge:	\$80.00 per month
First 200 Ccf	\$0.222 per Ccf
Over 200 Ccf	\$0.110 per Ccf

GAS SALES SERVICE

In addition to the above Delivery Service rates, Customers purchasing their natural gas supply from the Company are subject to the gas cost rate applicable to Rate Schedule "MVS" provided on Sheet No. 42.

TRANSPORTATION AND BALANCING RIDER

Transportation service is available to commercial and industrial Customers on this Rate who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the customer is subject to the following Firm Balancing Service Rate applied to all gas consumption

Firm Balancing Service Rate:	\$0.256 per Ccf of gas consumed
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RATE SCHEDULE "EMVS"

**EXPANSION AREA MEDIUM VOLUME SERVICE
(Continued)**

TRANSPORTATION AND BALANCING RIDER

Transportation service is available to commercial and industrial Customers on this Rate who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service Rate applied to all gas consumption

Firm Balancing Service Rate: \$0.256 per Ccf of gas consumed

PUBLIC UTILITIES TAX

The Delivery Service, Gas Sales Service, and any other applicable rates or charges are subject to the Delaware Public Utilities Tax unless the Customer is exempt from such tax.

PAYMENT TERMS

Bills are due within twenty (20) days of their date.

MINIMUM BILL

The minimum monthly bill under this Rate Schedule is the Customer charge.

SPECIAL TERMS AND CONDITIONS OF SERVICE

- (1) Service under this Rate Schedule is subject to the standard terms and conditions of service as in effect from time to time under authority of the Public Service Commission of Delaware. It is also subject to the limitations stated under the "Availability" clause above.
- (2) Natural gas purchased hereunder is for the use of the Customer in one (1) location only and is not to be shared or sold to others except for retail sale as a fuel to natural gas vehicles and except for sale or transportation of CNG to third parties.

Issue Date: August 31, 2023

Effective Date: For Service Rendered on and after November 1, 2023

Authorization:

RATE SCHEDULE "USA-M"

**UNDERSERVED AREA – MEDIUM VOLUME SERVICE
(Continued) TRANSPORTATION AND BALANCING RIDER**

Transportation service is available to commercial and industrial Customers on this Rate who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service Rate applied to all gas consumption

Firm Balancing Service Rate: \$0.256 per Ccf of gas consumed

PUBLIC UTILITIES TAX

The Delivery Service, Gas Sales Service, and any other applicable rates or charges are subject to the Delaware Public Utilities Tax unless the Customer is exempt from such tax.

PAYMENT TERMS

Bills are due within twenty (20) days of their date.

MINIMUM BILL

The minimum monthly bill under this Rate Schedule is the Customer charge.

SPECIAL TERMS AND CONDITIONS OF SERVICE

(1) Service under this Rate Schedule is subject to the standard terms and conditions of service as in effect from time to time under authority of the Public Service Commission of Delaware. It is also subject to the limitations stated under the "Availability" clause above.

(2) Natural gas purchased hereunder is for the use of the Customer in one (1) location only and is not to be shared or sold to others except for retail sale as a fuel to natural gas vehicles and except for sale or transportation of CNG to third parties.

Issue Date: August 31, 2023
Effective Date: For Service Rendered on and after November 1, 2023
Authorization:

RATE SCHEDULE "LVS"

**LARGE VOLUME SERVICE
(Continued)**

TRANSPORTATION AND BALANCING SERVICE

Transportation service is available to commercial and industrial Customers on this Rate Schedule who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service rate applied to all gas consumption.

Firm Balancing Service Rate: \$0.205 per Ccf of gas consumed

PUBLIC UTILITIES TAX

The Delivery Service, Gas Sales Service, Firm Balancing Service, and any other applicable rates or charges are subject to the Delaware Public Utilities Tax unless the Customer is exempt from such tax.

PAYMENT TERMS

Bills are due within twenty (20) days of their date.

MINIMUM BILL

The minimum monthly bill under this Rate Schedule is the Customer charge.

SPECIAL TERMS AND CONDITIONS OF SERVICE

(1) Service under this Rate Schedule is subject to the standard terms and conditions of service as in effect from time to time under authority of the Public Service Commission of Delaware. It is also subject to the limitations stated under the "Availability" clause above.

(2) Natural gas purchased hereunder is for the use of the Customer in one (1) location only and is not to be shared or sold to others except for retail sale as a fuel to natural gas vehicles and except for sale or transportation of CNG to third parties.

Issue Date: August 31, 2023

Effective Date: For Service Rendered on and after November 1, 2023

Authorization:

**RATE SCHEDULE "HLFS" HIGH LOAD FACTOR SERVICE
(Continued) TRANSPORTATION**

AND BALANCING SERVICE

Transportation service is available to commercial and industrial Customers on this Rate who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service rate applied to all gas consumption

Firm Balancing Service Rate: \$0.042 per Ccf of gas consumed

PUBLIC UTILITIES TAX

The Delivery Service, Gas Sales Service, Firm Balancing Service, and any other applicable rates or charges are subject to the Delaware Public Utilities Tax unless the Customer is exempt from such tax.

PAYMENT TERMS

Bills are due within twenty (20) days of their date.

MINIMUM BILL

The minimum monthly bill under this Rate Schedule is the Customer charge.

SPECIAL TERMS AND CONDITIONS OF SERVICE

(1) Service under this Rate Schedule is subject to the standard terms and conditions of service as in effect from time to time under authority of the Public Service Commission of Delaware. It is also subject to the limitations stated under the "Availability" clause above.

(2) Natural gas purchased hereunder is for the use of the Customer in one (1) location only and is not to be shared or sold to others except for retail sale as a fuel to natural gas vehicles and except for sale or transportation of CNG to third parties.

Issue Date: August 31, 2023

Effective Date: For Service Rendered on and after November 1, 2023

Authorization:

RATE SCHEDULE "ITS" INTERRUPTIBLE TRANSPORTATION

SERVICE

AVAILABILITY

This Rate Schedule is available to any non-residential Customer with annual consumption of at least one hundred thousand (100,000) Ccf with facilities in operating condition capable of utilizing an alternative fuel due to the fact gas service provided is subject to complete interruption at any time during the year at the Company's option. The definition of an alternative fuel under this rate schedule shall be propane, fuel oil, or electricity. When applying for service under this Rate Schedule, the Customer is required to provide the Company, in writing, with the type and specific grade of alternative fuel utilized by the Customer. The Customer shall submit, within thirty (30) days of any change in operations, written notification when such change affects its alternate fuel capability. The Customer must also purchase all of its gas from or through a qualified supplier of natural gas as set forth in Rate Schedule SUP.

DELIVERY SERVICE RATE

Customer charge: \$935.00 per month

The rate per Ccf of consumption shall be determined on an individual Customer basis according to the nature of the interruptible service to be provided. This rate can be adjusted upon one (1) days' notice to the Customer.

TRANSPORTATION AND BALANCING SERVICE

Customers must have the natural gas delivered to the Company's city gate in accordance with the Transportation and Balancing Rider General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rate, the Customer is subject to the following Interruptible Balancing Service rate applied to all gas consumption.

Interruptible Balancing Service Rate: \$0.003 per Ccf of gas consumed

RATE SCHEDULE "GSR" GAS SALES SERVICE RATES

FIRM SALES RATE SCHEDULES

The Gas Sales Service Rates applicable to the respective firm Rate Schedules, as listed below, will be applied to all Customers served on that schedule based on a volumetric charge per Ccf (100 cubic feet). The Gas Sales Service Rates only apply to the respective firm Rate Schedules listed below and do not apply to the Interruptible Transportation Service, Transportation Service, Negotiated Contract Rate, and Interruptible Best Efforts Sales Service. The Gas Sales Service Rates will be calculated to the nearest tenth of a cent (.1¢).

The following lists the applicable Gas Sales Service Rates for the respective firm Rate Schedules as defined in this Tariff:

<u>RATE SCHEDULE</u>	<u>GAS SALES SERVICE RATES</u>
RS, ERS, USA-R, GS, EGS, USA-G, MVS, EMVS USA-M, LVS	\$0.884 per Ccf
HLFS	\$1.004 per Ccf
GLR and GLO	\$0.815 per Ccf

These rates are subject to change based on actual and estimated gas costs. The Company will file with the Commission a copy of these Gas Sales Service Rates at least sixty (60) days prior to the regularly scheduled adjustment date, which shall be each November 1.

The November 1 rates will be based on a projected twelve-month period of November through October (projected period). The rates computed under this rate schedule shall remain in effect for the projected period provided the latest estimated over collection does not exceed 4½% or the latest estimated under collection does not exceed 6% of the actual firm gas costs incurred to date along with the Company's latest firm gas cost estimates for the remainder of the over/under collection period (over/under period). The twelve-month period used for the calculation of the over/under period will be based on the actual nine months ended July 31 of each year and the projected three months ended October 31 of each year. If it appears that the use of these rates for the twelve-month over/under period will result in an over or under collection exceeding these limits, the Company shall apply to the Commission for revised rates to be effective until the next annual adjustment in the rates. If the Company's estimated over or under collection exceeds 3%, but is below the 6% under or 4.5% over collection estimate thresholds as noted above, then the Company has the option of applying to the Commission for revised rates to be effective until the next annual adjustment in rates.

Issue Date: August 30, 2023
Effective Date: For Service Rendered on and after November 1, 2023
Authorization:

**RATE SCHEDULE "GS"
GENERAL SERVICE**

AVAILABILITY

This Rate Schedule is available to any Customer using gas for commercial and/or industrial purposes with an annual consumption of less than four thousand (4,000) Ccf. The Company will annually review those Customers receiving service under this Rate Schedule in order to determine the appropriate firm commercial and/or industrial Rate Schedule should their annual consumption warrant such a change. A Customer on General Service will be moved to Rate Schedule MVS with annual consumption equal to or greater than four thousand four hundred (4,400) Ccf. This annual review process will be based on the twelve (12) months ended May. Customers will not be shifted between Rate Schedules due to changes in annual consumption other than at the annual review time.

DELIVERY SERVICE RATES

The following rates for delivering gas to the Customer's location apply to all Customers served under this Rate Schedule.

Customer Charge:	\$34.00 per month
First 20 Ccf	\$0.391 per Ccf
Next 30 Ccf	\$0.222 per Ccf
Over 50 Ccf	\$0.084 per Ccf

GAS SALES SERVICE

In addition to the above Delivery Service rates, Customers purchasing their natural gas supply from the Company are subject to the gas cost rate applicable to Rate Schedule "GS" provided on Sheet No. 42.

TRANSPORTATION AND BALANCING RIDER

Transportation service is available to commercial and industrial Customers on this Rate Schedule who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service Rate applied to all gas consumption.

Firm Balancing Service Rate:	\$0.222 per Ccf of gas consumed
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RATE SCHEDULE "EGS"

**EXPANSION AREA GENERAL SERVICE
(Continued)**

TRANSPORTATION AND BALANCING RIDER

Transportation service is available to commercial and industrial Customers on this Rate Schedule who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service Rate applied to all gas consumption

Firm Balancing Service Rate: \$0.222 per Ccf of gas consumed

PUBLIC UTILITIES TAX

The Delivery Service, Gas Sales Service, Firm Balancing Service, and any other applicable rates or charges are subject to the Delaware Public Utilities Tax unless the Customer is exempt from such tax.

PAYMENT TERMS

Bills are due within twenty (20) days of their date.

MINIMUM BILL

The minimum monthly bill under this Rate Schedule is the Customer charge.

SPECIAL TERMS AND CONDITIONS OF SERVICE

- (1) Service under this Rate Schedule is subject to the standard terms and conditions of service as in effect from time to time under authority of the Public Service Commission of Delaware. It is also subject to the limitations stated under the "Availability" clause above.
- (2) Natural gas purchased hereunder is for the use of the Customer in one (1) location only and is not to be shared or sold to others except for retail sale as a fuel to natural gas vehicles and except for sale or transportation of CNG to third parties.

Issue Date: August 31, 2023
Effective Date: For Service Rendered on and after November 1, 2023
Authorization:

RATE SCHEDULE "USA-G"

**UNDERSERVED AREA – GENERAL SERVICE
(Continued)**

TRANSPORTATION AND BALANCING RIDER

Transportation service is available to commercial and industrial Customers on this Rate who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service Rate applied to all gas consumption

Firm Balancing Service Rate: \$0.222 per Ccf of gas consumed

PUBLIC UTILITIES TAX

The Delivery Service, Gas Sales Service, and any other applicable rates or charges are subject to the Delaware Public Utilities Tax unless the Customer is exempt from such tax.

PAYMENT TERMS

Bills are due within twenty (20) days of their date.

MINIMUM BILL

The minimum monthly bill under this Rate Schedule is the Customer charge.

SPECIAL TERMS AND CONDITIONS OF SERVICE

- (1) Service under this Rate Schedule is subject to the standard terms and conditions of service as in effect from time to time under authority of the Public Service Commission of Delaware. It is also subject to the limitations stated under the "Availability" clause above.
- (2) Natural gas purchased hereunder is for the use of the Customer in one (1) location only and is not to be shared or sold to others except for retail sale as a fuel to natural gas vehicles and except for sale or transportation of CNG to third parties.

**RATE SCHEDULE "MVS"
MEDIUM VOLUME SERVICE**

AVAILABILITY

This Rate Schedule is available to any Customer using gas for commercial and/or industrial purposes with an annual consumption generally equal to or greater than four thousand (4,000) Ccf and less than fifteen thousand (15,000) Ccf. The Company will annually review those Customers receiving service under this Rate Schedule in order to determine the appropriate firm commercial and/or industrial Rate Schedule should their annual consumption warrant such a change. A Customer on General Service will be moved to this Rate Schedule with annual consumption equal to or greater than four thousand four hundred (4,400) Ccf. A Customer on this Rate Schedule will be moved to General Service with annual consumption less than three thousand six hundred (3,600) Ccf. The annual review process will be based on the twelve (12) months ended May. Customers will not be shifted between Rate Schedules due to changes in annual consumption other than at the annual review time.

DELIVERY SERVICE RATES

The following rates for delivering gas to the Customer's location apply to all Customers served under this Rate Schedule.

Customer Charge:	\$80.00 per month
First 200 Ccf	\$0.222 per Ccf
Over 200 Ccf	\$0.110 per Ccf

GAS SALES SERVICE

In addition to the above Delivery Service rates, Customers purchasing their natural gas supply from the Company are subject to the gas cost rate applicable to Rate Schedule "MVS" provided on Sheet No. 42.

TRANSPORTATION AND BALANCING RIDER

Transportation service is available to commercial and industrial Customers on this Rate who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the customer is subject to the following Firm Balancing Service Rate applied to all gas consumption

Firm Balancing Service Rate:	\$0.256 per Ccf of gas consumed
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RATE SCHEDULE "EMVS"

**EXPANSION AREA MEDIUM VOLUME SERVICE
(Continued)**

TRANSPORTATION AND BALANCING RIDER

Transportation service is available to commercial and industrial Customers on this Rate who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service Rate applied to all gas consumption

Firm Balancing Service Rate: \$0.256 per Ccf of gas consumed

PUBLIC UTILITIES TAX

The Delivery Service, Gas Sales Service, and any other applicable rates or charges are subject to the Delaware Public Utilities Tax unless the Customer is exempt from such tax.

PAYMENT TERMS

Bills are due within twenty (20) days of their date.

MINIMUM BILL

The minimum monthly bill under this Rate Schedule is the Customer charge.

SPECIAL TERMS AND CONDITIONS OF SERVICE

- (1) Service under this Rate Schedule is subject to the standard terms and conditions of service as in effect from time to time under authority of the Public Service Commission of Delaware. It is also subject to the limitations stated under the "Availability" clause above.
- (2) Natural gas purchased hereunder is for the use of the Customer in one (1) location only and is not to be shared or sold to others except for retail sale as a fuel to natural gas vehicles and except for sale or transportation of CNG to third parties.

Issue Date: August 31, 2023

Effective Date: For Service Rendered on and after November 1, 2023

Authorization:

RATE SCHEDULE "USA-M"

**UNDERSERVED AREA – MEDIUM VOLUME SERVICE
(Continued) TRANSPORTATION AND BALANCING RIDER**

Transportation service is available to commercial and industrial Customers on this Rate who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service Rate applied to all gas consumption

Firm Balancing Service Rate: \$0.256 per Ccf of gas consumed

PUBLIC UTILITIES TAX

The Delivery Service, Gas Sales Service, and any other applicable rates or charges are subject to the Delaware Public Utilities Tax unless the Customer is exempt from such tax.

PAYMENT TERMS

Bills are due within twenty (20) days of their date.

MINIMUM BILL

The minimum monthly bill under this Rate Schedule is the Customer charge.

SPECIAL TERMS AND CONDITIONS OF SERVICE

(1) Service under this Rate Schedule is subject to the standard terms and conditions of service as in effect from time to time under authority of the Public Service Commission of Delaware. It is also subject to the limitations stated under the "Availability" clause above.

(2) Natural gas purchased hereunder is for the use of the Customer in one (1) location only and is not to be shared or sold to others except for retail sale as a fuel to natural gas vehicles and except for sale or transportation of CNG to third parties.

Issue Date: August 31, 2023
Effective Date: For Service Rendered on and after November 1, 2023
Authorization:

RATE SCHEDULE "LVS"

**LARGE VOLUME SERVICE
(Continued)**

TRANSPORTATION AND BALANCING SERVICE

Transportation service is available to commercial and industrial Customers on this Rate Schedule who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service rate applied to all gas consumption.

Firm Balancing Service Rate: \$0.205 per Ccf of gas consumed

PUBLIC UTILITIES TAX

The Delivery Service, Gas Sales Service, Firm Balancing Service, and any other applicable rates or charges are subject to the Delaware Public Utilities Tax unless the Customer is exempt from such tax.

PAYMENT TERMS

Bills are due within twenty (20) days of their date.

MINIMUM BILL

The minimum monthly bill under this Rate Schedule is the Customer charge.

SPECIAL TERMS AND CONDITIONS OF SERVICE

(1) Service under this Rate Schedule is subject to the standard terms and conditions of service as in effect from time to time under authority of the Public Service Commission of Delaware. It is also subject to the limitations stated under the "Availability" clause above.

(2) Natural gas purchased hereunder is for the use of the Customer in one (1) location only and is not to be shared or sold to others except for retail sale as a fuel to natural gas vehicles and except for sale or transportation of CNG to third parties.

Issue Date: August 31, 2023

Effective Date: For Service Rendered on and after November 1, 2023

Authorization:

**RATE SCHEDULE "HLFS" HIGH LOAD FACTOR SERVICE
(Continued) TRANSPORTATION**

AND BALANCING SERVICE

Transportation service is available to commercial and industrial Customers on this Rate who meet the eligibility requirements set forth in the Transportation and Balancing General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rates, the Customer is subject to the following Firm Balancing Service rate applied to all gas consumption

Firm Balancing Service Rate: \$0.042 per Ccf of gas consumed

PUBLIC UTILITIES TAX

The Delivery Service, Gas Sales Service, Firm Balancing Service, and any other applicable rates or charges are subject to the Delaware Public Utilities Tax unless the Customer is exempt from such tax.

PAYMENT TERMS

Bills are due within twenty (20) days of their date.

MINIMUM BILL

The minimum monthly bill under this Rate Schedule is the Customer charge.

SPECIAL TERMS AND CONDITIONS OF SERVICE

(1) Service under this Rate Schedule is subject to the standard terms and conditions of service as in effect from time to time under authority of the Public Service Commission of Delaware. It is also subject to the limitations stated under the "Availability" clause above.

(2) Natural gas purchased hereunder is for the use of the Customer in one (1) location only and is not to be shared or sold to others except for retail sale as a fuel to natural gas vehicles and except for sale or transportation of CNG to third parties.

Issue Date: August 31, 2023

Effective Date: For Service Rendered on and after November 1, 2023

Authorization:

RATE SCHEDULE "ITS" INTERRUPTIBLE TRANSPORTATION

SERVICE

AVAILABILITY

This Rate Schedule is available to any non-residential Customer with annual consumption of at least one hundred thousand (100,000) Ccf with facilities in operating condition capable of utilizing an alternative fuel due to the fact gas service provided is subject to complete interruption at any time during the year at the Company's option. The definition of an alternative fuel under this rate schedule shall be propane, fuel oil, or electricity. When applying for service under this Rate Schedule, the Customer is required to provide the Company, in writing, with the type and specific grade of alternative fuel utilized by the Customer. The Customer shall submit, within thirty (30) days of any change in operations, written notification when such change affects its alternate fuel capability. The Customer must also purchase all of its gas from or through a qualified supplier of natural gas as set forth in Rate Schedule SUP.

DELIVERY SERVICE RATE

Customer charge: \$935.00 per month

The rate per Ccf of consumption shall be determined on an individual Customer basis according to the nature of the interruptible service to be provided. This rate can be adjusted upon one (1) days' notice to the Customer.

TRANSPORTATION AND BALANCING SERVICE

Customers must have the natural gas delivered to the Company's city gate in accordance with the Transportation and Balancing Rider General Terms and Conditions provided on Sheet No. 43. In addition to the above Delivery Service rate, the Customer is subject to the following Interruptible Balancing Service rate applied to all gas consumption.

Interruptible Balancing Service Rate: \$0.003 per Ccf of gas consumed

RATE SCHEDULE "GSR" GAS SALES SERVICE RATES

FIRM SALES RATE SCHEDULES

The Gas Sales Service Rates applicable to the respective firm Rate Schedules, as listed below, will be applied to all Customers served on that schedule based on a volumetric charge per Ccf (100 cubic feet). The Gas Sales Service Rates only apply to the respective firm Rate Schedules listed below and do not apply to the Interruptible Transportation Service, Transportation Service, Negotiated Contract Rate, and Interruptible Best Efforts Sales Service. The Gas Sales Service Rates will be calculated to the nearest tenth of a cent (.1¢).

The following lists the applicable Gas Sales Service Rates for the respective firm Rate Schedules as defined in this Tariff:

<u>RATE SCHEDULE</u>	<u>GAS SALES SERVICE RATES</u>
RS, ERS, USA-R, GS, EGS, USA-G, MVS, EMVS USA-M, LVS	\$0.884 per Ccf
HLFS	\$0.815 per Ccf
GLR and GLO	\$0.513 per Ccf

These rates are subject to change based on actual and estimated gas costs. The Company will file with the Commission a copy of these Gas Sales Service Rates at least sixty (60) days prior to the regularly scheduled adjustment date, which shall be each November 1.

The November 1 rates will be based on a projected twelve-month period of November through October (projected period). The rates computed under this rate schedule shall remain in effect for the projected period provided the latest estimated over collection does not exceed 4½% or the latest estimated under collection does not exceed 6% of the actual firm gas costs incurred to date along with the Company's latest firm gas cost estimates for the remainder of the over/under collection period (over/under period). The twelve-month period used for the calculation of the over/under period will be based on the actual nine months ended July 31 of each year and the projected three months ended October 31 of each year. If it appears that the use of these rates for the twelve-month over/under period will result in an over or under collection exceeding these limits, the Company shall apply to the Commission for revised rates to be effective until the next annual adjustment in the rates. If the Company's estimated over or under collection exceeds 3%, but is below the 6% under or 4.5% over collection estimate thresholds as noted above, then the Company has the option of applying to the Commission for revised rates to be effective until the next annual adjustment in rates.

Issue Date: August 30, 2023
Effective Date: For Service Rendered on and after November 1, 2023
Authorization:

BEFORE THE DELAWARE PUBLIC SERVICE COMMISSION

IN THE MATTER OF THE APPLICATION OF)
CHESAPEAKE UTILITIES CORPORATION)
FOR APPROVAL OF A CHANGE IN ITS) P.S.C. DOCKET NO. 23-
GAS SALES SERVICE RATES (“GSR”))
TO BE EFFECTIVE NOVEMBER 1, 2023)
(FILED AUGUST 31, 2023))

DIRECT TESTIMONY OF MARIE E. KOZEL

On Behalf of Chesapeake Utilities Corporation

Delaware Division

Submitted for filing: August 31, 2023

1 Q. PLEASE STATE YOUR NAME, OCCUPATION AND BUSINESS ADDRESS.

2 A. My name is Marie E. Kozel and I am a Regulatory Manager with Chesapeake
3 Utilities Corporation. My business address is 500 Energy Lane, Suite 100, Dover,
4 Delaware 19901.

5
6 Q. BRIEFLY DESCRIBE YOUR EDUCATION AND RELEVANT
7 PROFESSIONAL BACKGROUND.

8 A. I received a Bachelor of Science Degree in Finance with a minor in English from
9 La Salle University in Philadelphia, Pennsylvania and a Masters of Business
10 Administration from Wilmington University in Wilmington Delaware. I was hired
11 by Chesapeake Utilities Corporation in November 2007. As a Regulatory Manager,
12 my responsibilities include gas cost recovery, rate of return analysis, rate case
13 preparation, and regulatory oversight of new and existing programs for Chesapeake
14 Utilities – Natural Gas Distribution Delaware Division (“Chesapeake” or the
15 “Delaware Division” or the “Company”). Prior to my role as a Regulatory
16 Manager, I was a Financial Business Analyst responsible for the consolidation and
17 preparation of the annual budget, strategic plan and monthly forecast including
18 Senior Management and Board of Directors reporting. Prior to that I was a Gas
19 Supply Analyst II responsible for all matters associated with gas supply and its
20 procurement for Chesapeake Utilities Corporation – Delaware Division.
21 Immediately prior to joining Chesapeake, I was employed by ING Financial
22 Services in West Chester, PA as Senior Financial Analyst in Operational Risk
23 Management for the Retail Life Division, where I performed audits for the purpose

1 of compliance with the Sarbanes Oxley Act of 2002. My responsibilities also
2 included the implementation of operational risk management objectives, exposure
3 analysis and awareness education for divisional staff. I have also held positions
4 with JP Morgan Chase and Radian Guaranty Inc., where I was responsible for
5 revenue and expense analysis, budget preparation and staff management.

6
7 Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY IN THIS
8 PROCEEDING?

9 A. The purpose of my testimony is to discuss the mechanics of the three GSR charges,
10 explain the development of the firm and interruptible sales volumes and total
11 system requirements, and discuss the development of the unaccounted for gas
12 volumes. In addition, my testimony will support the overall calculation of the
13 Delaware Division's three proposed GSR charges to be effective with service
14 rendered on and after November 1, 2023, as well as the mechanics of the Delaware
15 Division's proposed balancing rates for transportation service under the General
16 Service ("GS"), Expansion Area General Service ("EGS"), Medium Volume
17 Service ("MVS"), Expansion Area Medium Volume Service ("EMVS"), Large
18 Volume Service ("LVS"), High Load Factor Service ("HLFS"), and Interruptible
19 Service ("ITS") rate schedules. I will be illustrating the impact of the proposed
20 GSR charges on an average residential customer's bill and ensuring compliance
21 with the gas cost provisions outlined in previous Commission Orders.

1 Q. ARE THERE ANY SCHEDULES INCLUDED WITH YOUR DIRECT
2 TESTIMONY?

3 A. Yes. My direct testimony includes Schedules A.1, A.2, B, C.1, C.2, D.1, D.2, E, F,
4 G, H, I, J, L, and M.

5
6 Q. IS THE COMPANY FILING ANY OTHER DIRECT TESTIMONY IN THIS
7 PROCEEDING?

8 A. Yes. Chesapeake is also filing the direct testimony of William R. Kriss, Energy
9 Logistics Manager. Mr. Kriss will be presenting testimony regarding the
10 Company's gas supply and procurement activities.

11
12 Q. WHAT PRESCRIBES THE METHODOLOGY FOR DETERMINING THE
13 COMPANY'S GAS SALES SERVICE RATES?

14 A. The three Gas Sales Service Rates proposed to be effective with service rendered
15 on and after November 1, 2023 have been developed in accordance with the
16 approved gas cost recovery mechanism as contained in the Delaware Division's
17 natural gas tariff, specifically Sheet Nos. 42 through 42.3.

18
19 Q. WHAT GAS SALES SERVICE RATE LEVELS ARE YOU PROPOSING IN
20 THIS PROCEEDING TO BE EFFECTIVE WITH SERVICE RENDERED ON
21 AND AFTER NOVEMBER 1, 2023?

22 A. The Company proposes the following Gas Sales Service Rates to be effective for
23 service rendered on and after November 1, 2023: \$0.884 per Ccf for customers

1 served under rate schedules RS-1, ERS-1, RS-2, ERS-2, USA-R, GS, EGS, USA-
2 G, MVS, EMVS, USA-M, and LVS; \$0.513 per Ccf for customers served under
3 rate schedules GLR and GLO; and \$0.815 per Ccf for customers served under rate
4 schedule HLFS. Chesapeake is also proposing the following balancing rates to be
5 effective for service rendered on and after November 1, 2023: \$0.222 per Ccf for
6 transportation customers served under rate schedules GS, EGS, and USA-G; \$0.256
7 per Ccf for transportation customers served under rate schedules MVS, EMVS, and
8 USA-M; \$0.205 per Ccf for transportation customers served under rate schedule
9 LVS; \$0.042 per Ccf for transportation customers served under rate schedule
10 HLFS; and \$0.003 per Ccf for transportation customers served under rate schedule
11 ITS.

12

13 Q WHAT EFFECT WILL THESE PROPOSED CHANGES IN THE GSR HAVE
14 UPON THE AVERAGE RESIDENTIAL HEATING CUSTOMER?

15 A. As compared to the rates that were in effect November 1, 2022, an average RS-2
16 customer using 700 Ccf per year will experience an annual decrease of
17 approximately 19.13% or \$19.95 per month. During the winter heating season, a
18 typical RS-2 customer using 120 Ccf per winter month will experience a decrease
19 of approximately 21.26% or \$41.04 per winter month.

20 Q. PLEASE DESCRIBE HOW YOU CALCULATED THE PROPOSED GAS
21 SALES SERVICE RATE LEVELS TO BE IMPLEMENTED IN THIS
22 PROCEEDING.

1 A. The rates were calculated based on the estimated purchased gas costs and estimated
2 sales volumes for the twelve months ending October 31, 2024 and are summarized
3 on Schedule A.1. As shown on Schedule A.1, total projected firm gas costs
4 recoverable through the gas cost recovery mechanism are \$55,138,980. This total
5 is comprised of \$33,323,328 of fixed costs and \$21,815,651 of variable costs. The
6 three gas cost rates shown at the top of Schedule A.1, which include a fixed rate
7 (used to calculate separate demand rates), a variable / commodity rate, and a total
8 rate or system average rate, are the key components for calculating separate Gas
9 Sales Service Rates for different services.

10

11 Q. CAN YOU BRIEFLY SUMMARIZE THE REASONS WHY THE THREE GSR
12 CHARGES ARE CHANGING FROM THE COMPANY'S PREVIOUS FILING?

13 A. The analysis of the change in gas costs and Gas Sales Service Rates from the
14 Company's last gas cost recovery filing is summarized on Schedule E. As shown
15 on this schedule, fixed costs are increasing by \$3,019,378 since the last GSR filing.
16 The variable costs contained in this filing are decreasing by \$15,015,161. The
17 increase in fixed costs is due to additional capacity entitlements as discussed in the
18 testimony of Mr. Kriss. The decrease in variable costs is mostly due to a reduction
19 in anticipated commodity costs of \$13,296,137.

20 As shown on Schedule E, fixed costs are anticipated to increase by \$3,019,378 since
21 the last GSR filing. The increase is offset by significantly lower variable gas costs
22 which is attributable to lower projected commodity costs. The Company does

1 anticipate increased volume, which adds to the reduction in the system average cost
2 per Ccf of \$0.884 in this filing versus \$1.226 in the November 1, 2022 filing.

3

4 Q. PLEASE DESCRIBE THE PROCESS THE COMPANY USED TO DETERMINE
5 ITS GSR LEVELS AND THE VARIOUS COMPONENTS OF THE
6 DELAWARE DIVISION'S GSR CALCULATIONS AS SHOWN ON
7 SCHEDULE A.1.

8 A. Schedule A.1 is a summary of the calculation of the three proposed GSR levels.
9 The calculations of the proposed GSR levels have been made in accordance with
10 the provisions set forth in the Delaware Division's GSR tariff clause. The process
11 to determine the GSR charges consists of three major steps:

- 12 1. Develop the sales and associated gas supply requirements forecast.
- 13 2. Forecast supplier rates and calculate annual purchased gas costs associated
14 with serving the Company's firm sales customers.
- 15 3. Derive the GSR charges utilizing the results of the first two steps and the
16 process below:

17 Step 3 is summarized on Schedule A.1. Initially, three gas cost rates must be
18 established to calculate the three separate GSR charges: a fixed rate, a commodity
19 rate and a system average rate. Based on total firm gas costs recoverable through
20 the gas cost recovery mechanism for the GSR levels to be effective November 1,
21 2023, the three gas cost rates are calculated as follows:

1 Fixed Rate - \$42.34 / Ccf (Total fixed costs of \$33,323,328
2 divided by the firm peak day capacity
3 requirements of 786,980 Ccf)
4 Commodity Rate - \$0.397 / Ccf (Total firm commodity costs of
5 \$21,815,651 divided by firm sales
6 volumes of 54,938,265 Ccf for the
7 period November 2023 through
8 October 2024)
9 System Average Rate -\$1.004 / Ccf (Divide total firm gas costs of
10 \$55,138,980 by the firm sales volume
11 of 54,938,265 Ccf)

12 From these three rates, different methodologies are applied in order to calculate the
13 Gas Sales Service Rates that more closely align the Gas Sales Service Rates with
14 actual gas costs identified for providing services associated with different rate
15 schedules or customer classes.

16

17 Q. PLEASE EXPLAIN THE THREE METHODOLOGIES UTILIZED TO
18 CALCULATE THREE SEPARATE GAS SALES SERVICE RATES USING
19 THE FIXED RATE, COMMODITY RATE AND SYSTEM AVERAGE RATE
20 AS PREVIOUSLY DESCRIBED.

21 A. Schedule A.1 also provides a summary of the development of the three separate
22 Gas Sales Service Rates by applying the tariff language described in the Delaware
23 Division's tariff on Sheet No. 42.2.

1 Rate Schedule HLFS

2 This GSR charge, applicable to any customer qualifying for High Load Factor
3 Service (HLFS), is calculated based on the combination of a weighted average
4 demand and commodity rate developed on an overall 51.09% load factor for the
5 customer class and the overall system weighted average cost rate. The 51.09% load
6 factor is included on Schedule J. This means that the fixed gas cost rate of \$42.34
7 per Ccf, as previously described, is divided by 186 days (51.09% of 365 days in a
8 year) to calculate a demand rate of \$0.228 per Ccf. This rate is then added to the
9 commodity rate, as previously described, of \$0.397 per Ccf to calculate a
10 volumetric rate of \$0.625 per Ccf. The arithmetic average of this volumetric rate
11 (\$0.625 per Ccf) and the system average rate (\$1.004 per Ccf) is \$0.815 per Ccf,
12 which equals the GSR charge for HLFS customers. Total costs associated with
13 HLFS (\$4,082,429) are projected by multiplying the GSR charge (\$0.815 per Ccf)
14 by the projected sales volumes for HLFS (5,009,115 Ccf).

15 Rate Schedules GLO and GLR

16 All customers served under these Gas Lighting rate schedules will be subject to the
17 same GSR charge. This rate is calculated using weighted average demand and
18 commodity rates through a single gas cost rate per Ccf, based on a 100% load factor.
19 The demand rate of \$0.116 per Ccf ($\$42.34 / 365$) plus the commodity rate of
20 \$0.397 per Ccf, produces a GSR charge of \$0.513 per Ccf. There are no costs
21 associated with Gas Lighting Services as there are no projected annual sales.

22 Rate Schedules RS-1, ERS-1, RS-2, ERS-2, USA-R, GS, EGS, USA-G, MVS,
23 EMVS, USA-M, and LVS

1 These rate schedules are assigned the remaining firm purchased gas costs after the
2 firm purchased gas costs have been calculated for the above mentioned rate
3 schedules ($\$55,138,980 - \$4,082,429 - \$0 = \$51,056,551$). Associated costs are
4 divided by the remaining volume ($54,938,265 - 5,009,115 - 0 = 49,929,150$) to
5 develop a rate of \$1.023 per Ccf, less the portion of any shared margins (\$0.139 per
6 Ccf) as shown on Schedule A.2. All customers served under rate schedules RS-1,
7 ERS-1, RS-2, ERS-2, USA-R, GS, EGS, USA-G, MVS, EMVS, USA-M, and LVS
8 will be charged \$0.884 per Ccf for service rendered on and after November 1, 2023.

9

10 Q. PLEASE DEFINE THE TERM “SHARED MARGINS”.

11 A. Shared Margins are defined as any margins that the Company receives as a result
12 of interruptible transportation service, off system sales or capacity releases. There
13 are different thresholds for sharing each type of margins received.

14

15 Q. PLEASE DESCRIBE THE EFFECTIVE MARGIN SHARING PERIOD AND
16 THE THRESHOLDS THAT HAVE BEEN APPROVED BY THE
17 COMMISSION.

18 A. Pursuant to the settlement agreement reached in PSC Docket 12-450F, the
19 Company will retain 7.5% of all capacity release credits received from the
20 Company’s Asset Manager and credit 92.5% to the firm customers. Also, as
21 outlined in the settlement agreement reached in PSC Docket No. 09-398F, the
22 Company is permitted to retain 100% of all interruptible transportation margins up
23 to \$675,000 per year and 10% of all interruptible transportation margins over

1 \$675,000 per year. As shown on Schedule A.2, the Company is not projected to
2 reach the sharing threshold for interruptible transportation margins in this twelve-
3 month determination period. Schedule A.2 does show the calculation of the \$1.389
4 per Mcf margin sharing rate, proposed to be effective November 1, 2023, as a result
5 of the sharing of the capacity valuation credit from the Asset Manager. The
6 Company is not projecting any off-system sales for this determination period.

7

8 Q. IN THIS FILING, WAS THE FULL BENEFIT OF PROJECTED CAPACITY
9 RELEASES TO TRANSPORTATION CUSTOMERS ON ESNG'S SYSTEM
10 CREDITED TO THE DELAWARE DIVISION FIRM CUSTOMERS?

11 A. Yes. The Company believes, as stated in prior GSR filings, that crediting 100% of
12 the revenue received from capacity released to the Delaware Division's
13 transportation customers to the firm sales customers is appropriate due to the
14 market on ESNG for this capacity. The Company has estimated this capacity
15 release value to be \$5,701,273 for the twelve-month period ending October 2024
16 as calculated on Schedule I and shown as a reduction to fixed demand costs on
17 Schedule B.

18 Q. AS INDICATED IN YOUR TESTIMONY, THE FIRST STEP IN
19 CALCULATING THE PROPOSED GSR CHARGES IS THE DEVELOPMENT
20 OF THE SALES AND ASSOCIATED GAS SUPPLY REQUIREMENTS
21 FORECAST. HOW ARE THE SALES AND SUPPLY REQUIREMENTS
22 FORECASTS DEVELOPED IN THIS PROCEEDING?

1 A. A forecast of purchased gas costs must start with a forecast of demand or sales
2 volumes for the Company's distribution system. Based on meeting the sales
3 forecast, the Company develops a forecast of the associated purchases or supply
4 requirements. For the purpose of this proceeding, the sales forecast began with an
5 analysis of the major variables that affect sales volumes. These variables include
6 such items as the number of customers to be served, the rate schedule classification
7 of those customers (i.e. large volume, high load factor, etc.), temperature, and the
8 larger individual commercial and industrial customer sales volumes or demands.
9 Sales volumes are normalized based on a ten-year average of degree days for the
10 months of July 2013 through June 2023.

11

12 Q. HAS A SCHEDULE BEEN INCLUDED SETTING FORTH THE ESTIMATED
13 VOLUMES OF GAS TO BE BILLED TO CUSTOMERS DURING THIS
14 PERIOD?

15 A. Yes. Schedule C.1 shows Chesapeake's projected sales volumes by customer class
16 for the determination period of the twelve months ending October 31, 2024.

17 Q. PLEASE DISCUSS FURTHER THE DEVELOPMENT OF THE SALES
18 FORECAST SHOWN ON SCHEDULE C.1

19 A. Forecasted sales were used for the entire twelve-month period of November 2023
20 through October 2024. Forecasted sales were developed based upon the actual sales
21 volumes billed to each customer class during each month for the prior year with

1 adjustments to reflect average temperature, customer growth and customers
2 switching among rate classes.

3

4 Q. HOW ARE THESE CUSTOMER ADJUSTMENTS REFLECTED IN THE TWO
5 RESIDENTIAL SERVICE CLASSES?

6 A. For the twelve-month period ending October 31, 2024, the Company has projected
7 an increase of approximately 2,019 RS-2 customers over the current GSR
8 determination period, with a large portion of the increase representing growth in
9 new customers and customer conversions in southeastern Sussex County,
10 Delaware. For the twelve-month period ending October 31, 2024, the Company
11 has projected an increase of approximately 1,723 RS-1 customers from the current
12 GSR determination period. This increase is primarily due to projected RS-1 organic
13 growth in new customers, particularly in the expansion area.

14

15 Q. HOW ARE THESE CUSTOMER ADJUSTMENTS REFLECTED IN THE FIRM
16 COMMERCIAL AND INDUSTRIAL CLASSES?

17 A. The Company has projected an increase of approximately 37 Commercial
18 customers over the current GSR determination period. The Company projection for
19 Industrial customers is an increase of 9 over the current GSR determination period.

20

21 Q. DOES THE COMPANY HAVE ANY PROJECTIONS FOR THE NUMBER OF
22 FIRM COMMERCIAL AND INDUSTRIAL CUSTOMERS THAT MAY

1 CHOOSE TO TRANSPORT ON ITS DISTRIBUTION SYSTEM AND THE
2 VOLUMES ASSOCIATED WITH THESE CUSTOMERS FOR THIS PERIOD?

3 A. Yes. The Company has not included in its projections any firm commercial or
4 industrial customers switching from sales service to transportation service during
5 the determination period. This filing includes projections for gas to be transported
6 on the Company's distribution system for those customers who are currently
7 receiving transportation service based on the Company's current eligibility
8 requirements, as well as new natural gas customers that the Company anticipates
9 will choose transportation service. There are 421 firm commercial / industrial
10 customers and three (3) interruptible commercial / industrial customers who will be
11 transporting their own gas on the Delaware Division's distribution system. The
12 Company has estimated the firm commercial / industrial transportation volumes to
13 be approximately 4,285,503 Mcf and the interruptible commercial / industrial
14 transportation volumes to be approximately 292,772 Mcf during this period. The
15 estimated firm commercial / industrial transportation volume is an increase over the
16 projection from the previous GSR filing.

17 Q. PLEASE EXPLAIN HOW THE PROJECTED SALES VOLUMES WERE USED
18 TO CALCULATE THE ASSOCIATED GAS SUPPLY REQUIREMENTS
19 NEEDED BY THE DELAWARE DIVISION DURING THE DETERMINATION
20 PERIOD.

21 A. Using the projected sales volumes from Schedule C.1 as a starting point,
22 adjustments due to cycle billing, unaccounted for gas, pressure compensation and

1 company use gas were derived in order to calculate the total gas supply
2 requirements for the period.

3

4 Q. PLEASE EXPLAIN THE CYCLE BILLING ADJUSTMENT AS SHOWN ON
5 SCHEDULE C.1.

6 A. All sales volume projections included in this GSR filing are associated with a
7 respective billing month while the Delaware Division's purchases are recorded on
8 a calendar month basis. Chesapeake includes a cycle billing adjustment in its
9 calculation of the GSR charges for the purpose of accounting for the difference
10 between a billing month and a calendar month. The cycle billing adjustment is
11 calculated by first dividing the projected, normalized firm sales volumes for each
12 month into a base load and a heating load. The heating load is then multiplied by
13 the difference between the normal calendar month degree days and the normal
14 billing month degree days to calculate the cycle billing adjustment.

15

16 Q. WHAT IS THE LEVEL OF COMPANY USE GAS PROJECTED DURING THE
17 DETERMINATION PERIOD?

18 A. Company Use Gas is projected to be 452 Mcf for this determination period. This
19 projection is approximately the same level of volume experienced by the Company
20 during the actual twelve months ended June 30, 2023.

21 Q. PLEASE EXPLAIN HOW YOU CALCULATED THE PROJECTED
22 UNACCOUNTED FOR GAS AS SET FORTH IN SCHEDULE C.1.

1 A. An unaccounted for gas volume of (1,197) Mcf has been projected for the twelve
2 months ending October 31, 2024. Unaccounted for gas is calculated by multiplying
3 the respective sales volumes for each month by 1.48% and subtracting the estimated
4 Company Use and Pressure Compensation for the month. The 1.48% utilized in
5 this GSR calculation includes volumes attributed to metering pressure differential
6 and is representative of five-year history of unaccounted for gas volumes. The use
7 of a five-year history of unaccounted for gas volumes was approved by the Public
8 Service Commission by Order No. 4189 in PSC Docket No. 95-206.

9

10 Q. PLEASE EXPLAIN HOW YOU CALCULATED THE PROJECTED PRESSURE
11 COMPENSATION VOLUMES AS SET FORTH IN SCHEDULE C.1.

12 A. The pressure compensation projection of 82,064 Mcf is calculated by multiplying
13 the total projected Mcf sales by the factor 0.0149355. This factor represents the
14 calculation used to pressurize gas received from ESNG to a standard pressure of
15 14.73 PSI for delivery on the Company's distribution system.

16 Q. PLEASE EXPLAIN HOW YOU CALCULATED THE PROJECTED COST OF
17 FIRM SALES FOR THE TWELVE-MONTH PERIOD ENDING OCTOBER 31,
18 2024.

19 A. The projected cost of firm sales is detailed on a monthly basis throughout the six
20 pages of Schedule C.2. In calculating the proposed cost of gas for the period
21 November 1, 2023 through October 31, 2024, the total projected supply
22 requirements were allocated between the different categories of gas (commodity

1 and storage) available to meet the projected demand. Pages 1, 2 and a portion of
2 page 3 of Schedule C.2 primarily calculate the fixed costs of firm transportation on
3 Columbia Gas Transmission, LLC, Columbia Gulf Transmission, Transcontinental
4 Gas Pipe Line Company, LLC, Eastern Shore Natural Gas Company (“ESNG”),
5 and Texas Eastern Transmission, LP.

6 A summary of storage demand and capacity charges is also included on page 3.
7 Pages 3, 4 and 5 calculate the gas commodity costs associated with firm
8 transportation service. As summarized on Page 4 of Schedule C.2, the projected
9 cost of storage gas commodity for withdrawals during this period has been
10 calculated using the actual purchases and costs for the months of April 2023
11 through July 2023 and projected purchases and costs for August 2023 through
12 October 2023. The twelve-month period ending March 2024 is used for the
13 calculation of the storage gas demand cost to properly reflect the amounts to be
14 expensed during the determination year. The rates used in the commodity gas
15 purchase projections for flowing commodity gas for November 2023 through
16 October 2024 are based on natural gas commodity futures market prices during the
17 second week of August 2023, as well as any gas that had been previously purchased
18 under the Company’s “Natural Gas Commodity Procurement Plan” for this
19 determination period.

20

21 Q. PLEASE EXPLAIN THE CHANGE IN THE PROJECTED FIRM COST OF GAS
22 FOR THE TWELVE MONTHS ENDING OCTOBER 31, 2024 AS SHOWN ON
23 SCHEDULE F COMPARED TO NINE MONTHS OF ACTUAL COSTS AND

1 THREE MONTHS OF PROJECTED COSTS FOR THE TWELVE-MONTH
2 PERIOD ENDING OCTOBER 31, 2023.

3 A. Schedule F compares the projected firm cost of gas for the twelve months ending
4 October 31, 2024 utilized in this proceeding to the nine months of actual gas costs
5 and three months of projected gas costs for the twelve-month period ending October
6 31, 2023. In addition, for informational purposes, the actual firm cost of gas for
7 the three prior determination periods ended October 2022, 2021, and 2020 are
8 shown. Chesapeake anticipates a decrease in firm gas costs per Mcf from \$12.934
9 per Mcf to \$10.059 per Mcf from the twelve months ending October 31, 2023.

10

11 Q. PLEASE EXPLAIN SCHEDULES D.1 AND D.2 IN THIS GSR FILING.

12 A. Schedule D.1 sets forth the calculation of the purchased gas over/under collection
13 by month for the twelve-month period ending October 31, 2023. The projected
14 under collection balance at October 31, 2022 that is carried forward into this annual
15 filing is \$3,379,571. Schedule D.2 reflects the shared margins over/under refund
16 for the twelve-month determination period ending October 31, 2023. Based on this
17 twelve-month determination period, the Company's under refunded shared margins
18 are \$1,274,612. This amount is also included in the shared margin calculation on
19 Schedule A.2.

20

21 Q. PURSUANT TO THE PROVISIONS OF THE TARIFF CONCERNING THE
22 UNACCOUNTED FOR GAS INCENTIVE MECHANISM APPROVED BY
23 ORDER NO. 3648, THE COMPANY AS PART OF ITS ANNUAL GSR FILING

1 IS REQUIRED TO PROVIDE THE COMMISSION STAFF WITH ACTUAL
2 UNACCOUNTED FOR GAS VOLUMES FOR THE PRECEDING TWELVE
3 MONTH PERIOD ENDED JULY 31. HAS THE COMPANY INCLUDED A
4 SCHEDULE SHOWING THE REQUIRED INFORMATION?

5 A. Yes. Schedule G represents the actual unaccounted for gas volumes for the twelve
6 months ended July 31, 2023.

7

8 Q. WHAT WERE THE UNACCOUNTED FOR GAS TARGET PERCENTAGE
9 AND DEAD BAND PERCENTAGES APPROVED FOR THE UNACCOUNTED
10 FOR GAS INCENTIVE MECHANISM IN PSC DOCKET NO. 92-87F?

11 A. The Unaccounted For Gas Target approved was 3.20% of total gas sendout or total
12 gas requirements. The Dead Band approved was +/- 0.5% points around the 3.20%
13 target level. Unaccounted For Gas Volumes that are within 2.70% to 3.70% of total
14 gas sendout are considered to be within this band and meeting the objectives of this
15 mechanism.

16 Q. WHAT WAS THE ACTUAL LEVEL OF UNACCOUNTED FOR GAS
17 VOLUMES FOR THE TWELVE MONTHS ENDED JULY 31, 2023
18 COMPARED TO THE INCENTIVE MECHANISM TARGETS?

19 A. The actual unaccounted for gas percentage, as established by the approved
20 guidelines in PSC Docket No. 92-87F, for the twelve months ended July 31, 2023,
21 was 0.83% of total gas requirements. This percentage is under the targeted
22 percentage of 3.20% and is also under the dead band range of 2.70% to 3.70%.

1

2 Q. WERE THERE ANY CHANGES IN THE CALCULATION OF THE
3 TRANSPORTATION BALANCING RATES?

4 A. Pursuant to Order No. 9816 in PSC Docket No. 20-0573, the Company has included
5 the costs equivalent to one year of the compressed natural gas (“CNG”) capacity
6 services provided to the Company under its contract with Marlin Gas Services,
7 LLC. The monthly allocation of costs under the contract to Chesapeake Utilities –
8 Delaware Division is \$12,500 per month or \$150,000 annually. These costs are
9 shared between the transportation customers and GSR customers based on their
10 percentage of total volume. The percentage of total volume for transportation
11 customers for the proposed GSR period is 45.4550%. The cost for one year
12 allocated to transportation customers would be \$68,183. The cost was then
13 allocated to each transportation rate class based on the rate class percentage of total
14 transportation volume – Mcf to determine the Marlin CNG Capacity Reservation
15 Recovery Rate of \$0.0149 per Mcf to be applied to the transportation service
16 balancing rates per page 2 of Schedule J.

17 Q. PLEASE STATE THE BALANCING RATES THAT ARE BEING PROPOSED
18 IN THIS FILING.

19 A. Chesapeake is proposing the following changes to its balancing rates, to be effective
20 for service rendered on and after November 1, 2023, in this application: (a) an
21 increase to the current firm balancing rate for transportation customers served under
22 rate schedules GS, EGS, and USA-G from \$0.175 per Ccf to \$0.222 per Ccf; (b) an
23 increase to the current firm balancing rate for transportation customers served under

1 rate schedules MVS, EMVS, and USA-M from \$0.208 per Ccf to \$0.256 per Ccf;
2 (c) an increase to the current firm balancing rate for transportation customers served
3 under rate schedule LVS from \$0.157 per Ccf to \$0.205 per Ccf; (d) a decrease to
4 the current firm balancing rate for transportation customers served under rate
5 schedule HLFS from \$0.051 per Ccf to \$0.042 per Ccf; and (e) a decrease to the
6 current interruptible balancing rate for transportation customers served under rate
7 schedule ITS from \$0.005 per Ccf to \$0.003 per Ccf.

8
9 Q. WHAT GAS SUPPLY RESOURCES IS THE COMPANY USING IN
10 DEVELOPING THE BALANCING SERVICE RATES BEING SUBMITTED IN
11 THIS FILING?

12 A. Schedule J, Page 1 of 7 shows the Delaware Division's gas supply resources being
13 used in developing the balancing service rates along with the purchased gas costs
14 associated with these gas supply resources. All of these resources provide firm
15 deliveries that vary in daily entitlements and duration.

16 Q. PLEASE BRIEFLY EXPLAIN HOW THE OVERALL COSTS OF THE GAS
17 SUPPLY RESOURCES WERE DEVELOPED ON SCHEDULE J.

18 A. The Delaware Division's gas costs associated with the gas supply resources for
19 balancing services are based on the same costs contained in the development of the
20 GSR charges. The gas supply resources and their costs are separated into fixed gas
21 supply resources and variable gas supply resources. The Delaware Division's
22 storage demand and capacity, firm Design Day transportation capacity, and propane

1 peak shaving facilities are related to the fixed gas supply resources, while storage
2 injection and withdrawal volumes are related to the variable gas supply resources.

3

4 Q. HOW WAS THE AVERAGE ANNUAL RATE OF APPROXIMATELY
5 \$386.9746 PER DT FOR THE FIXED GAS SUPPLY RESOURCES
6 DETERMINED ON SCHEDULE J, PAGE 1 OF 7?

7 A. The gas costs were determined for each of the fixed gas supply resources to be used
8 by the Company in performing this balancing service. The total annualized gas
9 supply costs of \$19,132,957 were divided by the daily entitlements of 49,442 Dts
10 to derive the annual amount of \$386.9746 per Dt for these fixed gas supply
11 resources in the balancing service.

12 Q. HOW WAS THE COST OF THE VARIABLE GAS SUPPLY RESOURCES
13 DETERMINED IN THIS PROCEEDING?

14 A. The overall variable rate of \$0.0116 per Dt was determined based on the current
15 storage injection and withdrawal capacities of the Delaware Division's storage
16 resources. This rate was cut in half to arrive at separate rates for injections and
17 withdrawals. This is important because a transportation customer on any given day
18 will either over deliver (the Company would inject the excess gas into storage) or
19 under deliver (the Company would withdraw from storage to meet the demand) the
20 customer-owned gas into the system on the customer's behalf. The resulting rate
21 used for the variable gas supply component of the balancing services is \$0.0116 per
22 Dt.

1

2 Q. WERE THESE OVERALL FIXED GAS SUPPLY RESOURCE COSTS AND
3 VARIABLE GAS SUPPLY RESOURCE COSTS UTILIZED IN THE
4 DEVELOPMENT OF THE BALANCING SERVICE RATES?

5 A. Yes. The variable gas supply rate was used as the basis for the variable component
6 in developing the balancing service rates. The fixed gas supply rate will differ
7 between the balancing services due to the specific nature of the service being
8 provided and the fact that the balancing rate is charged on consumption, not just
9 the imbalance volumes. The fixed gas supply portion of the balancing service rates
10 is based on specific load factors along with the percentage of the Company's gas
11 supply needed to balance the requirements of specific customer class requirements.
12 This percentage of the Company's gas supply will be the difference between their
13 average day requirements and design day requirements.

14

15 Q. HOW WAS THE FIRM BALANCING SERVICE RATE FOR GENERAL
16 SERVICE AND EXPANSION AREA GENERAL SERVICE DEVELOPED?

17 A. Schedule J, Page 3 of 7 shows the development of the firm balancing service rate
18 for this specific transportation customer class. The Delaware Division developed
19 an average cost from the fixed rate of \$386.9746 per Dt based on the General
20 Service load factor of 22.79%. This load factor resulted in an average cost of
21 \$4.6623 per Dt. Since the Company's analysis determined that the DCQ method
22 would provide approximately 54.38% of the peak day requirements, the Company
23 would need to supply the remaining 45.62% with its gas supply resources. In other

1 words, these firm customers would pay for 45.62% of peak day requirements
2 through the balancing service rate. The resulting rate for the fixed capacity based
3 on this 45.62% would be approximately \$2.1267 per Dt applicable to all
4 consumption. The variable commodity rate of \$0.0116 per Dt was multiplied by
5 the estimated imbalance volume percentage of 35.43% to derive the variable rate
6 of \$0.0041 per Dt. The fixed capacity rate was added to the variable commodity
7 rate to develop a balancing rate per Dt of \$2.1308, which was then converted to a
8 per Mcf rate of \$2.2054. The Marlin CNG Capacity Reservation Recovery Rate
9 per Mcf of \$0.0149 was added for a Total Balancing Service Rate of \$2.2203 per
10 Mcf or \$0.222 per Ccf for transportation customers served under Rate Schedules
11 GS and EGS, as shown on Schedule J, page 3 of 7.

12

13 Q. HOW WAS THE FIRM BALANCING SERVICE RATE FOR MEDIUM
14 VOLUME SERVICE AND EXPANSION AREA MEDIUM VOLUME SERVICE
15 DEVELOPED?

16 A. Schedule J, Page 4 of 7 shows the development of the firm balancing service rate
17 for this specific transportation customer class. The Delaware Division developed
18 an average cost from the fixed rate of \$386.9746 per Dt based on the Medium
19 Volume Service load factor of 20.61%. This load factor resulted in an average cost
20 of \$5.1597 per Dt. Since the Company's analysis determined that the DCQ method
21 would provide approximately 52.43% of the peak day requirements, the Company
22 would need to supply the remaining 47.57% with its gas supply resources. In other
23 words, these firm customers would pay for 47.57% of peak day requirements

1 through the balancing service rate. The resulting rate for the fixed capacity based
2 on this 47.57% would be approximately \$2.4547 per Dt applicable to all
3 consumption. The variable commodity rate of \$0.0116 per Dt was multiplied by
4 the estimated imbalance volume percentage of 41.43% to derive the variable rate
5 of \$0.0048 per Dt. The fixed capacity rate was added to the variable commodity
6 rate to develop a balancing rate per Dt of \$2.4595, which was then converted to a
7 per Mcf rate of \$2.5456. The Marlin CNG Capacity Reservation Recovery Rate
8 per Mcf of \$0.0149 was added for a Total Balancing Service Rate of \$2.5605 per
9 Mcf or \$0.256 per Ccf for transportation customers served under Rate Schedules
10 MVS and EMVS, as shown on Schedule J, page 4 of 7.

11

12 Q. HOW WAS THE FIRM BALANCING SERVICE RATE FOR LARGE VOLUME
13 SERVICE DEVELOPED?

14 A. Schedule J, Page 5 of 7 shows the development of the firm balancing service rate
15 for this specific transportation customer class. The Delaware Division developed
16 an average cost from the fixed rate of \$386.9746 per Dt based on the Large Volume
17 Service load factor of 24.36%. This load factor resulted in an average cost of
18 \$4.3480 per Dt. Since the Company's analysis determined that the DCQ method
19 would provide approximately 54.82% of the peak day requirements, the Company
20 would need to supply the remaining 45.18% with its gas supply resources. In other
21 words, these firm customers would pay for 45.18% of peak day requirements
22 through the balancing service rate. The resulting rate for the fixed capacity based
23 on this 45.18% would be approximately \$1.9643 per Dt applicable to all

1 consumption. The variable commodity rate of \$0.0116 per Dt was multiplied by
2 the estimated imbalance volume percentage of 33.52% to derive the variable rate
3 of \$0.0039 per Dt. The fixed capacity rate was added to the variable commodity
4 rate to develop a balancing rate per Dt of \$1.9682, which was then converted to a
5 per Mcf rate of \$2.0317. The Marlin CNG Capacity Reservation Recovery Rate
6 per Mcf of \$0.0149 was added for a Total Balancing Service Rate of \$2.0520 per
7 Mcf, or \$0.205 per Ccf for transportation customers served under Rate Schedule
8 LVS, as shown on Schedule J, page 5 of 7.

9
10 Q. HOW WAS THE FIRM BALANCING SERVICE RATE FOR HIGH LOAD
11 FACTOR SERVICE DEVELOPED?

12 A. Schedule J, Page 6 of 7 shows the development of the firm balancing service rate
13 for this specific transportation customer class. The Delaware Division developed
14 an average cost from the fixed rate of \$386.9746 per Dt based on the High Load
15 Factor Service load factor of 51.09%. This load factor resulted in an average cost
16 of \$2.0805 per Dt. Since the Company's analysis determined that the DCQ method
17 would provide approximately 81.33% of the peak day requirements, the Company
18 would need to supply the remaining 18.67% with its gas supply resources. In other
19 words, these firm customers would pay for 18.67% of peak day requirements
20 through the balancing service rate. The resulting rate for the fixed capacity based
21 on this 18.67% would be approximately \$0.3884 per Dt applicable to all
22 consumption. The variable commodity rate of \$0.0116 per Dt was multiplied by
23 the estimated imbalance volume percentage of 4.86% to derive the variable rate of

1 \$0.0006 per Dt. The fixed capacity rate was added to the variable commodity rate
2 to develop a balancing rate per Dt of \$0.3890, which was then converted to a per
3 Mcf rate of \$0.4026. The Marlin CNG Capacity Reservation Recovery Rate per
4 Mcf of \$0.0149 was added for a Total Balancing Service Rate of \$0.4175 per Mcf,
5 or \$0.042 per Ccf for transportation customers served under Rate Schedule HLFS,
6 as shown on Schedule J, page 6 of 7.

7

8 Q. WHAT ABOUT THE BALANCING RATE FOR INTERRUPTIBLE
9 CUSTOMERS?

10 A. Schedule J, Page 7 of 7 shows the development of the balancing service rate for
11 this specific transportation customer class. The Delaware Division developed an
12 average cost from the fixed rate of \$386.9746 per Dt based on the Interruptible
13 Transportation Service load factor of 100%. This load factor resulted in an average
14 cost of \$1.0602 per Dt. The rate for the fixed capacity based on average cost at
15 1.00% would be approximately \$0.0106 per Dt applicable to all consumption. The
16 variable commodity rate of \$0.0116 per Dt was multiplied by the estimated
17 imbalance volume percentage of 13.93% to derive the variable rate of \$0.0016 per
18 Dt. The fixed capacity rate was added to the variable commodity rate to develop a
19 balancing rate per Dt of \$0.0122, which was then converted to a per Mcf rate of
20 \$0.0126. The Marlin CNG Capacity Reservation Recovery Rate per Mcf of
21 \$0.0149 was added for a Total Balancing Service Rate of \$0.0275 per Mcf, or
22 \$0.003 per Ccf for transportation customers served under Rate Schedule ITS, as
23 shown on Schedule J, page 7 of 7.

1

2 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

3 A. Yes, it does.

Chesapeake Utilities Corporation
Delaware Division
Development of Gas Sales Service Rates Effective November 1, 2023

Based on Total Firm Gas Costs Recoverable through GSR effective November 1, 2023

Description	Allocator	Total System Costs	Volume (Ccf)	Cost / Ccf
Fixed Gas Costs	Peak Day Capacity Entitlements	\$33,323,328	786,980	\$42.34
Variable Gas Costs	Annual Volume	\$21,815,651	54,938,265	\$0.397
Total Firm Gas Costs	Annual Volume	\$55,138,980	54,938,265	\$1.004

Development of High Load Factor Service Rates per CCF (51.09% Load Factor)

Description	Peak Day Cap. Method	System Average Cost	HLFS Average Rate
Demand Rate (\$42.34 / 186)	\$0.228		
Commodity Rate	\$0.397		
Total Gas Sales Service Rate	\$0.625	\$1.004	\$0.815
Total High Load Factor Dollars			
	Projected Sales	Rate	Total Cost
	5,009,115	\$0.815	\$4,082,429

Development of Gas Lighting Rate per CCF (100% Load Factor)

Description	Peak Day Cap. Method		
Demand Rate (\$42.34 / 365)	\$0.116		
Commodity Rate	\$0.397		
Total Gas Sales Service Rate	\$0.513		
Total Gas Lighting Dollars			
	Projected Sales	Rate	Total Cost
	0	\$0.513	\$0

Development of RS1, ERS1, RS2, ERS2, GS, EGS, MVS, EMVS, and LVS Rate per CCF

Description	Firm Gas Cost	Volume (CCF)	Rate per CCF	Margin Sharing Rate per CCF	Final Rate per CCF
Total System Gas Cost	\$55,138,980	54,938,265			
Less : Allocated to HLFS	\$4,082,429	5,009,115			
Less : Allocated to GL	\$0	0			
Total Remaining System	\$51,056,551	49,929,150	\$1.023	(\$0.139)	\$0.884

**Chesapeake Utilities Corporation
Delaware Division
Development of Gas Sales Service Rates Effective November 1, 2023**

Determination of Margin Sharing Credit for November 1, 2023 - October 31, 2024

Projected Interruptible Margin, Off-System Sales Margin and Capacity Valuation Credits for the Period

Description	2023 November Projected	2023 December Projected	2024 January Projected	2024 February Projected	2024 March Projected	2024 April Projected	2024 May Projected	2024 June Projected	2024 July Projected	2024 August Projected	2024 September Projected	2024 October Projected	Total
Interruptible Transportation	\$62,634	\$54,555	\$56,138	\$45,179	\$42,201	\$53,221	\$50,773	\$45,747	\$53,292	\$47,894	\$48,749	\$67,488	\$627,872
Capacity Valuation	\$510,036	\$510,036	\$510,036	\$510,036	\$510,036	\$510,036	\$510,036	\$510,036	\$510,036	\$510,036	\$510,036	\$510,036	\$6,120,432
Total Margins	\$572,670	\$564,591	\$566,174	\$555,215	\$552,237	\$563,257	\$560,809	\$555,783	\$563,328	\$557,930	\$558,785	\$577,524	\$6,748,304

Amount of Margins Subject to Sharing to be Credited to RS-1,RS-2,GS,MVS,LVS Customers

Level of Margins Subject to Sharing	Eligible Margin Amounts	Customer Sharing (%)	Customer Sharing (\$)
Interruptible Transportation First \$675,000	\$627,872	0%	\$0
Interruptible Transportation over \$675,000	\$0	90%	\$0
Capacity Valuation	\$6,120,432	92.5%	\$5,661,400
Total	\$6,748,304		\$5,661,400

Determination of Margin Sharing Credit Per Ccf For RS-1,RS-2,GS,MVS,LVS Customers

Month	Total Projected Firm Sales For Period	Gas Lighting Sales For Period	High Load Sales For Period	Projected RS-1,RS-2,GS, MVS & LVS Sales For Period
Nov-23	391,646	0	(30,342)	361,304
Dec-23	706,603	0	(33,318)	673,285
Jan-24	1,052,565	0	(58,270)	994,295
Feb-24	1,075,297	0	(53,809)	1,021,488
Mar-24	816,422	0	(48,205)	768,218
Apr-24	516,423	0	(46,856)	469,567
May-24	264,671	0	(39,822)	224,849
Jun-24	148,143	0	(36,094)	112,050
Jul-24	112,967	0	(38,181)	74,785
Aug-24	108,001	0	(36,791)	71,210
Sep-24	121,676	0	(38,771)	82,905
Oct-24	179,413	0	(40,453)	138,960
Total	5,493,826	0	(500,912)	4,992,915

Customer Sharing (\$)	Prior Period Under Refund (Nov 22 - Oct 23)	Refund through Nov. 1, 2023 GSR	RS,GS,MVS, & LVS Sales In Mcf	Margin Sharing Rate Per Mcf	Margin Sharing Rate Per Ccf
(\$5,661,400)	(\$1,274,612)	(\$6,936,012)	4,992,915	(\$1.389)	(\$0.139)

Chesapeake Utilities Corporation
Delaware Division
Current Firm Gas Costs
Effective November 1, 2023

				November 1, 2022			Change		
	Total Gas Costs	Volume (Mcf)	Avg Cost/Mcf	Total Gas Costs	Volume (Mcf)	Avg Cost/Mcf	Total Gas Costs	Volume (Mcf)	Avg Cost/Mcf
<u>Demand Rate:</u>									
		78,698			78,698			0	
Columbia FT Reservation	\$422,881		\$5.373	\$409,097		\$5.20	\$13,785		\$0.18
Transco FT Reservation	\$4,176,942		\$53.076	\$4,163,716		\$52.91	\$13,226		\$0.17
Texas Eastern FT Reservation	\$7,220,280		\$91.747	\$7,217,751		\$91.71	\$2,529		\$0.03
Storage Demand & Capacity & Peaking	\$1,972,907		\$25.069	\$1,606,276		\$20.41	\$366,631		\$4.66
ESNG FT Reservation	\$21,444,497	\$28,735,600	\$272.491	\$18,976,984		\$241.14	\$2,467,513		\$31.35
ESNG 2017 Expansion FT Reservation	\$5,156,811		\$65.527	\$5,156,811		\$65.53	\$0		\$0.00
ESNG DelMar Energy Pathway FT Reservation	\$1,863,088		\$23.674	\$1,863,088		\$23.67	\$0		\$0.00
ESNG Middletown Project	\$271,205								
ESNG Capacity Release for Transp.	(\$5,701,273)		(\$72.445)	(\$5,763,520)		(\$73.24)	\$62,247		\$0.79
Balancing Rate Credit	(\$3,585,826)		(\$45.564)	(\$3,405,419)		(\$43.27)	(\$180,407)		(\$2.29)
CNG Capacity Reservation	\$81,817		\$1.040	\$79,167		\$1.01	\$2,650		\$0.03
Supplier Refund	\$0		\$0.000	\$0		\$0.00	\$0		\$0.00
Total Firm Fixed Gas Costs	\$33,323,328		\$423.43	\$30,303,950		\$385.07	\$3,019,378		\$38.37
Peak Day Capacity (Mcf)	78,698			78,698			0		
Annual Fixed Cost per Mcf	\$423.43			\$385.07			\$38.36		
Annual Fixed Cost per Ccf	\$42.34			\$38.51			\$3.84		
Monthly Fixed Cost per Mcf	\$35.29			\$32.09			\$3.20		
Monthly Fixed Cost per Ccf	\$3.529			\$3.209			\$0.320		
<u>Commodity Rate:</u>									
		5,493,826			5,093,197			400,630	
Flowing Commodity	\$15,761,704		\$2.869	\$29,057,841		\$5.71	(\$13,296,137)		(\$2.84)
Storage I/W & Commodity	\$2,448,180		\$0.446	\$2,865,570		\$0.56	(\$417,389)		(\$0.12)
ESNG FT Commodity	\$226,196		\$0.041	\$165,335		\$0.03	\$60,862		\$0.01
CNG for Vehicular Use	\$0		\$0.000	\$0		\$0.00	\$0		\$0.00
(Over)/Under Collection	\$3,379,571		\$0.615	\$4,742,067		\$0.93	(\$1,362,496)		(\$0.32)
		(\$1,362,496.00)			\$2,998,836				
Total Firm Variable Gas Costs	\$21,815,651		\$3.97	\$36,830,812		\$7.23	(\$15,015,161)		(\$3.26)
Total Firm Sales Volumes (Mcf)	5,493,826			5,093,197			400,630		
Total Firm Sales Volumes (Ccf)	54,938,265			50,931,967			4,006,298		
Commodity Rate per Mcf	\$3.97			\$7.23			(\$3.26)		
Commodity Rate per Ccf	\$0.397			\$0.723			(\$0.33)		
<u>System Average Rate:</u>									
Total Firm Fixed Gas Costs	\$33,323,328			\$30,303,950			\$3,019,378		
Total Firm Variable Gas Costs	\$21,815,651			\$36,830,812			(\$15,015,161)		
Total Firm Gas Costs	\$55,138,980	5,493,826	\$10.04	\$67,134,762	5,093,197	\$13.18	(\$11,995,782)		(\$3.14)

Chesapeake Utilities Corporation
Projected Sales and Requirements Summary
November 1, 2022 - October 31, 2023

	Projected Nov-23	Projected Dec-23	Projected Jan-24	Projected Feb-24	Projected Mar-24	Projected Apr-24	Projected May-24	Projected Jun-24	Projected Jul-24	Projected Aug-24	Projected Sep-24	Projected Oct-24	Total
<u>Mcf Sales</u>													
Firm													
Residential Service - 1	10,722	18,576	38,799	40,723	29,127	15,789	7,048	4,148	2,706	2,570	2,838	4,145	177,193
Residential Service - 2	289,751	532,431	750,957	785,670	594,845	371,571	178,845	86,089	59,159	56,368	63,876	109,908	3,879,470
General Service	20,154	46,200	75,681	81,326	56,580	33,665	13,857	5,317	3,132	2,731	4,372	7,302	350,317
Medium Volume Service	23,314	44,507	67,712	70,815	52,331	31,638	15,523	10,375	6,034	5,567	7,217	10,487	345,520
Large Volume Service	17,363	31,571	61,146	42,953	35,334	16,904	9,576	6,121	3,754	3,973	4,602	7,117	240,415
High Load Factor Service	30,342	33,318	58,270	53,809	48,205	46,856	39,822	36,094	38,181	36,791	38,771	40,453	500,912
Gas Lighting	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Firm Mcf Sales	391,646	706,603	1,052,565	1,075,297	816,422	516,423	264,671	148,143	112,967	108,001	121,676	179,413	5,493,826
Natural Gas Vehicles	0	0	0	155	181	123	143	143	0	0	0	0	745
Total Mcf Sales	391,646	706,603	1,052,565	1,075,452	816,603	516,546	264,814	148,286	112,967	108,001	121,676	179,413	5,494,571
<u>Mcf Requirements</u>													
Mcf Sales	391,646	706,603	1,052,565	1,075,452	816,603	516,546	264,814	148,286	112,967	108,001	121,676	179,413	5,494,571
Adjusted Mcf Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mcf Sales	391,646	706,603	1,052,565	1,075,452	816,603	516,546	264,814	148,286	112,967	108,001	121,676	179,413	5,494,571
Cycle Billing Adjustment	133,892	90,562	121,029	(117,032)	(67,103)	(135,247)	(75,929)	(30,393)	(1,476)	0	15,206	66,491	0
Subtotal	525,538	797,165	1,173,594	958,420	749,500	381,299	188,885	117,893	111,491	108,001	136,882	245,904	5,494,571
Company Use	28	73	97	83	88	36	17	13	2	1	2	13	452
Unaccounted For	1,901	1,171	1,552	(1,960)	(1,191)	(2,108)	(1,177)	(483)	(39)	(16)	207	947	(1,197)
Pressure Compensation	5,849	10,553	15,721	16,062	12,196	7,715	3,955	2,215	1,687	1,613	1,817	2,680	82,064
Total Mcf Requirements	533,316	808,963	1,190,963	972,605	760,593	386,942	191,680	119,638	113,141	109,599	138,908	249,543	5,575,889
<u>Dt Requirements</u>													
Total Dt Requirements	551,982	837,277	1,232,647	1,006,646	787,214	400,485	198,389	123,826	117,100	113,435	143,770	258,277	5,771,048
Eastern Shore Fuel (0.0000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Requirements Upstream of ESNG (Dt)	551,982	837,277	1,232,647	1,006,646	787,214	400,485	198,389	123,826	117,100	113,435	143,770	258,277	5,771,048
Interruptible Requirements	23,057	22,834	32,090	27,712	29,062	23,297	20,991	21,408	24,991	20,567	21,458	22,394	289,861
Firm	528,925	814,443	1,200,557	978,934	758,152	377,188	177,398	102,418	92,109	92,868	122,312	235,883	5,481,187

Chesapeake Utilities Corporation
Delaware Division

Schedule C.2

	Projected November-23 30	Projected December-23 31	Projected January-24 31	Projected February-24 29	Projected March-24 31	Projected April-24 30	Projected May-24 31	Projected June-24 30	Projected July-24 31	Projected August-24 31	Projected September-24 30	Projected October-24 31	Total 366
FIXED COSTS													
Columbia Gas Transmission FT													
FTS Firm Transportation Service													
Reservation Rates	\$10,1850	\$10,1850	\$10,1850	\$10,1850	\$10,1850	\$10,1850	\$10,1850	\$10,1850	\$10,1850	\$10,1850	\$10,1850	\$10,1850	\$10,1850
Billing Units (MDTQ)	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460
Reservation Costs	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$422,881.20
Columbia Reservation Costs	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$422,881.20
Transco FT													
FT Firm Transportation													
Reservation Rates:													
Transco Zone 1 (Sta 30)													
Fixed Cost Rate	\$0.55358	\$0.55358	\$0.55358	\$0.55358	\$0.55358	\$0.55358	\$0.55358	\$0.55358	\$0.55358	\$0.55358	\$0.55358	\$0.55358	\$0.55358
Electric Power Rate	\$0.00739	\$0.00739	\$0.00739	\$0.00739	\$0.00739	\$0.00739	\$0.00739	\$0.00739	\$0.00739	\$0.00739	\$0.00739	\$0.00739	\$0.00739
Transco Zone 2 (Sta 45)													
Fixed Cost Rate	\$0.54043	\$0.54043	\$0.54043	\$0.54043	\$0.54043	\$0.54043	\$0.54043	\$0.54043	\$0.54043	\$0.54043	\$0.54043	\$0.54043	\$0.54043
Electric Power Rate	\$0.00705	\$0.00705	\$0.00705	\$0.00705	\$0.00705	\$0.00705	\$0.00705	\$0.00705	\$0.00705	\$0.00705	\$0.00705	\$0.00705	\$0.00705
Transco Zone 3 (Sta 50 and 62)													
Fixed Cost Rate	\$0.50567	\$0.50567	\$0.50567	\$0.50567	\$0.50567	\$0.50567	\$0.50567	\$0.50567	\$0.50567	\$0.50567	\$0.50567	\$0.50567	\$0.50567
Electric Power Rate	\$0.00641	\$0.00641	\$0.00641	\$0.00641	\$0.00641	\$0.00641	\$0.00641	\$0.00641	\$0.00641	\$0.00641	\$0.00641	\$0.00641	\$0.00641
Billing Units (MDTQ):													
Transco Zone 1 (Sta 30)													
	1,889	1,889	1,889	1,889	1,889	1,889	1,889	1,889	1,889	1,889	1,889	1,889	1,889
Transco Zone 2 (Sta 45)													
	2,778	2,778	2,778	2,778	2,778	2,778	2,778	2,778	2,778	2,778	2,778	2,778	2,778
Transco Zone 3 (Sta 50 and 62)													
	6,445	6,445	6,445	6,445	6,445	6,445	6,445	6,445	6,445	6,445	6,445	6,445	6,445
Total FT Units	11,112	11,112	11,112	11,112	11,112	11,112	11,112	11,112	11,112	11,112	11,112	11,112	11,112
Reservation Costs:													
Transco Zone 1 (Sta 30)													
	\$31,790.10	\$32,849.77	\$32,849.77	\$30,730.43	\$32,849.77	\$31,790.10	\$32,849.77	\$31,790.10	\$32,849.77	\$32,849.77	\$31,790.10	\$32,849.77	\$387,839.22
Transco Zone 2 (Sta 45)													
	\$45,626.70	\$47,147.59	\$47,147.59	\$44,105.81	\$47,147.59	\$45,626.70	\$47,147.59	\$45,626.70	\$47,147.59	\$45,626.70	\$47,147.59	\$47,147.59	\$556,645.74
Transco Zone 3 (Sta 50 and 62)													
	\$99,010.50	\$102,310.85	\$102,310.85	\$95,710.15	\$102,310.85	\$99,010.50	\$102,310.85	\$99,010.50	\$102,310.85	\$102,310.85	\$99,010.50	\$102,310.85	\$1,207,928.10
	\$176,427.30	\$182,308.21	\$182,308.21	\$170,546.39	\$182,308.21	\$176,427.30	\$182,308.21	\$176,427.30	\$182,308.21	\$182,308.21	\$176,427.30	\$182,308.21	\$2,152,413.06
Transco Zone 5 (Cove Point)													
Reservation Rates	\$0.55315	\$0.55315	\$0.55315	\$0.55315	\$0.55315	\$0.55315	\$0.55315	\$0.55315	\$0.55315	\$0.55315	\$0.55315	\$0.55315	\$0.55315
Billing Units (MDTQ)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Reservation Costs	\$165,945.00	\$171,476.50	\$171,476.50	\$160,413.50	\$171,476.50	\$165,945.00	\$171,476.50	\$165,945.00	\$171,476.50	\$171,476.50	\$165,945.00	\$171,476.50	\$2,024,529.00
Transco Reservation Costs	\$342,372.30	\$353,784.71	\$353,784.71	\$330,959.89	\$353,784.71	\$342,372.30	\$353,784.71	\$342,372.30	\$353,784.71	\$353,784.71	\$342,372.30	\$353,784.71	\$4,176,942.06
Texas Eastern													
Reservation Rates	\$15,38310	\$15,3831	\$15,3831	\$15,3831	\$15,3831	\$15,3831	\$15,3831	\$15,3831	\$15,3831	\$15,3831	\$15,3831	\$15,3831	\$15,3831
Billing Units (MDTQ)	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100
Reservation Rates	\$524,563.71	\$524,563.71	\$524,563.71	\$524,563.71	\$524,563.71	\$524,563.71	\$524,563.71	\$524,563.71	\$524,563.71	\$524,563.71	\$524,563.71	\$524,563.71	\$6,294,764.52
Reservation Rates	\$0.5057	\$0.5057	\$0.5057	\$0.5057	\$0.5057	\$0.5057	\$0.5057	\$0.5057	\$0.5057	\$0.5057	\$0.5057	\$0.5057	\$0.5057
Billing Units (MDTQ)	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Reservation Rates	\$75,861.90	\$78,390.63	\$78,390.63	\$73,333.17	\$78,390.63	\$75,861.90	\$78,390.63	\$75,861.90	\$78,390.63	\$78,390.63	\$75,861.90	\$78,390.63	\$925,515.18
Texas Eastern Reservation Costs	\$600,425.61	\$602,954.34	\$602,954.34	\$597,896.88	\$602,954.34	\$600,425.61	\$602,954.34	\$600,425.61	\$602,954.34	\$602,954.34	\$600,425.61	\$602,954.34	\$7,220,279.70
Eastern Shore Natural Gas													
FT Firm Transportation - Receipt Zone 1													
Reservation Rates:													
Reservation - FT	\$1,5878	\$1,5878	\$1,5878	\$1,5878	\$1,5878	\$1,5878	\$1,5878	\$1,5878	\$1,5878	\$1,5878	\$1,5878	\$1,5878	\$1,5878
Billing Units (MDTQ):													
Reservation - FT	42,950	43,700	43,700	43,700	43,700	42,950	43,700	43,700	43,700	43,700	42,950	43,700	43,700
Reservation Costs:													
Reservation - FT	\$68,196.01	\$69,386.86	\$69,386.86	\$69,386.86	\$69,386.86	\$68,196.01	\$69,386.86	\$69,386.86	\$69,386.86	\$69,386.86	\$68,196.01	\$69,386.86	\$829,069.77
Reservation Costs - Receipt Zone 1	\$68,196.01	\$69,386.86	\$69,386.86	\$69,386.86	\$69,386.86	\$68,196.01	\$69,386.86	\$69,386.86	\$69,386.86	\$69,386.86	\$68,196.01	\$69,386.86	\$829,069.77
FT/ST Firm Transportation - Receipt Zone 2													
Reservation Rates:													
Reservation - FT	\$4,6294	\$4,6294	\$4,6294	\$4,6294	\$4,6294	\$4,6294	\$4,6294	\$4,6294	\$4,6294	\$4,6294	\$4,6294	\$4,6294	\$4,6294
Billing Units (MDTQ):													
Reservation - FT	73,526	75,498	75,498	75,498	75,498	73,526	67,685	67,685	67,685	67,685	67,685	67,685	67,685
Reservation - ST	5,081	5,081	5,081	5,081	5,081	5,081	1,846	1,846	1,846	1,846	1,846	1,846	1,846

**Chesapeake Utilities Corporation
Delaware Division**

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	Projected November-23	Projected December-23	Projected January-24	Projected February-24	Projected March-24	Projected April-24	Projected May-24	Projected June-24	Projected July-24	Projected August-24	Projected September-24	Projected October-24	Total
Reservation Costs:													
Reservation - FT	\$340,381.26	\$349,510.44	\$349,510.44	\$349,510.44	\$349,510.44	\$340,381.26	\$313,340.94	\$313,340.94	\$313,340.94	\$313,340.94	\$313,340.94	\$313,340.94	\$3,958,849.92
Reservation - ST	\$23,521.98	\$23,521.98	\$23,521.98	\$23,521.98	\$23,521.98	\$23,521.98	\$8,545.87	\$8,545.87	\$8,545.87	\$8,545.87	\$8,545.87	\$8,545.87	\$192,407.10
Reservation Costs - Receipt Zone 2	\$363,903.24	\$373,032.42	\$373,032.42	\$373,032.42	\$373,032.42	\$363,903.24	\$321,886.81	\$321,886.81	\$321,886.81	\$321,886.81	\$321,886.81	\$321,886.81	\$4,151,257.02
FT Firm Transportation -Delivery Zone 1													
Reservation Rates:													
Reservation - FT	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	
Billing Units (MDTQ):													
Reservation - FT	16,339	16,437	16,437	16,437	16,339	16,339	15,879	15,879	15,879	15,879	15,879	15,879	
Reservation - ST	400	400	400	400	400	400	145	145	145	145	145	145	
Reservation Costs:													
Reservation - FT	\$108,490.96	\$109,141.68	\$109,141.68	\$109,141.68	\$108,490.96	\$108,490.96	\$105,436.56	\$105,436.56	\$105,436.56	\$105,436.56	\$105,436.56	\$105,436.56	\$1,285,517.28
Reservation - ST	\$2,656.00	\$2,656.00	\$2,656.00	\$2,656.00	\$2,656.00	\$2,656.00	\$962.80	\$962.80	\$962.80	\$962.80	\$962.80	\$962.80	\$21,712.80
Reservation Costs - Delivery Zone 1	\$111,146.96	\$111,797.68	\$111,797.68	\$111,797.68	\$111,146.96	\$111,146.96	\$106,399.36	\$106,399.36	\$106,399.36	\$106,399.36	\$106,399.36	\$106,399.36	\$1,307,230.08
FT Firm Transportation - Delivery Zone 2													
Reservation Rates:													
Reservation - FT	\$20,543.50	\$20,543.50	\$20,543.50	\$20,543.50	\$20,543.50	\$20,543.50	\$20,543.50	\$20,543.50	\$20,543.50	\$20,543.50	\$20,543.50	\$20,543.50	
Billing Units (MDTQ):													
Reservation - FT	57,187	59,061	59,061	59,061	57,937	57,187	51,806	51,806	51,806	51,806	51,806	51,806	
Reservation - ST	4,681	4,681	4,681	4,681	4,681	4,681	1,701	1,701	1,701	1,701	1,701	1,701	
Reservation Costs:													
Reservation - FT	\$1,174,821.13	\$1,213,319.65	\$1,213,319.65	\$1,213,319.65	\$1,190,228.76	\$1,174,821.13	\$1,064,276.56	\$1,064,276.56	\$1,064,276.56	\$1,064,276.56	\$1,064,276.56	\$1,064,276.56	\$13,565,489.33
Reservation - ST	\$96,164.12	\$96,164.12	\$96,164.12	\$96,164.12	\$96,164.12	\$96,164.12	\$34,944.49	\$34,944.49	\$34,944.49	\$34,944.49	\$34,944.49	\$34,944.49	\$786,651.66
Reservation Costs - Delivery Zone 2	\$1,270,985.25	\$1,309,483.77	\$1,309,483.77	\$1,309,483.77	\$1,286,392.88	\$1,270,985.25	\$1,099,221.05	\$1,099,221.05	\$1,099,221.05	\$1,099,221.05	\$1,099,221.05	\$1,099,221.05	\$14,352,140.99
2017 2017 Expansion													
Reservation Rates:													
Reservation - FT	\$26,044.50	\$26,044.50	\$26,044.50	\$26,044.50	\$26,044.50	\$26,044.50	\$26,044.50	\$26,044.50	\$26,044.50	\$26,044.50	\$26,044.50	\$26,044.50	
Billing Units (MDTQ):													
Reservation - FT	16,500	16,500	16,500	16,500	16,500	16,500	16,500	16,500	16,500	16,500	16,500	16,500	
Reservation Costs:													
Reservation - FT	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$5,156,811.00
Reservation Costs - 2017 Expansion	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$429,734.25	\$5,156,811.00
DM.D1 DelMar Energy Pathway													
Reservation Rates:													
Reservation - FT	\$12,857.20	\$12,857.20	\$12,857.20	\$12,857.20	\$12,857.20	\$12,857.20	\$12,857.20	\$12,857.20	\$12,857.20	\$12,857.20	\$12,857.20	\$12,857.20	
Billing Units (MDTQ):													
Reservation - FT	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	
Reservation Costs:													
Reservation - FT	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$578,574.00
Reservation Costs - DelMar Energy Pathway	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$48,214.50	\$578,574.00
DM.D2 DelMar Energy Pathway													
Reservation Rates:													
Reservation - FT	\$26,760.70	\$26,760.70	\$26,760.70	\$26,760.70	\$26,760.70	\$26,760.70	\$26,760.70	\$26,760.70	\$26,760.70	\$26,760.70	\$26,760.70	\$26,760.70	
Billing Units (MDTQ):													
Reservation - FT	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	
Reservation Costs:													
Reservation - FT	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$1,284,513.60
Reservation Costs - DelMar Energy Pathway	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$107,042.80	\$1,284,513.60
D2 DP4 - Middletown Project													
Reservation Rates:													
Reservation - FT	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$17,406.50	\$16,845.00	\$17,406.50	
Billing Units (MDTQ):													
Reservation - FT	0	0	0	0	0	0	0	0	0	5,250	5,250	5,250	
Reservation Costs:													
Reservation - FT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$91,384.13	\$88,436.25	\$91,384.13	\$271,204.51
Reservation Costs - Capital Surcharge	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$91,384.13	\$88,436.25	\$91,384.13	\$271,204.51

**Chesapeake Utilities Corporation
Delaware Division**

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	Projected November-23	Projected December-23	Projected January-24	Projected February-24	Projected March-24	Projected April-24	Projected May-24	Projected June-24	Projected July-24	Projected August-24	Projected September-24	Projected October-24	Total	
Capital Surcharge														
Reservation Rates:														
Reservation - FT	\$0.6783	\$0.6783	\$0.6783	\$0.6783	\$0.6783	\$0.6783	\$0.6783	\$0.6783	\$0.6783	\$0.6783	\$0.6783	\$0.6783		
Billing Units (MDTQ):														
Reservation - FT	97,776	99,748	99,748	99,748	98,526	97,776	91,935	91,935	91,935	91,935	91,935	91,935		
Reservation - ST	5,081	5,081	5,081	5,081	5,081	5,081	1,846	1,846	1,846	1,846	1,846	1,846		
Reservation Costs:														
Reservation - FT	\$69,767.90	\$71,105.51	\$71,105.51	\$71,105.51	\$70,276.63	\$69,767.90	\$63,611.65	\$63,611.65	\$63,611.65	\$63,611.65	\$63,611.65	\$63,611.65	\$804,798.86	
Reservation Costs - Capital Surcharge	\$69,767.90	\$71,105.51	\$71,105.51	\$71,105.51	\$70,276.63	\$69,767.90	\$63,611.65	\$63,611.65	\$63,611.65	\$63,611.65	\$63,611.65	\$63,611.65	\$804,798.86	
Eastern Shore Reservation Costs	\$2,468,990.91	\$2,519,797.79	\$2,519,797.79	\$2,519,797.79	\$2,495,227.30	\$2,468,990.91	\$2,245,497.28	\$2,245,497.28	\$2,245,497.28	\$2,245,497.28	\$2,336,881.41	\$2,332,742.68	\$2,336,881.41	\$28,735,599.82
Marlin CNG Capacity Reservation	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$81,817.48	
Peaking Supply Reservation	\$5,000.00	\$76,050.00	\$76,050.00	\$76,050.00	\$76,050.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$309,200.00	
Capacity Release Credits	\$ (475,217.30)	\$ (491,517.51)	\$ (488,632.62)	\$ (442,124.96)	\$ (487,475.57)	\$ (471,414.87)	\$ (477,076.26)	\$ (465,621.98)	\$ (477,419.59)	\$ (479,239.86)	\$ (471,881.14)	\$ (473,651.52)	(\$5,701,273.18)	
Storage Demand & Capacity														
Reservation Costs:														
Columbia:														
FSS Firm Storage Service	\$262,883.76	\$262,883.76	\$262,883.76	\$262,883.76	\$262,883.76								\$1,314,418.79	
Transco:														
GSS General Storage Service	\$31,129.96	\$31,129.96	\$31,129.96	\$31,129.97	\$31,129.96								\$155,649.81	
LSS Leidy Storage Service	\$9,622.34	\$9,622.35	\$9,622.34	\$9,622.35	\$9,622.34								\$48,111.72	
WSS Washington Storage Service	\$6,862.98	\$6,862.99	\$6,862.98	\$6,862.99	\$6,862.98								\$34,314.92	
ESS Eminence Storage Service	\$14,928.67	\$14,928.67	\$14,928.67	\$14,928.67	\$14,928.67								\$74,643.35	
PS Peaking Service	\$7,313.76	\$7,313.77	\$7,313.76	\$7,313.77	\$7,313.76								\$36,568.82	
Total Transco	\$69,857.71	\$69,857.74	\$69,857.71	\$69,857.75	\$69,857.71								\$349,288.62	
Total Storage Demand & Capacity Costs	\$332,741.47	\$332,741.50	\$332,741.47	\$332,741.51	\$332,741.46								\$1,663,707.41	
TOTAL FIXED COSTS	\$3,316,371.22	\$3,435,869.05	\$3,438,753.92	\$3,457,379.33	\$3,415,340.46	\$2,982,432.18	\$2,767,218.30	\$2,764,731.43	\$2,766,874.96	\$2,856,438.82	\$2,845,717.67	\$2,862,027.15	\$36,909,154.49	
COMMODITY COSTS														
Columbia Gas Transmission FT														
Swing Purchases - TCO (FTS)														
Commodity Rate	\$2.5379	\$3.2450	\$3.5520	\$3.5355	\$3.2230	\$2.7749	\$2.6329	\$2.6580	\$2.6381	\$2.6532	\$2.1861	\$2.1956		
Commodity in DT	33,754	46,005	63,598	51,768	43,874	25,818	12,789	7,983	7,549	7,313	9,268	16,650	326,368	
Commodity Cost	\$85,663.05	\$149,287.14	\$225,898.70	\$183,026.68	\$141,407.46	\$71,641.04	\$33,672.88	\$21,217.55	\$19,914.82	\$19,401.95	\$20,261.27	\$36,556.72	\$1,007,949.26	
Total FTS Commodity Volume	33,754	46,005	63,598	51,768	43,874	25,818	12,789	7,983	7,549	7,313	9,268	16,650	326,368	
Total FTS Commodity Costs	\$85,663.05	\$149,287.14	\$225,898.70	\$183,026.68	\$141,407.46	\$71,641.04	\$33,672.88	\$21,217.55	\$19,914.82	\$19,401.95	\$20,261.27	\$36,556.72	\$1,007,949.26	
Columbia Gas Transmission Commodity Volumes	33,754	46,005	63,598	51,768	43,874	25,818	12,789	7,983	7,549	7,313	9,268	16,650	326,368	
Commodity Costs	\$85,663.05	\$149,287.14	\$225,898.70	\$183,026.68	\$141,407.46	\$71,641.04	\$33,672.88	\$21,217.55	\$19,914.82	\$19,401.95	\$20,261.27	\$36,556.72	\$1,007,949.26	
Transco FT														
FT Zone 1 to Zone 6 - (Sta 30)														
Commodity Rate	\$3.4295	\$3.8452	\$4.0600	\$3.9771	\$3.5649	\$3.2577	\$3.2613	\$3.3050	\$3.3678	\$3.4091	\$3.3108	\$3.3231		
Commodity in DT	18,428	25,117	34,721	28,263	23,953	14,095	6,982	4,358	4,121	3,992	5,060	9,090	178,182	
Commodity Cost	\$63,198.35	\$96,578.95	\$140,968.69	\$112,405.08	\$85,391.61	\$45,917.85	\$22,771.55	\$14,403.48	\$13,879.93	\$13,610.40	\$16,752.72	\$30,207.40	\$656,086.01	
FT Zone 2 to Zone 6 - (Sta 45)														
Commodity Rate	\$3.6549	\$4.0798	\$4.2913	\$4.2087	\$3.6424	\$3.3206	\$3.2906	\$3.4117	\$3.7279	\$3.7536	\$3.5702	\$3.5850		
Commodity in DT	27,100	36,937	51,062	41,564	35,226	20,729	10,268	6,409	6,061	5,871	7,441	13,368	262,038	
Commodity Cost	\$99,049.13	\$150,696.34	\$219,121.90	\$174,931.36	\$128,308.60	\$68,831.51	\$33,789.14	\$21,865.89	\$22,594.65	\$22,038.37	\$26,567.17	\$47,924.69	\$1,015,718.75	
FT Zone 3 to Zone 6 - (Sta 65)														
Commodity Rate	\$3.8701	\$4.2161	\$4.3598	\$4.2234	\$3.8783	\$3.5371	\$3.5304	\$3.6176	\$3.7264	\$3.7519	\$3.6878	\$3.7206		
Commodity in DT	62,873	85,695	118,464	96,430	81,726	48,091	23,823	14,869	14,062	13,621	17,264	31,014	607,932	
Commodity Cost	\$243,325.74	\$361,297.88	\$516,480.78	\$407,260.78	\$316,956.91	\$170,101.73	\$84,104.00	\$53,790.74	\$52,398.82	\$51,106.19	\$63,666.47	\$115,391.51	\$2,435,881.55	
Total FT Commodity Volume	108,401	147,749	204,248	166,257	140,906	82,915	41,074	25,636	24,244	23,485	29,765	53,472	1,048,152	
Total FT Commodity Costs	\$405,573.22	\$608,573.17	\$876,571.37	\$694,597.22	\$530,657.12	\$284,851.09	\$140,664.69	\$90,060.11	\$88,873.40	\$86,754.96	\$106,986.36	\$193,523.60	\$4,107,686.31	
FT Zone 5 to Zone 6 - (Cove Point)														
Commodity Rate	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
Commodity in DT	0	0	0	0	0	0	0	0	0	0	0	0	0	
Commodity Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Swing Purchases - Transco Zone 6														
Commodity Rate	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
Commodity in DT	0	0	0	0	0	0	0	0	0	0	0	0	0	
Commodity Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

**Chesapeake Utilities Corporation
Delaware Division**

Schedule C.2

	Projected November-23	Projected December-23	Projected January-24	Projected February-24	Projected March-24	Projected April-24	Projected May-24	Projected June-24	Projected July-24	Projected August-24	Projected September-24	Projected October-24	Total
Transco Storage Injections													
Weighted Average Rate	\$3.7414	\$4.1190	\$4.2917	\$4.1779	\$3.7660	\$3.4355	\$3.4247	\$3.5130	\$3.6658	\$3.6941	\$3.5943	\$3.6191	
Commodity in DT	0	0	0	0	0	0	0	0	0	0	0	0	0
Commodity Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
First Generation Gas	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,666.67	\$6,666.67	\$6,666.66	\$20,000.00
Transco													
Commodity Volume	108,401	147,749	204,248	166,257	140,906	82,915	41,074	25,636	24,244	23,485	29,765	53,472	1,048,152
Commodity Costs	\$405,573.22	\$608,573.17	\$876,571.37	\$694,597.22	\$530,657.12	\$284,851.09	\$140,664.69	\$90,060.11	\$88,873.40	\$93,421.63	\$113,653.03	\$200,190.26	\$4,127,686.31
TETCO FT													
Commodity Rate	\$2.1526	\$3.0268	\$3.4772	\$3.4206	\$3.0935	\$2.4906	\$2.3222	\$2.3015	\$2.3906	\$2.3347	\$1.8191	\$1.8083	
Commodity in DT	381,434	519,886	718,690	585,011	495,807	291,753	144,526	90,207	85,307	82,637	104,736	188,155	3,688,150
Commodity Cost	\$821,075.39	\$1,573,591.75	\$2,499,027.89	\$2,001,089.45	\$1,533,778.97	\$726,639.86	\$335,618.73	\$207,611.69	\$203,935.48	\$192,933.28	\$190,525.81	\$340,239.86	\$10,626,068.16
TETCO FT													
Commodity Volume	381,434	519,886	718,690	585,011	495,807	291,753	144,526	90,207	85,307	82,637	104,736	188,155	\$3,688,150.12
Commodity Costs	\$821,075.39	\$1,573,591.75	\$2,499,027.89	\$2,001,089.45	\$1,533,778.97	\$726,639.86	\$335,618.73	\$207,611.69	\$203,935.48	\$192,933.28	\$190,525.81	\$340,239.86	\$10,626,068.16
Storages													
Columbia Gas Transmission Storage													
FSS Firm Storage Service													
Charges:	Avg Commodity Inc Inj	\$3.3967	\$3.3967	\$3.3967	\$3.3967	\$3.3967							
	Withdrawal Inc. Trans	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153							
Billing Units:	Withdrawal	21,251	63,754	170,010	127,508	42,503	0	0	0	0	0	0	425,025
Cost:	Reservation	\$262,883.76	\$262,883.76	\$262,883.76	\$262,883.76	\$262,883.75							\$1,314,418.79
	Avg Commodity Inc Inj	\$72,184.12	\$216,552.36	\$577,472.97	\$433,104.73	\$144,368.24							\$1,443,682.42
	Withdrawal	\$325.14	\$975.43	\$2,601.15	\$1,950.86	\$650.29							\$6,502.87
		\$335,393.02	\$480,411.55	\$842,957.88	\$697,939.35	\$407,902.28							\$2,764,604.08
Transco Storages													
GSS General Storage Service													
Charges:	Avg Commodity Inc Inj	\$3.7346	\$3.7346	\$3.7346	\$3.7346	\$3.7346							
	Withdrawal	\$0.05935	\$0.05935	\$0.05935	\$0.05935	\$0.05935							
Billing Units:	Withdrawal	0	17,735	23,647	23,647	17,735	0	0	0	0	0	0	82,763
Cost:	Reservation	\$31,129.96	\$31,129.96	\$31,129.96	\$31,129.97	\$31,129.96							\$155,649.81
	Avg Commodity Inc Inj	\$0.00	\$66,232.94	\$88,310.59	\$88,310.59	\$66,232.94							\$309,087.06
	Withdrawal	\$0.00	\$1,052.57	\$1,403.43	\$1,403.43	\$1,052.57							\$4,912.00
		\$31,129.96	\$98,415.47	\$120,843.98	\$120,843.99	\$98,415.47							\$469,648.87
LSS Leidy Storage Service													
Charges:	Avg Commodity Inc Inj	\$3.3192	\$3.3192	\$3.3192	\$3.3192	\$3.3192							
	Withdrawal	\$0.04412	\$0.04412	\$0.04412	\$0.04412	\$0.04412							
Billing Units:	Withdrawal	0	7,250	7,250	7,250	4,350	0	0	0	0	0	0	26,100
Cost:	Reservation	\$9,622.34	\$9,622.35	\$9,622.34	\$9,622.35	\$9,622.34							\$48,111.72
	Avg Commodity Inc Inj	\$0.00	\$24,064.20	\$24,064.20	\$24,064.20	\$14,438.52							\$86,631.12
	Withdrawal	\$0.00	\$319.87	\$319.87	\$319.87	\$191.92							\$1,151.53
		\$9,622.34	\$34,006.42	\$34,006.41	\$34,006.42	\$24,252.78							\$135,894.37
WSS Washington Storage Service													
Charges:	Avg Commodity Inc Inj	\$3.3335	\$3.3335	\$3.3335	\$3.3335	\$3.3335							
	Withdrawal	\$0.00440	\$0.00440	\$0.00440	\$0.00440	\$0.00440							
Billing Units:	Withdrawal	7,142	28,566	35,708	35,708	35,708	0	0	0	0	0	0	142,830
Cost:	Reservation	\$6,862.98	\$6,862.99	\$6,862.98	\$6,862.99	\$6,862.98							\$34,314.92
	Avg Commodity Inc Inj	\$23,806.19	\$95,224.76	\$119,030.95	\$119,030.95	\$119,030.95							\$476,123.80
	Withdrawal	\$31.42	\$125.69	\$157.11	\$157.11	\$157.11							\$628.44
		\$30,700.59	\$102,213.44	\$126,051.04	\$126,051.05	\$126,051.04							\$511,067.16
ESS Eminence Storage Service													
Charges:	Avg Commodity Inc Inj	\$3.7232	\$3.7232	\$3.7232	\$3.7232	\$3.7232							
	Withdrawal	\$0.05005	\$0.05005	\$0.05005	\$0.05005	\$0.05005							
Billing Units:	Withdrawal	0	6,332	9,498	9,498	6,332	0	0	0	0	0	0	31,660
Cost:	Reservation	\$14,928.67	\$14,928.67	\$14,928.67	\$14,928.67	\$14,928.67							\$74,643.35
	Avg Commodity Inc Inj	\$0.00	\$23,575.30	\$35,362.95	\$35,362.95	\$23,575.30							\$117,876.50
	Withdrawal	\$0.00	\$316.92	\$475.37	\$475.37	\$316.92							\$1,584.58
		\$14,928.67	\$38,820.89	\$50,766.99	\$50,766.99	\$38,820.89							\$194,104.43
PS Peaking Service													
Charges:	Reservation	\$7,313.76	\$7,313.77	\$7,313.76	\$7,313.77	\$7,313.76							\$36,568.82

**Chesapeake Utilities Corporation
Delaware Division**

Schedule C.2

	Projected November-23	Projected December-23	Projected January-24	Projected February-24	Projected March-24	Projected April-24	Projected May-24	Projected June-24	Projected July-24	Projected August-24	Projected September-24	Projected October-24	Total
Columbia Storage Volume	21,251	63,754	170,010	127,508	42,503	0	0	0	0	0	0	0	425,025
Columbia Storage Commodity Costs	\$72,509.26	\$217,527.79	\$580,074.12	\$435,055.59	\$145,018.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,450,185.29
Transco Storage Volume	7,142	59,883	76,102	76,102	64,124	0	0	0	0	0	0	0	283,353
Transco Storage Commodity Costs	\$23,837.61	\$210,912.25	\$269,124.47	\$269,124.47	\$224,996.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$997,995.03
Total Storage Volume	28,393	123,637	246,112	203,610	106,627	0	0	0	0	0	0	0	708,378
Total Storage Commodity Costs	\$96,346.87	\$428,440.04	\$849,198.59	\$704,180.06	\$370,014.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,448,180.32

Eastern Shore Natural Gas

Total Upstream Volume	551,982	837,277	1,232,647	1,006,646	787,214	400,485	198,389	123,826	117,100	113,435	143,770	258,277	5,771,048
Eastern Shore Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern Shore Volume	551,982	837,277	1,232,647	1,006,646	787,214	400,485	198,389	123,826	117,100	113,435	143,770	258,277	5,771,048
Delivery Zone 1													
Commodity Rate	\$0.0233	\$0.0233	\$0.0233	\$0.0233	\$0.0233	\$0.0233	\$0.0233	\$0.0233	\$0.0233	\$0.0233	\$0.0233	\$0.0233	\$0.0233
Commodity in DT	82,797	125,592	184,897	150,997	118,082	60,073	29,758	18,574	17,565	17,015	21,566	38,742	
Commodity Cost	\$1,929.18	\$2,926.28	\$4,308.10	\$3,518.23	\$2,751.31	\$1,399.70	\$693.37	\$432.77	\$409.26	\$396.46	\$502.48	\$902.68	\$20,169.82
Interruptible Commodity Rate	\$0.4414	\$0.4414	\$0.4414	\$0.4414	\$0.4414	\$0.4414	\$0.4414	\$0.4414	\$0.4414	\$0.4414	\$0.4414	\$0.4414	\$0.4414
Interruptible Commodity in DT	0	0	0	0	0	0	0	0	0	0	0	0	
Interruptible Commodity Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Max Check	2,358,210	2,497,949	2,497,949	2,336,791	2,497,949	2,358,210	2,155,461	2,085,930	2,155,461	2,155,461	2,085,930	2,155,461	
Delivery Zone 2													
Commodity Rate	\$0.0420	\$0.0420	\$0.0420	\$0.0420	\$0.0420	\$0.0420	\$0.0420	\$0.0420	\$0.0420	\$0.0420	\$0.0420	\$0.0420	\$0.0420
Commodity in DT	469,185	711,685	1,047,750	855,649	669,132	340,412	168,631	105,252	99,535	96,420	122,205	219,535	
Commodity Cost	\$19,705.76	\$29,890.79	\$44,005.50	\$35,937.26	\$28,103.54	\$14,297.31	\$7,082.49	\$4,420.59	\$4,180.47	\$4,049.63	\$5,132.59	\$9,220.49	\$206,026.42
Interruptible Commodity Rate	\$0.9172	\$0.9172	\$0.9172	\$0.9172	\$0.9172	\$0.9172	\$0.9172	\$0.9172	\$0.9172	\$0.9172	\$0.9172	\$0.9172	\$0.9172
Interruptible Commodity in DT	0	0	0	0	0	0	0	0	0	0	0	0	
Interruptible Commodity Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Commodity	\$21,634.94	\$32,817.07	\$48,313.60	\$39,455.49	\$30,854.85	\$15,697.01	\$7,775.86	\$4,853.36	\$4,589.73	\$4,446.09	\$5,635.07	\$10,123.17	\$226,196.24
Eastern Shore Imbalance	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Third Party Transportation Credit	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Eastern Shore Commodity	\$21,634.94	\$32,817.07	\$48,313.60	\$39,455.49	\$30,854.85	\$15,697.01	\$7,775.86	\$4,853.36	\$4,589.73	\$4,446.09	\$5,635.07	\$10,123.17	\$226,196.24

TOTAL COMMODITY COSTS

	\$1,430,293.47	\$2,792,709.17	\$4,499,010.15	\$3,622,348.90	\$2,606,713.16	\$1,098,829.00	\$517,732.16	\$323,742.71	\$317,313.43	\$310,202.95	\$330,075.18	\$587,110.01	\$18,436,080.29
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Pipeline Summary

Columbia Gas Transmission

Columbia/Columbia Gulf FT Costs

Fixed Costs	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$422,881.20
Commodity Costs	\$85,663.05	\$149,287.14	\$225,898.70	\$183,026.68	\$141,407.46	\$71,641.04	\$33,672.88	\$21,217.55	\$19,914.82	\$19,401.95	\$20,261.27	\$36,556.72	\$1,007,949.26
Total Costs	\$120,903.15	\$184,527.24	\$261,138.80	\$218,266.78	\$176,647.56	\$106,881.14	\$68,912.98	\$56,457.65	\$55,154.92	\$54,642.05	\$55,501.37	\$71,796.82	\$1,430,830.46

Columbia/Columbia Gulf Storage Costs

Fixed Costs	\$262,883.76	\$262,883.76	\$262,883.76	\$262,883.76	\$262,883.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,314,418.79
Commodity Costs	\$72,509.26	\$217,527.79	\$580,074.12	\$435,055.59	\$145,018.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,450,185.29
Total Costs	\$335,393.02	\$480,411.55	\$842,957.88	\$697,939.35	\$407,902.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,764,604.08

Columbia/Columbia Gulf Total Costs

Fixed Costs	\$298,123.86	\$298,123.86	\$298,123.86	\$298,123.86	\$298,123.85	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$35,240.10	\$1,737,299.99
Commodity Costs	\$158,172.31	\$366,814.93	\$905,972.82	\$618,082.27	\$286,425.99	\$71,641.04	\$33,672.88	\$21,217.55	\$19,914.82	\$19,401.95	\$20,261.27	\$36,556.72	\$2,458,134.55
Total Costs	\$456,296.17	\$664,938.79	\$1,104,096.68	\$916,206.13	\$584,549.84	\$106,881.14	\$68,912.98	\$56,457.65	\$55,154.92	\$54,642.05	\$55,501.37	\$71,796.82	\$4,195,434.54

Columbia FT Volume

	33,754	46,005	63,598	51,768	43,874	25,818	12,789	7,983	7,549	7,313	9,268	16,650	326,368
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Columbia Storage Volume

	21,251	63,754	170,010	127,508	42,503	0	0	0	0	0	0	0	425,025
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Columbia Total Volume

	55,005	109,759	233,608	179,276	86,377	25,818	12,789	7,983	7,549	7,313	9,268	16,650	751,393
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Transco

Transco FT Costs

Fixed Costs	\$342,372.30	\$353,784.71	\$353,784.71	\$330,959.89	\$353,784.71	\$342,372.30	\$353,784.71	\$342,372.30	\$353,784.71	\$353,784.71	\$342,372.30	\$353,784.71	\$4,176,942.06
Commodity Costs	\$405,573.22	\$608,573.17	\$876,571.37	\$694,597.22	\$530,657.12	\$284,851.09	\$140,664.69	\$90,060.11	\$88,873.40	\$93,421.63	\$113,653.03	\$200,190.26	\$4,127,686.31
Total Costs	\$747,945.52	\$962,357.88	\$1,230,356.08	\$1,025,557.11	\$884,441.83	\$627,223.39	\$494,449.40	\$432,432.41	\$442,658.11	\$447,206.34	\$456,025.33	\$553,974.97	\$8,304,628.37

Chesapeake Utilities Corporation

Schedule C.2

Delaware Division

	Projected November-23	Projected December-23	Projected January-24	Projected February-24	Projected March-24	Projected April-24	Projected May-24	Projected June-24	Projected July-24	Projected August-24	Projected September-24	Projected October-24	Total
TranSCO Storage Costs													
Fixed Costs	\$69,857.71	\$69,857.74	\$69,857.71	\$69,857.75	\$69,857.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$349,288.62
Commodity Costs	\$23,837.61	\$210,912.25	\$269,124.47	\$269,124.47	\$224,996.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$997,995.03
Total Costs	\$93,695.32	\$280,769.99	\$338,982.18	\$338,982.22	\$294,853.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,347,283.65
TranSCO Total Costs													
Fixed Costs	\$412,230.01	\$423,642.45	\$423,642.42	\$400,817.64	\$423,642.42	\$342,372.30	\$353,784.71	\$342,372.30	\$353,784.71	\$353,784.71	\$342,372.30	\$353,784.71	\$4,526,230.68
Commodity Costs	\$429,410.83	\$819,485.42	\$1,145,695.84	\$963,721.69	\$755,653.35	\$284,851.09	\$140,664.69	\$90,060.11	\$88,873.40	\$93,421.63	\$113,653.03	\$200,190.26	\$5,125,681.34
Total Costs	\$841,640.84	\$1,243,127.87	\$1,569,338.26	\$1,364,539.33	\$1,179,295.77	\$627,223.39	\$494,449.40	\$432,432.41	\$442,658.11	\$447,206.34	\$456,025.33	\$553,974.97	\$9,651,912.02
TranSCO FT Volume	108,401	147,749	204,248	166,257	140,906	82,915	41,074	25,636	24,244	23,485	29,765	53,472	1,048,152
TranSCO Storage Volume	7,142	59,883	76,102	76,102	64,124	0	0	0	0	0	0	0	283,353
TranSCO Total Volume	115,543	207,632	280,350	242,359	205,030	82,915	41,074	25,636	24,244	23,485	29,765	53,472	1,331,505

TETCO

TETCO FT Costs													
Fixed Costs	\$600,425.61	\$602,954.34	\$602,954.34	\$597,896.88	\$602,954.34	\$600,425.61	\$602,954.34	\$600,425.61	\$602,954.34	\$602,954.34	\$600,425.61	\$602,954.34	\$7,220,279.70
Commodity Costs	\$821,075.39	\$1,573,591.75	\$2,499,027.89	\$2,001,089.45	\$1,533,778.97	\$726,639.86	\$335,618.73	\$207,611.69	\$203,935.48	\$192,933.28	\$190,525.81	\$340,239.86	\$10,626,068.16
Total Costs	\$1,421,501.00	\$2,176,546.09	\$3,101,982.23	\$2,598,986.33	\$2,136,733.31	\$1,327,065.47	\$938,573.07	\$808,037.30	\$806,889.82	\$795,887.62	\$790,951.42	\$943,194.20	\$17,846,347.86

Eastern Shore Natural Gas

ESNG FT													
Fixed Costs	\$2,468,990.91	\$2,519,797.79	\$2,519,797.79	\$2,519,797.79	\$2,495,227.30	\$2,468,990.91	\$2,245,497.28	\$2,245,497.28	\$2,245,497.28	\$2,336,881.41	\$2,332,742.68	\$2,336,881.41	\$28,735,599.82
Commodity Costs	\$21,634.94	\$32,817.07	\$48,313.60	\$39,455.49	\$30,854.85	\$15,697.01	\$7,775.86	\$4,853.36	\$4,589.73	\$4,446.09	\$5,635.07	\$10,123.17	\$226,196.24
Total Costs	\$2,490,625.85	\$2,552,614.86	\$2,568,111.39	\$2,559,253.28	\$2,526,082.15	\$2,484,687.92	\$2,253,273.14	\$2,250,350.64	\$2,250,087.01	\$2,341,327.50	\$2,338,377.75	\$2,347,004.58	\$28,961,796.06

Total Commodity Volume	523,589	713,640	986,535	803,036	680,587	400,485	198,389	123,826	117,100	113,435	143,770	258,277	5,062,670
Total Storage Volume	28,393	123,637	203,610	106,627	106,627	0	0	0	0	0	0	0	708,378
Total Volume	551,982	837,277	1,232,647	1,006,646	787,214	400,485	198,389	123,826	117,100	113,435	143,770	258,277	5,771,048

Flowing Commodity WACOG

	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035
TranSCO Station 30	\$63,198.35	\$96,578.95	\$140,968.69	\$112,405.08	\$85,391.61	\$45,917.85	\$22,771.55	\$14,403.48	\$13,879.93	\$13,610.40	\$16,752.72	\$30,207.40	\$656,086.01
TranSCO Station 45	\$99,049.13	\$150,696.34	\$219,121.90	\$174,931.36	\$128,308.60	\$68,831.51	\$33,789.14	\$21,865.89	\$22,594.65	\$22,038.37	\$26,567.17	\$47,924.69	\$1,015,718.75
TranSCO Station 65	\$243,325.74	\$361,297.88	\$516,480.78	\$407,260.78	\$316,956.91	\$170,101.73	\$84,104.00	\$53,790.74	\$52,398.82	\$51,106.19	\$63,666.47	\$115,391.51	\$2,435,881.55
TranSCO Storage Injections	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TranSCO Zone 5 (Cove Point)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TranSCO 6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TCO	\$85,663.05	\$149,287.14	\$225,898.70	\$183,026.68	\$141,407.46	\$71,641.04	\$33,672.88	\$21,217.55	\$19,914.82	\$19,401.95	\$20,261.27	\$36,556.72	\$1,007,949.26
TETCO	\$821,075.39	\$1,573,591.75	\$2,499,027.89	\$2,001,089.45	\$1,533,778.97	\$726,639.86	\$335,618.73	\$207,611.69	\$203,935.48	\$192,933.28	\$190,525.81	\$340,239.86	\$10,626,068.16
ESNG Commodity	\$21,634.94	\$32,817.07	\$48,313.60	\$39,455.49	\$30,854.85	\$15,697.01	\$7,775.86	\$4,853.36	\$4,589.73	\$4,446.09	\$5,635.07	\$10,123.17	\$226,196.24
ESNG Imbalance	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$1,333,946.60	\$2,364,269.13	\$3,649,811.56	\$2,918,168.84	\$2,236,698.40	\$1,098,829.00	\$517,732.16	\$323,742.71	\$317,313.43	\$303,536.28	\$323,408.51	\$580,443.35	\$15,967,899.97
Dt	523,589	713,640	986,535	803,036	680,587	400,485	198,389	123,826	117,100	113,435	143,770	258,277	5,062,669
Unit Cost per Dt	\$2.5064	\$3.2670	\$3.6507	\$3.5848	\$3.2411	\$2.7046	\$2.5705	\$2.5753	\$2.6706	\$2.6367	\$2.2103	\$2.2082	\$3.1094
Unit Cost per Dt w/ESN Com	\$2.5477	\$3.3130	\$3.6996	\$3.6339	\$3.2864	\$2.7437	\$2.6097	\$2.6145	\$2.7098	\$2.6759	\$2.2495	\$2.2474	\$3.1540
Unit Cost per Mcf w/ESN Com	\$2.6369	\$3.4290	\$3.8291	\$3.7611	\$3.4014	\$2.8397	\$2.7010	\$2.7060	\$2.8046	\$2.7696	\$2.3282	\$2.3261	\$3.2644
Unit Cost per Mcf w/ESN Com + UFG	\$2.6759	\$3.4797	\$3.8858	\$3.8168	\$3.4517	\$2.8817	\$2.7410	\$2.7460	\$2.8461	\$2.8106	\$2.3627	\$2.3605	\$3.3127

TOTAL COSTS

Fixed Costs													
Other Pipeline FT Reservation	\$978,038.01	\$991,979.15	\$991,979.15	\$964,096.87	\$991,979.15	\$978,038.01	\$991,979.15	\$978,038.01	\$991,979.15	\$991,979.15	\$978,038.01	\$991,979.15	\$11,820,102.96
Storage Demand & Capacity	\$337,741.47	\$408,791.50	\$408,791.47	\$408,791.51	\$408,791.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,972,907.41
ESNG FT Reservation	\$2,468,990.91	\$2,519,797.79	\$2,519,797.79	\$2,519,797.79	\$2,495,227.30	\$2,468,990.91	\$2,245,497.28	\$2,245,497.28	\$2,245,497.28	\$2,336,881.41	\$2,332,742.68	\$2,336,881.41	\$28,735,599.82
Add: Capacity Reservation	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$6,818.12	\$81,817.48
Less: Capacity Release Credits	(\$475,217.30)	(\$491,517.51)	(\$488,632.62)	(\$442,124.96)	(\$487,475.57)	(\$471,414.87)	(\$477,076.26)	(\$465,621.96)	(\$477,419.59)	(\$479,239.86)	(\$471,881.14)	(\$473,651.52)	(\$5,701,273.18)
Fixed Costs	\$3,316,371.22	\$3,435,869.05	\$3,438,753.92	\$3,457,379.33	\$3,415,340.46	\$2,982,432.18	\$2,767,218.30	\$2,764,731.43	\$2,766,874.96	\$2,856,438.82	\$2,845,717.67	\$2,862,027.15	\$36,909,164.49
Commodity Costs													
Flowing Commodity	\$1,312,311.66	\$2,331,452.06	\$3,601,497.96	\$2,878,713.35	\$2,205,843.55	\$1,083,131.99	\$509,956.30	\$318,889.35	\$312,723.70	\$305,756.86	\$324,440.11	\$576,986.84	\$15,761,703.73
Storage I/W & Commodity	\$96,346.87	\$428,440.04	\$849,198.59	\$704,180.06	\$370,014.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,448,180.32
ESNG FT Commodity	\$21,634.94	\$32,817.07	\$48,313.60	\$39,455.49	\$30,854.85	\$15,697.01	\$7,775.86	\$4,853.36	\$4,589.73	\$4,446.09	\$5,635.07	\$10,123.17	\$226,196.24
Commodity Costs	\$1,430,293.47	\$2,792,709.17	\$4,499,010.15	\$3,622,348.90	\$2,606,713.16	\$1,098,829.00	\$517,732.16	\$323,742.71	\$317,313.43	\$310,202.95	\$330,075.18	\$587,110.01	\$18,436,080.29
Less: CNG Use	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Firm Cost of Gas	\$4,746,664.69	\$6,228,578.23	\$7,937,764.07	\$7,079,728.23	\$6,022,053.62	\$4,081,261.17	\$3,284,950.45	\$3,088,474.14	\$3,084,188.39	\$3,166,641.76	\$3,175,792.86	\$3,449,137.17	\$55,345,234.78

**Chesapeake Utilities Corporation
Delaware Division
Development of Gas Sales Service Rates Effective November 1, 2023**

Based on Total Firm Gas Costs Recoverable through GSR effective November 1, 2023

Description	Allocator	Total System Costs	Volume (Ccf)	Cost / Ccf
Fixed Gas Costs	Peak Day Capacity Entitlements	\$33,323,328	786,980	\$42.34
Variable Gas Costs	Annual Volume	\$21,815,651	54,938,265	\$0.397
Total Firm Gas Costs	Annual Volume	\$55,138,980	54,938,265	\$1.004

Development of High Load Factor Service Rates per CCF (50% Load Factor)

Description	Peak Day Cap. Method	System Average Cost	HLFS Average Rate
Demand Rate	(\$42.34 / 186)	\$0.228	
Commodity Rate		\$0.397	
Total Gas Sales Service Rate		\$0.625	\$1.004
Total High Load Factor Dollars			
	Projected Sales	Rate	Total Cost
	5,009,115	\$0.815	\$4,062,429

Development of Gas Lighting Rate per CCF (100% Load Factor)

Description	Peak Day Cap. Method	System Average Cost	HLFS Average Rate
Demand Rate	(\$42.34 / 365)	\$0.116	
Commodity Rate		\$0.397	
Total Gas Sales Service Rate		\$0.513	
Total Gas Cooling and Gas Lighting Dollars			
	Projected Sales	Rate	Total Cost
	0	\$0.513	\$0

Development of RS1,RS2, GS, MVS, and LVS Rate per CCF

Description	Firm Gas Cost	Volume (CCF)	Rate per CCF	Margin Sharing Rate per CCF	Final Rate per CCF
Total System Gas Cost	\$55,138,980	54,938,265			
Less : Allocated to HLFS & SFS	\$4,062,429	5,009,115			
Less : Allocated to GL, GC	\$0	0			
Total Remaining System	\$51,056,551	49,929,150	\$1.023	(\$0.139)	\$0.884

Based on Total Firm Gas Costs Recoverable through GSR effective November 1, 2022

Description	Allocator	Total System Costs	Volume (Ccf)	Cost / Ccf
Fixed Gas Costs	Peak Day Capacity Entitlements	\$30,303,950	786,980	\$38.51
Variable Gas Costs	Annual Volume	\$36,830,812	50,931,967	\$0.723
Total Firm Gas Costs	Annual Volume	\$67,134,762	50,931,967	\$1.318

Development of High Load Factor Service Rates per CCF (50% Load Factor)

Description	Peak Day Cap. Method	System Average Cost	HLFS Average Rate
Demand Rate	(\$38.66 / 218)	\$0.177	
Commodity Rate		\$0.723	
Total Gas Sales Service Rate		\$0.900	\$1.318
Total High Load Factor Dollars			
	Projected Sales	Rate	Total Cost
	3,540,202	\$1.109	\$3,926,084

Development of Gas Lighting Rate per CCF (100% Load Factor)

Description	Peak Day Cap. Method	System Average Cost	HLFS Average Rate
Demand Rate	(\$38.66 / 365)	\$0.106	
Commodity Rate		\$0.723	
Total Gas Sales Service Rate		\$0.829	
Total Gas Cooling and Gas Lighting Dollars			
	Projected Sales	Rate	Total Cost
	0	\$0.829	\$0

Development of RS1,RS2, GS, MVS, and LVS Rate per CCF

Description	Firm Gas Cost	Volume (CCF)	Rate per CCF	Margin Sharing Rate per CCF	Final Rate per CCF
Total System Gas Cost	\$67,134,762	50,931,967			
Less : Allocated to HLFS & SFS	\$3,926,084	3,540,202			
Less : Allocated to GL, GC	\$0	0			
Total Remaining System	\$63,208,678	47,391,765	\$1.334	(\$0.108)	\$1.226

Change in Total Firm Gas Costs Recoverable through GSR

Description	Costs	Cost / Ccf
Fixed Gas Costs	\$3,019,378	\$3.830
Variable Gas Costs	(\$15,015,161)	(\$0.326)
Total Firm Gas Costs	(\$11,995,782)	(\$0.314)

Change in HLFS Rate

Description	HLFS Cost / Ccf
Demand Rate	
Commodity Rate	
Total Gas Sales Service Rate	(\$0.294)

Change in Gas Lighting Rate

Description	GL Cost / Ccf
Demand Rate	
Commodity Rate	
Total Gas Sales Service Rate	(\$0.316)

Change in RS1,RS2, GS, MVS, and LVS Rate

Description	Rate per CCF	Margin Sharing Rate per CCF	Final Rate per CCF
Total System Gas Cost			
Less : Allocated to HLFS			
Less : Allocated to GL, GC			
Total Remaining System	(\$0.311)	(\$0.031)	(\$0.342)

Chesapeake Utilities Corporation
Delaware Division
Firm Cost of Gas Comparison

Description	Projection Inherent In November 1, 2023 GSR Filing		Estimated 12 Months Ending Oct-23	Average Cost Per MCF	12 Months Ending Oct-22	Average Cost Per MCF	12 Months Ending Oct-21	Average Cost Per MCF	12 Months Ending Oct-20	Average Cost Per MCF
	Projected 12 Months Ending Oct-24	Average Cost Per MCF								
Firm Fixed Gas Costs										
ESNG FT Reservation ¹	\$23,034,327	\$4.193	\$21,332,702	\$4.893	\$20,215,376	\$4.499	\$19,804,904	\$4.674	\$18,718,617	\$4.712
Columbia FT Reservation	\$422,881	\$0.077	\$419,740	\$0.096	\$415,287	\$0.092	\$469,987	\$0.111	\$551,825	\$0.139
Transco FT Reservation	\$4,176,942	\$0.760	\$4,164,855	\$0.955	\$4,161,170	\$0.926	\$4,159,305	\$0.982	\$4,468,330	\$1.125
Texas Eastern FT Reservation	\$7,220,280	\$1.314	\$7,217,667	\$1.656	\$7,219,003	\$1.607	\$7,217,667	\$1.704	\$6,835,864	\$1.721
Storage Demand and Capacity & Peaking	\$1,972,907	\$0.359	\$1,599,401	\$0.367	\$1,812,400	\$0.403	\$1,310,078	\$0.309	\$1,175,657	\$0.296
Total Firm Fixed Gas Costs	\$36,827,337	\$6.703	\$34,734,364	\$7.967	\$33,823,235	\$7.528	\$32,961,941	\$7.780	\$31,750,293	\$7.993
Firm Variable Gas Costs										
Flowing Commodity	\$15,761,704	\$2.869	\$18,687,237	\$4.286	\$18,375,796	\$4.090	\$10,174,512	\$2.401	\$7,367,742	\$1.855
ESNG FT Commodity	\$226,196	\$0.041	\$306,072	\$0.070	\$351,352	\$0.078	\$328,407	\$0.078	\$319,041	\$0.080
CNG for Vehicular Use	\$0	\$0.000	\$0	\$0.000	\$0	\$0.000	\$0	\$0.000	\$2,715	\$0.001
Storage Injection/Withdrawal & Commodity	\$2,448,180	\$0.446	\$2,659,888	\$0.610	\$1,583,969	\$0.353	\$1,152,905	\$0.272	\$1,762,338	\$0.444
Propane	\$0	\$0.000	\$1,539	\$0.000	\$0	\$0.000	\$16,955	\$0.004	\$12,471	\$0.003
Total Firm Variable Gas Costs	\$18,436,080	\$3.356	\$21,654,736	\$4.967	\$20,311,117	\$4.520	\$11,672,779	\$2.755	\$9,464,307	\$2.383
Total Firm Gas Costs	\$55,263,417	\$10.059	\$56,389,100	\$12.934	\$54,134,352	\$12.048	\$44,634,720	\$10.535	\$41,214,600	\$10.376
Total Firm Mcf Sales	5,493,826		4,359,726		4,493,289		4,236,868		3,972,274	

¹ Includes Capacity Release revenue received

Reconciliation of Total Firm Gas Costs (Schedule F) to
Cost Recoverable through GSR (Schedule B):

Total Firm Gas Costs (Schedule F)	\$55,263,417
Supplier Refunds (Schedule B)	\$0
CNG Capacity Reservation	\$81,817
Balancing Rate Credit	(\$3,585,826)
(Over)/Under Collection (Schedule D.1)	\$3,379,571
Costs Recoverable through GSR	\$55,138,980

Chesapeake Utilities Corporation
Delaware Division
Unaccounted For, Company Use & Pressure Compensation Gas Volumes
Twelve Months Ended July 31, 2023

	(1)	(2)	(3)	(4)	(5) *	(6)
Month	Total Receipts (Mcf)	Total Sales and Transportation (Mcf)	Unaccounted For, Pressure Compensation and Company Use (Mcf)	Company Use (Mcf)	Pressure Compensation (Mcf)	Unaccounted For Gas (Mcf)
August-22	381,618	382,788	(1,170)	1	5,717	(6,888)
September-22	433,811	430,629	3,182	2	6,432	(3,252)
October-22	613,121	533,069	80,052	13	7,962	72,078
November-22	849,996	617,464	232,532	28	9,222	223,282
December-22	1,362,923	1,088,389	274,534	73	16,256	258,205
January-23	1,217,668	1,359,970	(142,302)	97	20,312	(162,711)
February-23	1,071,203	1,171,508	(100,305)	83	17,497	(117,885)
March-23	1,066,853	1,062,403	4,450	88	15,868	(11,506)
April-23	542,147	756,052	(213,905)	36	11,292	(225,233)
May-23	492,261	504,187	(11,926)	17	7,530	(19,473)
June-23	394,058	441,955	(47,897)	13	6,601	(54,511)
July-23	347,057	352,228	(5,171)	11	5,261	(10,443)
Total	8,772,716	8,700,642	72,074	461	129,950	(58,337)

Unaccounted For and Company Use as % of Sales (Column 3 / Column 2)	0.83%
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Unaccounted For as % of Receipts (Column 6 / Column 1)	-0.66%
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* Represents calculation to pressurize gas delivered from the ESNB transmission pipeline to a standard pressure.

Chesapeake Utilities Corporation
Delaware Division
Development of Gas Sales Service Rates Effective November 1, 2023
Balancing Rate Credit for Transportation Customers

Rate Class	Projected Nov-23	Projected Dec-23	Projected Jan-24	Projected Feb-24	Projected Mar-24	Projected Apr-24	Projected May-24	Projected Jun-24	Projected Jul-24	Projected Aug-24	Projected Sep-24	Projected Oct-24	Total
General Service:													
Volumes - Mcf	1,260	2,287	3,177	2,358	2,434	1,058	925	670	546	465	581	898	16,657
Balancing Rate Revenue	\$2,797	\$5,077	\$7,054	\$5,234	\$5,403	\$2,350	\$2,053	\$1,487	\$1,213	\$1,033	\$1,289	\$1,994	\$36,984
Medium Volume Service:													
Volumes - Mcf	6,717	11,500	14,738	11,648	11,984	4,982	3,279	1,734	1,312	1,290	1,723	4,297	75,203
Balancing Rate Revenue	\$17,199	\$29,445	\$37,736	\$29,824	\$30,684	\$12,755	\$8,395	\$4,440	\$3,360	\$3,302	\$4,412	\$11,003	\$192,555
Large Volume Service:													
Volumes - Mcf	83,622	140,939	165,472	134,410	135,570	58,776	44,291	35,791	25,568	25,168	50,490	77,217	977,314
Balancing Rate Revenue	\$171,592	\$289,206	\$339,547	\$275,808	\$278,188	\$120,608	\$90,885	\$73,444	\$52,465	\$51,644	\$103,606	\$158,449	\$2,005,442
High Load Factor Service:													
Volumes - Mcf	265,678	323,627	309,212	265,545	278,933	239,708	244,905	256,256	245,305	256,145	260,035	270,980	3,216,329
Balancing Rate Revenue	\$110,919	\$135,112	\$129,094	\$110,863	\$116,453	\$100,076	\$102,246	\$106,985	\$102,413	\$106,939	\$108,563	\$113,132	\$1,342,795
Interruptible Service:													
Volumes - Mcf	25,912	33,801	30,649	26,433	27,212	20,035	18,130	23,663	22,721	19,887	23,718	20,612	292,772
Balancing Rate Revenue	\$712	\$929	\$843	\$727	\$748	\$551	\$498	\$651	\$625	\$547	\$652	\$567	\$8,050
Total Balancing Rate Revenue	\$303,219	\$459,769	\$514,274	\$422,456	\$431,476	\$236,340	\$204,077	\$187,007	\$160,076	\$163,465	\$218,522	\$285,145	\$3,585,826

4,578,275

Chesapeake Utilities Corporation Delaware Division
Capacity Release Credit Calculation

Customer Name (Utilicis)	Division	DFA	Zone	30	31	31	28	31	30	31	30	31	31	30	31
				Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Customer #1	DE	4	1	85	85	75	75	75	75	75	75	75	75	75	75
Customer #2	DE	6	2	8	8	8	8	8	8	8	8	8	8	8	8
Customer #3	DE	6	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #4	DE	6	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #5	DE	5	2	17	17	17	17	17	17	17	17	17	17	17	17
Customer #6	DE	5	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #7	DE	5	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #8	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #9	DE	15	2	9	9	9	9	9	9	9	9	9	9	9	9
Customer #10	DE	5	2	138	138	138	138	138	138	138	138	138	138	138	138
Customer #11	DE	5	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #12	DE	5	2	7	7	7	7	7	7	7	7	7	7	7	7
Customer #13	DE	5	2	9	9	9	9	9	9	9	9	9	9	9	9
Customer #14	DE	5	2	31	31	31	31	31	31	31	31	31	31	31	31
Customer #15	DE	5	2	12	12	12	12	12	12	12	12	12	12	12	12
Customer #16	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #17	DE	5	2	15	15	15	15	15	15	15	15	15	15	15	15
Customer #18	DE	6	2	29	29	29	29	29	29	29	29	29	29	29	29
Customer #19	DE	5	2	23	23	23	23	23	23	23	23	23	23	23	23
Customer #20	DE	5	2	20	20	20	20	20	20	20	20	20	20	20	20
Customer #21	DE	5	2	6	6	6	6	6	6	6	6	6	6	6	6
Customer #22	DE	5	2	9	9	9	9	9	9	9	9	9	9	9	9
Customer #23	DE	5	2	7	7	7	7	7	7	7	7	7	7	7	7
Customer #24	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #25	DE	5	2	8	8	8	8	8	8	8	8	8	8	8	8
Customer #26	DE	6	2	29	29	29	29	29	29	29	29	29	29	29	29
Customer #27	DE	6	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #28	DE	15	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #29	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #30	DE	5	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #31	DE	5	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #32	DE	5	2	19	19	19	19	19	19	19	19	19	19	19	19
Customer #33	DE	5	2	35	35	35	35	35	35	35	35	35	35	35	35
Customer #34	DE	5	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #35	DE	5	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #36	DE	5	2	23	23	23	23	23	23	23	23	23	23	23	23
Customer #37	DE	5	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #38	DE	5	2	195	195	195	195	195	195	175	175	175	175	175	175
Customer #39	DE	5	2	24	24	24	24	24	22	22	22	22	22	22	22
Customer #40	DE	5	2	35	35	35	35	35	34	34	34	34	34	34	34
Customer #41	DE	5	2	15	15	15	15	15	15	15	15	15	15	15	15
Customer #42	DE	5	2	201	201	201	201	201	201	201	201	201	201	201	201
Customer #43	DE	4	1												
Customer #44	DE	6	2	40	40	40	40	40	34	34	34	34	34	34	34
Customer #45	DE	8	2	20	20	20	20	20	20	20	20	20	20	20	20
Customer #46	DE	5	2	36	36	36	36	36	36	36	36	36	36	36	36
Customer #47	DE	14	2	162	162	162	162	162	162	162	162	162	162	162	162
Customer #48	DE	14	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #49	DE	14	2	7	7	7	7	7	7	7	7	7	7	7	7
Customer #50	DE	14	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #51	DE	5	2	450	450	450	450	450	450	450	450	450	450	450	450
Customer #52	DE	6	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #53	DE	6	2	14	14	14	14	14	14	14	14	14	14	14	14
Customer #54	DE	6	2	35	35	35	35	35	35	35	35	35	35	35	35
Customer #55	DE	5	2	118	118	118	118	114	114	114	114	114	114	114	114
Customer #56	DE	5	2	63	63	63	63	63	63	63	63	63	63	63	63
Customer #57	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #58	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #59	DE	5	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #60	DE	5	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #61	DE	5	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #62	DE	5	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #63	DE	5	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #64	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #65	DE	5	2	10	10	10	10	10	10	10	10	10	10	10	10
Customer #66	DE	5	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #67	DE	5	2	20	20	20	20	20	20	20	20	20	20	20	20
Customer #68	DE	5	2	6	6	6	6	6	6	6	6	6	6	6	6
Customer #69	DE	5	2	10	10	10	10	10	10	10	10	10	10	10	10
Customer #70	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #71	DE	5	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #72	DE	5	2	12	12	12	12	12	12	12	12	12	12	12	12
Customer #73	DE	5	2	51	48	48	48	48	48	48	48	48	48	48	48
Customer #74	DE	5	2	10	8	8	8	8	8	8	8	8	8	8	8
Customer #75	DE	5	2	9	8	8	8	8	8	8	8	8	8	8	8
Customer #76	DE	5	2	6	17	17	17	17	17	17	17	17	17	17	17
Customer #77	DE	5	2	1	1	1	1	1	1	1	1	1	1	1	1

Chesapeake Utilities Corporation Delaware Division
Capacity Release Credit Calculation

Customer Name (Utilicis)	Division	DFA	Zone	30	31	31	28	31	30	31	30	31	31	30	31
				Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Customer #78	DE	5	2	9	9	9	9	9	9	9	9	9	9	9	9
Customer #79	DE	6	2	51	37	15	18	18	22	18	22	13	16		
Customer #80	DE	5	2	43	43	43	43	43	43	43	43	43	43	43	43
Customer #81	DE	6	2	26	26	26	26	26	26	26	26	26	26	26	26
Customer #82	DE	5	2	22	22	22	22	22	22	22	22	22	22	22	22
Customer #83	DE	5	2	9	9	9	9	9	9	9	9	9	9	9	9
Customer #84	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #85	DE	5	2	11	11	11	11	11	11	11	11	11	11	11	11
Customer #86	DE	5	2	19	19	19	19	19	19	19	19	19	19	19	19
Customer #87	DE	5	2	10	10	10	10	10	10	10	10	10	10	10	10
Customer #88	DE	5	2	5	4	4	4	4	4	4	4	4	4	4	4
Customer #89	DE	5	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #90	DE	5	2	22	22	22	22	22	22	22	22	22	22	22	22
Customer #91	DE	5	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #92	DE	5	2	12	12	12	12	12	12	12	12	12	12	12	12
Customer #93	DE	5	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #94	DE	5	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #95	DE	5	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #96	DE	5	2	17	17	17	17	17	17	17	17	17	17	17	17
Customer #97	DE	5	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #98	DE	5	2	45	45	45	45	45	45	45	45	45	45	45	45
Customer #99	DE	5	2	16	16	16	16	16	16	16	16	16	16	16	16
Customer #100	DE	5	2	7	7	7	7	7	7	7	7	7	7	7	7
Customer #101	DE	5	2	27	25	25	25	25	25	25	25	25	25	25	25
Customer #102	DE	5	2	34	34	34	34	34	34	34	34	34	34	34	34
Customer #103	DE	5	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #104	DE	5	2	9	9	9	9	9	9	9	9	9	9	9	9
Customer #105	DE	6	2	17	17	17	17	17	17	17	17	17	17	17	17
Customer #106	DE	6	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #107	DE	5	2	96	119	107	117	104	88	72	205	164	231	197	158
Customer #108	DE	5	2	14	13	12	8	8	10	10	14	12	12	11	8
Customer #109	DE	5	2	18	17	14	25	20	18	20	22	20	24	22	22
Customer #110	DE	6	2	22	22	22	22	22	22	22	22	22	22	22	22
Customer #111	DE	7	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #112	DE	6	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #113	DE	5	2	38	38	38	38	38	38	38	38	38	38	38	38
Customer #114	DE	5	2	18	18	18	18	18	18	18	18	18	18	18	18
Customer #115	DE	5	2	25	25	25	25	25	25	25	25	25	25	25	25
Customer #116	DE	5	2	15	15	15	15	15	15	15	15	15	15	15	15
Customer #117	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #118	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #119	DE	5	2	7	7	7	7	7	7	7	7	7	7	7	7
Customer #120	DE	5	2	9	9	9	9	9	9	9	9	9	9	9	9
Customer #121	DE	5	2	26	26	26	26	26	26	26	26	26	26	26	26
Customer #122	DE	5	2	6	6	6	6	6	6	6	6	6	6	6	6
Customer #123	DE	5	2	18	18	18	18	18	18	18	18	18	18	18	18
Customer #124	DE	6	2	43	43	43	43	43	43	43	43	43	43	43	43
Customer #125	DE	5	2	22	22	22	22	22	22	22	22	22	22	22	22
Customer #126	DE	6	2	16	16	16	16	16	16	16	16	16	16	16	16
Customer #127	DE	6	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #128	DE	6	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #129	DE	6	2	39	39	39	39	39	39	39	39	39	39	39	39
Customer #130	DE	5	2	26	26	26	26	26	26	26	26	26	26	26	26
Customer #131	DE	5	2	32	32	32	32	32	32	32	32	32	32	32	32
Customer #132	DE	5	2	49	45	57	57	57	57	57	57	57	57	57	57
Customer #133	DE	5	2	28	30	23	23	23	23	23	23	23	23	23	23
Customer #134	DE	5	2	27	27	27	27	27	27	27	27	27	27	27	27
Customer #135	DE	6	2	1249	1249	1249	1249	1249	1202	1202	1202	1202	1202	1202	1202
Customer #136	DE	5	2	7	7	7	7	7	7	7	7	7	7	7	7
Customer #137	DE	5	2	8	8	8	8	8	8	8	8	8	8	8	8
Customer #138	DE	5	2	10	10	10	10	10	10	10	10	10	10	10	10
Customer #139	DE	6	2	30	30	30	30	30	30	30	30	30	30	30	30
Customer #140	DE	6	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #141	DE	6	2	10	10	10	10	10	10	10	10	10	10	10	10
Customer #142	DE	6	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #143	DE	5	2	13	13	13	13	13	13	12	12	12	12	12	12
Customer #144	DE	5	2	6	6	6	6	6	6	6	6	6	6	6	6
Customer #145	DE	5	2	18	18	18	18	18	18	18	18	18	18	18	18
Customer #146	DE	6	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #147	DE	6	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #148	DE	6	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #149	DE	6	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #150	DE	6	2	28	28	28	28	28	28	28	28	28	28	28	28
Customer #151	DE	5	2	539	539	539	539	539	539	539	539	539	539	539	539
Customer #152	DE	5	2	15	15	15	15	15	15	15	15	15	15	15	15
Customer #153	DE	6	2	19	19	19	19	19	19	19	19	19	19	19	19
Customer #154	DE	6	2	2	2	2	2	2	2	2	2	2	2	2	2

Chesapeake Utilities Corporation Delaware Division
Capacity Release Credit Calculation

Customer Name (Utilicis)	Division	DFA	Zone	30	31	31	28	31	30	31	30	31	31	30	31	
				Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	
Customer #155	DE	4	1													
Customer #156	DE	4	1													
Customer #157	DE	4	1													
Customer #158	DE	4	1													
Customer #159	DE	4	1													
Customer #160	DE	5	2	34	34	34	34	34	34	34	34	34	34	34	34	34
Customer #161	DE	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4
Customer #162	DE	6	2	29	32	28	28	28	28	28	28	28	28	28	28	28
Customer #163	DE	6	2	3	3	8	8	8	8	8	8	8	8	8	8	8
Customer #164	DE	7	2	11	11	11	11	11	11	11	11	11	11	11	11	11
Customer #165	DE	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #166	DE	14	2	31	31	31	31	31	31	31	31	31	31	31	31	31
Customer #167	DE	14	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Customer #168	DE	14	2	3	3	3	3	3	3	3	3	3	3	3	3	3
Customer #169	DE	14	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Customer #170	DE	14	2	398	398	370	370	370	370	370	370	370	370	370	370	370
Customer #171	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4	4
Customer #172	DE	14	2	40	40	40	40	40	40	40	40	40	40	40	40	40
Customer #173	DE	14	2	24	24	24	24	24	24	24	24	24	24	24	24	24
Customer #174	DE	4	1	34	34	34	34	34	34	34	34	34	34	34	34	34
Customer #175	DE	6	2	65	65	65	65	65	65	65	65	65	65	65	65	65
Customer #176	DE	5	2	17	12	12	12	12	12	12	12	12	12	12	12	12
Customer #177	DE	5	2	204	204	204	204	204	204	204	204	204	204	204	204	204
Customer #178	DE	5	2	11	11	11	11	11	11	11	11	11	11	11	11	11
Customer #179	DE	5	2	8	8	8	8	8	8	8	8	8	8	8	8	8
Customer #180	DE	5	2	8	8	8	8	8	8	8	8	8	8	8	8	8
Customer #181	DE	5	2	12	12	12	12	12	12	12	12	12	12	12	12	12
Customer #182	DE	4	1	148	148	148	148	148	148	148	148	148	148	148	148	148
Customer #183	DE	6	2	91	0	0	0	25	130	95	150	140	194	135	145	145
Customer #184	DE	5	2	14	14	14	14	14	14	14	14	14	14	14	14	14
Customer #185	DE	6	2	14	14	14	14	14	14	14	14	14	14	14	14	14
Customer #186	DE	6	2	17	17	17	17	17	17	17	17	17	17	17	17	17
Customer #187	DE	6	2	38	38	38	38	38	38	38	38	38	38	38	38	38
Customer #188	DE	6	2	4	4	4	4	4	4	4	4	4	4	4	4	4
Customer #189	DE	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Customer #190	DE	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #191	DE	6	2	4	4	4	4	4	6	6	6	6	6	6	6	6
Customer #192	DE	6	2	10	10	10	10	10	10	10	10	10	10	10	10	10
Customer #193	DE	6	2	11	11	11	11	11	11	11	11	11	11	11	11	11
Customer #194	DE	4	1	24	24	24	24	24	24	24	24	24	24	24	24	24
Customer #195	DE	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4
Customer #196	DE	4	1	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #197	DE	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Customer #198	DE	5	2	9	9	9	9	9	9	9	9	9	9	9	9	9
Customer #199	DE	14	2	58	58	58	58	58	58	58	58	58	58	58	58	58
Customer #200	DE	4	1	10	10	10	10	10	10	10	10	10	10	10	10	10
Customer #201	DE	4	1	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #202	DE	5	2	39	39	39	39	39	39	39	39	39	39	39	39	39
Customer #203	DE	4	1													
Customer #204	DE	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Customer #205	DE	4	1	16	16	16	16	16	16	16	16	16	16	16	16	16
Customer #206	DE	4	1	106	106	106	106	106	106	106	106	106	106	106	106	106
Customer #207	DE	4	1	9	9	9	9	9	9	9	9	9	9	9	9	9
Customer #208	DE	4	1	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #209	DE	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4
Customer #210	DE	14	2	25	25	25	25	25	25	25	25	25	25	25	25	25
Customer #211	DE	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #212	DE	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #213	DE	6	2	3	3	3	3	3	2	2	2	2	2	2	2	2
Customer #214	DE	6	2	9	9	9	9	9	10	10	10	10	10	10	10	10
Customer #215	DE	5	2	16	16	16	16	16	16	16	16	16	16	16	16	16
Customer #216	DE	14	2	419	419	419	419	419	419	419	419	419	419	419	419	419
Customer #217	DE	4	1	45	45	45	45	45	45	45	45	45	45	45	45	45
Customer #218	DE	14	2	70	70	70	70	70	70	70	70	70	70	70	70	70
Customer #219	DE	14	2	48	48	47	47	47	47	47	47	47	47	47	47	47
Customer #220	DE	14	2	54	54	53	53	53	53	53	53	53	53	53	53	53
Customer #221	DE	4	1	6	6	6	6	6	6	6	6	6	6	6	6	6
Customer #222	DE	5	2	128	128	128	128	128	128	128	128	128	128	128	128	128
Customer #223	DE	14	2	40	40	40	40	40	40	40	40	40	40	40	40	40
Customer #224	DE	4	1	5	5	5	5	5	5	5	5	5	5	5	5	5
Customer #225	DE	6	2	92	92	92	92	92	92	92	92	92	92	92	92	92
Customer #226	DE	4	1	482	482	490	490	490	490	490	490	490	490	490	490	490
Customer #227	DE	5	2	6	6	6	6	6	6	6	6	6	6	6	6	6
Customer #228	DE	5	2	6	6	6	6	6	6	6	6	6	6	6	6	6
Customer #229	DE	5	2	77	77	77	77	77	77	77	77	77	77	77	77	77
Customer #230	DE	4	1	21	6	0	0	0	0	0	0	5	0	16	64	64
Customer #231	DE	6	2	210	161	29	0	38	195	199	181	175	172	104	104	104

Chesapeake Utilities Corporation Delaware Division
Capacity Release Credit Calculation

Customer Name (Utilicis)	Division	DFA	Zone	30	31	31	28	31	30	31	30	31	31	30	31
				Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Customer #232	DE	6	2	24	27	11	1	11	13	11	12	12	16	17	17
Customer #233	DE	5	2	20	20	20	20	20	20	20	20	20	20	20	20
Customer #234	DE	5	2	34	34	34	34	34	34	34	31	31	31	31	31
Customer #235	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #236	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #237	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #238	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #239	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #240	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #241	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #242	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #243	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #244	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #245	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #246	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #247	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #248	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #249	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #250	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #251	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #252	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #253	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #254	DE	6	2	12	2	1	0	0	0	0	0	0	0	32	84
Customer #255	DE	5	2	251	251	242	242	242	242	242	242	242	242	242	242
Customer #256	DE	4	1	133	133	133	133	133	133	133	133	128	128	128	128
Customer #257	DE	4	1	6	6	6	6	6	6	6	6	6	6	6	6
Customer #258	DE	14	2	223	223	223	223	223	223	223	223	223	223	223	223
Customer #259	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #260	DE	5	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #261	DE	5	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #262	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #263	DE	5	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #264	DE	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #265	DE	5	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #266	DE	5	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #267	DE	14	2	93	93	93	93	93	93	93	93	93	93	93	93
Customer #268	DE	4	1	15	14	14	14	14	14	14	14	14	14	14	14
Customer #269	DE	8	2	519	657	738	782	658	524	346	309	289	226	287	339
Customer #270	DE	8	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #271	DE	15	2	33	33	33	33	33	33	33	33	33	33	33	33
Customer #272	DE	9	2	20	2	3	0	0	0	0	0	0	0	227	150
Customer #273	DE	8	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #274	DE	8	2	53	53	53	53	53	53	53	53	53	53	53	53
Customer #275	DE	8	2	68	20	2	4	3	0	0	1	1	1	306	268
Customer #276	DE	11	2	44	40	40	40	40	40	40	40	40	40	40	40
Customer #277	DE	8	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #278	DE	8	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #279	DE	8	2	15	15	15	15	15	15	15	15	15	15	15	15
Customer #280	DE	8	2	33	33	33	33	33	33	33	33	33	33	33	33
Customer #281	DE	8	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #282	DE	8	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #283	DE	8	2	124	124	124	124	124	124	124	124	124	124	124	124
Customer #284	DE	8	2	11	11	11	11	11	11	11	11	11	11	11	11
Customer #285	DE	8	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #286	DE	8	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #287	DE	8	2	34	34	34	34	34	34	34	34	34	34	34	34
Customer #288	DE	8	2	150	141	141	141	141	141	141	141	141	141	141	141
Customer #289	DE	8	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #290	DE	11	2	49	49	49	49	49	49	49	49	49	49	49	49
Customer #291	DE	8	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #292	DE	8	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #293	DE	8	2	27	27	27	27	27	27	27	27	27	27	27	27
Customer #294	DE	8	2	30	30	30	30	30	30	30	30	30	30	30	30
Customer #295	DE	7	2	24	24	24	24	24	24	24	24	24	24	24	24
Customer #296	DE	11	2	88	88	88	88	88	88	88	88	88	87	87	87
Customer #297	DE	15	2	250	271	271	271	271	271	271	271	271	271	271	271
Customer #298	DE	9	2	104	111	111	111	111	111	111	111	111	111	111	111
Customer #299	DE	9	2	21	22	22	22	22	22	22	22	22	22	22	22
Customer #300	DE	8	2	142	171	171	171	171	171	171	171	171	171	171	171
Customer #301	DE	8	2	155	131	131	131	131	131	131	131	131	131	131	131
Customer #302	DE	15	2	31	31	31	31	31	31	29	29	29	29	29	29
Customer #303	DE	15	2	7	7	7	7	7	7	7	7	7	7	7	7
Customer #304	DE	15	2	38	38	38	38	38	38	38	38	38	38	38	38
Customer #305	DE	15	2	11	11	11	11	11	11	11	11	11	11	11	11
Customer #306	DE	15	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #307	DE	15	2	8	8	8	8	8	8	8	8	8	8	8	8
Customer #308	DE	15	2	5	5	5	5	5	5	5	5	5	5	5	5

Chesapeake Utilities Corporation Delaware Division
Capacity Release Credit Calculation

Customer Name (Utilicis)	Division	DFA	Zone	30	31	31	28	31	30	31	30	31	31	30	31
				Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Customer #309	DE	15	2	18	18	18	18	18	18	18	18	18	18	18	18
Customer #310	DE	15	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #311	DE	15	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #312	DE	15	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #313	DE	15	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #314	DE	15	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #315	DE	15	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #316	DE	15	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #317	DE	5	2	20	20	20	20	20	20	20	20	20	20	20	20
Customer #318	DE	15	2	16	16	16	16	16	16	16	16	16	15	15	15
Customer #319	DE	15	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #320	DE	15	2	2181	2181	2181	2181	2181	2181	2181	2181	2181	2181	2181	2181
Customer #321	DE	15	2	113	113	113	113	113	113	113	113	113	113	113	113
Customer #322	DE	15	2	399	399	399	399	399	399	399	399	399	399	399	399
Customer #323	DE	15	2	613	613	613	613	613	613	613	613	613	613	613	613
Customer #324	DE	11	2	370	370	370	370	370	370	370	370	370	370	370	370
Customer #325	DE	9	2	25	9	3	2	3	2	1	0	0	6	181	187
Customer #326	DE	9	2	212	253	248	248	248	248	248	248	248	248	248	248
Customer #327	DE	9	2	1	2	3	3	3	3	3	3	3	3	3	3
Customer #328	DE	9	2	2	0	0	0	0	0	0	0	0	0	85	106
Customer #329	DE	14	2	152	152	152	152	152	152	152	152	152	152	152	152
Customer #330	DE	14	2	10	10	10	10	10	10	10	10	10	10	10	10
Customer #331	DE	14	2	25	25	25	25	25	25	25	25	25	25	25	25
Customer #332	DE	15	2	53	53	53	53	53	53	53	53	53	53	53	53
Customer #333	DE	15	2	446	446	446	446	446	446	446	446	446	446	446	446
Customer #334	DE	14	2	272	272	270	270	270	270	270	270	270	270	270	270
Customer #335	DE	14	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #336	DE	14	2	247	247	247	247	247	247	247	247	247	247	247	247
Customer #337	DE	14	2	83	83	83	83	83	83	83	83	80	80	80	80
Customer #338	DE	8	2	160	160	160	160	160	160	160	160	160	160	160	160
Customer #339	DE	8	2	55	55	55	55	55	55	55	55	55	55	55	55
Customer #340	DE	14	2	322	322	322	322	322	322	322	322	322	322	322	322
Customer #341	DE	14	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #342	DE	14	2	8	8	8	8	8	8	8	8	8	8	8	8
Customer #343	DE	14	2	9	9	9	9	9	9	9	9	9	9	9	9
Customer #344	DE	15	2	9	9	9	9	9	9	9	9	9	9	9	9
Customer #345	DE	15	2	11	11	11	11	11	11	11	11	11	11	11	11
Customer #346	DE	15	2	22	22	22	22	22	22	22	22	22	22	22	22
Customer #347	DE	15	2	6	6	6	6	6	6	6	6	6	6	6	6
Customer #348	DE	15	2	7	7	7	7	7	7	7	7	7	7	7	7
Customer #349	DE	15	2	7	7	7	7	7	7	7	7	7	7	7	7
Customer #350	DE	15	2	37	37	37	37	37	37	37	37	37	37	37	37
Customer #351	DE	15	2	24	24	24	24	24	24	24	24	24	24	24	24
Customer #352	DE	15	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #353	DE	15	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #354	DE	15	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #355	DE	15	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #356	DE	15	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #357	DE	15	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #358	DE	15	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #359	DE	15	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #360	DE	15	2	17	17	17	17	17	17	17	17	17	17	17	17
Customer #361	DE	15	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #362	DE	15	2	17	17	17	17	17	17	17	17	17	17	17	17
Customer #363	DE	15	2	13	13	13	13	13	13	13	13	13	13	13	13
Customer #364	DE	15	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #365	DE	15	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #366	DE	15	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #367	DE	15	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #368	DE	15	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #369	DE	15	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #370	DE	9	2	25	25	25	25	25	25	25	25	25	25	25	25
Customer #371	DE	11	2	35	35	35	35	35	35	35	35	35	35	35	35
Customer #372	DE	11	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #373	DE	11	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #374	DE	14	2	53	0	0	0	80	100	121	141	137	137	125	120
Customer #375	DE	15	2	5	5	5	5	5	5	5	5	5	5	5	5
Customer #376	DE	15	2	42	42	42	42	42	42	42	42	42	42	42	42
Customer #377	DE	15	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #378	DE	15	2	32	32	32	32	32	32	32	32	32	32	32	32
Customer #379	DE	15	2	64	64	64	64	64	64	64	64	64	64	64	64
Customer #380	DE	15	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #381	DE	15	2	9	9	9	9	9	9	9	9	9	9	9	9
Customer #382	DE	15	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #383	DE	15	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #384	DE	15	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #385	DE	15	2	5	5	5	5	5	5	5	5	5	5	5	5

Chesapeake Utilities Corporation Delaware Division
Capacity Release Credit Calculation

Customer Name (Utilicis)	Division	DFA	Zone	30	31	31	28	31	30	31	30	31	31	30	31
				Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Customer #386	DE	15	2	4	4	4	4	4	4	4	4	4	4	4	4
Customer #387	DE	14	2	11	11	11	11	11	11	11	11	11	11	11	11
Customer #388	DE	14	2	13	13	13	13	13	13	13	13	13	13	13	13
Customer #389	DE	5	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #390	DE	7	2	174	174	174	174	179	179	179	179	179	179	179	179
Customer #391	DE	7	2	20	20	20	20	20	20	20	20	20	20	20	20
Customer #392	DE	7	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #393	DE	9	2	20	20	20	20	20	20	20	20	20	20	20	20
Customer #394	DE	9	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #395	DE	15	2	17	17	17	17	17	17	17	17	17	17	17	17
Customer #396	DE	14	2	2	0	0	0	0	0	0	0	0	1	26	26
Customer #397	DE	15	2	26	26	26	26	26	26	26	26	26	26	26	26
Customer #398	DE	9	2	152	152	152	152	152	152	152	152	152	152	173	173
Customer #399	DE	15	2	34	34	34	34	34	34	34	34	34	28	28	28
Customer #400	DE	15	2	16	16	16	16	16	16	16	16	16	16	16	16
Customer #401	DE	9	2	169	169	169	169	169	169	169	169	183	183	183	183
Customer #402	DE	9	2	12	12	12	12	12	12	12	12	11	11	11	11
Customer #403	DE	7	2	17	17	17	17	17	17	17	17	17	17	17	17
Customer #404	DE	7	2	1	1	1	1	1	1	1	1	1	1	1	1
Customer #405	DE	7	2	3	3	3	3	3	3	3	3	3	3	3	3
Customer #406	DE	6	2	25	25	25	25	25	25	25	25	25	25	25	25
Customer #407	DE	6	2	26	26	26	26	26	26	26	26	26	26	26	26
Customer #408	DE	6	2	34	34	34	34	34	34	34	34	34	34	34	34
Customer #409	DE	15	2	225	225	225	225	225	225	225	225	225	225	225	225
Customer #410	DE	15	2	20	20	20	20	20	20	20	20	19	19	19	19
Customer #411	DE	15	2	168	168	168	168	168	168	126	126	126	126	126	126
Customer #412	DE	15	2	33	33	33	33	33	33	33	33	33	33	33	33
Customer #413	DE	9	2	18	18	18	18	18	18	18	18	18	18	18	18
Customer #414	DE	9	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #415	DE	9	2	10	10	10	10	10	10	10	10	10	10	10	10
Customer #416	DE	9	2	19	19	19	19	19	19	19	19	19	19	19	19
Customer #417	DE	9	2	6	6	6	6	6	6	6	6	6	6	6	6
Customer #418	DE	9	2	2	2	2	2	2	2	2	2	2	2	2	2
Customer #419	DE	9	2	0	0	0	0	0	0	0	0	0	0	0	0
Customer #420	DE	8	2	14	14	14	14	14	14	14	14	14	14	14	14
Customer #421	DE	15	2	14	14	14	14	14	14	14	14	14	14	14	14
			1												
			1												

DE		19,164	19,068	18,892	18,914	18,926	19,006	18,734	18,892	18,799	18,859	19,091	18,450
Zone	1	1,164	1,148	1,140	1,140	1,140	1,140	1,140	1,140	1,140	1,135	1,106	1,006
Zone	2	18,000	17,920	17,752	17,774	17,786	17,866	17,594	17,752	17,659	17,724	17,985	17,444
		19,164	19,068	18,892	18,914	18,926	19,006	18,734	18,892	18,799	18,859	19,091	18,450

ESNG Max Rate		Z1	\$ 0.3705	\$ 12,937.86	\$ 13,185.35	\$ 13,093.47	\$ 11,826.36	\$ 13,093.47	\$ 12,671.10	\$ 13,093.47	\$ 12,671.10	\$ 13,093.47	\$ 13,036.04	\$ 12,293.19	\$ 11,554.41
		Z2	\$ 0.8276	\$ 446,904.00	\$ 459,748.35	\$ 455,438.21	\$ 411,873.35	\$ 456,310.50	\$ 443,577.05	\$ 451,384.63	\$ 440,746.66	\$ 453,052.24	\$ 454,719.85	\$ 446,531.58	\$ 447,536.29
TOTAL ESNG Capacity Credits				\$ 459,841.86	\$ 472,933.71	\$ 468,531.68	\$ 423,699.71	\$ 469,403.97	\$ 456,248.15	\$ 464,478.10	\$ 453,417.76	\$ 466,145.71	\$ 467,755.90	\$ 458,824.77	\$ 459,090.70

Z1	DCQ	645	912	1,069	1,104	893	517	251	179	168	177	239	320
Z2	DCQ	12,875	14,978	16,158	16,388	14,562	12,762	10,344	10,392	9,286	9,456	11,093	11,940
		13,520	15,890	17,227	17,492	15,455	13,279	10,595	10,571	9,454	9,633	11,332	12,260

TOTAL ESNG Comodity Credits		Z1	\$ 0.0201	\$ 388.94	\$ 568.27	\$ 666.09	\$ 621.33	\$ 556.43	\$ 311.75	\$ 156.40	\$ 107.94	\$ 104.68	\$ 110.29	\$ 144.12	\$ 199.39
		Z2	\$ 0.0388	\$ 14,986.50	\$ 18,015.54	\$ 19,434.84	\$ 17,803.92	\$ 17,515.17	\$ 14,854.97	\$ 12,441.76	\$ 12,096.29	\$ 11,169.20	\$ 11,373.68	\$ 12,912.25	\$ 14,361.43
				\$ 15,375.44	\$ 18,583.81	\$ 20,100.94	\$ 18,425.25	\$ 18,071.60	\$ 15,166.72	\$ 12,598.16	\$ 12,204.23	\$ 11,273.88	\$ 11,483.97	\$ 13,056.37	\$ 14,560.82

TOTAL ESNG CREDIT				\$ 475,217.30	\$ 491,517.51	\$ 488,632.62	\$ 442,124.96	\$ 487,475.57	\$ 471,414.87	\$ 477,076.26	\$ 465,621.98	\$ 477,419.59	\$ 479,239.86	\$ 471,881.14	\$ 473,651.52
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Chesapeake Utilities Corporation
Delaware Division
Cost of Fixed and Variable Gas Supply Resources
Based on Projected November 1, 2023 Gas Costs
Transportation Balancing Services

Description	Monthly Demand in DT	Annual Demand in DT	Average Monthly Rate / DT	Average Annual Rate / DT	Current Annualized Gas Cost
Storage Demand					
Columbia					
FSS (includes assoc. SST)	8,224	98,688	\$10.3731	\$124.4773	\$1,023,701
Transco					
GSS	2,655	31,860	\$3.6737	\$44.0846	\$117,045
LSS	580	6,960	\$5.6853	\$68.2235	\$39,570
WSS (includes assoc. FT)	1,503	18,036	\$8.0024	\$96.0282	\$144,330
ESS (includes assoc. FT)	3,776	45,312	\$12.1200	\$145.4405	\$549,183
PS Reservation	311	3,732	\$8.4101	\$100.9207	\$31,386
Fuel Retention (0.0%)	0	0			
ESNG Reservation					
MDTQ (GSS 365 Day, ESS 243 Day)	6,431	77,172	\$24.3384	\$292.0606	\$1,878,242
MDTQ 181 Day (FSS)	8,224	49,344	\$48.6789	\$292.0732	\$2,402,010
MDTQ 151 Day (LSS, WSS)	2,083	10,415	\$58.4126	\$292.0629	\$608,367
MDTQ 90 Day (PS)	311	933	\$97.2937	\$291.8810	\$90,775
Storage Demand	17,049	204,588	\$33.6511	\$403.8131	\$6,884,609
Storage Capacity					
Columbia					
FSS	472,250	5,667,000	\$0.0513	\$0.6156	\$290,717
Transco					
GSS	131,370	1,576,440	\$0.0259	\$0.3102	\$40,756
LSS	29,000	348,000	\$0.0265	\$0.3176	\$9,209
WSS	142,830	1,713,960	\$0.0100	\$0.1204	\$17,202
ESS	31,660	379,920	\$0.1052	\$1.2629	\$39,982
Storage Capacity	807,110	9,685,320	\$0.0411	\$0.4930	\$397,866
Storage Demand & Capacity					
Columbia					
FSS	8,224	98,688	\$13.3189	\$159.8271	\$1,314,418
Transco					
GSS	2,655	31,860	\$4.9529	\$59.4352	\$157,801
LSS	580	6,960	\$7.0084	\$84.1011	\$48,779
WSS	1,503	18,036	\$8.9561	\$107.4733	\$161,532
ESS	3,776	45,312	\$13.0024	\$156.0290	\$589,165
PS Reservation	311	3,732	\$8.4101	\$100.9207	\$31,386
Fuel Retention (0.0%)	0	0			
ESNG Reservation					
MDTQ 365 Day (GSS, ESS)	6,431	77,172	\$24.3384	\$292.0606	\$1,878,242
MDTQ 181 Day (FSS)	8,224	49,344	\$48.6789	\$292.0732	\$2,402,010
MDTQ 151 Day (LSS, WSS)	2,083	10,415	\$58.4126	\$292.0629	\$608,367
MDTQ 90 Day (PS)	311	933	\$97.2937	\$291.8810	\$90,775
Storage Demand & Capacity	17,049	204,588	\$35.5958	\$427.1497	\$7,282,475
Summary Storage Demand & Capacity	17,049			\$427.1497	\$7,282,475
Propane Peak Shaving	6,010			\$0.2561	\$1,539
Design Day FT Capacity Requirements	26,384			\$449.0990	\$11,848,943
Fixed Gas Supply Resources	49,442			\$386.9746	\$19,132,957
Storage Injection & Withdrawal					
GSS	262,740	n/a	\$0.0604	n/a	\$15,867
LSS	58,000	n/a	\$0.0476	n/a	\$2,760
WSS	285,660	n/a	\$0.0044	n/a	\$1,257
ESS	63,320	n/a	\$0.0500	n/a	\$3,169
FSS	944,500	n/a	\$0.0153	n/a	\$14,451
Variable Gas Supply Resources	1,614,220	n/a	\$0.0232	n/a	\$37,504
Half of Variable Rate For Either Injection or Withdrawal			\$0.0116		

Chesapeake Utilities Corporation
Delaware Division
Development of Gas Sales Service Rates Effective November 1, 2023
Balancing Rate Credit for Transportation Customers

Rate Class	Projected Nov-23	Projected Dec-23	Projected Jan-24	Projected Feb-24	Projected Mar-24	Projected Apr-24	Projected May-24	Projected Jun-24	Projected Jul-24	Projected Aug-24	Projected Sep-24	Projected Oct-24	Total
General Service: Volumes - Mcf	1,260	2,287	3,177	2,358	2,434	1,058	925	670	546	465	581	898	16,657
Medium Volume Service: Volumes - Mcf	6,717	11,500	14,738	11,648	11,984	4,982	3,279	1,734	1,312	1,290	1,723	4,297	75,203
Large Volume Service: Volumes - Mcf	83,622	140,939	165,472	134,410	135,570	58,776	44,291	35,791	25,568	25,168	50,490	77,217	977,314
High Load Factor Service: Volumes - Mcf	265,678	323,627	309,212	265,545	278,933	239,708	244,905	256,256	245,305	256,145	260,035	270,980	3,216,329
Interruptible Service: Volumes - Mcf	25,912	33,801	30,649	26,433	27,212	20,035	18,130	23,663	22,721	19,887	23,718	20,612	292,772
Total Transportation Volume - Mcf													4,578,275

Rate Class	Recovered \$ By Rate Class	Marlin Capacity Reservation Recovery per Mcf
0.3638%	248	\$ 0.01489
1.6426%	1,120	0.01489
21.3468%	14,555	0.01489
70.2520%	47,900	\$ 0.01489
6.3948%	4,360	\$ 0.01489
100.0000%	\$ 68,182.52	

Total Firm Sales Volume - Mcf	5,493,826
Total Volume Firm Sales and Transportation - Mcf	10,072,102
Transportation Percentage of Total Volume	45.4550%

	Monthly Cost	Annual Cost	Transportation % of Total Volume	Transportation Share of Costs	Total to be Recovered
Marlin Capacity Reservation	\$12,500	\$150,000	45.46%	\$68,183	\$68,183
TOTAL					\$68,183

**Chesapeake Utilities Corporation
Delaware Division
Transportation Balancing Services
Development of Interruptible Balancing Service Rate
General Service Transportation Service**

Fixed Gas Supply Cost	Annual Load Factor	Average Daily Load	Cost Per Gas Supply Entitlement	Average Cost per DT	Average Cost @ Use of 45.62%
@ Load Factor of	10%	37	\$386.9746	\$10.4588	
@ Load Factor of	20%	73	\$386.9746	\$5.3010	
@ Load Factor of	30%	110	\$386.9746	\$3.5180	
@ Load Factor of	40%	146	\$386.9746	\$2.6505	
@ Load Factor of	50%	183	\$386.9746	\$2.1146	
@ Load Factor of	60%	219	\$386.9746	\$1.7670	
@ Load Factor of	70%	256	\$386.9746	\$1.5116	
@ Load Factor of	80%	292	\$386.9746	\$1.3253	
@ Load Factor of	90%	329	\$386.9746	\$1.1762	
@ Load Factor of	100%	365	\$386.9746	\$1.0602	
Del. Div. Weighted Average	22.79%	83	\$386.9746	\$4.6623	\$2.1267

Variable Gas Supply Cost			Average Cost per DT	Estimated Imbalance Percentage	Variable Cost per DT
Variable Commodity Rate			\$0.0116	35.43%	\$0.0041

Development of Interruptible Balancing Service Rate				
	Fixed Capacity Rate per DT		\$2.1267	
	Variable Commodity Rate per DT		\$0.0041	
	Balancing Service Rate per DT		\$2.1308	
	Balancing Service Rate per Mcf		\$2.2054	
	<i>Marlin Capacity Reservation Recovery per Mcf</i>		\$0.0149	
	Total Balancing Service Rate per Mcf		\$2.2203	
	Total Balancing Service Rate per Ccf		\$0.222	

Chesapeake Utilities Corporation
Delaware Division
Transportation Balancing Services
Development of Firm Balancing Service Rate
Medium Volume Service

Fixed Gas Supply Cost	Annual Load Factor	Average Daily Load	Cost Per Gas Supply Entitlement	Average Cost per DT	Average Cost 47.57% Design Day
@ Load Factor of	10%	37	\$386.9746	\$10.4588	\$4.9758
@ Load Factor of	20%	73	\$386.9746	\$5.3010	\$2.5219
@ Load Factor of	30%	110	\$386.9746	\$3.5180	\$1.6737
@ Load Factor of	40%	146	\$386.9746	\$2.6505	\$1.2610
@ Load Factor of	50%	183	\$386.9746	\$2.1146	\$1.0060
@ Load Factor of	60%	219	\$386.9746	\$1.7670	\$0.8406
@ Load Factor of	70%	256	\$386.9746	\$1.5116	\$0.7191
@ Load Factor of	80%	292	\$386.9746	\$1.3253	\$0.6305
@ Load Factor of	90%	329	\$386.9746	\$1.1762	\$0.5596
@ Load Factor of	100%	365	\$386.9746	\$1.0602	\$0.5044
Del. Div. Weighted Average	20.61%	75	\$386.9746	\$5.1597	\$2.4547

Variable Gas Supply Cost			Average Cost per DT	Estimated Imbalance Percentage	Variable Cost per DT
Variable Commodity Rate			\$0.0116	41.43%	\$0.0048

Development of Firm Balancing Service Rate			
	Fixed Capacity Rate per DT		\$2.4547
	Variable Commodity Rate per DT		\$0.0048
	Firm Balancing Service Rate per DT		\$2.4595
	Balancing Service Rate per Mcf		\$2.5456
	<i>Marlin Capacity Reservation Recovery per Mcf</i>		\$0.0149
	Total Balancing Service Rate per Mcf		\$2.5605
	Total Firm Balancing Service Rate per Ccf		\$0.256

**Chesapeake Utilities Corporation
Delaware Division
Transportation Balancing Services
Development of Firm Balancing Service Rate
Large Volume Service**

Fixed Gas Supply Cost	Annual Load Factor	Average Daily Load	Cost Per Gas Supply Entitlement	Average Cost per DT	Average Cost 45.18% Design Day
@ Load Factor of	10%	37	\$386.9746	\$10.4588	\$4.7251
@ Load Factor of	20%	73	\$386.9746	\$5.3010	\$2.3949
@ Load Factor of	30%	110	\$386.9746	\$3.5180	\$1.5894
@ Load Factor of	40%	146	\$386.9746	\$2.6505	\$1.1974
@ Load Factor of	50%	183	\$386.9746	\$2.1146	\$0.9553
@ Load Factor of	60%	219	\$386.9746	\$1.7670	\$0.7983
@ Load Factor of	70%	256	\$386.9746	\$1.5116	\$0.6829
@ Load Factor of	80%	292	\$386.9746	\$1.3253	\$0.5987
@ Load Factor of	90%	329	\$386.9746	\$1.1762	\$0.5314
@ Load Factor of	100%	365	\$386.9746	\$1.0602	\$0.4790
Del. Div. Weighted Average	24.36%	89	\$386.9746	\$4.3480	\$1.9643

Variable Gas Supply Cost			Average Cost per DT	Estimated Imbalance Percentage	Variable Cost per DT
Variable Commodity Rate			\$0.0116	33.52%	\$0.0039

Development of Firm Balancing Service Rate			
Fixed Capacity Rate per DT		\$1.9643	
Variable Commodity Rate per DT		\$0.0039	
Firm Balancing Service Rate per DT		\$1.9682	
Balancing Service Rate per Mcf		\$2.0371	
<i>Marlin Capacity Reservation Recovery per Mcf</i>		\$0.0149	
Total Balancing Service Rate per Mcf		\$2.0520	
Total Firm Balancing Service Rate per Ccf		\$0.205	

**Chesapeake Utilities Corporation
Delaware Division
Transportation Balancing Services
Development of Firm Balancing Service Rate
High Load Factor Service**

Fixed Gas Supply Cost	Annual Load Factor	Average Daily Load	Cost Per Gas Supply Entitlement	Average Cost per DT	Average Cost 18.67% Design Day
@ Load Factor of	10%	37	\$386.9746	\$10.4588	\$1.9527
@ Load Factor of	20%	73	\$386.9746	\$5.3010	\$0.9897
@ Load Factor of	30%	110	\$386.9746	\$3.5180	\$0.6568
@ Load Factor of	40%	146	\$386.9746	\$2.6505	\$0.4948
@ Load Factor of	50%	183	\$386.9746	\$2.1146	\$0.3948
@ Load Factor of	60%	219	\$386.9746	\$1.7670	\$0.3299
@ Load Factor of	70%	256	\$386.9746	\$1.5116	\$0.2822
@ Load Factor of	80%	292	\$386.9746	\$1.3253	\$0.2474
@ Load Factor of	90%	329	\$386.9746	\$1.1762	\$0.2196
@ Load Factor of	100%	365	\$386.9746	\$1.0602	\$0.1979
Del. Div. Weighted Average	51.09%	186	\$386.9746	\$2.0805	\$0.3884

Variable Gas Supply Cost			Average Cost per DT	Estimated Imbalance Percentage	Variable Cost per DT
Variable Commodity Rate			\$0.0116	4.86%	\$0.0006

Development of Firm Balancing Service Rate			
	Fixed Capacity Rate per DT	\$0.3884	
	Variable Commodity Rate per DT	\$0.0006	
	Firm Balancing Service Rate per DT	\$0.3890	
	Balancing Service Rate per Mcf	\$0.4026	
	Marlin Capacity Reservation Recovery per Mcf	\$0.0149	
	Total Balancing Service Rate per Mcf	\$0.4175	
	Total Firm Balancing Service Rate per Ccf	\$0.042	

**Chesapeake Utilities Corporation
Delaware Division
Transportation Balancing Services
Development of Interruptible Balancing Service Rate
Interruptible Transportation Service**

Fixed Gas Supply Cost	Annual Load Factor	Average Daily Load	Cost Per Gas Supply Entitlement	Average Cost per DT	Average Cost @ Use of 1.00%
@ Load Factor of	10%	37	\$386.9746	\$10.4588	
@ Load Factor of	20%	73	\$386.9746	\$5.3010	
@ Load Factor of	30%	110	\$386.9746	\$3.5180	
@ Load Factor of	40%	146	\$386.9746	\$2.6505	
@ Load Factor of	50%	183	\$386.9746	\$2.1146	
@ Load Factor of	60%	219	\$386.9746	\$1.7670	
@ Load Factor of	70%	256	\$386.9746	\$1.5116	
@ Load Factor of	80%	292	\$386.9746	\$1.3253	
@ Load Factor of	90%	329	\$386.9746	\$1.1762	
@ Load Factor of	100%	365	\$386.9746	\$1.0602	
Interruptible @ 100% LFR	100.00%	365	\$386.9746	\$1.0602	\$0.0106

Variable Gas Supply Cost			Average Cost per DT	Estimated Imbalance Percentage	Variable Cost per DT
Variable Commodity Rate			\$0.0116	13.93%	\$0.0016

Development of Interruptible Balancing Service Rate		
Fixed Capacity Rate per DT		\$0.0106
Variable Commodity Rate per DT		\$0.0016
Balancing Service Rate per DT		\$0.0122
Balancing Service Rate per Mcf		\$0.0126
Marlin Capacity Reservation Recovery per Mcf		\$0.0149
Total Balancing Service Rate per Mcf		\$0.0275
Total Balancing Service Rate per Ccf		\$0.003

Chesapeake Utilities Corporation
Delaware Division
Gas Supply Resources
Demand and Capacity Entitlements effective November 2022 & November 2023
(DT)

Transcontinental Gas Pipeline Corporation			
		2022	2023
FT, MDQ	*	21,112	21,112
PS-1 FT, MDQ	*	311	311
GSS, MDQ **	*	2,655	2,655
LSS, MDQ **	*	580	580
LGA, MDQ **	*	-	-
GSS, Capacity		131,370	131,370
LSS, Capacity		29,000	29,000
LGA, Capacity		-	-
WSS, Demand		1,503	1,503
WSS, Capacity		142,830	142,830
ESS, Demand		3,776	3,776
ESS, Capacity		31,660	31,660
Columbia Gas Transmission Corporation			
		2022	2023
FTS, MDQ	*	3,460	3,460
SST, MDQ, Oct - Mar		8,224	8,224
SST, MDQ, Apr - Sep		4,113	4,113
FSS, MDQ	*	8,224	8,224
FSS, Capacity		472,250	472,250
Texas Eastern Transmission Company			
		2022	2023
FT-1	*	39,100	39,100
Eastern Shore Natural Gas Company			
		2022	2023
FT, MDQ - R1		59,900	67,200
FT, MDQ - R2	*	90,476	97,776
ST, MDQ - R2	*	5,081	5,081
FT, MDQ - D1		20,089	20,089
ST, MDQ - D1		400	400
FT, MDQ - D2		70,387	77,687
ST, MDQ - D2		4,681	4,681
FT, MDQ - D3		-	-
ST, MDQ - D3		-	-
Capacity Release (R1-D2)		-	-
Chesapeake Utilities Corporation - Delaware Division			
		2022	2023
Propane Peak Shaving Facilities	*	6,010	6,010
Temporary LNG Peak Shaving Service		-	-

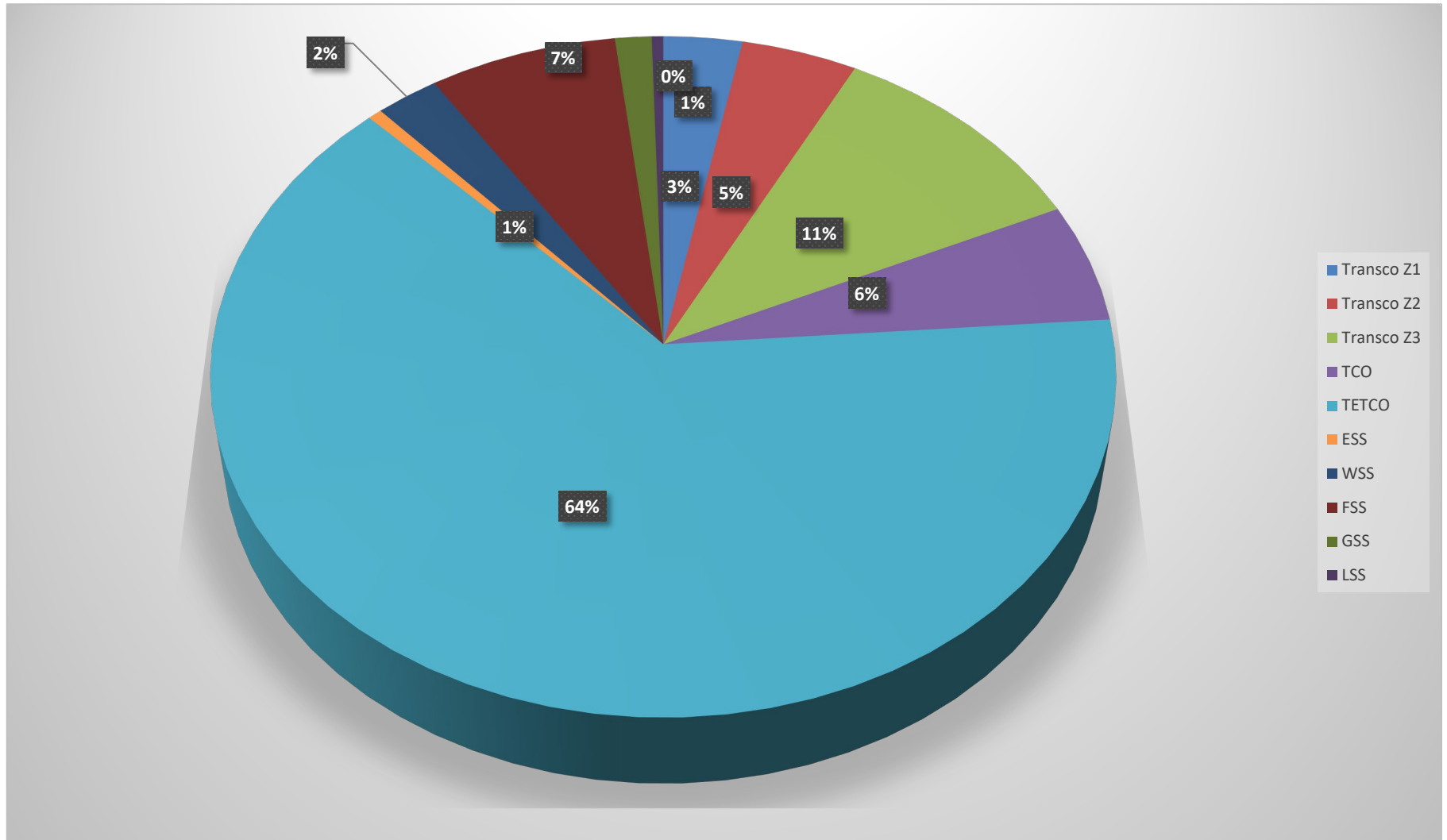
MDQ = Maximum Daily Quantity

*** Design Day Deliverability**

**** Storage Service Contracted with ESNG**

DELAWARE DIVISION LOAD AND SUPPLY

2023 - 2024 Forecast Year

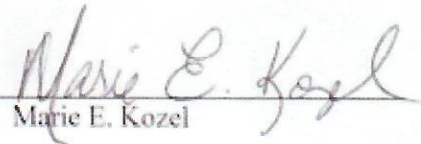


DATED: AUGUST 31, 2023


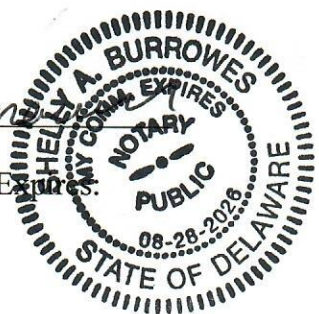
STATE OF DELAWARE)
)
COUNTY OF KENT)

AFFIDAVIT OF MARIE E. KOZEL

MARIE E. KOZEL, being first duly sworn according to law, on oath deposes and says that she is the witness whose testimony appears as "Chesapeake Utilities Corporation, Delaware Division, Direct Testimony of Marie E. Kozel"; that, if asked the questions which appear in the text of the direct testimony, she would give the answers that are therein set forth; and that she adopts this testimony as her sworn direct testimony in these proceedings.


Marie E. Kozel

Then personally appeared this 31st day of August 2023 the above-named Marie E. Kozel and acknowledged the foregoing Testimony to be his free act and deed. Before me,


Notary Public
My Commission Expires


BEFORE THE DELAWARE PUBLIC SERVICE COMMISSION

IN THE MATTER OF THE APPLICATION OF)
CHESAPEAKE UTILITIES CORPORATION)
FOR APPROVAL OF A CHANGE IN ITS) P.S.C. DOCKET NO. 23-
GAS SALES SERVICE RATES (“GSR”))
TO BE EFFECTIVE NOVEMBER 1, 2023)
(FILED AUGUST 31, 2023))

DIRECT TESTIMONY OF WILLIAM R. KRISS

On Behalf of Chesapeake Utilities Corporation

Delaware Division

Submitted for filing: August 31, 2023

1 Q. PLEASE STATE YOUR NAME, OCCUPATION AND BUSINESS
2 ADDRESS.

3 A. My name is William R. Kriss, and I am the Energy Logistics Manager for
4 Chesapeake Utilities Corporation (“Chesapeake” or the “Company”). My
5 business address is 500 Energy Lane, Suite 100, Dover, Delaware 19901.

6

7 Q. DESCRIBE BRIEFLY YOUR EDUCATION AND RELEVANT
8 PROFESSIONAL BACKGROUND.

9 A. I received a Bachelor of Science Degree in Operations Management with a
10 minor in Economics from the University of Delaware in Newark, Delaware
11 and a Masters of Business Administration concentrated in Finance from
12 Wilmington University in Wilmington, Delaware. I was hired by Chesapeake
13 Utilities Corporation in December 2007 and have worked in various gas
14 supply roles since. My current responsibilities are inclusive of all matters
15 associated with gas supply and its procurement for Chesapeake Utilities
16 Corporation. Prior to joining Chesapeake, my experience included auditing
17 of internal controls for the purpose of Sarbanes Oxley compliance with
18 Wilmington Trust Corporation in Wilmington, Delaware, as well as
19 investment accounting with PFPC, a wholly-owned subsidiary of PNC Bank.

1 Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY IN THIS
2 PROCEEDING?

3 A. The purpose of my direct testimony in this GSR application is to provide
4 support for the gas costs used in the calculation of the Delaware Division's
5 three proposed Gas Sales Service Rates to be effective with service
6 rendered on and after November 1, 2023. My direct testimony will also
7 discuss the Company's gas supply and procurement activities as required
8 by Commission Order No. 4767 issued on April 14, 1998 in the Company's
9 Gas Sales Service Rate filing in Docket No. 97-294F.

10

11 Q. ARE THERE ANY SCHEDULES INCLUDED WITH YOUR DIRECT
12 TESTIMONY?

13 A. No. In my direct testimony, I will address Schedule L, which is a summary
14 of Chesapeake's demand and capacity entitlements to be effective
15 November 2023 and Schedule M, which is a chart of the Delaware
16 Division's load and supply projections for the upcoming determination
17 period. Both schedules are attached to the direct testimony of Marie E.
18 Kozel.

19

20 Q. WHAT PIPELINE SUPPLIERS ARE CURRENTLY PROVIDING
21 SERVICES TO THE DELAWARE DIVISION?

1 A. The Delaware Division is currently receiving a mix of transportation and
2 storage services from four interstate pipeline suppliers. These four pipeline
3 suppliers are Transcontinental Gas Pipe Line Company, LLC (“Transco”),
4 Columbia Gas Transmission, LLC (“Columbia”), Texas Eastern
5 Transmission, LP (“TETCO”) and Eastern Shore Natural Gas Company
6 (“ESNG”).

7

8 Q. WHAT WERE THE DELAWARE DIVISION’S CAPACITY ENTITLEMENTS
9 ON PIPELINES UPSTREAM OF ESNG DURING THE LAST WINTER
10 SEASON?

11 A. Schedule L represents the Delaware Division’s winter season upstream
12 capacity entitlements that were effective November 1 of 2022, and 2023.
13 The Company’s maximum daily upstream entitlements were 75,442 Dts/day
14 respectively.

15

16 Q. HAS THE DELAWARE DIVISION CHANGED ITS CAPACITY
17 ENTITLEMENTS ON ANY PIPELINES SINCE THE LAST GSR
18 PROCEEDING?

19 A. Yes, the Company is expecting the 7,300 dekatherms (dts) of additional
20 capacity on ESNG, as shown in the prior year’s supply plan to be in-service
21 during the 4th quarter of 2023 for the winter period.

22

1 Q. PLEASE PROVIDE INFORMATION ON CHESAPEAKE'S STORAGE
2 SERVICES.

3 A. Chesapeake contracts for several different storage services, which provides
4 flexibility to meet customer needs. Currently, the Company includes three
5 storage services in the Company's Asset Management Agreement ("AMA")
6 and contracts for two storage services on ESNG. The storages included in
7 the AMA are Transco's Washington Storage Service ("WSS") and
8 Eminence Storage Service ("ESS") and Columbia's Firm Storage Service
9 ("FSS"). At the beginning of the AMA, these storage balances were
10 reconciled and transferred to the control of the Asset Manager. The
11 Company designates quantities of gas to be injected or withdrawn from
12 these storage services. However, these quantities are understood to be
13 paper transactions which may differ from the actual storage activity at any
14 point in time since the AMA authorizes the Asset Manager, subject to the
15 Company's designation of storage and tariff limitations, to withdraw and
16 inject at its discretion. The Company retains the right to receive, on demand
17 at the delivery point, the quantity of gas that it has requested. On a monthly
18 basis, the paper balance for each storage service managed by the Asset
19 Manager is reconciled. Withdrawals from WSS are anticipated in the
20 monthly baseload calculation because Transco Firm Transportation ("FT")
21 capacity is utilized in order to flow WSS. The primary purpose of ESS is to
22 provide the Company a supply option during weather emergencies, such as

1 hurricanes, or other supply disruptions. It is the Company's policy to fill ESS
2 by August 1 each year in order to be in a position to mitigate supply
3 disruptions during hurricane season. As is the case with WSS, ESS
4 requires the use of FT capacity to be transported. Daily withdrawals from
5 FSS during the winter season are anticipated but are not typically
6 baseloaded. FSS is the Company's largest storage service and provides
7 greater flexibility in scheduling with regard to changes in weather and
8 unexpected fluctuations in demand. In addition, FSS flows on Storage
9 Service Transportation ("SST") contracts rather than utilizing FT contracts.
10 Injections for FSS are typically baseloaded. The two ESNG storage
11 services are General Storage Service ("GSS") and Leidy Storage Service
12 ("LSS"). GSS is a year-round storage service and provides the Company
13 swing capability throughout the year. LSS is a seasonal storage service,
14 meaning that injections can only be made April through October and
15 withdrawals are only available November through March. GSS and LSS
16 have transportation deliverability inherent in the services. No additional FT
17 is needed for injections or withdrawals. The Company tracks the storage
18 levels of each storage service closely, in order to comply with the provisions
19 established by each storage service Tariff and to ensure the adequacy of
20 storage supply.

21

1 Q. PLEASE PROVIDE A BRIEF DESCRIPTION OF THE COMPANY'S GAS
2 SUPPLY PROCUREMENT ACTIVITIES SINCE NOVEMBER 1, 2023.

3 A. The Company utilizes its Asset Manager for gas supply, procuring monthly
4 baseload and spot purchases pursuant to the terms of its AMA. It is
5 consistent with the Company's procurement practices to minimize its
6 exposure to the volatility of the daily market during the winter season;
7 therefore, most of the Company's gas supply costs during the winter months
8 are based on fixed prices that are set prior to the beginning of the delivery
9 month. The daily spot purchases referenced above are susceptible to daily
10 market volatility. However, due to the varying nature of the Company's
11 demand requirements, it is essential to have an element of spot supply to
12 ensure the Company has the flexibility to comply with pipeline tariffs and
13 operating requirements. Therefore, a mix of pricing mechanisms, including
14 commodity prices based on the published "Inside FERC" monthly index, the
15 published "Gas Daily" midpoint and "triggers" based on New York
16 Mercantile Exchange postings have been used to mitigate the impact of
17 market fluctuations on the commodity cost of gas during this period.
18 Effective July 12, 2007, the Company implemented the parameters
19 identified in the commodity procurement plan ("Plan") attached to the
20 settlement agreement in PSC Docket No. 06-287F and amended as part of
21 the settlement in Docket No. 09-398F. The parameters of the Plan dictate
22 that the Company will enter into physical transactions for natural gas for the

1 upcoming twelve-month period on the second Wednesday of each month.

2 The Company has followed the guidelines set forth in the Plan.

3 Q. PLEASE BRIEFLY EXPLAIN THE COMPANY'S RELATIONSHIP WITH
4 ITS ASSET MANAGER AND THE SERVICES THAT ARE PROVIDED.

5 A. Effective April 1, 2023, the Company entered into a new Asset Management
6 Agreement (AMA) with Sequent Energy Management (Sequent). Sequent
7 was the winning bidder resulting from the Request for Proposal (RFP)
8 process initiated by the Company in 2022. The term of the AMA is for three
9 (3) years expiring March 31, 2026. Chesapeake's Asset Manager provides
10 capacity management, as well as supply and dispatch scheduling on
11 pipelines upstream of ESNG, firm and interruptible gas supply, balancing of
12 supply resources, and monthly accounting and reporting of transactions.
13 The Company's firm customers benefit from the AMA, which provides the
14 Company with access to reliable and flexible supply alternatives in addition
15 to enhanced fixed cost recovery relating to the Company's transportation
16 and storage entitlements. The cost recovery achieved by the Company is
17 reflected as a credit on the monthly supply invoice that is submitted by the
18 Asset Manager.

19

20 Q. WHAT ARE THE DELAWARE DIVISION'S PLANS REGARDING GAS
21 SUPPLY FOR THE UPCOMING WINTER SEASON OF 2023-2024?

1 A. The Company has prepared demand projections for the upcoming winter
2 season. It expects to meet those demand projections with supply
3 purchases of baseload, daily spot, and storage service as negotiated within
4 its Asset Management Agreement. Approximately 50% of the winter's
5 expected firm sales requirements will have been procured utilizing the
6 Company's approved hedging program. Details of Chesapeake's winter
7 supply preparedness will be discussed further in the annually filed "Long-
8 Term Supply and Demand Strategic Plan".

9 Q. HAS CHESAPEAKE EVALUATED ANY ENVIRONMENTALLY
10 CONSCIOUS SOURCES OF NATURAL GAS SUPPLY OR RELATED
11 PRODUCTS?

12 A. Yes, the Company is actively exploring Renewable Natural Gas (RNG) and
13 other environmentally conscientious products such as Certified Responsibly
14 Sourced Gas, and Carbon Offsets.

15
16 Q. HAS CHESAPEAKE ENTERED INTO, OR PLANNING TO ENTER INTO,
17 ANY FUTURE UPSTREAM CONTRACTS?

18 A. The Company is in negotiations with TETCO for a project delivering 15,000
19 dekatherms (dts) per day with a planned in-service date of December 2027
20 continuing through December 2028 at which time the daily delivered volume
21 will increase to 25,000 dts beginning January 2029.

1

2

Furthermore, the Company has requested a FERC regulated project from

3

Eastern Shore Natural Gas (ESNG) to increase the deliverability within the

4

delivery point area 4 by 5,250 dts beginning August 2024. The service

5

is necessary to provide system resiliency to the Middletown area that has

6

seen notable residential, commercial and industrial growth over the last ten

7

years. The delivery capabilities of an interstate transmission pipeline

8

service will allow the Company to maintain a robust system, mitigating

9

reinforcement costs and allow future reliability improvements as the

10

southern Middletown area continues to grow.

11

12

Q. DOES THIS CONCLUDE YOUR TESTIMONY?

13

A. Yes, it does.

DATED: AUGUST 31, 2022

STATE OF DELAWARE)
)
COUNTY OF KENT)

AFFIDAVIT OF WILLIAM R. KRISS

WILLIAM R. KRISS, being first duly sworn according to law, on oath deposes and says that he is the witness whose testimony appears as "Chesapeake Utilities Corporation, Delaware Division, Direct Testimony of William R. Kriss"; that, if asked the questions which appear in the text of the direct testimony, he would give the answers that are therein set forth; and that he adopts this testimony as his sworn direct testimony in these proceedings.



William R. Kriss

Then personally appeared this 31st day of August 2022 the above-named William R. Kriss and acknowledged the foregoing Testimony to be his free act and deed. Before me,


Notary Public
My Commission Expires: 08-28-2026

