

**TEST YEAR PURCHASED GAS COSTS**

	(A)	(B)	(C)	(D)
	Component	Dth	Cost per Dth	Total Cost
1	Current Contracts			\$80,633,270
2	Stabilization Costs			<u>0</u>
3	Total Current Contracts	24,125,500	\$3.34224	\$80,633,270
4	Forecast Spot	24,907,885	\$3.12325	77,793,518
5	Future Contracts	52,644	\$2.81692	148,295
6	Total Gas Purchased	49,086,029	\$3.23055	<u><u>\$158,575,083</u></u>

**TEST YEAR TRANSPORTATION, GATHERING & PROCESSING CHARGES**

(A)	(B) Fctr	(C) Dth	(D) Months/Days	(E) Rate	(F)	(G) Total Costs
<b><u>TRANSPORTATION DEMAND</u></b>						
<b>QPC Demand</b>						
1	T-1 Transportation - Yearly	840,902	x 12	x \$5.28804	=	\$53,360,681
2	T-1 Transportation Nov-Mar	75,000	x 5	x \$6.80887	=	2,553,326
3	No-Notice Transportation	203,542	x 12	x \$0.86753	=	2,118,945
4	Capacity Release Credits					(40,496)
5	Total					<u>\$57,992,456</u>
<b>Kern River Demand</b>						
6	January - December	1,885	x 12	x \$17.74204	=	\$401,325
7	October - April	3,000	x 7	x \$14.28577	=	300,001
8	May - September	3,000	x 5	x \$6.17508	=	92,626
9	November - March	50,000	x 5	x \$14.28577	=	3,571,443
10	December - February	56,925	x 3	x \$8.70000	=	1,485,743
11	November & March	6,000	x 2	x \$8.84500	=	106,140
12	November - March	27,000	x 5	x \$8.75800	=	1,182,330
13	October - May	30,000	x 8	x \$14.27625	=	<u>3,426,300</u>
14	Total					<u>\$10,565,908</u>
15	Total Transportation Demand (SNG)					\$68,558,364
<b><u>TRANSPORTATION COMMODITY</u></b>						
16	QPC Commodity (SNG)	104,230,791		x \$0.00267	=	\$278,296
17	Total ACA	128,801,282		x \$0.00130	=	167,442
<b>Kern River Commodity</b>						
18	January - December	0.94	x 4,885	x 365	x \$0.00440	= \$7,360
19	November - March	0.94	x 50,000	x 151	x \$0.00440	= 31,167
20	November & March	0.94	x 6,000	x 61	x \$0.00440	= 1,511
21	December - February	0.94	x 56,925	x 90	x \$0.00440	= 21,149
22	November - March	0.94	x 27,000	x 151	x \$0.00440	= 16,830
23	December - February	0.94	x 30,000	x 243	x \$0.00440	= <u>30,093</u>
24	Total (SNG)					\$108,110
25	Total Transportation Commodity					\$553,848
<b><u>OTHER CHARGES</u></b>						
26	QEPFS/Tesoro Field Services Demand					\$12,245,844
27	QEPFS/Tesoro Field Services Commodity					<u>5,958,490</u>
28	Total QEPFS/Tesoro Field Services (SNG)					\$18,204,334 1/
29	Wexpro II Gathering					\$7,101,910
30	Other Wexpro I Gathering Charges					1,902,464
31	Other Transportation Charges					<u>3,500,326</u>
32	Total Wexpro II Gathering, Other Gathering & Transportation					\$12,504,700
<b><u>PEAK HOUR SERVICE</u></b>						
33	Mid November - Mid February	25,000	x 3	x \$11.65333	=	\$874,000
34	Mid November - Mid February	83,333	x 3	x \$5.95128	=	<u>\$1,487,815</u>
35	Total Peak Hour Service					\$2,361,815
36	<b>TOTAL TRANSPORTATION AND OTHER CHARGES</b>					<u>\$102,183,061</u>

1/ See paragraph 7c in application.

**TEST YEAR STORAGE AND WORKING GAS CHARGES**

	(A)	(B)	(C)	(D)	(E)	(F)
<b><u>STORAGE CHARGES</u></b> 1/						
	Component	Dth	Months	Rate		Total Costs
<b>Storage Demand</b>						
1	Aquifer Peaking Demand	184,625	x 12	\$2.87375	=	\$6,366,793
2	Ryckman Demand	2,500,000	x 12	\$0.09000	=	\$2,700,000
3	Clay Basin Demand	111,827	x 12	\$2.85338	=	3,829,019
4	Clay Basin Capacity	13,419,000	x 12	\$0.02378	=	3,829,246
5	Total Demand Charges (SNG)					\$16,725,058
<b>Storage Commodity</b> 2/						
6	Aquifer Peaking Injections	1,162,590	x	\$0.03872	=	\$45,015
7	Aquifer Peaking Withdrawals	922,125	x	\$0.03872	=	35,705
8	Ryckman Injections	0	x	\$0.01500	=	0
9	Ryckman Withdrawals	0	x	\$0.01000	=	0
10	Clay Basin Injections	11,700,715	x	\$0.01049	=	122,740
11	Clay Basin Withdrawals	10,925,010	x	\$0.01781	=	194,574
12	Total Commodity Charges					\$398,034
13	<b>Total Storage Charges</b>					<b>\$17,123,092</b>
<b><u>WORKING GAS CHARGES - QGC Account 164</u></b>						
	Month	Amount		Pre-Tax Return %		
14	Aug-16	\$52,516,755				
15	Sep-16	67,227,540				
16	Oct-16	70,093,976				
17	Nov-16	72,768,413				
18	Dec-16	49,333,981				
19	Jan-17	33,078,466				
20	Feb-17	21,745,044				
21	Mar-17	8,937,826				
22	Apr-17	5,265,628				
23	May-17	9,895,289				
24	Jun-17	21,769,885				
25	Jul-17	34,448,176				
26	Aug-17	48,018,857				
27	12-Month Average 3/	\$37,069,336	x	10.79%	=	\$3,999,781
28	<b>TOTAL FIRM STORAGE AND WORKING GAS CHARGES</b>					<b>\$21,122,873</b>

1/ Dominion Energy Questar Pipeline, LLC Tariff included in Exhibit 1.9.  
2/ Dominion Energy planned volumes.  
3/ (½ of Line 14 + sum of Lines 15 through 25 + ½ of Line 26) / 12

**SUMMARY OF TEST-YEAR GAS RELATED COSTS AND REVENUES CREDITS**

(A) Component	(B) Costs	(C) Dth 1/	(D) \$ per Dth
<b>WEXPRO I</b>			
1 Dominion Energy Production 2/	\$279,225,919		
2 Wexpro I Revenue Sharing Credits 3/	<u>(19,051,641)</u>		
3 Net Dominion Energy Production Costs	\$260,174,278	54,657,852	\$4.76005
4 Gathering 4/	20,106,798		
5 Total Wexpro I Cost of Production	<u>\$280,281,075</u>	54,657,852	\$5.12792
<b>WEXPRO II</b>			
6 Wexpro II Production 5/	\$53,384,679		
7 Wexpro II Revenue Sharing Credits 6/	<u>(2,584,352)</u>		
8 Net Cost of Wexpro II Production	\$50,800,327	15,619,554	\$3.25235
9 Gathering 7/	7,101,910		
10 Total Wexpro II Cost of Production	<u>\$57,902,238</u>	15,619,554	\$3.70704
11 Sales of Cost-of-Service Gas 8/	-	0	\$0.00000
12 Total Cost-of-Service Production	<u>\$338,183,313</u>	70,277,405	\$4.81212
13 Dominion Energy Contract Gas 9/	158,575,083	49,086,029	\$3.23055
14 Injection / Withdrawal Adjustment 10/	(4,330,716)		
15 Transportation, Other Costs & Peak Hour Service 11/	74,974,353	128,801,282	\$0.58209
16 Storage and Working Gas 12/	21,122,873		
17 Dominion Energy - Related Gas Costs for Rate Purposes	<u>\$588,524,906</u>	114,952,734	\$5.11971

1/ Estimated into-pipe volumes used for Wexpro dths.

2/ Exhibit 1.1, Page 18, Line 1398, Column H.

3/ Exhibit 1.4, Page 3, Line 8.

4/ Exhibit 1.3, Page 1, Lines 28 + 30.

5/ Exhibit 1.1, Page 21, Line 1600, Column H.

6/ Exhibit 1.4, Page 3, Line 16.

7/ Exhibit 1.3, Page 1, Line 29.

8/ Exhibit 1.4, Page 3, Line 17.

9/ Exhibit 1.2, Line 6.

10/ Exhibit 1.4, Page 2, Line 6.

11/ Exhibit 1.3, Page 1, Lines 15 + 25 + 31 +35.

12/ Exhibit 1.3, Page 2, Line 28.

13/ Exhibit 1.6, Page 1, Line 4.

**ANNUALIZED UNIT COST OF STORAGE GAS**

(A)	(B)	(C)	(D)
	Dth	Average Rate	Total Costs
1 Company Production 1/	70,277,405	\$4.81212	\$338,183,313
2 Purchased Gas 2/	49,086,029	\$3.23055	158,575,083
3 Average Price	119,363,434	\$4.16173	\$496,758,396
Storage 3/			
4 Withdrawals	11,847,135	\$4.73904	\$56,144,000
5 Injections	(12,863,305)	\$4.70134	(60,474,717)
6 Storage Adjustment			(\$4,330,716)

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- 1/ Exhibit 1.4, Page 1, Line 12.  
2/ Exhibit 1.2, Line 6.  
3/ Dominion Energy planned volumes.

**OTHER REVENUES 1/**

	(A)	(B)	(C)	(D)
	Account Number	Account Name		12 Months Ending Oct 2018
<b>WEXPRO I</b>				
1	483	Sales for Resale		\$2,864,258
2	490	Plant By-Product		3,053,673
3	492	Gasoline and Oil Sales	\$468,515	
4	758-1	Gasoline and Oil Cost	<u>(77,258)</u>	
5		Net Gasoline and Oil Sales		391,257
6	495-1	Overriding Royalty Revenue		12,742,454
7	495-2	Oil Revenue Received from Wexpro		0
8		Total Wexpro I		<u>\$19,051,641</u>
<b>WEXPRO II</b>				
9	483	Sales for Resale		\$0
10	490	Plant By-Product		562,983
11	492	Gasoline and Oil Sales	\$1,537,181	
12	758-1	Gasoline and Oil Cost	<u>(258,356)</u>	
13		Net Gasoline and Oil Sales		1,278,826
14	495-1	Overriding Royalty Revenue		522,370
15	495-2	Oil Revenue Received from Wexpro		220,174
16		Total Wexpro II		<u>\$2,584,352</u>
17		Sales of Cost-of-Service Gas		0
18		Grand Total (Line 8 + Line 16 + Line 17)		<u>\$21,635,993</u>

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1/ Forecasted 12-month test year.

**TEST-YEAR GAS COST ALLOCATION**

(A)	(B)	(C)	(D)	(E)
	Allocation Factor 1/	System	Wyoming	Utah
1 Dominion Energy Production (Exhibit 1.1)	2	\$332,610,598	\$12,266,925	\$320,343,673
2 Other Revenue's Credit (Exhibit 1.4, p 3)	2	(21,635,993)	(797,951)	(20,838,042)
3 Gathering (Exhibit 1.3, p 1) - Demand	1	12,245,844	339,548	11,906,296
4 Gathering - Commodity	2	14,962,864	551,842	14,411,022
5 Net Cost of Dominion Energy Production		\$338,183,313	\$12,360,363	\$325,822,950
6 Dominion Energy Contract Gas (Exhibit 1.2)	2	158,575,083	5,848,367	152,726,716
7 Injection / Withdrawal Adjustment (Exhibit 1.4, p 1)	2	(4,330,716)	(159,720)	(4,170,996)
8 Transportation (Exhibit 1.3, p 1) - Demand	1	68,558,364	1,900,958	66,657,406
9 Transportation - Commodity	2	553,848	20,426	533,422
10 Storage (Exhibit 1.3, p 2) - Demand	1	16,725,058	463,746	16,261,312
11 Storage - Commodity	2	398,034	14,680	383,354
12 Other Transportation - Commodity (Exhibit 1.3, p 1)	2	3,500,326	129,095	3,371,231
13 Working Gas Costs (Exhibit 1.3, p 2)	2	3,999,781	147,515	3,852,266
14 Peak Hour Service (Exhibit 1.3, p 1)	1	2,361,815	65,487	2,296,328
15 Totals		\$588,524,906	\$20,790,916	\$567,733,990

1/ Allocation Factors		<u>Total</u>	<u>Wyoming</u>	<u>Utah</u>
#1 Peak Day Demand	Dth- Percent-	1,337,180 100.00%	37,077 2.77%	1,300,103 97.23%
#2 Commodity Sales - All	Dth- Percent-	114,952,734 100.00%	4,239,542 3.69%	110,713,192 96.31%

**TEST-YEAR GAS COST CHANGE**

	(A)	(B)	(C)	(D)	(E)	(F)
				Average Rate	x Dth	= Total
1	Utah Allocation of Dominion Energy - Related Gas Costs (Exhibit 1.5) 1/					\$567,733,990
	Test-Year Sales:		Firm	+	Interruptible	= Total Sales Dth
2	Utah		110,147,901		565,291	110,713,192
3	Wyoming		4,095,952		143,590	4,239,542
4	Total Dth					114,952,734
5	Supplier Non-Gas Costs 2/					<u>(\$115,275,751)</u>
6	Commodity Portion of Test-Year Gas Cost (Lines 1 + 5)					\$452,458,239

		Current Case 17-057-20	Prior Case 17-057-07	Difference
	<b>FIRM CUSTOMER RATES</b>			
7	Gas Cost (line 6/Total Sales Dth, line 4)	\$4.08676	\$4.06830	\$0.01846
8	191 Account Amortization (Commodity Portion) 3/	\$0.13552	(\$0.04894)	\$0.18446
9	Total Sales Unit Commodity Cost (Lines 7 + 8)	\$4.22228	\$4.01936	\$0.20292

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1/ Exhibit 1.5, Line 15, Column E.

2/ Test Year Estimate of Transportation, Gathering, and Storage billings.

3/ 191 Account (August 2017) actual                   \$27,904,274  
 Less: Supplier Non-Gas balance actual       \$12,900,555  
 191 Account Commodity Portion               \$15,003,719                   110,713,192               \$0.13552  
 See Application, paragraph 11.



**TEST-YEAR SUPPLIER NON-GAS COST CHANGE**

	(A)	(B)	(C)	(D)
		Dth	Average Rate	Total
1	Supplier Non-Gas (SNG) Costs 1/			\$115,275,751
2	191 Account Balance for SNG Costs 2/			4,714,987
3	Total			\$119,990,738
4	SNG Costs Recovered at Current Rates 3/			117,886,090
5	SNG Costs Adjustment to Current Rates (Line 3 - Line 4)			\$2,104,648
6a	Adjustment for SNG contributions from:			
6b	IS SNG current rate	565,291	\$0.17877	\$101,057
6c	IS SNG new rate	565,291	\$0.17864	\$100,984
7	Percent Change to Current Rates ((ln 3-ln 6c)-(ln 4-ln 6b))/(ln 4-ln 6b)			1.79 %

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1/ Exhibit 1.6, Page 1, Line 5.

2/ Spring pass through SNG amortization from Docket No. 17-057-07  
Amortization will be adjusted in the 2018 spring pass-through. \$4,714,987

3/ Output of Revrun.Exe computer program dated 9/11/2017

**TEST YEAR CHANGE IN SUPPLIER NON-GAS COSTS  
BY RATE CLASS**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Rate Class	Season	Current total 1/	Curr. Base 1/	Calc. Base 2/	Amortization 3/	Total 4/
1	GS	Winter	\$1.26164	\$1.21114	\$1.23368	\$0.05050	\$1.28418
2		Summer	\$0.59236	\$0.56865	\$0.57923	\$0.02371	\$0.60294
3	FS	Winter	\$1.22878	\$1.17959	\$1.20155	\$0.04919	\$1.25074
4		Summer	\$0.59236	\$0.56865	\$0.57923	\$0.02371	\$0.60294
5	NGV		\$0.91042	\$0.87398	\$0.89024	\$0.03645	\$0.92669
6	IS 5/		\$0.17877	\$0.17877	\$0.17864	\$0.00000	\$0.17864

1/ Current Dominion Energy Utah Tariff (excluding bad debt surcharge).

2/ Exhibit 1.6 page 2 (line 1 - line 6c)/(line 4 - line 6b)\*Exhibit 1.6 page 3 column C. (N.A. to line 6)

3/ Column G - Column E

4/ (Current Dominion Energy Utah rates) x (1+Exhibit 1.6, Page 2, Line 7, % change).  
(except ln. 6, which is calculated by adding QPC T-2 and ACA rates, then adjusting for distr. loss of 0.460%  
=  $(\$0.17652 + \$0.00130) / (1 - 0.00460) = \$0.17864$

5/ IS Tariff rate has an adjustment for bad debt of 0.25% =  $\$0.17864 / (1 - 0.00250) = \$0.17909$

**EFFECT ON GS TYPICAL CUSTOMER  
80 DTHS - ANNUAL CONSUMPTION**

	(A)	(B)	(C)	(D)	(E)	(F)
	Rate Schedule	Month	Usage In Dth	Billed at Current Rates Effective 10/1/2017	Billed at Proposed Rates 17-057-20	Change
1	GS	Jan	14.9	\$127.55	\$130.90	\$3.35
2		Feb	12.5	108.09	110.91	2.82
3		Mar	10.1	88.63	90.91	2.28
4		Apr	8.3	62.74	64.51	1.77
5		May	4.4	36.43	37.37	0.94
6		Jun	3.1	27.66	28.32	0.66
7		Jul	2.0	20.24	20.67	0.43
8		Aug	1.8	18.89	19.28	0.39
9		Sep	2.0	20.24	20.67	0.43
10		Oct	3.1	27.66	28.32	0.66
11		Nov	6.3	57.82	59.24	1.42
12		Dec	11.5	99.98	102.57	2.59
13		Total	80.0	\$695.93	\$713.67	\$17.74
14					Percent Change:	2.55 %

DOMINION ENERGY UTAH  
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LEGISLATIVE/PROPOSED RATE SCHEDULES

P.S.C. Utah No. 500  
Affecting All Firm Sales Rate Schedules  
and Classes of Service In  
Dominion Energy  
Utah Service Area

Date Issued: October 2, 2017  
To Become Effective November 1, 2017