SECTION 3, RULE 004.06 - REVENUE SCHEDULES

Application

Section & Exhibit	Rule Ref	Testimony Exhibit Cross Reference	Topic	Witness
General Information	004.004		David Mark Table Mark	
Section 1, Exhibit A	004.02A		Base Year Test Year	Amdor
Section 1, Exhibit B	004.02B		Case Drivers	Amdor
Section 1, Exhibit B2	004.02B		Customer Impacts	Sullivan
Section 1, Exhibit C	004.02C	MCC-2 Stmt M	Financial Summary	Clevinger
Section 1, Exhibit D	004.02D		Corporate Structure	Amdor
Section 1, Exhibit E	004.02E	MCC-2 Stmt A, Stmt B	Financial Statements	Clevinger
Section 1, Exhibit F	004.02F		Annual Report	Amdor
Section 1, Exhibit G	004.02G		Witness List	Amdor
Rate Base Schedules				
Section 2, Exhibit A	004.03A	MCC-2 Stmt D, Stmt E, & Sch M-1	Rate Base Schedules	Clevinger
Section 2, Exhibit A1	004.03A1	MCC-2 Stmt E	Utility Plant - Depr.	Clevinger
Section 2, Exhibit A2	004.03A2	MCC-2 Stmt F & Lead Lag Study	Working Capital	Clevinger
Section 2, Exhibit A3	004.03A3	MCC-2 Sch M-1	Other Rate Base Items	Clevinger
Section 2, Exhibit B	004.03B	MCC-2 Stmt D, Stmt E, & Sch M-1	Allocated Rate Base	Clevinger
Section 2, Exhibit C	004.03C	KMJ-4	2020 Capital Additions	Jarosz
Operating Expense Schedules				
Section 2, Exhibit A	004.04A	MCC-2 Stmt H	Operating Expenses	Clevinger
Section 2, Exhibit B	004.04B		Legislative Advocacy	Clevinger
Section 2, Exhibit C	004.04C		Political Candidates	Clevinger
Section 2, Exhibit D	004.04D		Political Religious Causes	Clevinger
Section 2, Exhibit E	004.04E		Memberships and Dues	Clevinger
Section 2, Exhibit F	004.04F		Affiliate Transactions	Clevinger
Section 2, Exhibit G	004.04G		Cost Allocation Manuel	Clevinger
Rate of Return and Cost of Capita	l Schedules			
Section 2, Exhibit 5A	004.05A	MCC-2 Stmt G & Sch G-1	Cost of Capital / ROR	Clevinger
Section 2, Exhibit 5B	004.05B	MCC-2 Stmt G & Sch G-1	Cost of Capital / ROR	Clevinger

Application

Section & Exhibit	Rule Ref	Testimony Exhibit Cross Reference	Topic	Witness
(Revenue Schedules)				
Section 3, Exhibit A	004.06A		Rate Rev. unadjusted	Hyatt
Section 3, Exhibit B	004.06B		Rate Rev. normalized	Hyatt
Section 3, Exhibit C	004.06B1		Using Current Rate	Hyatt
Section 3 - DNH-7	004.06B2	DNH-7	Using Proposed Rates	Hyatt
Class Cost of Service Study				
Section 4, Exhibit A	004.07		Class Cost of Service Study	Sullivan
Section 4, Exhibit B	004.07		Class Cost of Service Study	Sullivan
Prefiled Direct Testimony and Exhibits	;			
Section 5 - Direct Testimony	004.08		Testimony and Exhibits	Various
Tariffs				
Section 6 - Tariffs (Clean & Red-Lined)	No rule re	ference	Clean and Redlined Tariffs	Frost
Workpapers				
Section 7 - Workpapers	004.01C		Workpapers	Various

Application Exhibit No. 1 Section 3, Exhibit A Section 3, Exhibit B Section 3, Exhibit C Exhibit No. DNH-7

Rate Design – Revenue Schedules For the Test Year Ended December 31, 2019

Rules Nos. 004.06A, 004.06B, 004.06B1 and 004.06B2

Rate Design - Revenue Schedules

Number and classification of customers, volume of sales, and operating revenue by customer classes for the Base Year on an unadjusted basis.

Number and classification of customers, volume of sales, and operating revenue by customer classes for the Test Year on a normalized basis:

Using Current Rates

Using Proposed Rates

The rate design revenue schedules are provided on the following Exhibits:

- Rule 004.06A Section 3, Exhibit A
- Rule 004.06B Section 3, Exhibit B
- Rule 004.06B1- Section 3, Exhibit C
- Rule 004.06B1 and 004.06B2 Exhibit No. DNH-7 (Mr. Hyatt)

241 Neb. Admin. Code. Ch. 9, Rules 004.06A, 004.06B, 004.06B1 and 004.06B2. (Commission Rules Section V)

Н

Black Hills Nebraska Gas, LLC Base Year Billing Determinants and Revenues by Company Includes Customer Revenue Adjustments and Reclassifications For the Base Year Ended December 31, 2019

22

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Agricultural

Maximum Rate

Negotiated Direct

Negotiated Distribution

Negotiated Transmission

Total Non-Jurisdictional

Total Nebraska Gas Distribution

Total Company

A

Total Adjusted Monthly Average **Monthly Charge** Base Year Line Volumetric **Demand Charge** No. Company, Customer Class & Jurisdiction **Total Bill Count** Bills **Total Therms** Revenue Charge Revenue Revenue Margin Revenue 1. BH Gas Utility 2 Jurisdictional 3 Residential 2,223,885 185,324 137,119,425 \$31,354,256 \$26,750,110 \$0 \$58,104,366 4 Commercial (incl. Energy Options) 246,564 20,547 87,678,876 \$5.010.545 \$15,119,135 \$0 \$20,129,680 **Total Jurisdictional** 5 2,470,449 205,871 224,798,301 \$36,364,802 \$41,869,245 \$78,234,047 6 Non-Jurisdictional \$0 7 Maximum Rate (incl. Energy Options) 1,199 100 702,290 \$118,566 \$84,632 \$203,198 8 Interruptible Sales 1,701 142 2,504,692 \$209,816 \$1,227,459 \$0 \$1,437,275 9 Negotiated Distribution 1,443 120 \$938,157 \$0 104,357,551 \$5,077,523 \$6,015,680 10 Negotiated Transmission 24 2 29,759,870 \$8,400 \$224,394 \$0 \$232,794 \$799,036 \$983,337 11 Negotiated Direct 72 6 167,021,610 \$176,149 \$8,151 Negotiated Supply 12 \$277,200 \$268,211 \$545,411 \$0 13 **Total Non-Jurisdictional** 4,439 370 304,346,013 \$1,728,288 \$7,681,256 \$8,151 \$9,417,695 14 **Total Nebraska Gas Utility** 2,474,888 206,241 529,144,314 \$38,093,089 \$49,550,501 \$8,151 \$87,651,742 15 2. BH Gas Distribution 16 Jurisdictional 17 818,607 68,217 54,484,653 \$15,358,082 \$0 \$27,119,856 Residential \$11,761,774 18 Small Commercial 122,438 10,203 19,924,590 \$3,845,980 \$3,746,954 \$0 \$7,592,934 28,495,936 19 Large Commercial 16,987 1,416 \$1,999,375 \$3,977,263 \$0 \$5,976,638 20 **Total Jurisdictional** 958,032 79,836 102,905,179 \$21,203,437 \$19,485,991 \$0 \$40,689,428 21 Non-Jurisdictional

8,838

36

8

7

9

8,897

88,733

294,974

30,198,871

10,481,013

11,518,132

50,355,580

75,089,530

177,643,126

280,548,305

809,692,619

\$0

\$121,525

\$24,243

\$16,591

\$26,595

\$188,953

\$21,392,390

59,485,479

\$10,572,117

\$1,413,442

\$504,754

\$967,855

\$782,301

\$14,240,469

\$33,726,461

83,276,962

\$0

\$0

\$0

\$0

\$0

\$0

\$0

8,151

\$10,572,117

\$1,534,967

\$528,997

\$984,445

\$808,896

\$14,429,423

\$55,118,850

142,770,592

 \mathbf{C}

D

E

F

G

В

106,052

427

97

78

108

106,762

1,064,794

3,539,682

Black Hills Nebraska Gas, LLC Summary of Revenue Adjustments For the Test Year Ended December 31, 2020

Total Adjusted Revenue - \$

11

В \mathbf{C} D \mathbf{E} F \mathbf{G} Н A Line BH Gas Non-BH Gas No. Description **Total State** Jurisdictional **BH Gas Utility** Distribution Jurisdictional **BH Gas Utility** Distribution 1. Base Rate Revenue Base Year Revenue - \$ 141,907,927 118,459,393 77,584,534 40,874,859 23,448,534 9,184,807 14,263,727 2 Customer Revenue Adjustments - \$ 862,666 671,223 649,513 21,711 191,442 232,888 (41,446)3 Customer Class Realignment - \$ 0 (207,142)(207,142)207,142 207,142 142,770,592 118,923,474 40,689,428 23,847,118 9,417,695 14,429,423 4 Adjusted Revenue - \$ 78,234,047 5 Weather Normalization - \$ (4,118,020)(4,118,020) (2,903,341) (1,214,679)0 0 0 0 Growth - \$ 898,798 898,798 723,520 175,277 0 Pipeline Replacement Adjustment - \$ 393,733 393,733 393,733 0 0 0 0 8 2020 System Safety and Integrity (SSIR) Adjustment - \$ (692,726)(692,726) 0 (692,726)0 0 0 Fuel Line Replacement Adjustment - \$ 0 0 (105,688)(105,688)(105,688)0 10 Agricultural Adjustment - \$ 2,164,749 2,164,749 2,164,749

115,299,571

76,342,271

38,957,301

26,011,867

9,417,695

16,594,172

141,311,438

Section 3, Exhibit C Page 1 of 2

For the Test Year Ended December 31, 2020

Line					Total Non-				Negotiated	Negotiated		
No.	Description	Total Sales	Residential	Commercial	Jurisdictional	Agricultural	Maximum Rate	Interruptible Sales	Distribution	Transmission	Negotiated Direct	Negotiated Supply
	1 N. J. CT.II											
2	Number of Bills Base Year	3,381,219	3,042,492	338,727	110,043	106,052	468	1,701	1,540	102	180	0
3	Energy Options	47,190	3,042,492	47,190	1,158	0	0	1,158	1,540	0	0	0
4	Customer Growth	28,440	25,644	2,796	0	•	v	1,130	· ·	v	· ·	· ·
5	Total Test Year	3,456,849	3,068,136	388,713	111,201	106,052	468	2,859	1,540	102	180	0
6	Average Number of Monthly Bills	288,071	255,678	32,393	9,267	8,838	39	238	128	9	15	0
7	2. Volumes - therms											
8	Base Year	286,677,833	191,604,078	95,073,755	481,989,139	30,198,871	11,183,303	2,504,692	115,875,683	80,115,450	242,111,140	0
9	Energy Options	39,555,405	0	39,555,405	6,663,110	0	0	6,663,110	0	0	0	0
10	Weather Normalization	(24,361,990)	(15,129,988)	(9,232,002)	0							
11	Customer Growth	2,395,945	1,487,433	908,513	0							
12	Agricultural Normalization	0			10,803,938	10,803,938						
13	Total Base Year Volumes	304,267,193	177,961,523	126,305,670	499,456,187	41,002,809	11,183,303	9,167,802	115,875,683	80,115,450	242,111,140	0
14	Weather Normalized											
15	Average Annual Therms per Customer	63	696	3,899		4,639	286,751	38,520	905,279	8,901,717	16,140,743	
16	Average Therms per Bill		58	325		387	23,896	3,207	75,244	785,446	1,345,062	
17	Winter Volumes											
18	November thru March	243,104,927	144,719,299	98,385,628	212,646,770	7,792,100	5,825,328	5,083,885	57,260,497	32,906,750	103,778,210	0
19	Weather Normalization	(16,550,361)	(10,342,043)	(6,208,318)	212,040,770	7,772,100	5,025,520	3,003,003	37,200,477	32,700,730	103,770,210	· ·
20	Customer Growth	4,286,811	2,695,555	1,591,256	0							
21	Total	230,841,377	137,072,811	93,768,566	212,646,770	7,792,100	5,825,328	5,083,885	57,260,497	32,906,750	103,778,210	0
22	Number of Winter Bills		1,278,390	161,965		44,190	195	1.190	640	45	75	
23	Average Therms per Winter Bill		1,278,390	569		176	29,873	4,272	89,470	731,261	1,383,709	
											,,	
24	Summer Volumes											
25	April thru October	83,128,311	46,884,779	36,243,532	276,005,479	22,406,771	5,357,975	4,083,917	58,615,186	47,208,700	138,332,930	0
26	Weather Normalization	(7,811,629)	(4,787,945)	(3,023,684)	0							
27	Customer Growth	1,012,800	603,176	409,624	0							
28	Total	76,329,482	42,700,010	33,629,472	276,005,479	22,406,771	5,357,975	4,083,917	58,615,186	47,208,700	138,332,930	0
29	Number of Summer Bills		1,789,746	226,751		61,866	273	1,666	896	63	105	
30	Average Therms per Summer Bill		24	147		362	19,626	2,451	65,419	749,344	1,317,456	

Section 3, Exhibit C Page 2 of 2

	A	В	c	D	E	F	G	Н	Ī	J	K	L
Line No.	Description	Total Sales	Residential	Commercial	Total Non- Jurisdictional	Agricultural	Maximum Rate	Interruptible Sales	Negotiated Distribution	Negotiated Transmission	Negotiated Direct	Negotiated Supply
21	3. Gas Cost Revenues /1											
31 32	Cost of Gas - \$											
33	NE Gas Utility	78,615,480	58,243,384	20,372,096	564,316	0	0	564,316	0	0	0	0
34	Weather Normalization /2	(10,334,854)	(6,426,673)	(3,908,181)	0			301,310	•			
35	Customer Growth	1,016,717	627,451	389,266	0							
36	NE Gas Utility Imputed Cost of Gas	16,744,979		16,744,979	0							
37	NE Gas Distribution Imputed Cost of Gas	43,018,566	23,143,114	19,875,452	0							
38	Total Base Year Cost of Gas - \$	129,060,888	75,587,276	53,473,612	564,316	0	0	564,316	0	0	0	0
39	4. Volumetric Charge - \$											
40	Distribution	43,372,598	33,022,116	10,350,482	8,254,696	7,923,951	2,693	327,938	114	0	0	0
41	Distribution - Excess	11,152,795	5,489,768	5,663,027	2,844,114	2,648,166	195,948	0	0	0	0	0
42	Transport Delivery	6,829,843	0	6,829,843	9,620,948	0	97,466	899,521	5,582,163	1,192,248	1,581,337	268,211
43	Transport Delivery - Excess	0	0	0	1,201,968	0	1,201,968	0	0	0	0	0
44	Weather Normalization	(4,118,020)	(2,675,605)	(1,442,414)	0							
45	Customer Growth	450,216	293,034	157,182	0							
46	Agricultural Normalization	0	27 120 212	21.550.110	2,164,749	2,164,749	1 400 075	1 227 450	5 500 055	1 102 240	1 501 225	260.211
47	Total Base Year Volumetric Charge - \$	57,687,432	36,129,313	21,558,119	24,086,475	12,736,866	1,498,075	1,227,459	5,582,277	1,192,248	1,581,337	268,211
48	Average Distribution Volumetric		\$0.20100	\$0.16968								
49	5. Monthly Charge - \$											
50	Customer Charge	50,235,347	41,986,473	8,248,874	1,034,623	0	142,479	209,816	369,162	10,661	25,306	277,200
51	Pipeline Replacement	1,498,855	1,092,077	406,778	0	0	0	0	0	0	0	0
52	System Safety and Integrity (SSIR)	5,559,022	3,422,476	2,136,546	35,085	0	26,479	0	3,738	1,130	3,738	0
53	Fuel Line Replacement	275,014	211,312	63,703	0	0	0	0	0	0	0	0
54	Transport Administration	0	0	0	319,173	0	70,773	0	216,000	13,200	19,200	0
55 56	Transport SCADA Maintenance Modem Charge	0	0	0	1,500 360	0	360	0	1,500	0	0	0
50 57	Minimum Bill	0	0	0	526,500	0	360	0	372,000	0	154,500	0
58	Customer Growth	448,582	379,567	69,015	0 20,300	U	U	U	372,000	Ü	134,300	U
59	Pipeline Replacement Adjustment	393,733	271.876	121.857	0							
60	2020 Safety and Integrity (SSIR) Adjustment	(692,726)	(419,460)	(273,266)	0							
61	Fuel Line Replacement Adjustment	(105,688)	(78,555)	(27,133)	0							
62	Total Base Year Margin Revenue- \$	57,612,140	46,865,765	10,746,374	1,917,241	0	240,091	209,816	962,400	24,991	202,744	277,200
63	Contract Demand	0	0	0	8,151	0	0	0	0	0	8,151	0
64	6. Margin Revenue - \$											
65	Total Base Year Revenue-\$	118,923,474	85,224,222	33,699,252	23,847,118	10,572,117	1,738,166	1,437,275	6,544,677	1,217,239	1,792,232	545,411
66	Weather Normalization	(4,118,020)	(2,675,605)	(1,442,414)	0	0	0	0	0	0	0	0
67	Customer Growth	898,798	672,601	226,197	0	0	0	0	0	0	0	0
68	Pipeline Replacement Adjustment	393,733	271,876	121,857	0							
69	2020 System Safety and Integrity (SSIR) Adjustment	(692,726)	(419,460)	(273,266)	0							
70	Fuel Line Replacement Adjustment	(105,688)	(78,555)	(27,133)	0							
71	Total Agricultural Normalization	0	0	0	2,164,749	2,164,749	0	0	0	0	0	0
72	Net Total Base Year Margin Revenue	115,299,571	82,995,078	32,304,493	26,011,867	12,736,866	1,738,166	1,437,275	6,544,677	1,217,239	1,792,232	545,411
73	7. Total Revenue - \$											
74	Base Year with Gas Cost	258,813,334	167,684,633	91,128,701	26,576,183	12,736,866	1,738,166	2,001,591	6,544,677	1,217,239	1,792,232	545,411
75	Weather Normalization with Gas Cost	(14,452,874)	(9,102,278)	(5,350,596)	0							
76	Total Test Year Revenue - \$	244,360,460	158,582,355	85,778,105	26,576,183	12,736,866	1,738,166	2,001,591	6,544,677	1,217,239	1,792,232	545,411

^{/1} Includes imputed cost of gas for Energy Options and Nebraska Gas Distribution customers. /2 Includes weather normalization adjustment for Commercial Energy Options customers.

EXHIBIT DNH-7 PAGE 1 OF 4

 \mathbf{A}

В

 \mathbf{C}

D

Line				
No.	Description	Total Sales	Residential	Commercial
2,00	_ 500.5600	233428426		
1	1. Number of Bills			
2	Base Year	3,409,659	3,068,136	341,523
3	Energy Options	47,190	0	47,190
4	Total	3,456,849	3,068,136	388,713
5				
6	2. Total Volumes - Therms			
7	Therm Threshold		20 Therms	40 Therms
8	Tier 1	61,085,314	50,236,949	10,848,365
9	Therm Threshold		>20 Therms	>40 Therms
10	Tier 2	243,181,879	127,724,573	115,457,305
11	Total	304,267,193	177,961,523	126,305,670
12				
13	3. Base Year Revenues Under Current Rates			
14	Cost of Gas - \$	129,060,888	75,587,276	53,473,612
15	Volumetric Charge - \$	57,687,432	36,129,313	21,558,119
16	Monthly Charge - \$	57,612,140	46,865,765	10,746,374
17	Total - \$	244,360,460	158,582,355	85,778,105
18				
19	5. Current Base Rate Structure			
20	% Fixed	49.97%	56.47%	33.27%
21	% Variable	50.03%	43.53%	66.73%

EXHIBIT DNH-7 PAGE 2 OF 4

A B C D

Line				
No.	Description	Total Sales	Residential	Commercial
22				
22	6. Cost of Service Rates			
23	Cost of Gas - \$/Therm		0.4247	0.4234
24	Volumetric Charge - \$/Therm		0.1200	0.1101
25	Distribution Charge Tier 1		0.1209	0.1181
26	Distribution Charge Tier 2		0.1209	0.1181
27	Customer Charge - \$/Month		\$24.50	\$54.00
28				
29	7. Revenues Under Cost of Service Rates	120 060 000	55.505.05 6	50 450 610
30	Cost of Gas - \$	129,060,888	75,587,276	53,473,612
31	Volumetric Charge - \$/		• • • • • • • • • • • • • • • • • • • •	40.555
32			20 Therms	40 Therms
33	Distribution Charge Tier 1	7,354,839	6,073,647	1,281,192
34			>20 Therms	> 40 Therms
35	Distribution Charge Tier 2	29,077,409	15,441,901	13,635,508
36				
37	Customer Charge - \$	96,159,834	75,169,332	20,990,502
38				
39	Total - \$	261,652,970	172,272,157	89,380,813
40				
41	8. Cost of Service Base Rate Structure		(- 0.460/
42	% Fixed	72.52%	77.75%	58.46%
43	% Variable	27.48%	22.25%	41.54%
44				
45	9. Difference (Cost of Service - Current)			_
46	Cost of Gas - \$	0	0	0
47	Volumetric Charge - \$	(21,255,184)	(14,613,765)	(6,641,419)
48	Customer Charge - \$	38,547,694	28,303,567	10,244,128
49	Total - \$	17,292,510	13,689,802	3,602,708

EXHIBIT DNH-7 PAGE 3 OF 4

A B C D

Line				
No.	Description	Total Sales	Residential	Commercial
50	10. Proposed Rates			
51	Cost of Gas - \$/Therm		0.4247	0.4234
52	Volumetric Charge - \$/Therm			
53	Distribution Charge Tier 1		0.5996	0.5996
54	Distribution Charge Tier 2		0.1500	0.1500
55	Customer Charge - \$/Month		\$15.45	\$31.10
56				
57	11. Revenues Under Proposed Rates			
58	Cost of Gas - \$	129,060,888	75,587,276	53,473,612
59	Volumetric Charge - \$/			
60			20 Therms	40 Therms
61	Distribution Charge Tier 1	36,626,754	30,122,075	6,504,679
62	-		>20 Therms	> 40 Therms
63	Distribution Charge Tier 2	36,477,282	19,158,686	17,318,596
64				
65	Customer Charge - \$	59,491,676	47,402,701	12,088,974
66				
67	Total - \$	261,656,600	172,270,738	89,385,861
68		, ,		
69	12. Base Rate Structure			
70	% Fixed	44.87%	49.03%	33.66%
71	% Variable	55.13%	50.97%	66.34%
72				
73	13. Difference (Proposed - Current)			
74	Cost of Gas - \$	0	0	0
75	Volumetric Charge - \$	15,416,604	13,151,448	2,265,156
76	Customer Charge - \$	1,879,536	536,936	1,342,600
77	Total - \$	17,296,140	13,688,384	3,607,756
, ,		17,270,110	13,000,301	3,007,730

EXHIBIT DNH-7 PAGE 4 OF 4

 $A \hspace{1.5cm} B \hspace{1.5cm} C \hspace{1.5cm} D$

Line				
No.	Description	Total Sales	Residential	Commercial
5 0	44 M			
78 - 2	14. Alternate Rates		0.404-4	
79	Cost of Gas - \$/Therm		0.42474	0.42337
80	Volumetric Charge - \$/Therm			
81	All Therms		0.15000	0.15000
82	Customer Charge - \$/Month		\$22.81	\$43.65
83				
84	15. Revenues Under Proposed Rates			
85	Cost of Gas - \$	129,060,888	75,587,276	53,473,612
86	Volumetric Charge - \$/			
87	All Therms	45,640,079	26,694,228	18,945,851
88				
89	Customer Charge - \$	86,951,505	69,984,182	16,967,322
90				
91	Total - \$	261,652,472	172,265,687	89,386,785
92				
93	16. Base Rate Structure			
94	% Fixed	65.58%	72.39%	47.25%
95	% Variable	34.42%	27.61%	52.75%
96				
97	17. Difference (Alternate - Current)			
98	Cost of Gas - \$	0	0	0
99	Volumetric Charge - \$	(12,047,353)	(9,435,084)	(2,612,269)
100	Customer Charge - \$	29,339,365	23,118,417	6,220,948
101	Total - \$	17,292,012	13,683,332	3,608,680