BHUH Article 5 of the Cost of Service Gas Agreement

Line			
No.	_		
1	Per Section 5.1(i) the Hedge Formula is a	as follows:	
2			
3	Hedge Credit = -(Net Income-((Allowe	d ROE + 100 basis points)	* Invested Equity)) * 1/(1-T)
4			
5	For illustrative Purposes Only the follow	ing is how this formula we	ould work.
6		3,250,000	Revenue from sales of Hydrocarbon
7			COSGCO OpEx
8		2,324,000	Operating Expenses
9		111,075	Interest Exp (40% of Investment Base)
10		814,925	Income Before Taxes
11		309,672	Ln 10 * 38% (Federal and State Taxes)
12	Net Income =	505,254	
13		1.61	Tax Gross up (1/(138)
14	Hedge Credit	(166,366)	=-(ln12-((ln23+ln29)*ln27))*ln13
15			
16	Assumptions for the above calculation		
17	Equity %		60.00%
18	Allowed Return on Equity (ROE)		9.86%
19	Debt %		40.00%
20	Allowed Cost of Debt		4.50%
21	Return on Investment Base		7.72%
22	Allowed Return % (monthly)	In 21 ÷ 12	0.6433%
23	Allowed ROE % (monthly)	In 18 ÷ 12	0.8217%
24	Allowed Cost of Debt % (monthly)	In 20 ÷ 12	0.3750%
25	Monthly Debt Expense	In 26 * In 19 * In 24	111,075
26	Investment Base	In 25 Jul-Dec Forecast	74,050,000
27	Invested Equity	In 26 * In 17	44,430,000
28	100 Basis Points		1.00%
29	100 Basis Points (monthly)	In 28 ÷ 12	0.083%
30			
31	All of the above information is from the	Example Utility Hedge Fo	recast and the
32	month of December 2016. Line 14 ab	ove is calculated in accor	dance with the Agreement
33	and reconciles to Line 18 in the Examp	ole Utility Hedge Forecast	that is developed in more
34	of the traditional rate making process	. There may be slight diff	erences due to rounding
35	but the overall calculations prove out	the formula in the Agree	ment.

BHUH Article 5 of the Cost of Service Gas Agreement

Line No.								
1	_ Per Section 5.1(ii) the Hedge Formula i	is as follows:						
2	Tel Section 3.1(ii) the neage Formula	3 43 10110W3.						
3	Hedge Cost = -(Net Income-((Allowed ROE - 100 basis points) * Invested Equity)) * 1/(1-T)							
4								
5	For illustrative Purposes Only the following is how this formula would work.							
6	,	-	000 Revenue from sales of Hydrocarbon					
7		, ,	COSGCO OpEx					
8		2,054,0	-					
9			175 Interest Exp (40% of Investment Base)					
10		309,9	25 Income Before Taxes					
11		117,7	772 Ln 10 * 38% (Federal and State Taxes)					
12	Net Income =	192,1	.54					
13		1	.61 Tax Gross up (1/(138)					
14	Hedge Cos	t 100,1	.07 =-(ln12-((ln23-ln29)*ln27))*ln13					
15								
16	Assumptions for the above calculation							
17	Equity %		60.00%					
18	Allowed Return on Equity (ROE)		9.86%					
19	Debt %		40.00%					
20	Allowed Cost of Debt		4.50%					
21	Return on Investment Base		7.72%					
22	Allowed Return % (monthly)	In 21 ÷ 12	0.6433%					
23	Allowed ROE % (monthly)	In 18 ÷ 12	0.8217%					
24	Allowed Cost of Debt % (monthly)	In 20 ÷ 12	0.3750%					
25	Monthly Debt Expense	In 26 * In 19 * In 24	86,075					
26	Investment Base	In 25 Jan-Jun Forecast	57,383,333					
27	Invested Equity	In 26 * In 17	34,430,000					
28	100 Basis Points		1.00%					
29	100 Basis Points (monthly)	In 28 ÷ 12	0.083%					
30								
31	All of the above information is from th							
32	month of April 2016. Line 14 above		_					
33	and reconciles to Line 18 in the Exar							
34	of the traditional rate making proce	, ,	_					
35	but the overall calculations prove or	at the formula in the Ag	reement.					

BHUH
Example Utility Hedge Forecast (Section 5.2 of the Agreement)

-	_	
- 1	ina	

No.	FORECAST	Reference	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16
1	Production and Revenues: (All at COS	GCO)						
2	Natural Gas Sales (\$4.00)		1,800,000	1,800,000	1,800,000	2,050,000	2,050,000	2,300,000
3	Liquids Sales (Oil & NGL)		350,000	350,000	350,000	400,000	400,000	450,000
4	Total Market Sales		2,150,000	2,150,000	2,150,000	2,450,000	2,450,000	2,750,000
5	Expense Recovery (All at COSGCO)							
6	Depr, Depl & Amort		850,000	850,000	850,000	925,000	925,000	1,000,000
7	Lease Operating Exp		50,000	50,000	50,000	55,000	55,000	60,000
8	Production Taxes		85,000	85,000	85,000	90,000	90,000	95,000
9	Gathering & Processing		830,000	830,000	830,000	830,000	830,000	830,000
10	Marketing/Scheduling Fees		45,000	45,000	45,000	50,000	50,000	55,000
11	General & Admin & Program Fees		104,000	104,000	104,000	104,000	104,000	104,000
12	Total Expense Recovery	sum (Ins 6-11)	1,964,000	1,964,000	1,964,000	2,054,000	2,054,000	2,144,000
13	Income Taxes @ 38%	(In 35/(138))-In 35	173,397	173,397	173,397	173,397	173,397	173,397
14	Monthly Return Amount	In 34	369,147	369,147	369,147	369,147	369,147	369,147
15	Total Revenue Requirement	sum (Ins 12-14)	2,506,544	2,506,544	2,506,544	2,596,544	2,596,544	2,686,544
16	Over/(Under) Allowed ROE	ln 4 - ln 15	(356,544)	(356,544)	(356,544)	(146,544)	(146,544)	63,456
17	Risk Sharing deadband (+/-)	ln 37	(46,277)	(46,277)	(46,277)	(46,277)	(46,277)	46,277
18	Forecasted Hedge Cost/(Credit)	ln 17 - ln 16	310,267	310,267	310,267	100,267	100,267	(17,179)
19	Forecasted Investment Base:							
20	Beginning Balance		50,000,000	49,000,000	48,000,000	58,000,000	56,900,000	66,800,000
21	Plus: New Gas Wells				11,000,000		11,000,000	
22	Less: Depr, Depl & Amort		(850,000)	(850,000)	(850,000)	(925,000)	(925,000)	(1,000,000)
23	+/- Deferred Taxes		(150,000)	(150,000)	(150,000)	(175,000)	(175,000)	(200,000)
24	Ending Balance	sum (Ins 20-23)	49,000,000	48,000,000	58,000,000	56,900,000	66,800,000	65,600,000
25	Six Month Investment Base Average							57,383,333
26	Return on Investment Base							
27	Equity %		60.00%					
28	Allowed Return on Equity (ROE)		9.86%					
29	Debt %		40.00%					
30	Interest Rate		4.50%					
31	Return on Investment Base		7.72%					
32	Monthly Return %	In 31 ÷ 12	0.6433%					
33	Monthly ROE %	In 28 ÷ 12	0.8217%					
34	Monthly Authorized Return	ln 25 * ln 32	369,147	369,147	369,147	369,147	369,147	369,147
35	Monthly Equity Amount	In 25 * In 27 * In 33	282,911	282,911	282,911	282,911	282,911	282,911
36	Monthly Risk Sharing Amount	In 25 * In 27 * (1% ÷ 12)	28,692	28,692	28,692	28,692	28,692	28,692
37	Total Risk Sharing including Tax	In 36 * (1/(138))	46,277 Page 3 of 7	46,277	46,277	46,277	46,277	46,277

BHUH
Example Utility Hedge Forecast (Section 5.2 of the Agreement)

					,	(0000.00	of the Agree	•
Line								
No.	FORECAST	Reference	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
1	Production and Revenues: (All at COS	GCO)						
2	Natural Gas Sales (\$4.00)		2,300,000	2,300,000	2,550,000	2,550,000	2,550,000	2,800,000
3	Liquids Sales (Oil & NGL)		450,000	450,000	450,000	450,000	450,000	450,000
4	Total Market Sales		2,750,000	2,750,000	3,000,000	3,000,000	3,000,000	3,250,000
5	Expense Recovery (All at COSGCO)							
6	Depr, Depl & Amort		1,000,000	1,000,000	1,075,000	1,075,000	1,075,000	1,150,000
7	Lease Operating Exp		60,000	60,000	65,000	65,000	65,000	70,000
8	Production Taxes		95,000	95,000	100,000	100,000	100,000	105,000
9	Gathering & Processing		830,000	830,000	830,000	830,000	830,000	830,000
10	Marketing/Scheduling Fees		55,000	55,000	60,000	60,000	60,000	65,000
11	General & Admin & Program Fees		104,000	104,000	104,000	104,000	104,000	104,000
12	Total Expense Recovery	sum (lns 6-11)	2,144,000	2,144,000	2,234,000	2,234,000	2,234,000	2,324,000
13	Income Taxes @ 38%	(ln 35/(138))-ln 35	223,760	223,760	223,760	223,760	223,760	223,760
14	Monthly Return Amount	In 34	476,364	476,364	476,364	476,364	476,364	476,364
15	Total Revenue Requirement	sum (lns 12-14)	2,844,123	2,844,123	2,934,123	2,934,123	2,934,123	3,024,123
16	Over/(Under) Allowed ROE	ln 4 - ln 15	(94,123)	(94,123)	65,877	65,877	65,877	225,877
17	Risk Sharing deadband (+/-)	ln 37	(59,718)	(59,718)	59,718	59,718	59,718	59,718
18	Forecasted Hedge Cost/(Credit)	ln 17 - ln 16	34,405	34,405	(6,159)	(6,159)	(6,159)	(166,159)
			•	•			• • •	
19	Forecasted Investment Base:		ŕ	·				, , ,
			65,600,000	64,400,000	74,200,000	72,900,000	71,600,000	81,300,000
19	Forecasted Investment Base:				74,200,000	72,900,000		
19 20	Forecasted Investment Base: Beginning Balance			64,400,000	74,200,000 (1,075,000)	72,900,000	71,600,000	
19 20 21	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells		65,600,000	64,400,000 11,000,000			71,600,000 11,000,000	81,300,000
19 20 21 22	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort	sum (Ins 20-23)	65,600,000 (1,000,000)	64,400,000 11,000,000 (1,000,000)	(1,075,000)	(1,075,000)	71,600,000 11,000,000 (1,075,000)	81,300,000 (1,150,000)
19 20 21 22 23	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes		65,600,000 (1,000,000) (200,000)	64,400,000 11,000,000 (1,000,000) (200,000)	(1,075,000) (225,000)	(1,075,000) (225,000)	71,600,000 11,000,000 (1,075,000) (225,000)	81,300,000 (1,150,000) (250,000)
19 20 21 22 23 24	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance		65,600,000 (1,000,000) (200,000)	64,400,000 11,000,000 (1,000,000) (200,000)	(1,075,000) (225,000)	(1,075,000) (225,000)	71,600,000 11,000,000 (1,075,000) (225,000)	81,300,000 (1,150,000) (250,000) 79,900,000
19 20 21 22 23 24 25	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance Six Month Investment Base Average		65,600,000 (1,000,000) (200,000)	64,400,000 11,000,000 (1,000,000) (200,000)	(1,075,000) (225,000)	(1,075,000) (225,000)	71,600,000 11,000,000 (1,075,000) (225,000)	81,300,000 (1,150,000) (250,000) 79,900,000
19 20 21 22 23 24 25 26	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance Six Month Investment Base Average Return on Investment Base		65,600,000 (1,000,000) (200,000) 64,400,000	64,400,000 11,000,000 (1,000,000) (200,000)	(1,075,000) (225,000)	(1,075,000) (225,000)	71,600,000 11,000,000 (1,075,000) (225,000)	81,300,000 (1,150,000) (250,000) 79,900,000
19 20 21 22 23 24 25 26 27 28 29	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance Six Month Investment Base Average Return on Investment Base Equity %		65,600,000 (1,000,000) (200,000) 64,400,000 60.00% 9.86% 40.00%	64,400,000 11,000,000 (1,000,000) (200,000)	(1,075,000) (225,000)	(1,075,000) (225,000)	71,600,000 11,000,000 (1,075,000) (225,000)	81,300,000 (1,150,000) (250,000) 79,900,000
19 20 21 22 23 24 25 26 27 28	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance Six Month Investment Base Average Return on Investment Base Equity % Allowed Return on Equity (ROE)		65,600,000 (1,000,000) (200,000) 64,400,000 60.00% 9.86%	64,400,000 11,000,000 (1,000,000) (200,000)	(1,075,000) (225,000)	(1,075,000) (225,000)	71,600,000 11,000,000 (1,075,000) (225,000)	81,300,000 (1,150,000) (250,000) 79,900,000
19 20 21 22 23 24 25 26 27 28 29 30 31	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance Six Month Investment Base Average Return on Investment Base Equity % Allowed Return on Equity (ROE) Debt % Interest Rate Return on Investment Base		65,600,000 (1,000,000) (200,000) 64,400,000 60.00% 9.86% 40.00% 4.50% 7.72%	64,400,000 11,000,000 (1,000,000) (200,000)	(1,075,000) (225,000)	(1,075,000) (225,000)	71,600,000 11,000,000 (1,075,000) (225,000)	81,300,000 (1,150,000) (250,000) 79,900,000
19 20 21 22 23 24 25 26 27 28 29 30 31 32	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance Six Month Investment Base Average Return on Investment Base Equity % Allowed Return on Equity (ROE) Debt % Interest Rate Return on Investment Base Monthly Return %	sum (Ins 20-23) In 31 ÷ 12	65,600,000 (1,000,000) (200,000) 64,400,000 60.00% 9.86% 40.00% 4.50% 7.72% 0.6433%	64,400,000 11,000,000 (1,000,000) (200,000)	(1,075,000) (225,000)	(1,075,000) (225,000)	71,600,000 11,000,000 (1,075,000) (225,000)	81,300,000 (1,150,000) (250,000) 79,900,000
19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance Six Month Investment Base Average Return on Investment Base Equity % Allowed Return on Equity (ROE) Debt % Interest Rate Return on Investment Base Monthly Return % Monthly ROE %	sum (Ins 20-23) In 31 ÷ 12 In 28 ÷ 12	65,600,000 (1,000,000) (200,000) 64,400,000 60.00% 9.86% 40.00% 4.50% 7.72% 0.6433% 0.8217%	64,400,000 11,000,000 (1,000,000) (200,000) 74,200,000	(1,075,000) (225,000) 72,900,000	(1,075,000) (225,000) 71,600,000	71,600,000 11,000,000 (1,075,000) (225,000) 81,300,000	81,300,000 (1,150,000) (250,000) 79,900,000 74,050,000
19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance Six Month Investment Base Average Return on Investment Base Equity % Allowed Return on Equity (ROE) Debt % Interest Rate Return on Investment Base Monthly Return % Monthly ROE % Monthly Authorized Return	sum (Ins 20-23) In 31 ÷ 12 In 28 ÷ 12 In 25 * In 32	65,600,000 (1,000,000) (200,000) 64,400,000 60.00% 9.86% 40.00% 4.50% 7.72% 0.6433% 0.8217% 476,364	64,400,000 11,000,000 (1,000,000) (200,000) 74,200,000	(1,075,000) (225,000) 72,900,000 476,364	(1,075,000) (225,000) 71,600,000 476,364	71,600,000 11,000,000 (1,075,000) (225,000) 81,300,000	81,300,000 (1,150,000) (250,000) 79,900,000 74,050,000 476,364
19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance Six Month Investment Base Average Return on Investment Base Equity % Allowed Return on Equity (ROE) Debt % Interest Rate Return on Investment Base Monthly Return % Monthly ROE % Monthly Authorized Return Monthly Equity Amount	sum (Ins 20-23) In 31 ÷ 12 In 28 ÷ 12 In 25 * In 32 In 25 * In 27 * In 33	65,600,000 (1,000,000) (200,000) 64,400,000 60.00% 9.86% 40.00% 4.50% 7.72% 0.6433% 0.8217% 476,364 365,081	64,400,000 11,000,000 (1,000,000) (200,000) 74,200,000 476,364 365,081	(1,075,000) (225,000) 72,900,000 476,364 365,081	(1,075,000) (225,000) 71,600,000 476,364 365,081	71,600,000 11,000,000 (1,075,000) (225,000) 81,300,000 476,364 365,081	81,300,000 (1,150,000) (250,000) 79,900,000 74,050,000 476,364 365,081
19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	Forecasted Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance Six Month Investment Base Average Return on Investment Base Equity % Allowed Return on Equity (ROE) Debt % Interest Rate Return on Investment Base Monthly Return % Monthly ROE % Monthly Authorized Return	sum (Ins 20-23) In 31 ÷ 12 In 28 ÷ 12 In 25 * In 32	65,600,000 (1,000,000) (200,000) 64,400,000 60.00% 9.86% 40.00% 4.50% 7.72% 0.6433% 0.8217% 476,364	64,400,000 11,000,000 (1,000,000) (200,000) 74,200,000	(1,075,000) (225,000) 72,900,000 476,364	(1,075,000) (225,000) 71,600,000 476,364	71,600,000 11,000,000 (1,075,000) (225,000) 81,300,000	81,300,000 (1,150,000) (250,000) 79,900,000 74,050,000

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37

Total Risk Sharing including Tax

In 36 * (1/(1-.38))

BHUH
Hedge Year-End Calculation (Section 5.3 of the Agreement)

	n	\neg	

No.	Actual Performance	Reference	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16
1	Production and Revenues: (All at COSG	GCO)							
2	Natural Gas Sales (\$4.15)		1,867,500	1,867,500	1,867,500	2,117,500	2,117,500	2,367,500	2,367,500
3	Liquids Sales (Oil & NGL)		300,000	300,000	300,000	350,000	350,000	400,000	400,000
4	Total Market Sales		2,167,500	2,167,500	2,167,500	2,467,500	2,467,500	2,767,500	2,767,500
5	Expense Recovery (All at COSGCO)								
6	Depr, Depl & Amort		851,235	851,235	851,235	926,235	926,235	1,001,235	1,001,235
7	Lease Operating Exp		52,358	52,358	52,358	57,358	57,358	62,358	62,358
8	Production Taxes		86,851	86,851	86,851	91,851	91,851	96,851	96,851
9	Gathering & Processing		865,651	865,651	865,651	865,651	865,651	865,651	865,651
10	Marketing/Scheduling Fees		45,365	45,365	45,365	50,365	50,365	55,365	55,365
11	General & Admin & Program Fees		106,891	106,891	106,891	106,891	106,891	106,891	106,891
12	Total Expense Recovery	sum (Ins 6-11)	2,008,351	2,008,351	2,008,351	2,098,351	2,098,351	2,188,351	2,188,351
13	Income Taxes @ 38%	(In 30/(138))-In 30							
14	Return Amount	ln 33							
15	Total Revenue Requirement	sum (Ins 12-14)	2,008,351	2,008,351	2,008,351	2,098,351	2,098,351	2,188,351	2,188,351
16	Over/(Under) Allowed ROE	In 4 - In 15							
17	Risk Sharing Deadband (+/-)	In 35							
18	Actual Hedge Cost/(Credit)	ln 17 - ln 16							
19	Forecasted Hedge Cost/(Credit) Calend	lar Year							
20	Customer (Refund)/Collection	ln 18 - ln 19							
21	Investment Base:								
22	Beginning Balance		50,000,000	48,983,530	47,967,060	57,626,540	56,510,070	66,744,465	65,527,995
23	Plus: New Gas Wells				10,675,950		11,350,865		
24	Less: Depr, Depl & Amort		(851,235)	(851,235)	(851,235)	(926,235)	(926,235)	(1,001,235)	(1,001,235)
25	+/- Deferred Taxes		(165,235)	(165,235)	(165,235)	(190,235)	(190,235)	(215,235)	(215,235)
26	Ending Balance	sum (Ins 22-25)	48,983,530	47,967,060	57,626,540	56,510,070	66,744,465	65,527,995	64,311,525
27	13 Month Average for Investment Base								
28	Return on Investment Base								
29	Equity %		60.00%						
30	Allowed Return on Equity (ROE)		9.95%						
31	Debt %		40.00%						
32	Interest Rate		4.50%						
33	Return on Investment Base		7.77%						
34	100 Basis Point Risk Sharing		1.00%						
35	Total Risk Sharing Amount including	taxes							

BHUH
Hedge Year-End Calculation (Section 5.3 of the Agreement)

Line								Calendar Yr
No.	Actual Performance	Reference	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Actual
1	Production and Revenues: (All at COSG	CO)						
2	Natural Gas Sales (\$4.15)		2,367,500	2,617,500	2,617,500	2,617,500	2,867,500	27,660,000
3	Liquids Sales (Oil & NGL)		400,000	400,000	400,000	400,000	400,000	4,400,000
4	Total Market Sales		2,767,500	3,017,500	3,017,500	3,017,500	3,267,500	32,060,000
5	Expense Recovery (All at COSGCO)							
6	Depr, Depl & Amort		1,001,235	1,076,235	1,076,235	1,076,235	1,151,235	11,789,820
7	Lease Operating Exp		62,358	67,358	67,358	67,358	72,358	733,296
8	Production Taxes		96,851	101,851	101,851	101,851	106,851	1,147,212
9	Gathering & Processing		865,651	865,651	865,651	865,651	865,651	10,387,812
10	Marketing/Scheduling Fees		55,365	60,365	60,365	60,365	65,365	649,380
11	General & Admin & Program Fees		106,891	106,891	106,891	106,891	106,891	1,282,692
12	Total Expense Recovery	sum (lns 6-11)	2,188,351	2,278,351	2,278,351	2,278,351	2,368,351	25,990,212
13	Income Taxes @ 38%	(In 30/(138))-In 30						2,343,211
14	Return Amount	ln 33						4,975,837
15	Total Revenue Requirement	sum (lns 12-14)	2,188,351	2,278,351	2,278,351	2,278,351	2,368,351	33,309,260
16	Over/(Under) Allowed ROE	ln 4 - ln 15						(1,249,260)
17	Risk Sharing Deadband (+/-)	ln 35						(619,733)
18	Actual Hedge Cost/(Credit)	ln 17 - ln 16			Amou	nt outside of th	ne Deadband	629,527
	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda	ar Year			Amou	nt outside of th	ne Deadband	998,332
18 19 20	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection				Amou	nt outside of th	ne Deadband	
18 19 20 21	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base:	ar Year						998,332
18 19 20 21 22	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance	ar Year	64,311,525	73,660,905	Amou 72,344,435	71,027,965	79,610,045	998,332
18 19 20 21 22 23	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance Plus: New Gas Wells	ar Year	10,565,850		72,344,435	71,027,965 9,898,550	79,610,045	998,332
18 19 20 21 22 23 24	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort	ar Year	10,565,850 (1,001,235)	(1,076,235)	72,344,435 (1,076,235)	71,027,965 9,898,550 (1,076,235)	79,610,045 (1,151,235)	998,332
18 19 20 21 22 23 24 25	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes	ar Year In 18 - In 19	10,565,850 (1,001,235) (215,235)	(1,076,235) (240,235)	72,344,435 (1,076,235) (240,235)	71,027,965 9,898,550 (1,076,235) (240,235)	79,610,045 (1,151,235) (265,235)	998,332
18 19 20 21 22 23 24 25 26	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance	ar Year	10,565,850 (1,001,235)	(1,076,235)	72,344,435 (1,076,235)	71,027,965 9,898,550 (1,076,235)	79,610,045 (1,151,235)	998,332 (368,806)
18 19 20 21 22 23 24 25 26 27	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance 13 Month Average for Investment Base	ar Year In 18 - In 19	10,565,850 (1,001,235) (215,235)	(1,076,235) (240,235)	72,344,435 (1,076,235) (240,235)	71,027,965 9,898,550 (1,076,235) (240,235)	79,610,045 (1,151,235) (265,235)	998,332
18 19 20 21 22 23 24 25 26 27 28	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance 13 Month Average for Investment Base Return on Investment Base	ar Year In 18 - In 19	10,565,850 (1,001,235) (215,235)	(1,076,235) (240,235)	72,344,435 (1,076,235) (240,235)	71,027,965 9,898,550 (1,076,235) (240,235)	79,610,045 (1,151,235) (265,235)	998,332 (368,806)
18 19 20 21 22 23 24 25 26 27 28 29	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance 13 Month Average for Investment Base Return on Investment Base Equity %	ar Year In 18 - In 19	10,565,850 (1,001,235) (215,235)	(1,076,235) (240,235)	72,344,435 (1,076,235) (240,235)	71,027,965 9,898,550 (1,076,235) (240,235) 79,610,045	79,610,045 (1,151,235) (265,235) 78,193,575	998,332 (368,806) 64,039,085
18 19 20 21 22 23 24 25 26 27 28 29 30	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance 13 Month Average for Investment Base Return on Investment Base Equity % Allowed Return on Equity (ROE)	ar Year In 18 - In 19	10,565,850 (1,001,235) (215,235)	(1,076,235) (240,235)	72,344,435 (1,076,235) (240,235)	71,027,965 9,898,550 (1,076,235) (240,235) 79,610,045	79,610,045 (1,151,235) (265,235)	998,332 (368,806)
18 19 20 21 22 23 24 25 26 27 28 29 30 31	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance 13 Month Average for Investment Base Return on Investment Base Equity % Allowed Return on Equity (ROE) Debt %	ar Year In 18 - In 19	10,565,850 (1,001,235) (215,235)	(1,076,235) (240,235)	72,344,435 (1,076,235) (240,235)	71,027,965 9,898,550 (1,076,235) (240,235) 79,610,045	79,610,045 (1,151,235) (265,235) 78,193,575	998,332 (368,806) 64,039,085
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance 13 Month Average for Investment Base Return on Investment Base Equity % Allowed Return on Equity (ROE) Debt % Interest Rate	ar Year In 18 - In 19	10,565,850 (1,001,235) (215,235)	(1,076,235) (240,235)	72,344,435 (1,076,235) (240,235)	71,027,965 9,898,550 (1,076,235) (240,235) 79,610,045	79,610,045 (1,151,235) (265,235) 78,193,575 * In 29 * In 30	998,332 (368,806) 64,039,085 3,823,133
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance 13 Month Average for Investment Base Return on Investment Base Equity % Allowed Return on Equity (ROE) Debt % Interest Rate Return on Investment Base	ar Year In 18 - In 19	10,565,850 (1,001,235) (215,235)	(1,076,235) (240,235)	72,344,435 (1,076,235) (240,235)	71,027,965 9,898,550 (1,076,235) (240,235) 79,610,045	79,610,045 (1,151,235) (265,235) 78,193,575 * In 29 * In 30	998,332 (368,806) 64,039,085 3,823,133 4,975,837
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	Actual Hedge Cost/(Credit) Forecasted Hedge Cost/(Credit) Calenda Customer (Refund)/Collection Investment Base: Beginning Balance Plus: New Gas Wells Less: Depr, Depl & Amort +/- Deferred Taxes Ending Balance 13 Month Average for Investment Base Return on Investment Base Equity % Allowed Return on Equity (ROE) Debt % Interest Rate	ar Year In 18 - In 19 sum (Ins 22-25)	10,565,850 (1,001,235) (215,235)	(1,076,235) (240,235)	72,344,435 (1,076,235) (240,235)	71,027,965 9,898,550 (1,076,235) (240,235) 79,610,045	79,610,045 (1,151,235) (265,235) 78,193,575 * In 29 * In 30	998,332 (368,806) 64,039,085 3,823,133

BHUH Hedge Cost/(Credit) Allocation to Each State

		Current							
Line		Annual	Hedge	Percentage					
No.	State:	<u>Demand</u>	<u>Target</u>	<u>Share</u>					
1	lowa	17,300,000	8,650,000	23.83%					
2	Kansas	13,000,000	6,500,000	17.91%					
3	Nebraska	16,200,000	8,100,000	22.31%					
4	Colorado	19,000,000	9,500,000	26.17%					
5	Wyoming	6,500,000	3,250,000	8.95%					
6	South Dakota	600,000	300,000	0.83%					
7	_	72,600,000	36,300,000						
8				Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16
9	Hedge Foreca	st Amount - To	tal	310,267	310,267	310,267	100,267	100,267	(17,179)
10	Each State's Per	centage Share t	to be Included	in the Monthly	/ Adjustme	ent Clause Cal	culation		
11	Iowa			73,934	73,934	73,934	23,893	23,893	(4,094)
12	Kansas			55,558	55,558	55,558	17,954	17,954	(3,076)
13	Nebraska			69,233	69,233	69,233	22,374	22,374	(3,833)
14	Colorado			81,199	81,199	81,199	26,241	26,241	(4,496)
15	Wyoming			27,779	27,779	27,779	8,977	8,977	(1,538)
16	South Dako	ta		2,564	2,564	2,564	829	829	(142)
17				310,267	310,267	310,267	100,267	100,267	(17,179)
18									
19				Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
20	-	st Amount - To		34,405	34,405	(6,159)	(6,159)	(6,159)	(166,159)
21	Each State's Per	centage Share	to be Included	in the Monthly	/ Adjustme	ent Clause Cal	culation		
22	Iowa			8,199	8,199	(1,468)	(1,468)	(1,468)	(39,594)
23	Kansas			6,161	6,161	(1,103)	(1,103)	(1,103)	(29,753)
24	Nebraska			7,677	7,677	(1,374)	(1,374)	(1,374)	(37,077)
25	Colorado			9,004	9,004	(1,612)	(1,612)	(1,612)	(43,485)
26	Wyoming			3,080	3,080	(551)	(551)	(551)	(14,877)
27	South Dako	ta		284	284	(51)	(51)	(51)	(1,373)
28				34,405	34,405	(6,159)	(6,159)	(6,159)	(166,159)
29									
30	Hedge Year-End	Calculation - C	ustomer (Refu	•-			(368,806)		
31	lowa			(87,883)					 1
32	Kansas			(66,040)		The Hedge Y			
33	Nebraska			(82,295)		included in t			
34	Colorado			(96,519)		for customer	rates going	ınto effect i	n
35	Wyoming			(33,020)		July.			
36	South Dako	ta		(3,048)					