

EXHIBIT 3
Direct Testimony and Exhibits
IVAN VANCAS

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF SOUTH DAKOTA

In the Matter of the Application of Black Hills Power, Inc.

To Approve Tariff Revisions Related to Its Cost of Service
Gas Agreement With Black Hills Utility Holdings, Inc.

Docket No. EL 15 –__

September 30, 2015

TABLE OF CONTENTS

I.	INTRODUCTION AND QUALIFICATIONS	1
II.	PURPOSE OF TESTIMONY	2
III.	INTRODUCTION OF WITNESSES PROVIDING TESTIMONY SUPPORTING THE APPLICATION.....	3
IV.	SUMMARY OF THE COST PROGRAM AND THE COMPANY'S APPLICATION.....	5
V.	GENERAL DESCRIPTION OF BHUH AND THE COMPANY'S CURRENT GAS PROCUREMENT STRATEGY.....	6
VI.	THE COSG PROGRAM.....	15
VII.	THE COSG AGREEMENT	27
VIII.	COMPLIANCE WITH RING-FENCING PROTECTIONS.....	30
IX.	CONCLUSION	37

Exhibits

Exhibit 3.1	Cost of Service Gas Agreement
Exhibit 3.2	Percentages of Gas Supply Purchases by Type (CONFIDENTIAL)
Exhibit 3.3	Summary of financial and operational terms
Exhibit 3.4	Diagram of Possible Structures for COSG Program

1 **I. INTRODUCTION AND QUALIFICATIONS**

2 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

3 A. Ivan Vancas, 625 Ninth Street, P.O. Box 1400, Rapid City, South Dakota 57701.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am employed by Black Hills Corporation (“BHC”) as Vice President, Operations
6 Services. My areas of responsibility include directing asset optimization, which
7 includes generation dispatch and power marketing, gas supply, and electric
8 transmission, and I also direct electric and gas engineering, customer service,
9 environmental and safety for BHC.

10 **Q. FOR WHOM ARE YOU TESTIFYING?**

11 A. I am testifying on behalf of Black Hills Power, Inc. (the “Company”).

12 **Q. PLEASE DESCRIBE YOUR EDUCATIONAL AND BUSINESS**
13 **BACKGROUND.**

14 A. In 1989, I graduated from Kansas State University with a Bachelor of Science
15 Degree in Electrical Engineering. I joined Black Hills/Colorado Gas Utility
16 Company on July 14, 2008 as Vice President of Colorado and Kansas Gas
17 Operations. On August 31, 2010, I became Vice President of Utility Services for
18 BHC and continued in that role until I accepted my current position, which I have
19 held since June 2012. Prior to working for Black Hills, I worked for Aquila, Inc.
20 and its predecessor companies since 1989, and held various positions in field
21 operations, engineering and management.

1 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THIS COMMISSION?**

2 A. No.

3 **II. PURPOSE OF TESTIMONY**

4 **Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY?**

5 A. My testimony introduces each of the witnesses who have provided testimony in
6 support of the Company's application and briefly describes the topics of their
7 respective testimony. In addition, I explain what the Company is requesting in its
8 application, explain the manner in which the Company currently procures natural
9 gas supply for the benefit of its customers, and describe the purpose and reasons
10 for a long-term hedge program like the proposed Cost of Service Gas Program
11 ("COSG Program"). My testimony also addresses how the COSG Program is
12 designed to provide long-term price stability to customers with reasonably
13 anticipated savings for customers over the life of the program. I describe how the
14 COSG Program will operate, including its business structure, and the involvement
15 of Black Hills Utility Holdings, Inc. ("BHUH") and COSGCO (the subsidiary of
16 BHUH that would acquire the gas reserve interests) in the COSG Program. I also
17 discuss the terms of the Cost of Service Gas Agreement (the "COSG Agreement"),
18 a copy of which is attached as Exhibit 3.1 to my testimony. Finally, I discuss
19 certain ring-fencing protections and explain how the COSG Program is consistent
20 with and will provide those protections to the Company's utility operations.

1 **III. INTRODUCTION OF WITNESSES PROVIDING TESTIMONY**

2 **SUPPORTING THE APPLICATION**

3 **Q. PLEASE IDENTIFY THE COMPANY’S OTHER WITNESSES AND**
4 **PROVIDE A BRIEF DESCRIPTION OF THEIR TESTIMONY.**

5 A. In addition to my testimony, the Company’s application is supported by the
6 testimony of the following individuals:

7 John Benton: Mr. Benton describes the gas exploration and production industry,
8 including common structures for acquiring gas reserves and the types of
9 production costs incurred in gas exploration and production. His testimony also
10 discusses Black Hills Exploration and Production, Inc. (“BHEP”), its history and
11 expertise in acquiring and developing shale and tight gas reserves, and its advisory
12 and other potential roles in the COSG Program.

13 Julia Ryan (Aether Advisors LLC): Ms. Ryan discusses Aether’s review of the
14 Company’s gas portfolio strategy, the recommendations Aether has made
15 regarding actions the Company should consider taking to include long-term
16 hedging mechanisms, and explains how the COSG Program, , is consistent with
17 that objective.

18 Richard (“Chuck”) Loomis: Mr. Loomis explains the Company’s current
19 diversified portfolio approach to gas supply, and the reasons for its decision to
20 seek approval to hedge up to 50% of the Company’s natural gas demand under the
21 COSG Program. Mr. Loomis also explains the long-term natural gas price

1 forecast used by the Company and Aether Advisors, LLC (an expert retained by
2 BHUH) in its assessment of the COSG Program.

3 T. Aaron Carr: Mr. Carr describes the regulatory oversight of the COSG Program
4 as well as the customer protections incorporated into the COSG Agreement and
5 the COSG Program design, including (i) guidelines for future acquisitions and
6 drilling plans, (ii) reviews of those acquisitions and drilling plans, (iii) the
7 retention of independent accounting and hydrocarbon monitors, and (iv) other
8 COSG Program protections for customers. Finally, Mr. Carr explains a
9 hypothetical model used by the Company as a tool to evaluate the costs and
10 benefits of the COSG Program as compared with the costs and benefits that would
11 result from the continued purchase of gas at the prices in the long-term spot
12 market.

13 Christopher J. Kilpatrick: Mr. Kilpatrick's testimony addresses accounting and
14 regulatory issues related to the COSG Program, including, how "Hedge Credits"
15 and "Hedge Costs" are forecast and determined; how investment base, expenses,
16 revenues, and return on equity are calculated; how forecast and actual costs will be
17 accounted for, trued-up and adjusted as necessary; and how tariff sheets will be
18 modified in light of the COSG Program.

19 Mr. Adrien McKenzie discusses the capital structure of the COSG Program and
20 the basis for and reasonableness of the requested return on equity.

1 **IV. SUMMARY OF THE COST PROGRAM AND THE**
2 **COMPANY’S APPLICATION**

3 **Q. CAN YOU PROVIDE A BRIEF SUMMARY OF THE COSG PROGRAM?**

4 A. The COSG Program is designed to be a long-term hedging program to reduce the
5 Company’s customers’ exposure to the volatility of gas prices, to provide long-
6 term price stability through a physical hedge, and to provide an opportunity for
7 customers to pay less than market prices over the long term. Under the COSG
8 Program, the physical hedge would be created through the acquisition, by
9 COSGCO, of reserves that are producing or would be drilled to produce gas at
10 production cost which, over the life of the wells and on a net present value basis,
11 are anticipated to be below forecast market prices. In other words, the COSG
12 Program would effectively peg a portion of customers’ gas costs to today’s low
13 gas prices and to stable and predictable production costs during the term of the
14 COSG Agreement.

15 **Q. PLEASE EXPLAIN WHAT THE COMPANY IS REQUESTING IN ITS**
16 **APPLICATION.**

17 A. The Company is requesting that the Commission:

- 18 1. Approve Black Hills Power’s revisions to its Fuel and Purchase Power
19 Adjustment (“FPPA”) tariff provision for its electric utility operations to
20 include the costs incurred by Black Hills Power under the COSG

1 Agreement that has been executed by the Company and BHUH, as further
2 described herein;

- 3 2. Approve the COSG Agreement, as may be determined necessary by the
4 Commission to address approval of the revised tariffs; and
- 5 3. Grant such waivers, conditions, approvals or other and further relief as the
6 Commission deems necessary or appropriate, consistent with this
7 Application.

8 **V. GENERAL DESCRIPTION OF BHUH AND THE COMPANY'S**

9 **CURRENT GAS PROCUREMENT STRATEGY**

10 **Q. WHAT IS BHUH AND HOW IS IT RELATED TO THE COMPANY'S**
11 **APPLICATION?**

12 A. BHUH is a wholly owned subsidiary of BHC. BHUH was organized in July 2008
13 when BHC purchased certain gas and electric utility operating companies from
14 Aquila, Inc. BHUH is the parent corporation of those operating companies, which
15 include (as renamed):

- 16 • Black Hills/Colorado Electric Utility Company, LP;
- 17 • Black Hills/Colorado Gas Utility Company, LP;
- 18 • Black Hills/Iowa Gas Utility Company, LLC;
- 19 • Black Hills/Kansas Gas Utility Company, LLC; and
- 20 • Black Hills/Nebraska Gas Utility Company, LLC

1 (collectively, “the BHUH Utilities”). BHUH also provides services and support to
2 three additional affiliated BHC utility companies:

- 3 • Black Hills Power, Inc.;
- 4 • Cheyenne Light, Fuel and Power Company; and
- 5 • Black Hills Northwest Wyoming Gas Utility Company, LLC

6 (collectively, “the “Affiliated Utilities”). For the sake of simplicity, I will refer to
7 the BHUH Utilities and the Affiliated Utilities simply as “the Utilities.” Under the
8 COSG Program, BHUH would be a party to the COSG Agreement and would be
9 responsible for overseeing COSGCO (which would be a wholly owned, direct
10 subsidiary of BHUH that would acquire the gas reserves), administering the
11 COSG Program, and ensuring that costs and credits are properly allocated to each
12 utility participating in the COSG Program. The responsibility of COSGCO is
13 described later in my testimony.

14 **Q. DOES BHUH CURRENTLY PLAY ANY ROLE IN THE UTILITIES’ GAS**
15 **PURCHASES AND, IF SO, WHAT ROLE DOES IT PLAY?**

16 A. BHUH currently enters into gas supply and transportation contracts in BHUH’s
17 name to obtain the gas supply necessary to meet the BHUH Utilities’ gas needs.
18 After purchasing gas for the BHUH Utilities, BHUH uses contracted pipeline
19 capacity to transport the gas to each utility at specified locations along the
20 pipeline. The costs involved in this process are allocated to each BHC utility
21 according to that utility’s designated share of the costs. The process is slightly

1 different for the Affiliated Utilities. The Affiliated Utilities each have their own
2 gas supply and transportation contracts that are managed by BHUH as agent.
3 After gas purchases are made by the Affiliated Utilities, that gas is transported
4 over each Affiliated Utility's interstate pipeline capacity to the utility. Any costs
5 BHUH incurs in acting as agent for the Affiliated Utilities are either directly
6 charged or allocated to each Affiliated Utility according to its share of those costs.

7 **Q. WHAT KINDS OF ARRANGEMENTS DOES THE BHUH CURRENTLY**
8 **USE TO ASSIST BHC'S UTILITIES TO MEET THEIR NATURAL GAS**
9 **NEEDS?**

10 A. As noted, BHUH currently assists the Company in obtaining the necessary natural
11 gas for its electric generation needs. In addition, as explained in more detail in the
12 testimony of Richard C. Loomis, certain utilities of BHC (herein "Entities")
13 acquire natural gas, through or with the assistance of BHUH, from producers and
14 marketers under various arrangements, including spot market purchases, short-
15 term fixed price contracts and storage purchases, and short-term and medium-term
16 financial hedges.¹ The general percentages of the Company's annual gas supply
17 purchased through each of these methods are identified on Exhibit 3.2 to my
18 testimony.

¹ Short-term hedging refers to hedging for the current year and the upcoming gas year (i.e. 1-2 years). Medium-term Hedging refers to hedging for gas years 3-7. The only medium-term hedging engaged in by BHUH relates to certain hedging for its Colorado electric utility.

1 **Q. WHY DOESN'T BHUH, ON BEHALF OF THE UTILITIES, SECURE**
2 **LONG-TERM FIXED PRICE CONTRACTS OR HEDGES TO AVOID**
3 **MARKET PRICE INCREASES?**

4 A. Producers are typically not inclined to enter into long-term fixed price contracts as
5 contemplated in the COSG Program due primarily to limitations on upside return,
6 *i.e.* if prices rise in the future they are unable to receive the benefit of those
7 increases. John Benton discusses this and other reasons why producers are not
8 inclined to enter into such contracts.

9 While long-term financial hedges may be available on a limited basis, they
10 command a forward price premium, and would subject the Company to assuming
11 significant collateral posting requirements and counterparty credit risk.

12 **Q. HAS THE BHUH, ON BEHALF OF THE COMPANY, EXPLORED**
13 **OPTIONS FOR LONG-TERM FIXED PRICE NATURAL GAS**
14 **CONTRACTS? IF SO, WHAT WERE THE RESULTS?**

15 A. Yes. As explained in more detail in the testimony of Richard C. Loomis, the
16 Company, through BHUH, has investigated the availability and cost of long-term
17 fixed price natural gas contracts and hedges. [REDACTED]

18 [REDACTED]

19 [REDACTED] The reasonably anticipated price for
20 the proposed COSG Program would be lower than this figure.

1 **Q. AREN'T THE CURRENT SPOT MARKET PRICES AT ONE OF THE**
2 **HISTORIC LOWS? IF SO, WHY SHOULD THE COMPANY TAKE ANY**
3 **ACTION NOW TO IMPLEMENT A LONG-TERM HEDGING**
4 **STRATEGY?**

5 While it is true that spot market prices are at one of the historic low points
6 compared to recent history, current prices are insufficient to generate the funds
7 necessary to drill new wells except in the most efficient locations, even in shale
8 gas or tight gas formations. History has also shown that prices are volatile and
9 will likely rise, and could even rise rapidly to levels that are substantially higher
10 than the current prices. In her testimony, Julia Ryan discusses historical and
11 forecast gas prices, noting that, because gas prices are at one of the low points
12 compared to recent history, and are at or near the break-even price, prices in the
13 future are more likely to rise than fall.

14 In addition, it is worth noting that, short- and mid-term fixed price contracts and
15 financial hedges are not, by themselves, sufficient to blunt the impact of the price
16 increases, because these contracts and hedges tend to track the current market
17 price. As the market price of gas rises, the cost of short- to medium-term fixed-
18 price contracts and financial hedges will similarly rise. By contrast, if natural gas
19 prices increase, the value of the Hedge Credits the customers would receive under
20 the COSG Program (one of the benefits of the program) would increase. Thus, the
21 higher the market price, the greater the benefit of the COSG Program. The COSG

1 Program is anticipated to provide a lower-cost alternative to these more expensive
2 market options, with greater price stability over the life of the COSG Program.

3 **Q. CAN YOU MORE SPECIFICALLY EXPLAIN THE BENEFIT TO**
4 **PURSUING THE COSG PROGRAM NOW IN LIGHT OF THE LOW**
5 **NATURAL GAS SPOT MARKET PRICE?**

6 A. Yes. The cost of acquiring reserves correlates to the market price of natural gas.
7 This is the real advantage of implementing the COSG Program now, because
8 natural gas reserves can be acquired and produced at a more favorable price over a
9 long term as compared to a period when natural gas market prices may be higher.
10 Moreover the reserves would be acquired in a low interest rate environment which
11 may make financing a transaction now far more attractive than in subsequent
12 years. In addition, because of the low market prices and the current excess gas
13 capacity, which has caused a slow-down in drilling and production, COSGCO
14 may be able to obtain favorable production and drilling service contracts for
15 longer-term periods with contractors in need of steady work. Finally, as described
16 more fully in the Aether report, gas prices are likely to rise in the future due to
17 increased domestic demand, LNG exports and the EPA Clean Power Plan, among
18 other influences.

1 **Q. WHAT IS THE BENEFIT OF OWNING RESERVES RATHER THAN**
2 **RELYING ON FINANCIAL OR PHYSICAL HEDGES?**

3 A. There are a number of benefits to owning reserves compared to other forms of
4 hedging. Specifically,

5 1. Available financial hedges and fixed price gas contracts are for limited
6 terms and cannot protect customers against longer-term increases in the
7 price of natural gas.

8 2. The price of gas under the COSG Program can be reasonably anticipated to
9 be lower, on a net present value (“NPV”) basis, than the price under a series
10 of short-term hedges that, over time, will follow spot market prices.

11 3. The buyer, in this case COSGCO, a subsidiary of BHUH, holds title to a
12 physical asset, as opposed to a contractual promise from a counterparty that
13 is at risk of default. Ownership of reserves constitutes the highest security
14 of supply/production.

15 4. If natural gas prices increase significantly, the value of the “Hedge Credit”
16 to customers under the COSG Program increases.

17 **Q. HAVE OTHER UTILITIES IMPLEMENTED LONG-TERM PHYSICAL**
18 **HEDGE PROGRAMS?**

19 A. Yes. A number of utilities or utility affiliates have implemented or are currently
20 seeking to implement long-term physical hedge programs. A few examples
21 demonstrate how such programs are being structured. For example, the Utah and

1 Wyoming public utility commissions approved a long-term physical hedge
2 program for Questar Gas in 1981.² Under that program, Wexpro, an exploration
3 and production company affiliate of Questar Gas, drills wells to produce gas for
4 the benefit of Questar Gas' customers. An additional program was approved in
5 2013 known as Wexpro II, allowing Wexpro to acquire and develop additional
6 properties.³ The utility commissions in Utah and Wyoming have approved an
7 acquisition under that new program. In addition, in 2011, the Oregon Public
8 Utility Commission approved Northwest Natural Gas Company's ("NW Natural")
9 \$250 million joint development agreement with Encana Oil and Gas (USA) Inc.⁴
10 NW Natural acquired reserves in a Wyoming gas field by paying a portion of the
11 costs to drill new wells. Upon the termination of this joint drilling program,
12 Northwest Natural Gas has the opportunity to develop additional gas reserves on
13 the subject property under a joint operating agreement. Similarly, in 2014, Florida
14 Power & Light sought and obtained approval from the Florida Public Service
15 Commission to invest \$191 million in a joint venture with PetroQuest Energy, Inc.
16 to develop and operate new natural gas production wells in the Woodford Shale

² *In re the Investigation of the Transfer of Certain Wells, Leases, Lands and Related Buildings and Interests of Mountain Fuel Supply Company and/or Wexpro Company to Celsius Energy Company or Any Other Entity or Person*, Dkt. No. 81-057-04, Report and Order on Stipulation and Agreement (December 31, 1981).

³ *In the Matter of the Application of Questar Gas Company for Approval to Include Property Under the Wexpro II Agreement*, Dkt. No. 13-057-13, Report and Order (Jan. 17, 2014).

⁴ *In the Matter of Northwest Natural Gas Company's Applications for Deferred Accounting Order Regarding Purchase of Natural Gas Reserves and Proposed Purchase of Natural Gas Reserves*, Docket Nos. UM1520 & UG 204, Order (April 28, 2011).

1 Gas region in Oklahoma.⁵ Unlike Northwest Natural Gas, Florida Power & Light
2 does not have the right to participate in additional drilling on the properties subject
3 to their agreement with PetroQuest. However, in 2015, the Florida Public Service
4 Commission approved guidelines under which Florida Power & Light can invest
5 up to \$500 million annually in additional gas reserves.⁶ To secure a long-term
6 supply of natural gas at relatively fixed prices, Washington Gas, a Virginia utility,
7 recently entered into a \$126 million purchase and sale agreement with Energy
8 Corporation of America (“ECA”) to acquire 22 producing natural gas wells in
9 Pennsylvania for 20 years.⁷ Finally, in 2012, the Montana Public Service
10 Commission approved NorthWestern Energy’s (“NorthWestern”) request to
11 include natural gas production properties in rate base and to allow for recovery of
12 expenses associated with the acquisition of the natural gas production properties.⁸
13 In 2013, NorthWestern spent \$70.2 million to acquire Devon Energy Production
14 Company’s interest in approximately 900 natural gas wells in Montana’s Bear
15 Paw Basin.⁹

⁵ *In re Fuel Cost Recovery*, Dkt. No. 150001-E1, Order No. PSC-15-0038-FOF-EI 7 (FPSC Jan. 12, 2015).

⁶ *In Re Fuel and Purchase Power Cost Recovery Clause With Generating Performance Incentive Factor (In Re Fuel Cost Recovery)*, Dkt. No. 150001-E1, Doc. No. 03723-15 (FPSC June 18, 2015).

⁷ *In re Wash. Gas Light Co.*, Dkt. No. PUE-2015-00055, Doc. No. 150520224 (VSCC May 12, 2015).

⁸ *In re NorthWestern Energy’s Application to Place the Battle Creek Natural Gas Production Resources in Rate Base and Recover Associated Expenses (In re NorthWestern)*, Dkt. No. D2012.3.25, Order No. 7210b at 17-18, 21 (MPSC Nov. 16, 2012).

⁹ *NorthWestern Energy Completes Purchase of Natural Gas Assets in Montana*, PR Newswire (Dec. 2, 2013), available at <http://www.prnewswire.com/news-releases/northwestern-energy-completes-purchase-of-natural-gas-assets-in-montana-234142471.html>.

1 **Q. ARE THERE RISKS IN INVESTING IN RESERVES?**

2 A. Yes. John Benton’s testimony describes several risks, including (i) the risk that
3 the volume of gas actually produced is less than the volume of estimated reserves,
4 and (ii) the risk that the actual costs to develop reserves is greater than expected.
5 However, the acquisition guidelines incorporated into the COSG Agreement focus
6 investment in gas reserves that are “proven,” which means they have the greatest
7 probability of being recovered (e.g., 90% or more for proved developed producing
8 reserves) and that have predictable and consistent costs per well. In addition, there
9 are environmental risks with investing in reserves, predominantly dealing with
10 compliance with current and evolving rules and regulations. Since BHEP has
11 extensive exploration and production experience, BHEP is qualified to assist
12 COSGCO in evaluating and mitigating these risks.

13 **VI. THE COSG PROGRAM**

14 **Q. PLEASE DESCRIBE IN MORE DETAIL THE COSG PROGRAM.**

15 A. To minimize customers’ exposure to the volatility of gas market prices, to provide
16 long-term price stability through a physical hedge, and to provide an opportunity
17 for customers to pay less than market prices over the long term, the Company has
18 entered into the COSG Agreement with BHUH. Other BHC utility companies in
19 several states propose to enter into the COSG Agreement with BHUH.
20 Specifically, as proposed, the COSG Program is being submitted for Commission

1 or Board approval in the following states: Colorado, Iowa, Kansas, Nebraska,
2 South Dakota, and Wyoming.

3 Under the COSG Program, BHUH, through COSGCO, would acquire gas
4 reserves, using non-Company funds. As required by the acquisition criteria in the
5 COSG Agreement, the acquired reserves would consist of fields with proven
6 reserves and an operating history, demonstrating drilling and operating costs. In
7 addition, the acquired reserves would be located in fields with established
8 gathering and processing capabilities and connections to interstate pipelines, or in
9 fields for which production and transportation costs can be reliably estimated to
10 minimize risk. The estimated cost of acquiring, developing, and producing the
11 reserves would be, on a net present value basis, at a cost anticipated to be less than
12 the long-term market price gas forecast, such that the acquisition and development
13 would be reasonably anticipated to save the Company's customers money over the
14 life of the COSG Program.

15 COSGCO would produce natural gas and associated liquids. However, unless
16 agreed otherwise, the Company would not directly receive the gas produced from
17 the wells. Rather, for tax and other reasons explained below, the gas produced
18 would be sold to third parties, and BHUH would purchase or act as agent in
19 purchasing, from the market, gas needed by the Company just as it does today.
20 Under the COSG Program, when the effective cost of gas is less than the market
21 price of gas, customers will receive the benefit of a "Hedge Credit" that would

1 offset or reduce the gas price paid by customers. By contrast, when the effective
2 cost of gas is more than the market price of gas, the Company would be charged a
3 “Hedge Cost” to make up for the difference.

4 To provide oversight of the COSG Program, BHUH would retain, subject to
5 Commission approval, a Hydrocarbon Monitor. The Hydrocarbon Monitor would
6 be an independent third party not affiliated in any way with the Company or
7 BHUH and would (i) assess any proposed acquisition or an initial drilling plan and
8 provide a written recommendation regarding whether the proposed acquisition or
9 drilling plan satisfies the criteria in the COSG Agreement; and (ii) assess every
10 five years the future drilling plans and provide a written recommendation
11 regarding whether the those plans satisfy the drilling criterion in the COSG
12 Agreement. In addition, BHUH would retain, again subject to Commission
13 approval, an Accounting Monitor. The Accounting Monitor, also an independent
14 third party not affiliated with the Company or BHUH, would conduct annual
15 assessments of BHUH’s calculations under the COSG Program as provided by the
16 COSG Agreement and provide an assurance report of its findings for the
17 Commission. T. Aaron Carr discusses the Monitors in more detail in his direct
18 testimony.

1 **Q. HAVE YOU PREPARED A SUMMARY OF THE FINANCIAL AND**
2 **OPERATIONAL TERMS OF THE COSG PROGRAM?**

3 A. Yes. Attached as Exhibit 3.3 to my testimony is a summary of the principal
4 financial and operational terms of the COSG Program.

5 **Q. HOW WOULD COSGCO ACQUIRE AND DEVELOP THE RESERVES?**

6 A. As addressed in John Benton's direct testimony, acquisitions would be structured
7 either as direct purchases of gas reserves (like Washington Gas) or under a joint
8 development arrangement (similar to what Northwest Natural Gas and Florida
9 Power and Light did), or a combination of both. Attached as Exhibit 3.4 are
10 diagrams showing two possible structures for how the COSG Program would
11 work depending upon the kind of acquisition available.

12 Under Alternative A, COSGCO would purchase gas reserves from a third party.
13 BHEP or another third party would operate existing wells and drill new wells on
14 the property and produce the gas for COSGCO.

15 Under Alternative B, COSGCO would earn an interest in the reserves by funding a
16 portion of the drilling and operating costs for a third party. BHEP or another third
17 party would operate existing wells and drill new wells on the property and produce
18 the gas, again on COSGCO's behalf. If BHEP is not the operator of the wells, it
19 would still be involved as COSGCO's expert to monitor the performance of the
20 third party and protect COSGCO's interests.

1 **Q. HOW MUCH OF THE COMPANY’S GAS WOULD BE HEDGED BY THE**
2 **COSG PROGRAM?**

3 A. As explained in the testimony of Richard C. Loomis and based on the report and
4 recommendation of Aether Advisors, LLC, the COSG Program would physically
5 hedge up to 50% of the Company’s forecasted annual firm gas demand each year.

6 **Q. IS THERE A RISK TO CUSTOMERS FROM DELAYING ACQUISITION**
7 **OF A HIGHER LEVEL OF RESERVES AND IMPLEMENTING THE**
8 **COSG PROGRAM AS A SIGNIFICANT COMPONENT OF THE**
9 **PORTFOLIO?**

10 A. Yes. Importantly, assigning 50% of the portfolio to cost of service gas and
11 including numerous customer protections is a superior approach than establishing
12 a lower initial target percentage of the portfolio, and then trying to increase it later.
13 Under the COSG Program, as market prices rise, customer benefits (savings
14 relative to market prices) increase when a higher percentage of the portfolio is
15 stable-priced cost of service gas. Additionally, as market prices rise, the cost of
16 acquiring incremental reserves increases and competition for drilling rigs and
17 drilling services increases, leading to higher costs and an increased risk that
18 resources and service providers will not be available. In other words, by waiting,
19 the Company could essentially be chasing the market, which would undermine the
20 desired long-term price stability provided by long-term hedging through the
21 COSG Program. This is demonstrated by figure 73 of the Aether Report (Exhibit

1 5.1 to the direct testimony of Julia Ryan), which shows that, while there is an
2 element of opportunity cost that exists in low price scenarios, enhanced price
3 stability and greater opportunities for cost savings are achieved with a higher
4 percentage of the portfolio being comprised of production from owned reserves.
5 Essentially, Aether's research demonstrates that there is more upside opportunity
6 to provide benefits to customers and relatively little additional downside risk by
7 acquiring reserves now and implementing a cost of service gas program to provide
8 50% of the portfolio.

9 **Q. WHY UNDER THE COSG PROGRAM WOULDN'T COSGCO SIMPLY**
10 **SELL ITS GAS TO THE COMPANY?**

11 A. By selling its gas to third parties in the market rather than directly to customers,
12 COSGCO would maximize the tax benefits available for the Company's
13 customers. In addition, depending upon where the acquired reserves are located,
14 delivering the produced gas directly to the utilities participating in the COSG
15 Program may be cost-prohibitive due to transportation and other costs.

16 **Q. WHY IS AN EXPEDITED REVIEW OF ACQUISITIONS AND DRILLING**
17 **PROGRAMS NECESSARY?**

18 A. As explained in more detail in John Benton's Direct Testimony, participants in the
19 oil and gas industry will not wait 6-12 months for regulatory approval from
20 multiple states as a condition to closing a transaction or entering into service
21 contracts. For example, sellers of oil and gas interests will most often be

1 interested in taking sales proceeds and quickly redeploying them elsewhere. As
2 such, the standard regulatory approval process is in most cases, too lengthy to
3 facilitate taking advantage of oil and gas opportunities. As such, without an
4 expedited approval process, COSGCO would miss opportunities to make the
5 strategic acquisitions or arrangements that may optimize the COSG Program and
6 benefits for the Company's customers.

7 **Q. HOW WOULD CUSTOMERS REALIZE THE ANTICIPATED BENEFITS**
8 **OF THE COSG PROGRAM?**

9 A. As explained in more detail in the direct testimony of Christopher J. Kilpatrick,
10 COSGCO would sell its gas (and other associated hydrocarbon products) with its
11 return on equity calculated based on its capital investment, operating expenses,
12 and revenue. As proposed, if COSGCO's actual return on equity from the sale of
13 gas and liquids is more than the allowed return on equity under the COSG
14 Program by more than 100 basis points in any given month, the Company would
15 receive a Hedge Credit from BHUH against the amount owing for gas purchases
16 during that month. This credit would then flow through to the Company's
17 customers through the FPPA. On the other hand, if COSGCO's actual return on
18 equity is less than the allowed return on equity by more than 100 basis points, a
19 Hedge Cost would be added by BHUH to the amount owed by the Company for
20 the gas purchases in that month. As explained in the direct testimony of Adrien
21 McKenzie and Christopher J. Kilpatrick, the allowed return on equity would be the

1 average of the annual return on equity for all gas and electric utility rate cases for
2 the calendar year, as reported by Regulatory Research Associates, provided that, if
3 there are less than twenty (20) gas and electric utility rate cases reported for a
4 calendar year, the Allowed ROE will be the average of (i) the average of the
5 annual return on equity for the gas and electric utility rate cases for that calendar
6 year, and (ii) the average of the annual return on equity for all gas and electric
7 utility rate cases for the prior calendar year, as reported by Regulatory Research
8 Associates. These Hedge Credits and Hedge Costs are how customers would
9 effectively receive a portion of their gas at a cost of service price.

10 **Q. WHAT IS THE REASON FOR THE 100 BASIS POINT BAND ABOVE OR**
11 **BELOW THE ALLOWED ROE?**

12 A. Simply put, if customers save money (Hedge Credit) as a result of the COSG
13 Program, the Company proposes to receive a portion of those savings up to an
14 amount equal to 100 basis points above its allowed return on equity. If, on the
15 other hand, customers pay an effective cost of service gas price that is above the
16 market price (Hedge Cost), BHUH is penalized for the first 100 basis points. This
17 arrangement incents BHUH to maximize the performance of the COSG Program.

18 **Q. HOW WOULD THE COST OF CAPITAL BE CALCULATED?**

19 A. As referenced in Christopher J. Kilpatrick's direct testimony, the calculation of
20 cost of capital used to acquire the reserves and to drill new wells would be based
21 on 40% debt, 60% equity structure. The cost of debt will be the weighted average

1 of the following: (i) the cost of long-term debt, if any, of COSGCO, and (ii) for
2 the balance of forty percent (40%) of Investment Base, the weighted average of
3 BHC's cost of long-term debt.

4 **Q. WHY IS THE COMPANY MAKING THIS FILING PRIOR TO AN**
5 **IDENTIFIED DRILLING PROPERTY BEING ACQUIRED?**

6 A. First, the COSG Program will require significant investment by COSGCO and a
7 long-term commitment by the Company. Second, the COSG Program will involve
8 several BHC utilities. Finally, the COSG Program incorporates proposed tariffs
9 and reserve acquisition criteria, which have not yet been approved by this or any
10 other Commission.

11 **Q. WHEN DO YOU EXPECT AN ACQUISITION TO BE BROUGHT TO THE**
12 **COMMISSION FOR REVIEW?**

13 A. The Company plans to bring a potential acquisition forward for review by the
14 Commission as soon as this application and the applications of other utilities that
15 are proposed to participate in the COSG Program are approved and a property is
16 identified. BHEP is currently evaluating potential acquisitions.

1 **Q. IF THE COMMISSION APPROVES THIS APPLICATION AND THE**
2 **VOLUME OF GAS TO BE HEDGED, IS THAT ALL THE APPROVAL**
3 **THE COMPANY REQUIRES TO FULLY IMPLEMENT THE COSG**
4 **PROGRAM?**

5 A. No. As stated above, the Company needs to identify reserve interests that meet the
6 criteria incorporated into the COSG Agreement and discussed in T. Aaron Carr's
7 testimony (e.g., at a price that would likely result in NPV savings over the life of
8 the asset). In addition, the Company would then need to submit the proposed
9 acquisition to the Commission under the expedited review process for approval.

10 **Q, IF A RESERVE INTEREST IS IDENTIFIED AND A DEAL**
11 **NEGOTIATED, UNDER WHAT TIME FRAME DOES THE COMPANY**
12 **EXPECT AN EXPEDITED REVIEW?**

13 A. Sellers generally cannot wait more than a month or two to consummate a
14 transaction as market prices fluctuate. The Company requests that an expedited
15 review of a potential acquisition be completed within 60 days from the date of
16 filing. In support of the expedited review, the Company would provide the
17 Commission with a report from the independent Hydrocarbon Monitor advising
18 whether the proposed acquisition satisfies the acquisition criteria approved by the
19 Commission in this proceeding.

1 **Q. WILL THE COMPANY PROCEED WITH THE COSG PROGRAM IF**
2 **THE COMMISSION DOES NOT APPROVE THE REQUESTED RELIEF?**

3 A. If the Company does not receive the requested relief from the Commission, the
4 Company will have to make the decision whether to proceed.

5 **Q. WILL THE COMPANY PURSUE COSG IF THE COMMISSION ORDERS**
6 **PARTICIPATION AT A LEVEL OF VOLUMES HEDGED THAT IS LESS**
7 **THAN THE COMPANY RECOMMENDS?**

8 A. The Company may or may not pursue the COSG Program depending on the levels
9 of volumes the Commission orders to be hedged. There has to be a level of scale
10 to the COSG Program to minimize administrative and other costs and to facilitate
11 a reasonable COSG price to customers that would make the COSG Program
12 viable.

13 **Q. IF THE COMMISSION DOES NOT APPROVE THE COMPANY'S**
14 **PROPOSED REVISED TARIFFS NOW, WILL THERE BE AN**
15 **OPPORTUNITY TO PARTICIPATE IN THE FUTURE OR INCREASE**
16 **PARTICIPATION LATER?**

17 A. Possibly. As the COSG Program is designed, only those utilities participating in
18 an acquisition and the drilling programs for a reserve interest will be able to
19 receive the benefits derived from that interest. If the participating utilities believe
20 it is prudent for them to allow other utilities to participate in the COSG Program, a
21 utility that does not participate in the COSG Agreement at inception may be

1 permitted by the parties to become a party to the COSG Agreement and participate
2 in subsequent acquisitions and drilling programs. However, it is also possible that
3 an initial acquisition will meet the hedge needs of the participating utilities, and
4 there may not be any future opportunities for a non-participating utility to join into
5 the COSG Program. Moreover, the terms and conditions of future participation
6 may vary significantly.

7 **Q. IS THE COSG PROGRAM CAPABLE OF BEING MODIFIED ON A**
8 **STATE-BY-STATE BASIS?**

9 A. With other than minimal exceptions, no. As proposed, the COSG Program is a
10 multi-state program that would involve utilities in Colorado, Iowa, Kansas,
11 Nebraska, Wyoming and South Dakota. Because the utilities that participate in the
12 COSG Program from these states would be parties to the same COSG Agreement
13 and the same program, the terms of that arrangement cannot be modified or varied
14 on a state-by-state basis without impacting other utilities and the processes in other
15 states. Where minor variations, such as the percentage of the Company's annual
16 forecast demand that will be hedged, can be made without impacting the rights and
17 obligations of other participants or adding excessive administrative costs to the
18 COSG Program, modifications may be approved to accommodate such variations.

1 **VII. THE COSG AGREEMENT**

2 **Q. WHAT IS THE COSG AGREEMENT AND WHY IS IT NECESSARY?**

3 A. The COSG Agreement is the governing document between BHUH and the utilities
4 participating in the COSG Program. It sets forth the parties' respective rights and
5 obligations. The COSG Agreement is necessary for several reasons. First, as
6 proposed, the COSG Program would involve BHUH, COSGCO, and multiple
7 utilities across several states, including the Company. The COSG Agreement
8 defines how the COSG Program will operate between these parties and provides
9 their respective rights and obligations. Second, the COSG Agreement explains
10 how Hedge Credits and Hedge Costs will be calculated and allocated, and
11 provides a means of enforcing the parties' rights and obligations. Third, because
12 the Company believes that independent oversight of the COSG Program is
13 appropriate, the COSG Agreement establishes what is expected of the
14 Hydrocarbon and Accounting Monitors and explains their reporting requirements.
15 Fourth, the COSG Agreement sets out the acquisition and drilling criteria and the
16 other guidelines for the COSG Program, and establishes the procedure for
17 Commission review of acquisitions and drilling programs.

18 **Q. WHO WOULD BE THE PARTIES TO THE COSG AGREEMENT?**

19 A. The parties to the COSG Agreement would be BHUH and each of the utilities that
20 participate in the COSG Program.

1 **Q. WHERE ARE THE ACQUISITION CRITERIA AND FIVE-YEAR**
2 **DRILLING CRITERION IN THE COSG AGREEMENT?**

3 A. The acquisition criteria are set forth in Exhibit A of the COSG Agreement. The
4 five-year drilling plan criterion is set forth in Exhibit B of the COSG Agreement.
5 These criteria are discussed in more detail in T. Aaron Carr's direct testimony.

6 **Q. WHAT IS THE TERM OF THE COSG AGREEMENT?**

7 A. As set forth in Section 6.1 of the COSG Agreement, the term of the COSG
8 Agreement would commence upon the effective date of the COSG Agreement and
9 would run until the wells on the acquired properties have been plugged and
10 abandoned, and the properties reclaimed. As explained in the testimony of John
11 Benton, the typical life of a tight gas well is at least 20 years.

12 **Q. IF THE COMMISSION WANTED THE COMPANY TO TERMINATE ITS**
13 **PARTICIPATION IN THE COSG AGREEMENT, CAN IT DO SO AND, IF**
14 **SO, WHEN CAN IT DO SO?**

15 A. Section 6.2 of the COSG Agreement provides that, if a utility is ordered by its
16 public utility commission or board to terminate its rights and obligations under the
17 COSG Agreement before the end of the term of the agreement, the terminating
18 utility will give notice of that direction to BHUH. After receiving the termination
19 notice, and to facilitate the termination and disposition of the terminating utility's
20 interest in the COSG Program, BHUH will cause COSGCO to sell an interest in
21 the Properties (excluding any Property in which the terminating utility did not

1 participate) that is functionally equivalent to the terminating utility's then-current
2 percentage share of the COSG Program. Before the sale can occur, however, the
3 remaining utilities must approve the interest to be sold and the terminating utility
4 must approve the sale price. Following the sale, the Investment Base, as set forth
5 in the COSG Agreement, will be adjusted to reflect the sale. The termination will
6 be effective at the end of the calendar month in which the sale closes so long as
7 any other amounts due under the COSG Agreement are paid. Pursuant to Section
8 6.4 of the COSG Agreement, if the sale proceeds are greater than the terminating
9 utility's share of Investment Base, then COSGCO will retain from the sale
10 proceeds an amount equal to the terminating utility's share and the excess
11 proceeds will be passed on to the terminating utilities' customers. In contrast, if
12 the proceeds are less than the terminating utility's share of Investment Base, then
13 COSGCO will retain the proceeds from the sale and the terminating utility will
14 also pay BHUH an amount equal to the shortfall, which such amount being
15 incorporated into the terminating utility's fuel purchase cost adjustment as a cost
16 of gas.

17 **Q. CAN THE COMMISSION ORDER THE COMPANY TO LOWER ITS**
18 **LEVEL OF PARTICIPATION IN THE COSG PROGRAM AT A FUTURE**
19 **DATE?**

20 **A.** Yes. Section 4.4 of the COSG Agreement provides that the Commission can
21 decide that the Company will not participate in any five-year drilling plan. As

1 explained in John Benton’s testimony, wells from shale or tight gas resources have
2 a decline curve that requires drilling of additional wells each year to maintain a
3 level volume of production from a particular property.

4 **VIII. COMPLIANCE WITH RING-FENCING PROTECTIONS¹⁰**

5 **Q. PLEASE IDENTIFY ANY PERTINENT¹¹ RING-FENCING**
6 **PROTECTIONS AND EXPLAIN HOW THE COSG PROGRAM**
7 **COMPLIES WITH THOSE PROTECTIONS.**

8 A. When BHC acquired the gas and electric utilities of Aquila in 2008, which were
9 located in Colorado, Iowa, Kansas and Nebraska, BHC, BHUH and the utilities
10 being acquired committed to comply with certain ring-fencing protections.
11 Additionally, in the acquisition of the Energy West system and MGTC system in
12 Wyoming in the past year, similar ring-fencing protections were also committed
13 to. While each state worded the protections in slightly different ways, those
14 protections can be organized into various categories. Below is a summary of the
15 protections in each category, as well as an explanation of how the COSG Program
16 complies with each protection:

¹⁰ The ring-fencing protections at issue derive out of acquisitions unrelated to South Dakota and, as such, have no relevance to the Company’s operations in this state. However, because those protections are imposed in other states, the Company has included a discussion of them to help the Commission understand the limitations and protections within which the COSG Program would operate.

¹¹ While there are other ring-fencing or ring-fencing-like protections, they relate to matters that are not related to the concepts proposed in the COSG Program.

1 **Accounting Protections**

- 2 • *All shared administrative expenses shall be properly allocated to*
3 *each BHUH Utility subsidiary:* Under the COSG Program, all
4 administrative expenses are part of the calculation of Hedge Credits
5 and Hedge Costs, which will be allocated to the respective utilities
6 participating in the program according to each utility’s percentage
7 participation in the program. As such, each utility will only bear its
8 share of administrative costs
- 9 • *Separate money pools must be maintained for utility and non-utility*
10 *entities under BHC’s then-current structure and agreements:* The
11 COSG Program does not alter BHC’s existing structures and
12 agreements or money pools.
- 13 • *Separate books, records, systems of accounts, financial statements*
14 *and bank accounts shall be maintained for each utility, except where*
15 *utility funds are pooled:* Each BHUH utility maintains its own
16 books, records, system of accounts, financial statements and bank
17 accounts. The COSG Program will not change this in any way.

18 **Organizational Protections**

- 19 • *Non-utility operations of BHC entities must remain in subsidiaries*
20 *that are separate and independent from the operations of the BHUH*
21 *Utilities or their subsidiaries:* Under the COSG Program, COSGCO

1 will be established as an entity that, while under BHUH, will be
2 separate and independent from the BHUH utilities and their
3 subsidiaries. All other non-utility operations will also remain
4 separate and independent from the BHUH utilities.

- 5 • *BHUH and its utilities will hold their assets in their own names and*
6 *maintain adequate capital for their business purposes: BHUH and*
7 *the utilities participating in the COSG Program will hold their own*
8 *contractual rights under the COSG Agreement.*

9 **Credit and Financing Protections**

- 10 • *BHUH and its utility subsidiaries will not provide or extend credit*
11 *to, issue long-term debt, or pledge utility assets to support BHC or*
12 *any of its non-utility subsidiaries or affiliates: Under the COSG*
13 *Program, the BHUH Utilities will not provide or extend credit to,*
14 *issue long-term debt to, or pledge any assets to support BHC or any*
15 *non-utility subsidiary or affiliate. In fact, the COSG Agreement*
16 *contains a specific covenant preventing any utility from pledging*
17 *assets as part of the program. See COSG Agreement, Section 7.1.*
- 18 • *BHUH and its utility subsidiaries will not guarantee any new debt*
19 *obligations, notes, debentures, or any other security of BHC or its*
20 *non-utility operations, nor will BHUH or its utility subsidiaries'*
21 *assets be used as collateral for BHC's non-utility operations: The*

1 COSG Agreement specifically prohibits BHUH and its utility
2 subsidiaries from guaranteeing any new debt obligations, notes,
3 debentures, or any other security of BHC or its non-utility
4 operations. In addition, the COSG Agreement prohibits BHUH or
5 utility assets from being used as collateral. *See* COSG Agreement,
6 Section 7.2.

- 7 • *New stand-alone or project financing for non-utility business*
8 *activities (asset acquisitions, project development, credit*
9 *arrangements) will be without recourse to BHUH or its utilities:*

10 Under the COSG Agreement, any new stand-alone project financing
11 for non-utility business activities is required to be without recourse
12 to BHUH or its utilities. *See* COSG Agreement, Section 7.3.
13 Further, as noted above, every acquisition under the COSG Program
14 will be presented to the Commission for review and approval.

- 15 • *Non-utility subsidiaries will not lend money directly to BHUH or its*
16 *utility subsidiaries, and non-utility subsidiaries will not carry inter-*
17 *company accounts payable balances with any BHUH Utility that is*
18 *above the normal level of business transactions:* Under the COSG
19 Program, neither COSGCO nor BHEP would lend money to BHUH
20 or the BHUH Utilities. Moreover, no non-utility subsidiaries will
21 carry inter-company accounts payable balances with any BHUH

1 Utility. BHUH will calculate all Hedge Credits and Hedge Costs,
2 not COSGCO.

3 **Fairness and Reasonableness of Transactions**

- 4 • *Any services BHUH and its utilities provide to any non-utility*
5 *subsidiaries or affiliates would be charged at tariff rates, if*
6 *applicable, or at the actual cost or market rate, whichever is higher:*

7 Under the COSG Program, BHUH Utilities will not provide any
8 utility-type services to COSGCO except at tariff rates. In addition,
9 all other services BHUH will provide under the COSG Program will
10 be charged on a cost basis. Any services provided by BHUH to
11 COSGCO will be, in effect, services that would benefit the utilities.

- 12 • *Any services provided to BHUH or its utilities by non-utility*
13 *subsidiaries or affiliates of BHC shall be reasonably necessary and*
14 *appropriate for the utility business and would be charged at rates*
15 *not higher than market rates: COSGCO will not provide services to*
16 *BHUH or the BHUH Utilities under the COSG Program. Rather,*
17 *Hedge Credits and Hedge Costs will be calculated by BHUH based*
18 *on market gas prices and COSGCO's actual costs, including a return*
19 *on investment capital.*

- 20 • *BHUH and its affiliates will not enter into transactions with an*
21 *affiliate unless the transaction is in the ordinary course of business*

1 *upon fair and reasonable terms that are consistent with market*
2 *terms for similar transactions entered into by unaffiliated parties:*

3 As noted in the direct testimony of T. Aaron Carr, any acquisition of
4 reserves from BHEP under the COSG Program would have to be a
5 fair market transaction in the ordinary course of business. Any other
6 transactions between BHUH (or the BHUH utilities) with an affiliate
7 will be in the ordinary course of business and upon fair and
8 reasonable terms.

- 9 • *Except where costs are charged in accordance with respective cost*
10 *allocation commission manuals, a non-utility subsidiary or sister*
11 *utility that receives a material benefit from a cost incurred by BHUH*
12 *or its utilities will be charged a portion of those costs to compensate*
13 *BHUH or its respective utilities:* Under the COSG Program, no
14 BHUH indirect costs will be allocated to COSGCO. Only direct
15 costs will be charged on a cost basis. Those costs will be part of the
16 ROE calculation. In addition, no non-utility subsidiary or sister
17 utility will receive a material benefit from a cost incurred by BHUH
18 or the BHUH Utilities.

- 19 • *BHC will operate its utility businesses in accordance with prudent*
20 *utility standards and practices, and will not engage in any practice,*
21 *with respect to the allocation, assignment or distribution of capital,*

1 *shared expenses or other costs, that is unduly discriminatory or*
2 *preferential. All costs and expenses are shared in proportion to*
3 *participation:* No part of the COSG Program will constitute
4 discriminatory or preferential allocation, assignment, or distribution
5 of capital, shared expenses or other costs.

6 **Q. IN CONCLUSION, CAN YOU PLEASE STATE AGAIN WHAT THE**
7 **COMPANY IS REQUESTING IN ITS APPLICATION.**

8 A. The primary benefit of the COSG Agreement is long-term price stability because it
9 narrows the range in gas supply costs. Because the current environment allows
10 market participants to purchase gas reserve interests at favorable prices and drill to
11 make those reserves productive, the COSG Agreement would allow the Company
12 to establish a long-term physical hedge against the market instability and volatility
13 described above. A secondary benefit is the reasonably anticipated potential
14 savings for customers over the life of the reserves.

15 In addition, the Company is requesting that the Commission:

- 16 1. Approve Black Hills Power's revisions to its FPPA tariff provision for its
17 electric utility operations to include the costs incurred by the Company
18 under the COSG Agreement that has been executed by the Company and
19 BHUH, as further described herein;
- 20 2. Approve the COSG Agreement, as may be determined necessary by the
21 Commission to address approval of the revised tariffs; and

1 3. Grant such waivers, conditions, approvals or other and further relief as the
2 Commission deems necessary or appropriate, consistent with this
3 Application.

4 **IX. CONCLUSION**

5 **Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?**

6 A. Yes.