

PUBLIC VERSION

**Direct Testimony
Richard C. Loomis**

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Exhibits

Exhibit RCL-1 -Chart of Historical Gas Prices

CONFIDENTIAL Exhibit RCL-2 -Price Forecast

1 **I. INTRODUCTION AND QUALIFICATIONS**

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

3 A. My name is Richard C. (“Chuck”) Loomis. My business address is 2828 Plant St., Suite
4 B, Rapid City, South Dakota 57702.

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

6 A. I am employed by Black Hills Utility Holdings (“BHUH”) as Vice President, Energy
7 Asset Optimization. I am responsible for the BHUH’s Gas Supply Services, Generation
8 Dispatch and Power Marketing, and Resource Planning functions.

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

10 A. I am testifying on behalf of Black Hills/Nebraska Gas Utility Company, LLC (the
11 “Company”).

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

13 A. I received a Master of Business Administration degree from Bowling Green State
14 University in Bowling Green, Ohio, and a Bachelor of Business Administration degree
15 with a major in Accounting from the University of Toledo, Toledo, Ohio. I joined
16 Michigan Gas Utilities (“MGU”) in 1985 as a general accountant. From 1987 through
17 1994, I worked in positions with increasing responsibility in MGU’s Rates and
18 Regulatory Affairs function, becoming Manager in 1992. In 1989, Aquila, Inc. (then
19 UtiliCorp United) (“Aquila”) acquired MGU from Michigan Energy Resources Company
20 and continued to operate MGU as a separate division. From 1994-1997, I served as State
21 Administrator in Michigan, and in July 1997, relocated to Omaha, Nebraska to become
22 Aquila’s Asset Manager for Iowa and Nebraska. In this position, I was responsible for the
23 operational and financial performance of Aquila’s gas distribution assets serving nearly

1 325,000 customers in these two states. I became Manager of Aquila's Nebraska Business
2 Operations as part of a corporate restructuring in 2002. I was named Aquila's Vice
3 President, Kansas and Colorado Gas Operations in February 2004. On July 14, 2008,
4 Black Hills Corporation ("BHC") acquired certain natural gas and electric utility assets
5 from Aquila, including the Kansas and Colorado natural gas utility assets for which I was
6 responsible. On July 14, 2008, I joined Black Hills Power as Vice President, Operations.
7 I was appointed to my current position effective July 9, 2013.

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

9 A. Yes.

10 **II. PURPOSE OF TESTIMONY**

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

12 A. BHUH currently procures all gas supply for the Company. The purpose of my testimony
13 is to explain BHUH's current diversified portfolio approach to managing gas supply for
14 the Company. Throughout my testimony, when I refer to the Company's gas supply
15 purchases, please understand that to include purchases by BHUH, acting on behalf of the
16 Company. Witnesses Ivan Vancas and Julia Ryan further explain why the Company
17 believes Cost of Service Gas, produced by an affiliate of BHUH referred to as
18 "COSGCO," will enhance the historical portfolio approach, and Ms. Ryan provides a
19 recommended future portfolio. I will also discuss the Company's long-term natural gas
20 price forecast utilized by witness Julia Ryan.

21 **III. THE COMPANY'S CURRENT GAS PROCUREMENT STRATEGY**

22 **Q. WHAT HAS BEEN THE STRATEGY FOR MEETING THE COMPANY'S**
23 **NATURAL GAS NEEDS?**

1 A. In general terms, BHUH acts as the purchaser or purchasing agent for various BHC
2 utilities, including the Company. On behalf of the Company, BHUH's gas supply
3 department has, for many years, pursued a diversified portfolio approach to meeting its
4 gas needs. This diversified portfolio approach has been reviewed and discussed, over the
5 years, both formally and informally, with each of the state regulatory commissions or
6 boards, staffs and consumer advocates where utilities affiliated with BHC operate. The
7 stated goals of the portfolio strategy include: 1) providing natural gas supplies at
8 reasonable prices; 2) providing a high level of reliability; and 3) providing protection
9 against gas price volatility. The Company has met these goals through its diversified
10 portfolio approach, and BHUH's and its predecessor's purchasing plans and activities
11 have been accepted in each jurisdiction for many years. Witness Julia Ryan provides
12 further detail regarding the Company's annual gas purchase plans and current hedge
13 portfolio in her direct testimony. In addition to the commodity supply and hedging
14 strategy discussed in this application, it should be noted that the total cost of gas
15 delivered to customers includes the cost of interstate pipeline charges, storage, and the
16 applicable local distribution charge approved in the Company's tariffs.

17 **Q. WHAT ARE THE KEY ELEMENTS OF THE COMPANY'S DIVERSIFIED**
18 **SUPPLY PORTFOLIO?**

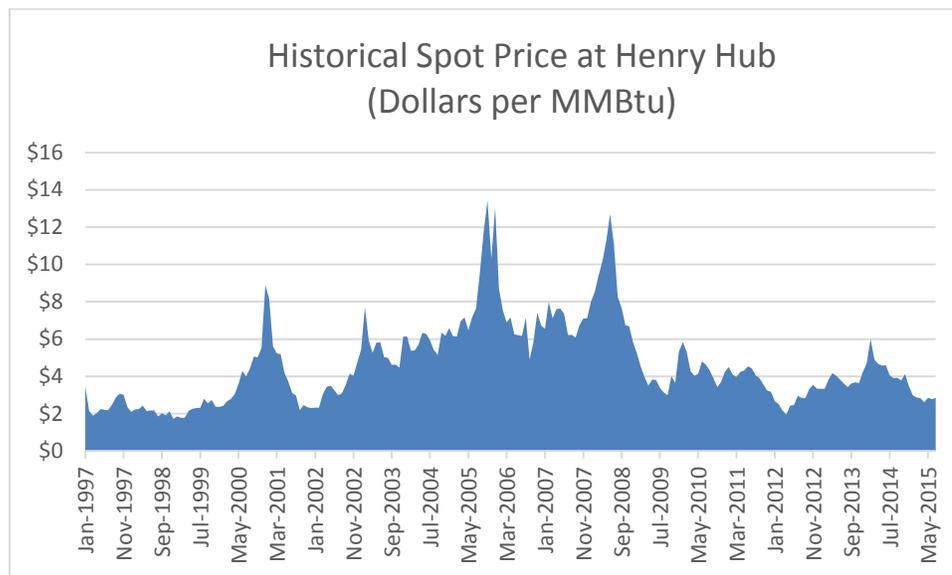
19 A. BHUH's Gas Supply Services has typically purchased gas for or on behalf of the
20 Company from producers and marketers through a diversified portfolio of spot market
21 purchases, short-term fixed price contracts and seasonal storage, and short-term financial

1 hedges.¹ A general breakdown of the Company's annual gas supply purchased through
2 these methods is identified in Exhibit IV-2 to Ivan Vancas' direct testimony.

3 **Q. WHAT ARE SPOT MARKET GAS PURCHASES?**

4 A. Spot market gas purchases are short-term purchases made at the then-current (or roughly
5 current) market prices on a monthly, weekly, or daily basis. Because spot market prices
6 are constantly changing and are influenced by supply and demand and other market
7 constraints and factors, they can be subject to significant fluctuations. Attached as
8 Exhibit RCL-1 to my testimony is a historical natural gas price summary at the Henry
9 Hub trading point. Figure 1 below demonstrates the historical variability of spot market
10 prices from 1997 to 2015 at the Henry Hub trading point.²

11 **Figure 1**



12
13 Reducing the negative effects of gas price volatility (i.e., potentially high and fluctuating
14 bills for utility customers) is one of the reasons the Company has relied on a diversified

¹ Short-term fixed-price contracts and hedges refer to hedging over a period of 1 to 2 gas years. Medium-term hedging refers to hedging over the 3 to 7 gas-year period. At times, BHUH has also incorporated medium-term financial hedges (i.e., 3 to 7 gas years) into its gas portfolio for its Colorado electric utility.

² www.eia.gov/dnav/ng/hist/rngwhhdd.htm

1 approach to its gas portfolio. Even though the relative price levels are lower for the time
2 being since the shale revolution, the chart shows there is still significant variability and
3 lack of stability in spot market prices.

4 **Q. PLEASE EXPLAIN HOW SHORT-TERM FIXED PRICE GAS CONTRACTS**
5 **ARE UTILIZED.**

6 A. To enhance the price stability of its gas portfolio and appropriately reduce exposure to the
7 volatility of spot market gas prices, BHUH, on behalf of the Company, also has relied on
8 short-term fixed price contracts. These contracts provide gas at fixed prices for a limited
9 term (two years or less).

10 **Q. DOES THE COMPANY UTILIZE NATURAL GAS STORAGE AS AN**
11 **ELEMENT OF ITS GAS SUPPLY PORTFOLIO?**

12 A. Yes. While the Company does not own natural gas storage facilities, it has made use of
13 storage through contracted storage services with interstate pipelines. Where available,
14 natural gas storage is a common element of utility portfolios, allowing a company to
15 purchase and store supplies (typically in the summer) and withdraw supplies at another
16 time (typically to meet winter demand). In this manner, a portion of the demand on a
17 peak day is met through withdrawals from storage at known prices rather than market
18 purchases at higher prices. Because gas storage is generally refilled seasonally at the
19 lowest spot prices available, use of storage is similar, in effect, to a short-term (seasonal)
20 fixed price gas contract. Instead of paying a premium to a gas supplier to hold the price
21 fixed for a term, lower price spot purchases are made and the “premium” is paid in the
22 form of service fees for gas storage. As such, storage does not serve as a long-term
23 hedge, but rather, serves as a seasonal hedge.

1 **Q. WHAT ARE FINANCIAL HEDGES AND HOW DO THEY FACTOR INTO THE**
2 **CURRENT GAS PORTFOLIO?**

3 A. Financial hedging in the gas market generally involves the use of a financial instrument
4 or security to establish a gas price position that is intended to offset the exposure a
5 company has in the physical gas market. BHUH, on behalf of the Company, engages in
6 financial hedging to stabilize gas prices and compensate for market volatility. This
7 approach has worked, but it is focused on short-term and seasonal protection against price
8 increases.

9 **Q. ARE THERE OTHER LIMITATIONS OR DRAWBACKS TO THE COMPANY'S**
10 **CURRENT APPROACH TO HEDGING?**

11 A. The Company's approach, while successful, is focused on a relatively short-time period
12 of one to two years. Thus, while some short-term or seasonal protection is provided to
13 customers against increasing natural gas market prices, and the hedging cost charged by
14 the counterparty paid by customers, the current approach does not provide protection
15 against long-term increases in natural gas prices. In fact, customers are exposed to
16 increases in the market price of natural gas typically in the next heating season/year as
17 the short-term hedges expire. That is, the current portfolio approach does not provide
18 long-term rate stability for customers. Witness Julia Ryan provides a fundamental
19 assessment of the natural gas supply market and prices, and a comprehensive review of
20 industry and market factors that explain the importance of incorporating long-term
21 hedging into the Company's gas portfolio.

1 **Q. DOES BHUH CURRENTLY INCORPORATE LONG-TERM AND MEDIUM-**
2 **TERM FIXED-PRICE CONTRACTS AND FINANCIAL HEDGES IN THE GAS**
3 **PORTFOLIO?**

4 A No, with the exception of certain medium-term financial hedges used for Colorado
5 electric utilities.

6 **Q. DOES BHUH BELIEVE IT SHOULD INCORPORATE MEDIUM- OR LONG-**
7 **TERM HEDGING INTO THE GAS PORTFOLIO?**

8 A. Yes. For a number of reasons, further discussed by Witnesses Ivan Vancas and Julia
9 Ryan, BHUH believes that incorporating a Cost of Service Gas program (the “COSG
10 Program”) will enhance the historical diversified portfolio approach; provide greater
11 long-term protection against price volatility for the Company and its customers; reduce
12 the risk of increasing natural gas market prices; and provide reasonably anticipated
13 savings for customers over the life of the program.

14 **Q. ARE THERE RISKS AND LIMITATIONS TO MEDIUM- LONG-TERM FIXED**
15 **PRICE CONTRACTS OR FINANCIAL HEDGES?**

16 A. Yes. Medium- and long-term fixed-price contracts and financial hedges involve an
17 extended relationship with a counterparty. As such, these hedging mechanisms expose
18 the purchaser to a number of new risks, including credit costs and the risk of default by or
19 loss of the counterparty. For instance, in a normal gas contract, if the counterparty
20 defaults or becomes bankrupt, there is a risk of the loss of the benefit of the deal.

21 **Q. HAS THE COMPANY EXPLORED LONG-TERM FIXED-PRICE OR**
22 **FINANCIAL HEDGE OPTIONS?**

1 A. Yes. The Company, through BHUH, has investigated the availability and costs of long-
2 term fixed-price natural gas contracts and financial hedges. Specifically, BHUH
3 requested proposals for ten-year and 20-year fixed-price gas supplies and financial
4 hedges. In response, [REDACTED]

5 [REDACTED]

6 [REDACTED]

7 [REDACTED]

8 [REDACTED]

9 [REDACTED]

10 [REDACTED]

11 [REDACTED]

12 [REDACTED]

13 Consistent with the recommendations of Aether Advisors, the Company may incorporate
14 medium-term contracts or hedges into the portfolio, but they would not replace the
15 COSG Program, which is a much longer-term program and provides the greatest benefit
16 for customers through more long-term rate stability. As designed, the COSG Program is
17 anticipated to deliver gas over a 20- to 30-year period (the producing life of the wells) [REDACTED]

18 [REDACTED]

19 **Q. ARE THERE ADDITIONAL REASONS WHY THE COSG PROGRAM IS**
20 **PREFERABLE TO OTHER HEDGING OPTIONS?**

21 A. Yes. The COSG Program provides a number of advantages over other long-term hedging
22 options. Fixed-price contracts and market hedges come with credit costs and
23 counterparty risks that are not within the control of the gas purchaser. In addition, as

1 explained in more detail in the testimony of John Benton, production costs are generally
2 stable and predictable over the 20-30 year lives of the producing wells while historically,
3 gas prices have fluctuated widely. Because current gas prices are low and there is excess
4 gas capacity in the market, drilling has slowed. Therefore, it is expected that gas reserves
5 could be acquired at low prices relative to historical prices. Further, COSGCO would
6 directly own the gas reserves so it would not be at risk from the default or bankruptcy of
7 a counterparty. Finally, the COSG Program provides flexibility as compared to other
8 long-term hedging alternatives, as COSGCO will be directly involved in establishing a
9 drilling program, through interaction with the Commission, the Company, and BHUH,
10 that will allow it to adjust production based on market conditions. Since natural gas
11 production declines over time, adjustments can be made to the drilling program to better
12 match the volumes produced to the utilities' hedging needs. In other words, drilling can
13 be scaled back if prices stay low, or ramped up when prices increase.

14 **Q. HAS THE COMPANY RETAINED A CONSULTANT TO PERFORM A REVIEW**
15 **OF ITS GAS PORTFOLIO?**

16 A. Yes. The Company retained Julia Ryan of Aether Advisors, LLC to review Black Hills'
17 current gas supply portfolio and provide a recommendation to assist the Company in
18 reducing long-term price volatility to customers.

19 **Q. WHAT WAS THE RECOMMENDATION OF MS. RYAN?**

20 A. To meet the Company's objective to provide greater long-term rate stability for
21 customers, Ms. Ryan recommends that the Company expand the time horizon of its
22 hedging program to include long-term hedging, and confirmed that Black Hills' strategy

1 to invest in gas reserves to serve regulated utility customers through a cost of service gas
2 program is consistent with that recommendation.

3 **Q. DID MS. RYAN PROVIDE A RECOMMENDED RANGE FOR GAS RESERVES**
4 **AS A PERCENTAGE OF THE COMPANY'S PORTFOLIO?**

5 A. Yes. Ms. Ryan recommends that the Company look to acquire reserves at a minimum of
6 35% of the portfolio with an objective of acquiring up to 50% of the portfolio.

7 **Q. WHAT IS THE COMPANY'S RECOMMENDATION?**

8 A. The Company has considered the recommendation of its professional consultant, and
9 consistent with the range provided in the Aether Report, it is the Company's
10 recommendation that 50% of the Company's gas supply portfolio consist of a long-term
11 physical hedge through the COSG Program. The balance of the Company's gas supply
12 portfolio will layer in short-term and medium term financial hedges, seasonal storage and
13 spot market purchases.

14 The Company's recommendation is consistent with the Company's goals to 1) provide
15 reasonably priced natural gas; 2) provide a high level of reliability; and 3) mitigate price
16 volatility. The Company believes that incorporating a 50% long-term physical hedge
17 through the COSG Program will enhance the long-term price stability for customers and
18 is also likely to provide long-term savings relative to market purchases. As noted by
19 Julia Ryan in her direct testimony, BHUH's current hedging plans span one to two
20 winters for the gas utilities, limiting the Company's ability to manage commodity costs
21 for customers across rate years or over the long term. The 50% recommendation does not
22 materially alter the total percentage of the Company's gas supply portfolio that has been
23 hedged for many years. The Company's current portfolio consists of approximately one-

1 third spot market purchases and two-thirds hedging agreements, including fixed price
2 contracts, storage and call options. Figure 11 from the Aether Report sets forth the
3 current percentages of each state's gas supply. Instead of changing the total percentage
4 of supply that is hedged, the Company's recommendation re-allocates a percentage of the
5 hedged portion of the gas supply to include a long-term hedging plan for 50% of supply.

6 **Q. IS THE COMPANY'S RECOMMENDATION CONSISTENT WITH THE**
7 **PORTFOLIO OF OTHER UTILITIES WHO OWN RESERVES?**

8 A. Yes. The Company's recommendation to provide 50% of annual gas demand through
9 owned reserves and production is consistent with other utility cost of service gas
10 programs. Questar Corporation has produced gas from owned reserves through its
11 affiliate, Wexpro, since the early 1980s. Currently, Questar includes cost of service gas
12 as 65% of its annual forecasted demand.³ In addition, NorthWestern Energy has included
13 owned reserves and production in its gas utility and gas-fired generation fuel supply since
14 2010. Northwestern established a target of 50% of its portfolio to be provided through
15 cost of service gas.⁴

³ Utah Public Service Commission Docket No. 13-057-13, Corrected Settlement Stipulation dated Jan. 15, 2014 (Section 12). The Parties agreed for purposes of settlement that:

- a. The Company and Wexpro will manage the combined cost-of-service production from Wexpro I properties and Wexpro II Trail Unit Acquisition Properties to 65% of Questar Gas' annual forecasted demand identified in the Company's Integrated Resource Plan (IRP).

⁴ NorthWestern 2014 Annual Shareholders Report, page 27:

Natural Gas Production Assets

Since 2010, we have acquired gas production and gathering system assets as a part of an overall strategy to provide rate stability and customer value through the addition of regulated assets that are not subject to market forces. As of December 31, 2014, these owned reserves totaled approximately 70.4 Bcf and are estimated to provide approximately 5.8 Bcf each year, or about 29 percent of our current annual retail natural gas load in Montana. We continue to pursue opportunities to secure low cost gas reserves for our customers, with a target of owning 50% of our supply.

1 **Q. HOW QUICKLY WOULD THE COMPANY BE ABLE TO INCREASE**
2 **PRODUCTION UNDER THE COSG PROGRAM TO 50% OF ITS PORTFOLIO?**

3 A. The timeframe under which production could increase to 50% of the portfolio is
4 dependent upon the pace of property acquisition, whether the acquired properties have
5 existing production, and the pace of drilling development wells. Generally, BHUH
6 would direct its affiliate COSGCO to reach the 50% level as soon as practicable. COSG
7 Program production would need to ramp up to allow existing fixed price contracts and
8 financial hedges to expire.

9 **IV. LONG TERM NATURAL GAS DEMAND AND PRICE FORECASTS**

10 **Q. HAS BHUH DEVELOPED A LONG-TERM FORECAST OF NATURAL GAS**
11 **DEMAND FOR BHC'S GAS AND ELECTRIC UTILITIES?**

12 A. Yes. For BHC's gas utilities, the long-term demand forecast was developed by applying
13 a long-term growth rate to 2014 weather normalized firm sales. For BHC's electric
14 utilities, the growth rate applied to historical gas-fired generation volumes was consistent
15 with the long-term growth rate from the most recent Integrated Resource Plans (IRP) or
16 Electric Resource Plans (ERP).

17 **Q. HAS THE COMPANY ATTEMPTED TO CONDUCT A LONG-TERM**
18 **FORECAST OF THE MARKET PRICE OF GAS?**

19 A. The Company has not performed its own market forecast. However, to assess its long-
20 term natural gas strategy and to understand the potential benefits of the COSG Program,
21 the Company, through BHUH, reviewed other 20-year gas price forecasts for the years
22 2016 to 2035 and created an average forecast price based on those forecasts.

1 Q. WHAT INFORMATION DID THE COMPANY REVIEW TO GENERATE ITS
2 AVERAGE PRICE FORECAST?

3 A. The Company used the current long-term gas price forecast published by [REDACTED]
4 [REDACTED] as well as the current long-term gas price forecast
5 published by [REDACTED]
6 [REDACTED]

7 Q. WHY DID THE COMPANY USE THESE TWO LONG-TERM GAS PRICE
8 FORECASTS?

9 A. [REDACTED]
10 [REDACTED]
11 [REDACTED]
12 [REDACTED]
13 [REDACTED]
14 [REDACTED]
15 [REDACTED]
16 [REDACTED]
17 [REDACTED]
18 [REDACTED]
19 [REDACTED]
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25 [REDACTED]
26 [REDACTED]
27 [REDACTED]
28 [REDACTED]
29 [REDACTED]
30 [REDACTED]

1 [REDACTED]

2 [REDACTED]

3 **Q. DESCRIBE HOW THE COMPANY BLENDED DATA FROM THESE TWO**
4 **SOURCES TO ARRIVE AT ITS FORECAST.**

5 A. The Company identified the annual market price reflected in the [REDACTED]
6 forecasts for each of the years from 2016 to 2035. Then the Company averaged those
7 annual prices to arrive at an annual “Average Forecasted Price” gas for each year during
8 the period. A copy of the price forecast is attached as Exhibit RCL-2.

9 **Q. WHAT DOES THE COMPANY’S FORECAST SHOW?**

10 A. As shown in Table 1 below, the nominal Average Forecasted Price for gas is anticipated
11 to rise from an estimated low of \$3.54/MMBtu in 2016 to a high of approximately
12 \$10.43/MMBtu in 2035. As COSGCO considers property acquisitions, this price forecast
13 will be used in modeling to compare COSG Program prices to projected market prices.

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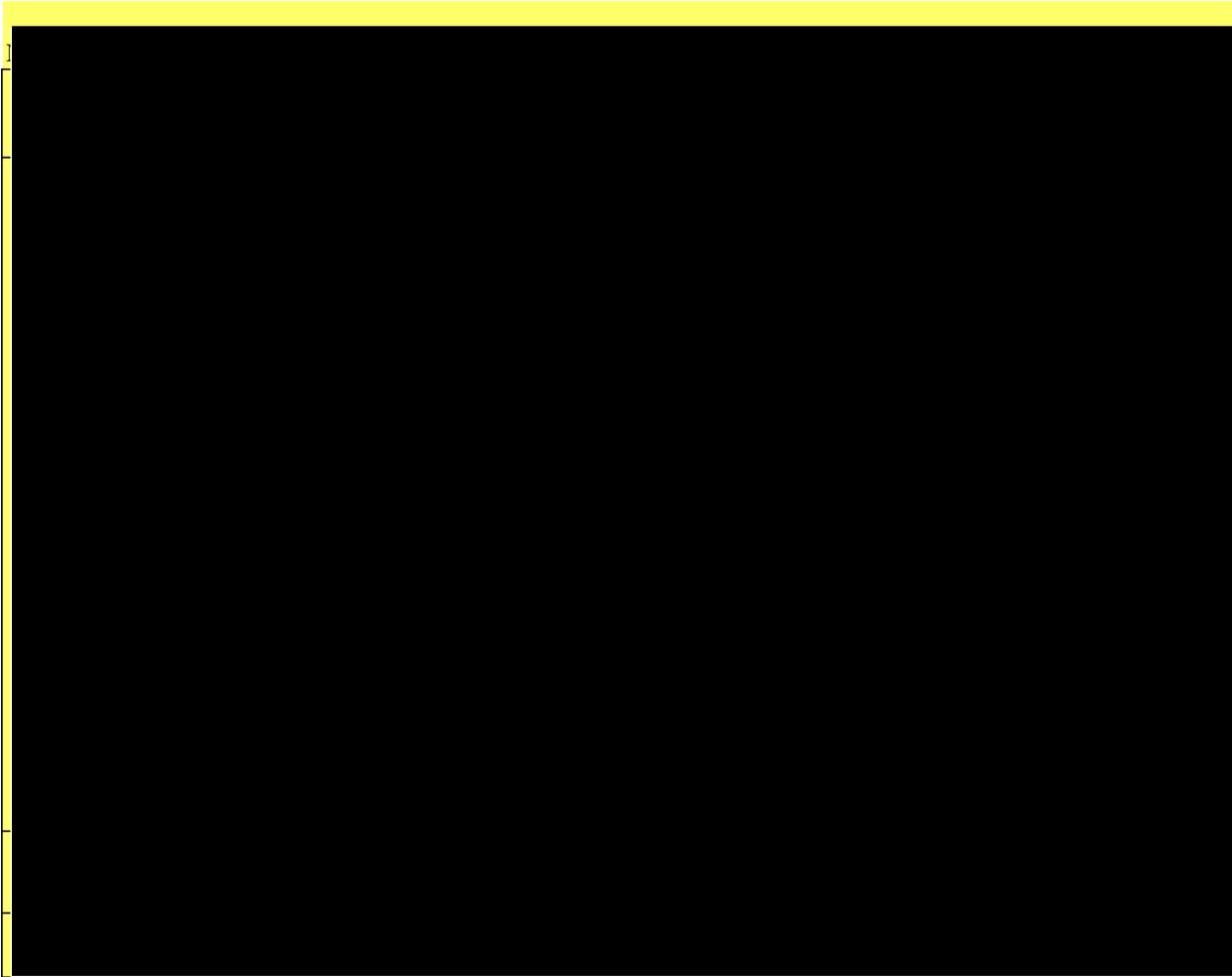
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V. CONCLUSION

4

Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?

5

A. Yes.

Workbook Contents

Henry Hub Natural Gas Spot Price (Dollars per Million Btu)

Click worksheet name or tab at bottom for data

Worksheet Name	Description
Data 1	Henry Hub Natural Gas Spot Price (Dollars per Million Btu)

Release Date: 8/26/2015

Next Release Date: 9/2/2015

Excel File Name: rngwhhdm.xls

Available from Web Page: <http://tonto.eia.gov/dnav/ng/hist/rngwhhdm.htm>

Source:  THOMSON REUTERS

For Help, Contact: infoctr@eia.doe.gov
(202) 586-8800

# Of Series	Frequency	Latest Data for
1	Monthly	7/2015

[Back to Contents](#) **Data 1: Henry Hub Natural Gas Spot Price (Dollars per Million Btu)**

Sourcekey	RNGWHHD
Date	Henry Hub Natural Gas Spot Price (Dollars per Million Btu)
Jan-1997	\$3.45
Feb-1997	\$2.15
Mar-1997	\$1.89
Apr-1997	\$2.03
May-1997	\$2.25
Jun-1997	\$2.20
Jul-1997	\$2.19
Aug-1997	\$2.49
Sep-1997	\$2.88
Oct-1997	\$3.07
Nov-1997	\$3.01
Dec-1997	\$2.35
Jan-1998	\$2.09
Feb-1998	\$2.23
Mar-1998	\$2.24
Apr-1998	\$2.43
May-1998	\$2.14
Jun-1998	\$2.17
Jul-1998	\$2.17
Aug-1998	\$1.85
Sep-1998	\$2.02
Oct-1998	\$1.91
Nov-1998	\$2.12
Dec-1998	\$1.72
Jan-1999	\$1.85
Feb-1999	\$1.77
Mar-1999	\$1.79
Apr-1999	\$2.15
May-1999	\$2.26
Jun-1999	\$2.30
Jul-1999	\$2.31
Aug-1999	\$2.80
Sep-1999	\$2.55
Oct-1999	\$2.73
Nov-1999	\$2.37
Dec-1999	\$2.36
Jan-2000	\$2.42
Feb-2000	\$2.66
Mar-2000	\$2.79
Apr-2000	\$3.04
May-2000	\$3.59
Jun-2000	\$4.29
Jul-2000	\$3.99
Aug-2000	\$4.43
Sep-2000	\$5.06
Oct-2000	\$5.02

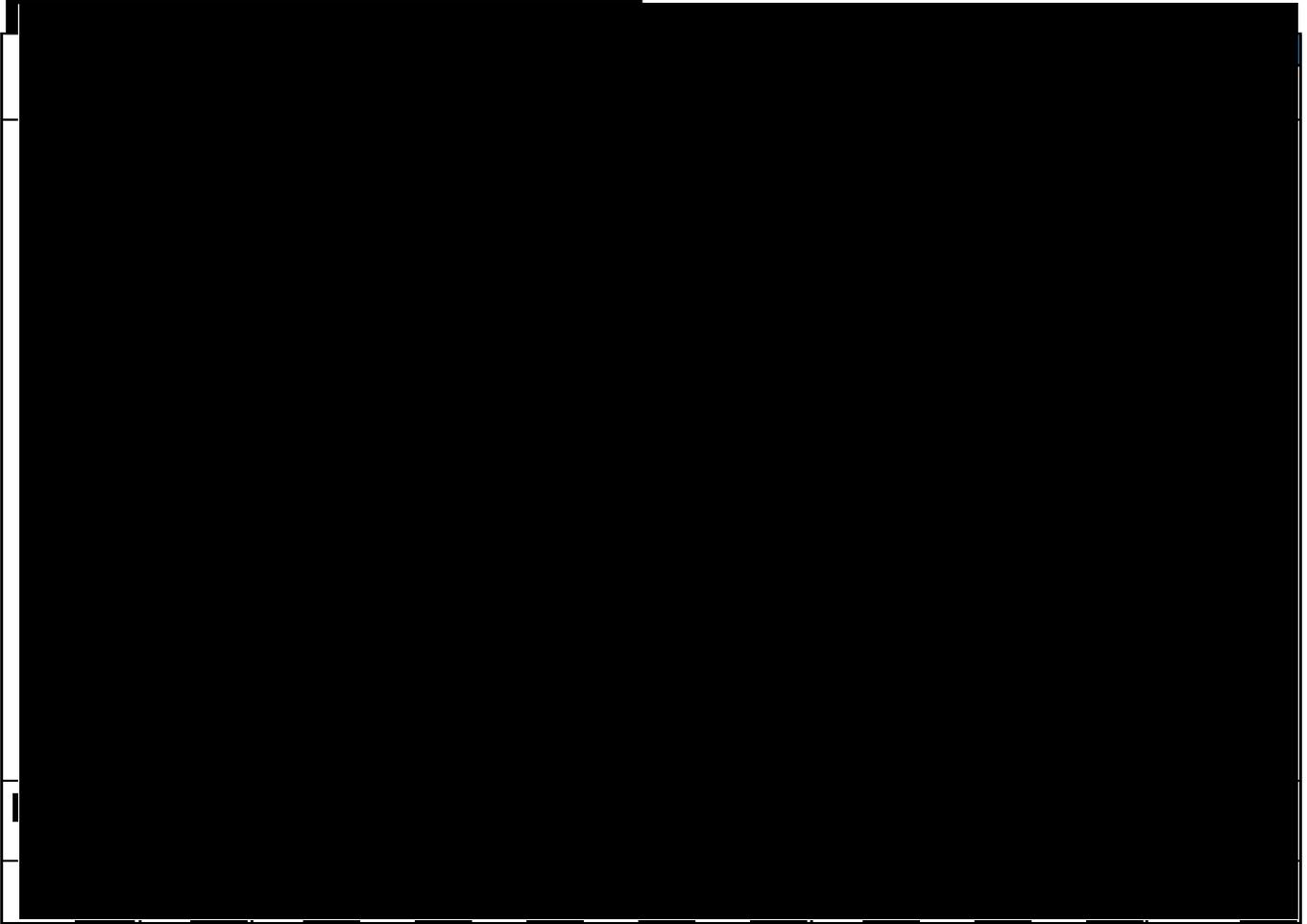
Nov-2000	\$5.52
Dec-2000	\$8.90
Jan-2001	\$8.17
Feb-2001	\$5.61
Mar-2001	\$5.23
Apr-2001	\$5.19
May-2001	\$4.19
Jun-2001	\$3.72
Jul-2001	\$3.11
Aug-2001	\$2.97
Sep-2001	\$2.19
Oct-2001	\$2.46
Nov-2001	\$2.34
Dec-2001	\$2.30
Jan-2002	\$2.32
Feb-2002	\$2.32
Mar-2002	\$3.03
Apr-2002	\$3.43
May-2002	\$3.50
Jun-2002	\$3.26
Jul-2002	\$2.99
Aug-2002	\$3.09
Sep-2002	\$3.55
Oct-2002	\$4.13
Nov-2002	\$4.04
Dec-2002	\$4.74
Jan-2003	\$5.43
Feb-2003	\$7.71
Mar-2003	\$5.93
Apr-2003	\$5.26
May-2003	\$5.81
Jun-2003	\$5.82
Jul-2003	\$5.03
Aug-2003	\$4.99
Sep-2003	\$4.62
Oct-2003	\$4.63
Nov-2003	\$4.47
Dec-2003	\$6.13
Jan-2004	\$6.14
Feb-2004	\$5.37
Mar-2004	\$5.39
Apr-2004	\$5.71
May-2004	\$6.33
Jun-2004	\$6.27
Jul-2004	\$5.93
Aug-2004	\$5.41
Sep-2004	\$5.15
Oct-2004	\$6.35
Nov-2004	\$6.17
Dec-2004	\$6.58
Jan-2005	\$6.15
Feb-2005	\$6.14

Mar-2005	\$6.96
Apr-2005	\$7.16
May-2005	\$6.47
Jun-2005	\$7.18
Jul-2005	\$7.63
Aug-2005	\$9.53
Sep-2005	\$11.75
Oct-2005	\$13.42
Nov-2005	\$10.30
Dec-2005	\$13.05
Jan-2006	\$8.69
Feb-2006	\$7.54
Mar-2006	\$6.89
Apr-2006	\$7.16
May-2006	\$6.25
Jun-2006	\$6.21
Jul-2006	\$6.17
Aug-2006	\$7.14
Sep-2006	\$4.90
Oct-2006	\$5.85
Nov-2006	\$7.41
Dec-2006	\$6.73
Jan-2007	\$6.55
Feb-2007	\$8.00
Mar-2007	\$7.11
Apr-2007	\$7.60
May-2007	\$7.64
Jun-2007	\$7.35
Jul-2007	\$6.22
Aug-2007	\$6.22
Sep-2007	\$6.08
Oct-2007	\$6.74
Nov-2007	\$7.10
Dec-2007	\$7.11
Jan-2008	\$7.99
Feb-2008	\$8.54
Mar-2008	\$9.41
Apr-2008	\$10.18
May-2008	\$11.27
Jun-2008	\$12.69
Jul-2008	\$11.09
Aug-2008	\$8.26
Sep-2008	\$7.67
Oct-2008	\$6.74
Nov-2008	\$6.68
Dec-2008	\$5.82
Jan-2009	\$5.24
Feb-2009	\$4.52
Mar-2009	\$3.96
Apr-2009	\$3.50
May-2009	\$3.83
Jun-2009	\$3.80

Jul-2009	\$3.38
Aug-2009	\$3.14
Sep-2009	\$2.99
Oct-2009	\$4.01
Nov-2009	\$3.66
Dec-2009	\$5.35
Jan-2010	\$5.83
Feb-2010	\$5.32
Mar-2010	\$4.29
Apr-2010	\$4.03
May-2010	\$4.14
Jun-2010	\$4.80
Jul-2010	\$4.63
Aug-2010	\$4.32
Sep-2010	\$3.89
Oct-2010	\$3.43
Nov-2010	\$3.71
Dec-2010	\$4.25
Jan-2011	\$4.49
Feb-2011	\$4.09
Mar-2011	\$3.97
Apr-2011	\$4.24
May-2011	\$4.31
Jun-2011	\$4.54
Jul-2011	\$4.42
Aug-2011	\$4.06
Sep-2011	\$3.90
Oct-2011	\$3.57
Nov-2011	\$3.24
Dec-2011	\$3.17
Jan-2012	\$2.67
Feb-2012	\$2.51
Mar-2012	\$2.17
Apr-2012	\$1.95
May-2012	\$2.43
Jun-2012	\$2.46
Jul-2012	\$2.95
Aug-2012	\$2.84
Sep-2012	\$2.85
Oct-2012	\$3.32
Nov-2012	\$3.54
Dec-2012	\$3.34
Jan-2013	\$3.33
Feb-2013	\$3.33
Mar-2013	\$3.81
Apr-2013	\$4.17
May-2013	\$4.04
Jun-2013	\$3.83
Jul-2013	\$3.62
Aug-2013	\$3.43
Sep-2013	\$3.62
Oct-2013	\$3.68

Nov-2013	\$3.64
Dec-2013	\$4.24
Jan-2014	\$4.71
Feb-2014	\$6.00
Mar-2014	\$4.90
Apr-2014	\$4.66
May-2014	\$4.58
Jun-2014	\$4.59
Jul-2014	\$4.05
Aug-2014	\$3.91
Sep-2014	\$3.92
Oct-2014	\$3.78
Nov-2014	\$4.12
Dec-2014	\$3.48
Jan-2015	\$2.99
Feb-2015	\$2.87
Mar-2015	\$2.83
Apr-2015	\$2.61
May-2015	\$2.85
Jun-2015	\$2.78
Jul-2015	\$2.84

Public Version -Exhibit RCL-2 -Price Forecast



The content of this page is almost entirely obscured by a large black redaction box. Only a narrow vertical strip of text is visible along the left margin, which appears to be a table header or index column. The visible text is too small and partially cut off to be transcribed accurately.