Direct Testimony Mark Lux

Before the South Dakota Public Utilities Commission of the State of South Dakota

In the Matter of the Application of Black Hills Power, Inc., a South Dakota Corporation

For Authority to Increase Rates In South Dakota

Docket No. EL12-____

December 17, 2012

TABLE OF CONTENTS

I.	Introduction And Background	. 1
II.	Purpose Of Testimony	. 2
III.	Generation Assets	. 2
IV.	Environmental Issues	.3
V.	Major Capital Additions	0
VI.	Staffing Impacts	17
VII.	Cheyenne Prairie Generating Station	18

EXHIBITS

None

I. INTRODUCTION AND BACKGROUND

2 Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

- A. My name is Mark Lux. My business address is 1515 Wynkoop Street, Suite 500,
 Denver, Colorado 80202.

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

A. I am currently employed by Black Hills Service Company, a wholly-owned
subsidiary of Black Hills Corporation ("Black Hills Corporation"), as Vice
President and General Manager, Regulated and Non-Regulated Generation. In
that role, I am responsible for the operation and construction of the electrical
power generation and coal mining assets owned by Black Hills Corporation
subsidiaries, including Black Hills Power, Inc. ("Black Hills Power" or the
"Company").

13 Q. FOR WHOM ARE YOU TESTIFYING ON BEHALF OF TODAY?

14 A. I am testifying on behalf of Black Hills Power.

15 Q. PLEASE DESCRIBE YOUR EDUCATIONAL AND BUSINESS 16 BACKGROUND.

A. I received a Bachelor of Science degree with honors in Mechanical Engineering
from the South Dakota School of Mines and Technology in 1987. I have more
than 25 years of experience working in the mining and electrical power industry,
in both nuclear and fossil fuel power generation, including operating experience
and power plant construction experience. I have been involved in the
development, engineering, construction and commissioning of several coal-fired

power plants, including Black Hills Power's Wygen III plant and Neil Simpson II plant. I have also been involved with the development, engineering, construction and commissioning of several coal-fired and gas-fired power plants owned or developed by subsidiaries of Black Hills Corporation, including the recent construction of simple cycle and combined cycle natural gas-fired units in Colorado.

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II. PURPOSE OF TESTIMONY

8 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

9 A. I provide background information on Black Hills Power's generation assets. I 10 address the environmental laws and regulations that are impacting Black Hills 11 Power's operational decisions with regard to its small coal-fired generating units. 12 I discuss the Company's major capital additions related to environmental 13 regulation and related to generation efficiency and reliability. I discuss anticipated 14 plant closures and the economic shutdown until plant retirement. I describe Black 15 Hills Power's plans for a generating asset addition at the Chevenne Prairie 16 Generating Station.

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III. GENERATION ASSETS

18 Q. PLEASE DESCRIBE THE GENERATION ASSETS OF BLACK HILLS 19 POWER.

A. Black Hills Power owns 471 MW of electric utility net generation capacity as
follows:

			Ownership	Gross	
	Fuel		Interest	Capacity	Year
Unit	Туре	Location	(%)	(MW)	Installed
Osage	Coal	Osage, WY	100	34.5	1948-
					1952
Ben French	Coal	Rapid City,	100	25.0	1960
		SD			
Neil Simpson I	Coal	Gillette, WY	100	21.8	1969
Neil Simpson II	Coal	Gillette, WY	100	90.0	1995
Wyodak	Coal	Gillette, WY	20	72.4	1978
Wygen III	Coal	Gillette, WY	52	57.2	2010
Ben French Diesel	Oil	Rapid City,	100	10.0	1965
#1-5		SD			
Ben French CTs #1-4	Gas/Oil	Rapid City,	100	80.0	1977-
		SD			1979
Neil Simpson CT	Gas	Gillette, WY	100	40.0	2000
Lange CT	Gas	Rapid City,	100	40.0	2002
		SD			

In addition, Black Hills Power purchases 50 MW under a long-term agreement
 expiring in 2023 and 14.7 MW and 20 MW under long-term agreements expiring
 in 2028 and 2029, respectively.

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IV. ENVIRONMENTAL ISSUES

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Q. ARE THERE NEW ENVIRONMENTAL REGULATIONS AFFECTING BLACK HILLS POWER'S GENERATION FLEET?

A. Yes. The Environmental Protection Agency ("EPA") issued National Emission
Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial
and Institutional Boilers (herein "Area Source Rules"), on March 21, 2011 with an
effective date of May 20, 2011. The deadline to comply with these rules is March

11 21, 2014.

Q. PLEASE GIVE A BRIEF DESCRIPTION OF THE AREA SOURCE RULES.

3 A. Area Source Rules are designed to reduce emissions of hazardous air pollutants 4 from various small boilers, to include coal-fired units of 25 MW or less. 5 Specifically, the rules implement: (1) new emission requirements for mercury and 6 carbon monoxide; (2) work practice standards addressing startup and shutdown 7 and energy assessments; (3) operating restrictions defining mercury sorbent 8 injection rates and coal quality; (4) continuous monitoring; and (5) compliance 9 testing. Operating older units in compliance with these rules would require 10 significant expenditures, including the addition of emission controls, installation 11 of monitoring equipment, restrictions on quality of the coal received and 12 adherence to new operating parameters established during the compliance test.

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Q. WHICH GENERATING RESOURCES OWNED BY BLACK HILLS

14 **POWER ARE AFFECTED BY THESE RULES?**

A. Black Hills Power owns three coal-fired power plants equipped with boilers of 25
MW or less: Neil Simpson I, Osage and Ben French. All three of these plants are
subject to the Area Source Rules.

18 Q. WHAT IS THE EFFECT OF THE AREA SOURCE RULES ON THE NEIL 19 SIMPSON I, OSAGE AND BEN FRENCH UNITS?

A. These rules require either: 1) the retrofit of expensive new environmental controls
on Neil Simpson I, Osage and Ben French; or 2) retirement of the affected units.
Furthermore, if these older facilities are to continue to operate with new emission

1 controls to meet these regulations, life extension upgrades would be required. It is 2 highly likely that if this happens, the EPA will initiate New Source Review 3 ("NSR") investigations, which historically have led to significant capital costs to 4 meet Best Available Control Technology emission limits similar to those of new 5 plants. Additionally, NSR now requires adherence to the Green House Gas New 6 Source Performance Standard ("GHGNSPS") implemented in 2012 by EPA. The 7 GHGNSPS requires coal-fired plants that impact thresholds of greenhouse gas 8 emissions to install carbon capture and sequestration within 10 years and achieve 9 carbon emission limits equal to natural gas-fired emissions of 600 pounds per 10 megawatt hour on a 12-month annual average. As a result of these factors, as well 11 as the likelihood of additional future EPA regulations affecting the continued 12 operation of these facilities, Black Hills Power concluded that the most cost 13 effective plan for EPA compliance is to retire Neil Simpson I, Osage, and Ben 14 French on March 21, 2014, the EPA deadline for compliance of the Area Source 15 Rules.

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HOW WILL THE PLANT SHUTDOWNS BE STAGED? **O**.

17 The three Osage units and Ben French have been placed in economic shutdown A. 18 and will remain in that condition until their March 21, 2014 retirement. Neil 19 Simpson I is expected to continue to operate until its March 21, 2014 retirement. 20 The three Osage units were placed in economic shutdown on October 1, 2010. 21 The Ben French unit was placed in economic shutdown on September 1, 2012. 22 Ben French last generated energy on August 31, 2012.

Q. WHAT IS ECONOMIC SHUTDOWN?

2 A. Economic shutdown is when a generating unit is removed from service because 3 the cost to operate it is not competitive in the market and it is not required to meet 4 demand. Economic shutdown assumes that replacement power can be acquired at 5 a lower cost from the market or that native load demand does not require 6 generation from the asset due to economic conditions in the service territory. 7 During economic shutdown, plants can be reactivated with thirty days advance 8 notice. However, steps need to be taken to protect the equipment during economic 9 shutdown.

10 Q. WHAT STEPS NEED TO BE TAKEN TO PROTECT EQUIPMENT 11 DURING ECONOMIC SHUTDOWN?

A. Although the steps needed to be taken to protect equipment vary from plant to plant because of differences in design, the major items that need to be addressed include the following:

- Boiler vented and drained hot during shutdown of the unit. If the unit is a
 long-term asset, consideration should be given to displacing oxygen in the
 boiler with nitrogen (nitrogen blanketing) to avoid oxidation damage.
- All feedwater and condensate piping and vessels require draining (all
 internal water and steam piping drained at low point drains).
- Ensure that ash hoppers, ductwork and precipitator are cleaned of excessive
 ash accumulations to avoid corrosion and hardening of ash.

1	•	Ensure all water pumps are drained to avoid freezing and corrosion
2		damage. Some pumps require disassembly as drains are not provided.
3	•	Drain cooling tower and circulating water system to avoid corrosion or
4		freeze damage.
5	•	Drain oil from cooling tower gearboxes to avoid moisture accumulation and
6		subsequent freezing and potential environmental spill incident. Tower
7		gearbox blades must be secured to avoid spinning due to wind draft.
8	•	Lockout and tagout all switchgear with potential to be started that might
9		result in damage to equipment.
10	•	Purge hydrogen from generator (on hydrogen-cooled machines) and
11		displace with dry air.
12	•	Shut off turbine/generator lube oil system, ensure moisture is drained from
13		bottom of tank and turn oil heaters off. Leave oil in tank. Several days
14		prior to start up of the unit, oil heaters and vapor extractor must be started.
15	•	Pull generator brushes out to avoid damage to the collector rings. Ensure
16		shaft ground is functional and installed.
17	•	Install grounding breakers in major buss work to discharge any stray
18		voltage (safety precaution).
19	•	Clean out all coal storage vessels to avoid spontaneous combustion.
20	•	Open condenser to vent moisture to atmosphere and avoid oxidation of
21		turbine components.

1		•	Blowdown and isolate instrument air systems to avoid moisture		
2		accumulation and subsequent instrument damage.			
3		• Purge and cap all sources of alternate fuel – oil and natural gas.			
4		• Demineralized water process equipment must be drained and cleaned.			
5		•	• Evaluate all chemicals stored on site and eliminate those that will not be		
6			used.		
7		•	Ensure all fire protection systems are functional and protected from		
8			freezing.		
9		•	Station batteries must be maintained as normal to provide vital AC to		
10			emergency systems and meet North American Electric Reliability		
11			Corporation (NERC) procedural requirements.		
12		•	Regular inspections must be made to ensure that the idle facility does not		
13			become a public nuisance or hazard.		
14	Q.	WHAT WERE THE DRIVERS FOR ECONOMIC SHUTDOWN AT BEN			
15		FRE	NCH AND OSAGE?		
16	A.	The primary driver is that other units on the Black Hills Power system, as well as			
17		economy energy available in the market, are more economical to serve the near-			
18		term energy requirements of the customers of Black Hills Power than the Ben			
19		French and Osage units. The fact that these units will be retired in 2014 in order			
20		to maintain compliance with EPA regulations is also a factor in this decision-			
21		making. Because there is little risk that the units will need to be removed from			

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economic shutdown prior to their near-term retirement, it is unlikely that there would be any costs associated with removing them from economic shutdown.

3 О. WHAT WILL BE THE IMPACT OF THE ECONOMIC SHUTDOWN?

4 A. The most significant impact is that customers will see considerable cost savings as 5 a result of the shutdown of Ben French. For example, there are approximately 6 \$1.3 million savings in annual operating and maintenance costs resulting from the 7 Ben French shutdown, as shown on Schedule H-14 in the Revenue Requirement 8 Model, and annual energy savings of approximately \$1.3 million due to the 9 difference in purchased power costs and the coal costs shown on Schedule H-9 10 and H-15. The savings on the Osage shutdown have already been generally 11 realized, but the savings were comparable to or perhaps greater than the Ben 12 French savings.

13 The Black Hills Power system will continue to provide energy to its customers in 14 the most cost effective means possible. Black Hills Power's customers' energy 15 demand will be supplied by existing BHP owned mine mouth coal-fired and 16 natural gas-fired generation, some contracted renewable energy and market power 17 purchases, when economical. The Ben French and Osage units can be reactivated, 18 if needed, until their retirement date of March 21, 2014.

19 WHAT IS THE STATUS OF NEIL SIMPSON I? **O**.

20 Neil Simpson I will remain in operation until its retirement on or before March 21, A. 21 2014.

V. MAJOR CAPITAL ADDITIONS

2 Q. PLEASE DESCRIBE THE COMPANY'S MAJOR CAPITAL ADDITIONS

3 **RELATED TO ENVIRONMENTAL REGULATION.**

A. The Company has invested approximately \$5.2 million in capital additions related
to or required by environmental regulations. These capital additions (that have
been made since the Company's last rate case) have been placed in service or will
be placed in service by April 1, 2013, and are summarized as follows:

Category	Cost	Description
Environmental	1,100,000	Water treatment Nitrogen Oxides Control
Regulation		
	1,500,000	Wygen III Sulfur Dioxide start-up
		requirements
	1,100,000	Reciprocating Internal Combustion Engine
		Compliance for Ben French Diesels
	\$1,500,000	Neil Simpson II Stop Valve
TOTAL	\$5,200,000	

8 Q. PLEASE DESCRIBE THE CAPITAL ADDITION RELATED TO WATER

9 **TREATMENT REGARDING NITROGEN OXIDES EMISSIONS.**

10 A. The permits for the Neil Simpson complex required a reduction of Nitrogen 11 Oxides (NO_x) emissions for both natural gas-fired and coal-fired generation. In 12 order to comply with the permitting requirements, a reverse osmosis system for 13 the Neil Simpson Complex was purchased and installed in 2009. Cleaner water 14 lowers "water hardness" and can be utilized to control combustion temperature, which in turn leads to lower NO_x emissions. This system makes the site selfsufficient in providing high quality water for process water to operate the Steam
Generators that provide emission compliance with Nitrogen Oxides permit limits.
This capital addition benefits various generating plants at the Neil Simpson
Complex and is a shared asset based upon capacity. The portion of the capital cost
attributed to the Company is \$1.1 million.

7 Q. PLEASE EXPLAIN THE CAPITAL ADDITION TO WYGEN III 8 REGARDING SULFUR DIOXIDE EMISSIONS.

9 A. The air permit for Wygen III requires compliance with a three-hour sulfur dioxide 10 emission limit once firing commenced. In other words, there are emission limits 11 during the start up of the Wygen III generating plant. Due to environmental 12 pressures on coal plant emissions, the State of Wyoming issued the air permit in 13 2008 but included, for the first time in Wyoming, start-up emission limits. These 14 start-up limits were required to ensure current federal standards were met, thus 15 allowing the State to issue the coal plant air permit while ensuring compliance 16 with federal standards. Working with the original equipment manufacturer (OEM) 17 to procure process equipment to meet these new start-up limits required us to 18 agree to a test period for which the OEM could collect data and ensure a reliable 19 design to achieve these "new to industry" start-up limits. Therefore, a temporary 20 facility was put in place complying with these start-up limitations. The test 21 facility provided sufficient data and design details for the OEM to design and 22 construct a permanent facility, which will be in service by April 2013. This

permanent facility allows for the injection of hydrated lime, which will allow
 Wygen III to meet the requirement of its air permit regarding the three-hour sulfur
 dioxide emission start-up limits with a fully integrated, OEM warranted and
 designed system.

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Q. PLEASE EXPLAIN THE CAPITAL ADDITIONS REGARDING THE BEN FRENCH DIESELS.

7 A. The Ben French diesels, located in Rapid City, South Dakota, and built in 1965, 8 are internal combustion engines and subject to new EPA requirements limiting 9 emissions of carbon monoxide from reciprocating internal combustion engines. 10 Therefore, modifications that are expected to be completed in the first quarter 11 2013 are being made to the Ben French diesels to add catalysts that convert carbon 12 monoxide to carbon dioxide. The modifications made to the Ben French diesels 13 are not unlike adding a catalytic converter to an automobile. These capital 14 additions will provide for compliance by the May 13, 2013 deadline of the most 15 current EPA National Emissions Standards for Hazardous Air Pollutants.

16 Q. PLEASE DESCRIBE THE INVESTMENT IN THE NEIL SIMPSON II 17 STOP VALVE.

A. The Company invested \$1.5 million for the replacement of a combination stop
valve/control valve in Neil Simpson II. This combination valve was placed in
service in May 2012.

Q. WHY WAS IT NECESSARY TO REPLACE THIS COMBINATION VALVE ON NEIL SIMPSON II?

A. NERC and the applicable balancing authority, reliability council and reserve
group, require utilities to maintain spinning reserves, which generally defined,
means that the utility must have reserves available within ten minutes to regulate
load. Some of these reserves are required to be on line or referred to as "spinning
reserves".

As I noted previously, Neil Simpson I, Osage and Ben French are subject to EPA Area Source Rules, and as a result, the Company has determined that these three generating facilities must be retired no later than March 21, 2014, the EPA deadline for compliance. Furthermore, Osage and Ben French have been placed in economic shutdown.

13 Osage and Ben French previously were run at reduced loads in order to provide 14 spinning reserves. But those spinning reserves are no longer available because of 15 the economic shutdown and will be permanently unavailable for spinning reserves 16 after March 21, 2014 because of the EPA's Area Source Rules. Therefore, the Company determined that Neil Simpson II, if retrofitted with a new combination 17 18 valve, offered the best alternative for the Company's spinning reserves 19 requirement. The Company determined that the cost benefit of purchasing 20 spinning reserves from the market, while possible, would be an unacceptable risk 21 in a fluctuating market. The timing of the combination valve retrofit coincided 22 with the regularly scheduled major maintenance outage of Neil Simpson II.

1 Without this retrofit, Neil Simpson II did not qualify for spinning reserves. With 2 the addition of the new combination valve, the plant is now available to provide 3 spinning reserves. The unit has now successfully completed the NERC-required 4 response testing and complies with the ten-minute response requirements to be 5 certified for spinning reserves.

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Q. PLEASE DESCRIBE THE COMPANY'S MAJOR CAPITAL ADDITIONS

7 **RELATED TO GENERATION EFFICIENCY AND RELIABILITY.**

A. The Company has invested approximately \$20.3 million in capital additions
related to generation efficiency and reliability. These capital additions (that have
been made since the Company's last rate case) have been placed in service or will
be placed in service by April 1, 2013, and are summarized as follows:

Category	Cost	Description
Generation		
Efficiency/Reliability	\$8,500,000	Neil Simpson II Air-Cooled Condenser
	2,800,000	Wyodak Air-Cooled Condenser
	2,100,000	Generation Transformer – Neil Simpson
		Π
	750,000	Spare Transformer
	570,000	Wyodak Plant – spare transformer
	5,600,000	Overhauls/Turbine/Boiler
TOTAL	\$20,320,000	

Q. PLEASE DESCRIBE THE CAPITAL ADDITION RELATED TO THE NEIL SIMPSON II AIR-COOLED CONDENSER.

3 A. Neil Simpson II was originally constructed in 1995 and has an air-cooled 4 condenser. Nevertheless, this plant was not able to run at a maximum rating if the 5 ambient temperature was greater than 77 degrees. Specifically, unit derates were 6 required during warm temperature months due to elevated back pressure. As a 7 result, Neil Simpson II was not able to run at its maximum rating during high 8 demand or peak times. In 2009, the Company expanded the air-cooled condenser 9 surface area on Neil Simpson II, which allowed the unit to operate more efficiently 10 during warm temperature months, using less fuel per MW generated. Neil 11 Simpson II may now operate at its full maximum rating up to 92 degrees ambient 12 temperature, rather than the original 77 degrees ambient design operating 13 temperature.

14 Q. PLEASE DESCRIBE THE CAPITAL ADDITIONS COMPLETED 15 REGARDING THE WYODAK GENERATION FACILITY.

A. The air-cooled condenser in the Wyodak generation plant, which was installed in
1978, reached the end of its useful life and needed to be replaced. This air-cooled
condenser was replaced at a total cost of approximately \$14 million and was
placed in service in 2011. The Company's share of 20% of that cost, or \$2.8
million, is included in rate base as a capital addition.

Q. PLEASE EXPLAIN THE CAPITAL ADDITION REGARDING THE NEIL SIMPSON II TRANSFORMER.

A. In June 2012, the Neil Simpson II generator step up ("GSU") failed, resulting in a
three-week outage. A suitable replacement was identified, purchased and installed
by July 1, 2012, at a cost of \$2.1 million.

6 Q. HAS THE COMPANY DECIDED TO ACQUIRE A SPARE 7 TRANSFORMER FOR NEIL SIMPSON II?

8 A. Yes. The Company received an estimate of \$750,000 to repair the main GSU 9 transformer that was removed from Neil Simpson II ("Spare Transformer") and 10 has authorized the repair of that transformer. The repairs on the Spare 11 Transformer will be completed on or before April 1, 2013. The Company has 12 determined that acquiring a spare transformer at a reasonable cost is relatively 13 low-cost risk mitigation compared to the cost of purchased power if the new 14 transformer were to fail. The spare transformer will serve as a spare in case of a 15 loss of a transformer on the Black Hills Power system, and not just on Neil 16 This provides for an additional measure of reliability for the Simpson II. Company's customers. 17

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Q. PLEASE DESCRIBE THE WYODAK PLANT SPARE TRANSFORMER.

A. Pacificorp, which controls the management of the Wyodak plant, decided to
purchase a new main GSU transformer to be used as a spare for the Wyodak plant.
Black Hills Power paid \$570,000 towards the cost of this spare transformer. The
transformer is stored at the Wyodak plant.

Q. ARE SPARE TRANSFORMERS NECESSARY?

2 A. Yes, if a reliable spare transformer can be acquired at a reasonable cost. The three-week outage resulting from the failure of the Neil Simpson II transformer 3 4 could have been significantly longer. In the industry, it often takes up to six 5 months to identify, purchase and replace a transformer. An outage can be 6 expensive for a utility, particularly if the outage occurs during high demand or 7 peak times. Pacificorp's decision to purchase a spare transformer for the Wyodak 8 plant validates the Company's decision to have a spare transformer available for 9 its power system.

10 Q. PLEASE DESCRIBE THE COMPANY'S CAPITAL ADDITIONS MADE 11 FOR OVERHAULS OF ITS GENERATION FLEET.

A. Every plant in Black Hills Power's generation fleet undergoes regular
maintenance. Overhauls are scheduled periodically. Such plant overhauls are
comparable to rotating tires on your automobile or changing the oil and air filter.
These costs are reflective of replacement components for Wyodak and other Black
Hills Power's generation assets. The Company's investments in overhauls totaled
approximately \$5.6 million and were completed from 2008 to 2010.

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VI. STAFFING IMPACTS

19 Q. PLEASE DESCRIBE STAFFING PLANS AT BEN FRENCH.

A. When Ben French went into economic shutdown, all employees were retained for
a month to make the modifications necessary to effectuate the economic
shutdown. On October 1, 2012, staffing was reduced by seven individuals with

eleven staff remaining to cover the 24 hours a day and 7 days a week operations of
the natural gas-fired peaking units that remain at the Ben French and Lange sites.
This remaining staff includes management and supervision. Some of the seven
employees were relocated as staff at the Neil Simpson Power Plant in Gillette,
Wyoming. Others will be retiring effective June, 2013. This adjustment is
reflected in the Revenue Requirement Model, Schedule H-14. Please refer to Ms.
Wentz's direct testimony.

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VII. CHEYENNE PRAIRIE GENERATING STATION

9 Q. WHAT IS THE LONG-TERM PLAN FOR ADDRESSING THE 10 CAPACITY NEEDS OF CUSTOMERS RESULTING FROM THESE EPA11 MANDATED REGULATIONS REQUIRING PLANT RETIREMENTS?

A. Black Hills Power, along with Cheyenne Light, Fuel and Power Company
("Cheyenne Light"), are developing the Cheyenne Prairie Generating Station
(CPGS) in Laramie County, Wyoming. Black Hills Power's ownership in this
facility will replace the reductions in its generation fleet as a result of the new
EPA requirements discussed earlier in my testimony.

17 Q. PLEASE GENERALLY DESCRIBE THE CHEYENNE PRAIRIE 18 GENERATING STATION (CPGS).

A. The CPGS will include (2) two natural gas-fired combustion turbine generators
(CTG's) and (1) one steam turbine in combined cycle (CC), with a total base load
nominal net output of 95 MW. This 2 x 1 CC will be jointly owned 42% by
Cheyenne Light and 58% by Black Hills Power and therefore CPGS will provide

Black Hills Power with 55 MW. CPGS also includes a simple cycle CTG owned
 by Cheyenne Light with a net output of 37 MW.

3 Q. HAS THE WYOMING PUBLIC SERVICE COMMISSION ISSUED A 4 CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY FOR 5 THE CONSTRUCTION OF CPGS?

- A. Yes. Cheyenne Light and Black Hills Power filed a joint application for a
 Certificate of Public Convenience and Necessity (CPCN) for the CPGS in
 November 2011 with the Wyoming Public Service Commission. A CPCN was
 granted by the Wyoming Public Service Commission. Construction is scheduled
 to begin during the first quarter of 2013.
- 11 Q. ARE THERE ANY COSTS IN THIS RATE CASE RELATED TO CPGS?
- 12 A. No.

13 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

14 A. Yes, it does.