Exhibit 3 Direct Testimony NICHOLAS J. GARDNER

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

In the Matter of the Application of Black Hills Power, Inc. d/b/a Black Hills Energy For Approval to Implement a Renewable Ready Service Tariff

Docket No. EL18-____

December 17, 2018

TABLE OF CONTENTS

Section		Page
I.	INTRODUCTION AND QUALIFICATIONS	1
II.	PURPOSE OF TESTIMONY	2
III.	INTRODUCTION OF WITNESSES	.2
IV.	BLACK HILLS POWER OVERVIEW	.4
V.	APPLICATION	.9
VI.	CONCLUSION	.9

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I. INTRODUCTION AND QUALIFICATIONS

- 2 Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
- A. My name is Nicholas J. Gardner, and my business address is 409 Deadwood Avenue,
 Rapid City, South Dakota, 57702.
- 5 Q. PLEA

PLEASE DESCRIBE YOUR EMPLOYMENT.

I am currently employed with Black Hills Power as Vice President of Operations. I am 6 A. responsible for the operational and financial performance of utility operations for Black 7 8 Hills Power. I directly oversee operating functions, including electric distribution 9 network operations, maintenance, construction, local customer service, customer relations and community relations. I am directly involved in the oversight of certain functions for 10 Black Hills Power that are centralized within Black Hills Corporation, Black Hills 11 Power's parent company. Examples of such centralized functions include regulatory and 12 legislative affairs, human resources, IT, and customer service call center functions. 13

14 Q. PLEASE DESCRIBE YOUR EDUCATION AND BUSINESS BACKGROUND.

I graduated from the University of Iowa with a Bachelor of Science degree in Mechanical A. 15 Engineering. I have 18 years of experience working for a regulated utility. Prior to my 16 current position, I worked in various roles within Black Hills Energy and its predecessors 17 in field design engineering and operations. I started as an intern while attending college 18 and upon graduating in 2003, I was hired as an engineer for our Iowa gas business unit 19 where I partnered directly with operations in planning, designing, and implementing 20 projects related to system growth as well as replacement of existing facilities. I was 21 promoted to a supervisory position in 2006 and to a management position in 2010. Both 22 roles were with the Iowa gas operation, where I led teams directly serving natural gas 23

1		customers, performing maintenance on facilities, and prioritizing and planning capital							
2		projects for both growth and integrity investments. In 2013, I was promoted to a director							
3		role in Black Hills Energy's Nebraska gas operation. In 2016, I was promoted to General							
4		Manager in Black Hills Energy's Kansas gas operation. I have held my current position as							
5		the Vice President of Operations for Black Hills Power since July 31, 2017.							
6		II. <u>PURPOSE OF TESTIMONY</u>							
7	Q.	WHAT IS THE PURPOSE OF YOUR TESTIMONY?							
8	A.	The purpose of my testimony is to provide an overview of Black Hills Power's customer							
9		base, service territory, and history. In addition, my testimony provides an overview of the							
10		political and economic environment that supports Black Hills Power's proposed							
11		Renewable Ready Service Tariff, as well as customer demand for renewable energy in							
12		Black Hills Power's South Dakota service area. I will also introduce the Black Hills							
13		Power witnesses providing testimony in support of this Application. Finally, I will							
14		discuss the positive customer impact of the Black Hills Power proposed Renewable							
15		Ready Service Tariff.							
16		III. INTRODUCTION OF WITNESSES							
17	Q.	PLEASE INTRODUCE THE BLACK HILLS POWER WITNESSES PROVIDING							
18		PRE-FILED DIRECT TESTIMONY IN SUPPORT OF THIS APPLICATION AND							
19		BRIEFLY SUMMARIZE THEIR TESTIMONY.							
20	A.	The following witnesses who, in addition to myself, are providing pre-filed direct							
21		testimony in support of the Renewable Ready Service Tariff Application, which I will							
22		summarize:							

Kyle White – Vice President Regulatory Strategy. Kyle White discusses 1 2 changing customer expectations and the desire for renewable energy nationally as well as 3 in Black Hills Power's service area. He discusses the need to accommodate customers requesting renewable energy who seek to fulfill corporate directives and strategies. Mr. 4 White also discusses the prudency of providing renewable energy to counteract the threat 5 of large customers implementing behind-the-meter generation and discontinuing some or 6 all electric service provided by Black Hills Power. Mr. White also provides a description 7 of customer protections incorporated into the proposed tariff, and the benefits Black Hills 8 Power customers will receive from the Renewable Ready Service Tariff. Finally, Mr. 9 White discusses the timing and need for utility-owned renewable generation, including 10 tax benefits. 11

Jason Keil - Manager Regulatory Services. Jason Keil discusses the intent of 12 the Renewable Ready Service Tariff, which is to provide customers with an option to 13 purchase renewable energy with minimal impact to non-subscribing customers. He also 14 discusses the basic tariff structure, including the terms and conditions of customer 15 16 standard service schedules, and the rules and regulations that will govern service under the proposed Renewable Ready Service Tariff. Mr. Keil also discusses the impact to 17 customer bills, as well as changes to the Fuel and Purchase Power Adjustment portion of 18 19 Black Hills Power's Tariff related to the proposed Renewable Ready Service Tariff.

Bret Jones - Regional Manager of Business Development. Bret Jones provides
 testimony outlining the process undertaken by Black Hills Power to identify and analyze
 the customer desire for renewable energy in the Black Hills Power service territory. Mr.
 Jones describes how Black Hills Power developed the Renewable Ready Service Tariff

and how eligible customers were identified. Finally, Mr. Jones outlines the contacts his
 team has had with customers and their indication of interest in the program.

- Jason Hartman Director Generation Project Engineering. Jason Hartman
 provides testimony related to the Corriedale Project, which will be the source of the
 renewable energy for customers served under the Renewable Ready Service Tariff. Mr.
 Hartman adopts and incorporates his detailed testimony filed with the Wyoming
 certificate of public convenience and necessity provided in this docket as Exhibit 8.
- 8

IV. BLACK HILLS POWER OVERVIEW

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Q. PLEASE BRIEFLY DESCRIBE BLACK HILLS POWER'S HISTORY.

A. Black Hills Power and its predecessor companies have been providing electric power to
 the Black Hills region since 1883 when Pilcher Electric Light Co. was formed by early
 pioneers in Deadwood. Black Hills Power and Light was formed in 1941 through the
 purchase and combination of several existing electric utilities throughout the Black Hills.
 Headquartered in Rapid City, Black Hills Power is now a wholly owned subsidiary of Black
 Hills Corporation.

16 Q. PLEASE PROVIDE AN OVERVIEW OF BLACK HILLS POWER'S BUSINESS

17 **OPERATIONS.**

TIONS

A. Black Hills Power is a regulated electric utility serving approximately 72,000 customers
 in South Dakota, Wyoming and Montana. Black Hills Power's service territory covers
 approximately 9,300 square miles. Currently, Black Hills Power has approximately 225
 employees, and is further supported with centralized services within Black Hills
 Corporation.

1 Q.

PLEASE DESCRIBE BLACK HILLS POWER'S ELECTRIC OPERATIONS.

Black Hills Power is primarily engaged in the generation, transmission, distribution, and 2 A. 3 delivery of electricity in its service territory. Black Hills Power provides electric service via a system of transmission lines, distribution lines, substations, and other infrastructure 4 strategically placed across its service territory. In addition to 2,506 line-miles of owned 5 6 distribution and 1,264 line-miles of owned transmission lines, Black Hills Power also jointly owns 44 miles of high voltage transmission lines with Basin Electric Power 7 Cooperative and Powder River Energy Corporation. In 2017, Black Hills Power 8 9 delivered over 1,700,000 MWhs of electricity to its retail customers. Q. HOW HAS BLACK HILLS POWER DETERMINED THERE IS A NEED FOR 10 **RENEWABLE ENERGY RESOURCES IN ITS SERVICE TERRITORY?** 11 An increasing number of customers are seeking renewable energy in order to meet 12 A. sustainability goals. As of October 2018, 78 major U.S. companies announced plans to 13 obtain 69,000,000 MWh of renewable energy. Walmart has announced a goal to operate 14 with 50% renewable energy by 2025, and an ultimate goal of operating with 100 percent 15 renewable energy. Other national brands represented in our region with renewable 16 energy targets include Marriott, AT&T, Target, Hilton, Starbucks, and McDonald's. 17 Additional discussion of this movement is included in the testimony of Kyle White 18 19 (Exhibit 4). PLEASE DESCRIBE THE CUSTOMER INTEREST IN RENEWABLE ENERGY 0. 20

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WITHIN THE BLACK HILLS POWER MARKET.

A. In its 2017 annual report, Regional Health announced a plan to obtain 70% of its power
 supply needs for its eight urgent care centers from on-site solar power installations.

1	Regional Health also achieved a 9.1% decrease in usage system-wide with its
2	sustainability and efficiency efforts.

According to its website, Black Hills State University recently completed the installation of on-site solar panels, which generated 30.7 MWh of energy in the first two months of operation.¹

Q. DOES BLACK HILLS POWER EXPECT THE INTEREST IN RENEWABLE 7 ENERGY TO CONTINUE TO GROW?

8 A. Yes. The increased interest in behind-the-meter renewable energy generation is

9 forecasted to continue as the adoption of sustainability goals becomes more prevalent and

10 the price for rooftop and ground sited solar systems continues to decrease. In particular,

11 corporate sustainability and renewable energy goals create a significant risk to Black

12 Hills Power, as it will continue to lose commercial customer load and potentially large

13 customers in their entirety if it does not offer a renewable energy option to this customer

14 segment.

Q. WHAT IS THE TARGET MARKET FOR BLACK HILLS POWER'S PROPOSED INITIAL OFFERING?

A. As discussed in the testimony of Bret Jones, Black Hills Power is offering service under
 its proposed Renewable Ready Service Tariff to commercial customers with an aggregate

usage of 300,000 kWh or more per year and governmental accounts.

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¹ http://www.bhsu.edu/About-BHSU/News-Events/bhsu-part-of-national-solar-tour-with-solaropen-house-october-6-1

1 Q. HOW DID BLACK HILLS POWER IDENTIFY THE TARGET MARKET?

During the last two years, Black Hills Power has been engaged with a variety of 2 A. 3 customers on the availability of renewable energy, including customers in higher education, healthcare and municipal government. In working with these customers, Black 4 Hills Power reviewed their usage and, in some instances, also prepared analysis for 5 6 customers on the potential impacts of these customers adding behind-the-meter generation. These activities resulted in Black Hills Power initiating an effort to develop a 7 renewable energy option for its customers. As part of this initiative, Black Hills Power 8 9 took a number of additional steps: (1) it reviewed its list of the 20 largest customers and developed a set of questions to pose to those customers to gage their level of interest in 10 renewables; (2) it reviewed the market and identified customers with known corporate 11 renewable energy goals; and (3) it reviewed national trends and publications to identify 12 the types of customers who are most likely to seek renewable solutions. Black Hills 13 Power then began to meet with customers on the target list to validate its assumptions. 14 See Testimony of Bret Jones (Exhibit 5) for additional details on customer contacts and 15 interactions. 16

17 18 0.

PROGRAM ELIGIBILITY?

WHY DID BLACK HILLS POWER SELECT ITS LARGEST CUSTOMERS FOR

A. Black Hills Power selected its large commercial customer segment for the Renewable
 Ready Program for several reasons. First, large commercial customers often have
 sustainability goals which encourage the use of renewable energy. Second, Black Hills
 Power targeted its large commercial customers as the loss of all or some of their load
 through behind-the-meter generation would have the most substantial negative impact on

other retail customers. Finally, large commercial customers have the size of loads
 necessary to fully subscribe Black Hills Power's share of the Corriedale Project
 generation.

By selecting this customer segment for the Renewable Ready Program, Black
Hills Power is able to enter the renewable market with the least likely risk to existing
customers. Once the proposed Renewable Ready Service Tariff is approved and Black
Hills Power is able to assess the program, it may develop additional renewable energy
programs for smaller commercial and residential customers.

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Q. WHAT IS THE FINANCIAL RISK TO CUSTOMERS IF THE COMMISSION

10 DOES NOT APPROVE THE RENEWABLE READY SERVICE TARIFF?

A. If the proposed Renewable Ready Service Tariff is not approved by the Commission and 11 renewable energy behind-the-meter generation providers continue to convert customers to 12 serving their loads from behind-the-meter installations, remaining customers will be 13 forced to absorb between \$0.04302/kWh and \$0.07364/kWh for every kWh of energy 14 consumption offset by behind-the-meter generation systems. The cumulative effect of the 15 16 loss of load from commercial customers is illustrated in the table below, utilizing assumptions as to loss of load that Black Hills Power could experience as the cost of 17 behind-the-meter generation solutions continues to decrease and the desire for renewable 18 energy increases. 19

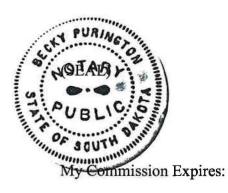
		Customer	Current	Fixed Cost Reallocation		Reallocation		Reallocation			
		Туре	Annual kWh	Lost/kWh	t/kWh from 10% Loss		from 20% Loss		from 30% Loss		
		SD720	354,996,340	\$ 0.07364	\$	2,614,193	\$	5,228,386	\$	7,842,579	
		SD723	37,470,225	\$ 0.06190	\$	231,941	\$	463,881	\$	695,822	
		SD743	19,569,975	\$ 0.05395	\$	105,580	\$	211,160	\$	316,740	
		SD731	30,017,580	\$ 0.04483	\$	134,569	\$	269,138	\$	403,706	
		SD721	103,481,304	\$ 0.04483	\$	463,907	\$	927,813	\$	1,391,720	
1		\$D752	146,011,672	\$ 0.04302	\$	628,142	\$	1,256,284	\$	1,884,427	
-											
2				V.	AP	PLICATIC	DN				
3	Q.	PLEASE PROVIDE A BRIEF OVERVIEW OF THE CONTENTS OF BLACK									
4		HILLS POWER'S APPLICATION FOR THE RENEWABLE READY SERVICE									
5		TARIFF.									
6	A.	Black Hills Power has provided information as required by Administrative Regulations									
7		20:10:13:26 in its Application, which is further supported by the submitted exhibits,									
8		including direct testimony of myself, Kyle White (Exhibit 4), Jason Keil (Exhibit 6), Bret									
9		Jones (Exhibit 5) and Jason Hartman (Exhibit 7).									
10				VI.	<u>CO</u>	NCLUSIO	N				
11	Q.	WHAT IS BLACK HILLS POWER ASKING FROM THE COMMISSION IN									
12		THIS DOCKET?									
13	A.	Black Hi	lls Power requ	ests the Con	nmis	sion enter a	n Or	der approvin	ng th	e Renewable	
14		Ready Service Tariff with an effective date of July 1, 2019.									
15	Q.	DOES THIS CONCLUDE YOUR TESTIMONY?									
16	A.	Yes, it do	es.								
17											

STATE OF SOUTH DAKOTA)) SS COUNTY OF PENNINGTON)

I, Nicholas J. Gardner, being first duly sworn on oath, depose and state that I am the witness identified in the foregoing prepared testimony and I am familiar with its contents, and that the facts set forth are true to the best of my knowledge, information and belief.

holas J Gardner

Subscribed and sworn to before me this Kinday of December, 2018.



Notary Public

My Commission Expires June 22, 2023