

Prefiled Direct Testimony and Exhibits
Robert C. Rowe

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

In the Matter of the Application of
NorthWestern Corporation, d/b/a NorthWestern Energy

For Authority to Increase Electric Utility Rates
in South Dakota

Docket No. EL14-_____

December 19, 2014

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Witness Information

Q. Please state your name and business address.

A. My name is Robert C. (Bob) Rowe. My business address is 3010 W. 69th Street, Sioux Falls, South Dakota 57108.

Q. By whom are you employed and in what capacity?

A. I am employed by NorthWestern Corporation, d/b/a NorthWestern Energy (“NorthWestern” or “Company”), as its President and Chief Executive Officer. I also serve as the only non-independent Director on NorthWestern Corporation’s Board of Directors (“Board”).

Q. Please state your educational background and experience.

A. I have been the President and Chief Executive Officer for the Company since August of 2008. From 2005 through 2008, I was senior partner in Balhoff, Rowe & Williams, a financial and policy consulting firm. Prior to that, I was a Commissioner with the Montana Public Service Commission (“MPSC”) for twelve years from 1993-2004. During that period I served at various times as Chairman of the MPSC, Chairman of the National Association of Regulatory Utility Commissioners (“NARUC”) Telecommunications Committee, President of NARUC, Chairman of the Regional Oversight Committee for US West/Qwest, and in other capacities. I was a member of the Federal-State Joint Board on Universal Service. I was active nationally, regionally and in Montana on

1 telecommunications and energy matters. I have also participated as a
2 trainer in scores of university-based and other professional training
3 events. I am a senior fellow at the University of Florida Public Utility
4 Research Center and have been a member of various other university-
5 related boards, including Columbia University. I received a Bachelor of
6 Arts degree in History and Political Science from Lewis and Clark College
7 in Portland, Oregon and a Juris Doctorate from the University of Oregon.

8

9

Purpose of Testimony

10 **Q. What is the purpose of your testimony?**

11 **A.** My testimony provides:

- 12 • a description of NorthWestern's rate application and why an electric
13 rate increase is needed at this time;
- 14 • a comparison of the proposed rates to NorthWestern's current
15 electric rates;
- 16 • an overview of NorthWestern and its electric service territory in
17 South Dakota, and its approach to investment and service;
- 18 • an overview of NorthWestern's philosophy regarding customer
19 care, community engagement and workforce development; and
- 20 • an overview of NorthWestern's efforts to mitigate increasing costs.

21 I will also introduce the other Company witnesses.

22

23 **Q. Are you sponsoring any exhibits?**

1 **A.** Yes. Exhibit__(RCR-1) is a map of our three-state service area, including
2 additional information related to the Company as a whole.

3 Exhibit__(RCR-2) is a map of our South Dakota service area along with
4 some general descriptive information specific to South Dakota. Also, the
5 charts and other graphics included in this testimony were prepared at my
6 request by NorthWestern staff.

7

8 **General Electric Rate Case Application Overview**

9 **Q. When did NorthWestern file its last South Dakota electric rate case?**

10 **A.** NorthWestern's last general electric rate case was filed on November 5,
11 1980. The final order approving the settlement agreement was issued on
12 April 30, 1981.

13

14 **Q. Please discuss how NorthWestern was able to wait 34 years before
15 filing a general electric rate increase request.**

16 **A.** First, it is important to recognize and understand the positive, long-term
17 impact of the South Dakota Public Utilities Commission ("SDPUC" or
18 "Commission") decision in the 1980 rate case that allowed NorthWestern
19 to retain wholesale margins from market sales of excess generation. That
20 decision made it possible for the Company to reinvest those margins into
21 our electric infrastructure and meet the Company's operational needs
22 without requesting a rate increase from customers. Our customers
23 continue to benefit from those investment decisions and in many instances

1 will never pay directly for many of those assets because they have been
2 fully depreciated. The Commission's decision in that rate case provided
3 the basis for the long-term rate stability that has been enjoyed by our
4 customers for the past 34 years.

5
6 NorthWestern prides itself on running a tight ship. The Company has
7 been conservative in its financial and investment strategies – just as many
8 South Dakotans are when budgeting for their home and business needs.
9 We use a number of internal committees that routinely review and discuss
10 major capital expenditures related to infrastructure or energy supply, for
11 example. These committees meet on a regular basis to review new
12 projects for funding and progress of projects that are underway.

13
14 The Company has been prudent in managing its operations and
15 maintaining access to low-cost capital for use in emergencies or to cover
16 unanticipated expenses – such as the historic November 2005 ice storm.
17 That event alone cost the Company approximately \$12.4 million to restore
18 power to customers under horrible winter weather conditions.
19 NorthWestern was able to cover these associated costs without asking for
20 immediate relief from customers. To this day, we remain very proud of our
21 outage response efforts and our ability to restore power to approximately
22 80% of our customers within 36 hours and to have a majority of the
23 system repaired within one week's time.

1 NorthWestern has also seen slow, steady growth in South Dakota. On
2 average, customer demand has grown in the range of 2-3% annually over
3 the past decade. This level of growth, along with margins from the sale of
4 excess electricity into the market, provided revenues that the Company
5 was able to reinvest in service to our customers while maintaining rate
6 stability. All of these combined factors allowed NorthWestern to provide
7 reliable, low-cost, high-quality electric utility services to our customers
8 without an electric base rate increase for 34 years.

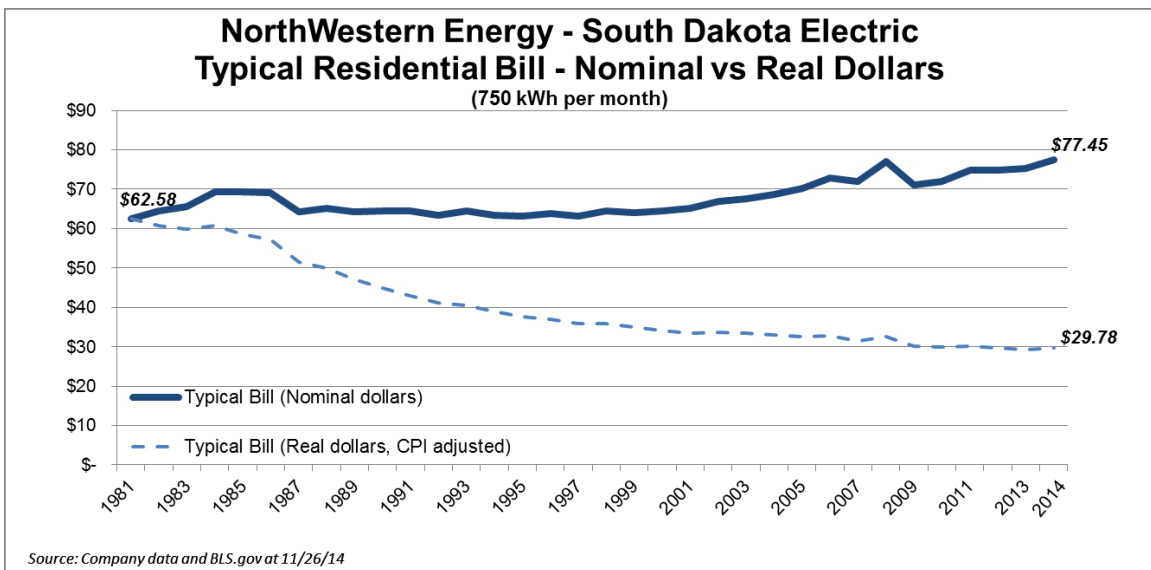
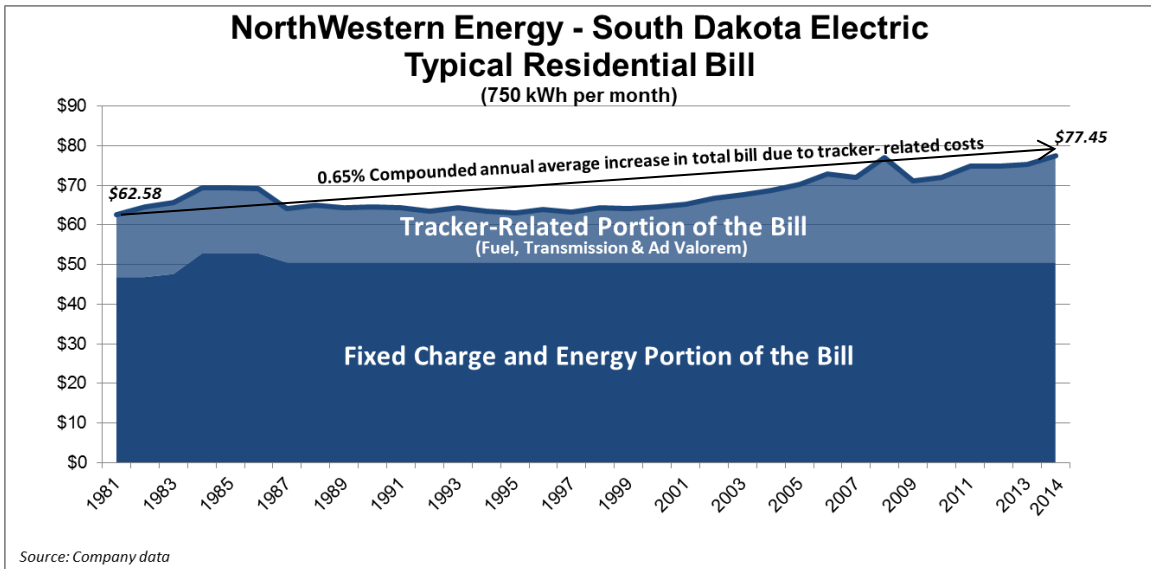
9

10 **Q. What other benefits have NorthWestern customers experienced due**
11 **to the long interval between electric rate cases?**

12 **A.** NorthWestern's ability to manage its costs over the past 34 years has
13 meant long-term rate stability for our customers and more of their money
14 in their pockets. Long-term rate stability also means our customers have
15 paid some of the lowest electric rates on a statewide, regional, and
16 national level. NorthWestern's average retail electric rate is \$0.078/kWh
17 which is currently the third lowest amongst the six South Dakota investor-
18 owned utilities and is well below the regional and national average retail
19 electric rate (please see Rate Comparison Graphs 1-4, starting on page
20 RCR-19). NorthWestern's average electric rates for each comparison are
21 either second or third lowest overall. In all cases, NorthWestern's average
22 electric rates are lower than the South Dakota, regional, and national
23 averages.

1 Economic development and business opportunities have also benefitted
2 from NorthWestern's ability to provide long-term rate stability. Businesses
3 have been able to budget for normal operations and expansion
4 opportunities annually, based on predictable electric rates. Economic
5 development promoters within our service territory have been able to
6 demonstrate to prospective business leaders that NorthWestern's electric
7 rates are extremely competitive and stable.

8
9 Following are comparisons of a typical residential electric bill, beginning in
10 1981 through 2014, for a NorthWestern customer based on an average
11 monthly use of 750 kWh. The first chart demonstrates the long-term
12 stability of base rates for our electric customers. The only increases
13 experienced by our customers over the past 34 years are related to
14 expenses included in the trackers for fuel, transmission and property
15 taxes. Even with increases in tracker costs, our electric residential
16 customers in this example have seen their monthly bills increase by an
17 average of only \$0.44 per year.



1 The graph above shows that electricity has been a great bargain for our
 2 customers for the past 34 years. While residential customers have seen
 3 their electric bill increase by a total of \$14.87 for the past 34 years due to
 4 tracker-related expenses, the overall real price of electricity has decreased
 5 by approximately \$47.67 for an inflation-adjusted value of \$29.78.

1 Collectively, these comparisons support the long-term value of rate
2 stability for our customers and illustrate how good utility management of
3 variable costs has created additional value for our customers over the past
4 34 years.

5
6 Long-term rate stability has also benefitted customers through
7 NorthWestern's ability to attract long-term investors. Investors see a utility
8 that responsibly manages its finances and resources, keeps its costs
9 under control, and does not regularly seek increases to customer rates.

10

11 **Q. Why does NorthWestern need to increase electric rates now?**

12 **A.** The primary reason for the rate increase is due to large, necessary capital
13 investments in projects related to meeting federally-mandated
14 environmental regulations. NorthWestern is also investing in projects to
15 maintain our high level of electric service reliability, and in the 34 years
16 since NorthWestern last requested an electric rate increase in South
17 Dakota, business expenses in general have increased simply due to
18 inflation and other economic factors. In addition, NorthWestern is moving
19 to integrate into the Southwest Power Pool ("SPP"), and that move,
20 prudent as it may be, will come at a cost.

21

22 NorthWestern has also experienced some impacts from the recent
23 economic downturn through reduced wholesale margins when selling

1 occasional excess generation to the wholesale energy market at low
2 market prices. In addition, the fairly steady economic growth in our
3 service territory has cumulatively eroded generation reserves that were
4 once available for sale into the wholesale market. As stated above, over
5 the past 10 years our demand growth rate has averaged 2-3% annually.
6 Therefore, while that growth has benefitted the Company on one side with
7 increased revenues from energy sales, it has also negatively affected
8 revenues from wholesale energy sales into the market.

9

10 Primary Rate Case Drivers

11 **Q. You previously stated that federally-mandated environmental**
12 **regulations have required NorthWestern to invest large amounts of**
13 **capital. Please explain further.**

14 **A.** In 2005, the U.S. Environmental Protection Agency (“EPA”) passed new
15 air quality regulations called the Regional Haze Best Available Retrofit
16 Technology (“BART”) regulations and guidelines. BART was implemented
17 to improve and protect visibility in Class 1 areas across the United States.
18 Class 1 areas are typically national parks and wilderness areas. As a
19 result of these rules, the Big Stone Power Plant (“Big Stone”) was required
20 to upgrade its emissions control equipment, as emissions from the plant
21 were deemed to affect visibility in the Boundary Waters Canoe Area and
22 Voyageurs National Park in Minnesota.

23

1 Once it was determined that BART regulations would affect emissions
2 from Big Stone, the South Dakota Department of Environment and Natural
3 Resources (“DENR”) was required to develop a State Implementation Plan
4 (“SIP”) to bring Big Stone into compliance. This plan, approved by both
5 the South Dakota Board of Minerals and Environment and EPA Region 8,
6 established the requirements for emission control upgrades at Big Stone.
7 Upgrades needed to be completed by the end of 2017 to remain in
8 compliance with South Dakota’s SIP.

9

10 The plant’s three owners – NorthWestern, Montana-Dakota Utilities
11 (“MDU”), and Otter Tail Power Company (“OTP”) – undertook a rigorous
12 review of options to bring Big Stone into compliance. An additional option
13 to close Big Stone was also explored. In the end, the owners determined
14 that upgrading the current emissions control system was the most cost-
15 effective alternative for customers. The Prefiled Direct Testimony of
16 Dennis Wagner (“Wagner Direct Testimony”) provides additional detail
17 regarding project implementation and the review of alternatives.

18

19 **Q. Have other federally-mandated rules impacted other generation
20 resources that NorthWestern owns? If yes, please describe.**

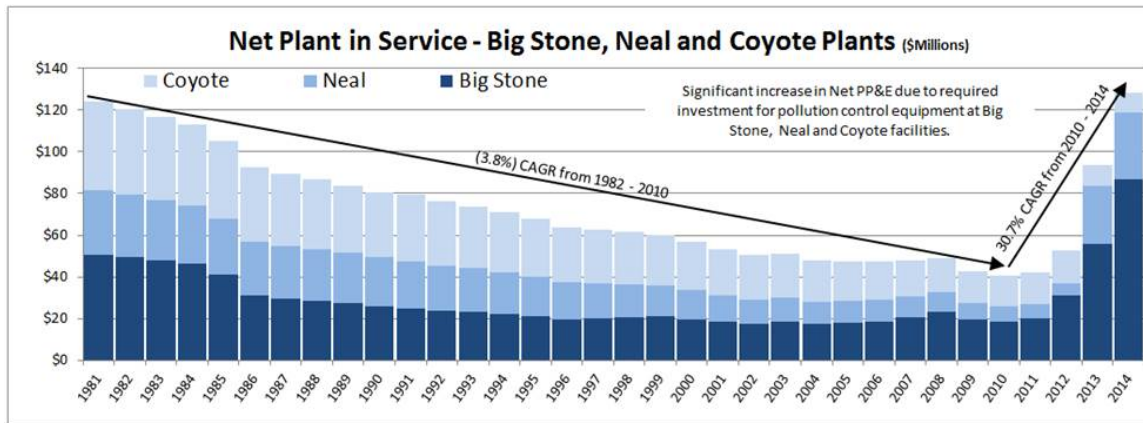
21 **A.** Yes. The Neal Unit 4 Power Plant (“Neal 4”) near Sioux City, Iowa was
22 required to upgrade emissions control equipment due to EPA regulations.
23 The Coyote Power Plant (“Coyote”) in Beulah, North Dakota was required

1 to add activated carbon injection for mercury control and a Separated
2 Over Fire Air Control System to control nitrous oxide emissions as
3 required by EPA's Maximum Achievable Control Technology ("MACT")
4 rule. Again, the Wagner Direct Testimony provides more details regarding
5 these projects.

6

7 **Q. What is the total mandated cost of the federal environmental**
8 **regulations to NorthWestern and its customers?**

9 **A.** NorthWestern's total investment due to federal mandates, including
10 Allowance for Funds Used During Construction ("AFUDC"), is
11 approximately \$127.5 million for all three plants. NorthWestern invested
12 approximately \$120 million to construct our portions of the Big Stone, Neal
13 #4, and Coyote generation plants (see chart below).



14 Initial Big Stone project costs to upgrade the emissions control system
15 were estimated to be \$491 million, with NorthWestern's share at \$114.9
16 million. Due to excellent project management, engineering reviews, and
17 regular communications between the three Big Stone owners, customers

1 will see significant cost savings in that project's final tally. As of the date
2 of this filing, the total project cost is expected to be \$384.0 million.
3 NorthWestern's share has decreased by approximately \$25.1 million to an
4 estimated \$89.8 million (\$102.9 million with AFUDC). However, when you
5 consider that it cost approximately \$50 million for our share of the plant
6 construction costs, the emissions control system upgrade is double the
7 initial investment to construct the plant, as shown above.

8
9 Neal 4 upgrades totaled approximately \$23.5 million for NorthWestern's
10 share, with AFUDC. NorthWestern's share of the total project costs for
11 Coyote, including AFUDC, is \$1.1 million.

12

13 **Q. How does NorthWestern propose to recover its costs associated**
14 **with the emissions control upgrades to Big Stone, Coyote, and**
15 **Neal 4?**

16 **A.** NorthWestern will seek to recover the associated reagent costs for these
17 projects through the Fuel Adjustment Clause ("FAC"), consistent with
18 previous Commission treatment of such costs in dockets involving other
19 regulated utilities. Costs attributable to actual project construction and
20 project administration related to these upgrades are included in the
21 revenue requirement of this general electric rate case filing. The Wagner
22 Direct Testimony provides information specific to these anticipated costs.

23

1 **Q. What is the estimated amount of reagent costs that NorthWestern**
2 **will seek to recover through the FAC?**

3 **A.** NorthWestern expects that, collectively for the generation plants, reagent
4 costs will be approximately \$1.65 million annually. The Wagner Direct
5 Testimony provides additional information regarding the reagents and their
6 related costs.

7
8 **Q. Besides necessary emissions control upgrades at electric generation**
9 **plants, what other major capital infrastructure investments are**
10 **primary drivers in this rate request?**

11 **A.** NorthWestern has continuously made major investments in its South
12 Dakota electric generation, transmission, and distribution operations to
13 provide the high quality service expected by customers. Approximately
14 \$178.6 million has been invested in our South Dakota electric utility assets
15 over the past five years, excluding any costs related to necessary
16 emissions control upgrades.

17
18 One such project was NorthWestern's natural gas peaker plant located in
19 Aberdeen, South Dakota ("Aberdeen Peaker"). The Aberdeen Peaker is a
20 60 MW facility that went into service in 2013. NorthWestern is proud that
21 we were able to bring the project in under budget, for a total of \$55 million.
22 This investment will allow NorthWestern to meet its summer and winter
23 peaking needs more cost effectively than relying on market purchases or

1 purchase power agreements and ensure a more reliable energy supply to
2 our customers when it is needed most. The Wagner Direct Testimony
3 provides additional details about the Aberdeen Peaker project.

4

5 NorthWestern is also currently upgrading electric utility services in
6 Yankton, South Dakota. This project includes an upgrade to the existing
7 115 kV transmission line and a new substation. Once the project is
8 complete, Yankton will have a looped system to better accommodate
9 community growth and provide additional system reliability. The total
10 project cost is estimated to be \$21 million. NorthWestern expects the
11 project to be completed and on-line by fall of 2015. The Prefiled Direct
12 Testimony of Michael Cashell (“Cashell Direct Testimony”) provides more
13 details on the Yankton transmission project upgrade.

14

15 **Q. Please discuss, in general terms, NorthWestern’s philosophy**
16 **concerning maintaining infrastructure.**

17 **A.** NorthWestern uses a systematic, disciplined approach when analyzing
18 infrastructure management and investment needs. We regularly measure
19 our level of system reliability and performance using nationally accepted
20 industry standards. That information is compared against our peers on a
21 regional and national level to give NorthWestern a point of reference as to
22 how well we are doing. This information is also gathered to assist our
23 operations personnel in identifying potential problem areas that may

1 require additional attention and to serve as a guide in determining capital
2 investment or maintenance activities to appropriately address the
3 situation. South Dakota customers have come to expect high quality
4 service from NorthWestern and we intend to continue meeting those
5 expectations.

6

7 **Q. Earlier in your testimony, you stated that NorthWestern is planning**
8 **to join SPP. Please briefly discuss why NorthWestern is joining SPP.**

9 **A.** Two primary drivers are influencing NorthWestern’s decision to join SPP:
10 1) the Integrated System’s (“IS”) – consisting of the Western Area Power
11 Administration (“WAPA”), Basin Electric Power Cooperative, and
12 Heartland Power Consumers District – decision to move to SPP, and 2)
13 the Federal Energy Regulatory Commission’s (“FERC”) Order 1000.

14

15 NorthWestern’s transmission system has 14 interconnection points with
16 other transmission entities in the Western Upper Great Plains region.
17 These entities help to provide the delivery of capacity and energy to
18 NorthWestern as well as provide system stability. Of those 14
19 interconnection points, 10 are within the IS. Therefore, NorthWestern’s
20 overall system reliability, access to markets, ancillary services, and power
21 delivery are heavily tied to the IS.

22

1 In addition, NorthWestern currently participates in the Mid-Continent Area
2 Power Pool (“MAPP”) for regional planning purposes. The current
3 arrangements with WAPA and MAPP do not qualify under FERC Order
4 1000 requirements, as described in Cashell Direct Testimony. Therefore,
5 once the IS decided to migrate to SPP, NorthWestern needed to explore
6 its options: join SPP, join the Midwest Independent System Operator, or
7 remain a stand-alone entity. The results of our evaluation supported our
8 joining SPP with the IS. The Prefiled Direct Testimony of Bleau LaFave
9 (“LaFave Direct Testimony”) provides additional background and
10 information related to NorthWestern’s move to join SPP.

11

12 **Q. Does NorthWestern use an integrated resource planning (“IRP”)**
13 **process for determining future energy supply and capacity needs?**

14 **A.** Yes. The IRP process plays an important role in helping the Company to
15 evaluate its future energy supply and capacity needs. The resulting plan
16 provides a blueprint of what the Company sees as future challenges and
17 how it plans to address those challenges in a timely fashion. It also helps
18 to guide the Company in determining its investment strategy in meeting
19 identified needs on behalf of our customers. The LaFave Direct
20 Testimony provides an overview of our IRP process.

21

22 **Q. What is the historical test year proposed by the Company in this**
23 **general electric rate case?**

1 **A.** NorthWestern proposes an historical test year based on the 12 months
2 that ended September 30, 2014, and that includes normalized
3 adjustments with known and measurable changes. The Prefiled Direct
4 Testimony of Kendall Kliewer describes the known and measurable
5 changes and normalized adjustments made in preparation for this filing.

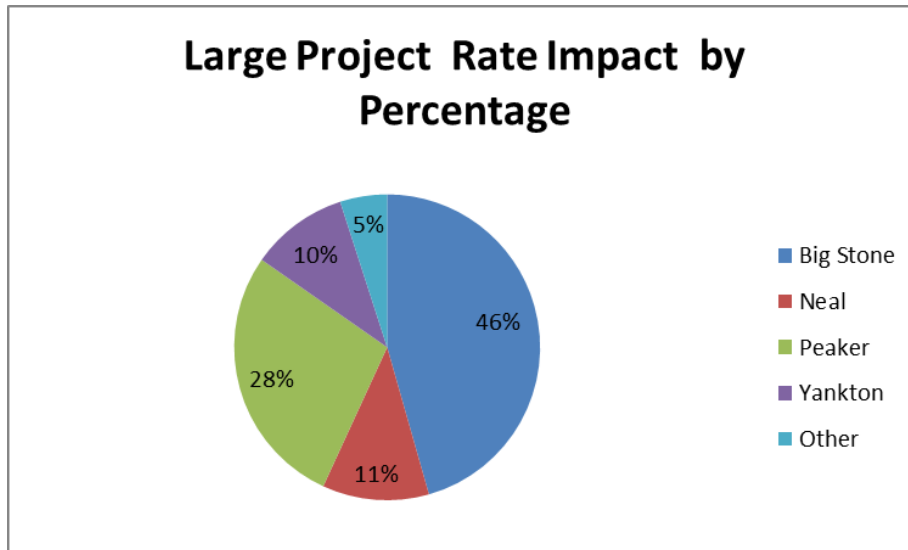
6

7 **Q. What is NorthWestern’s requested revenue requirement and
8 requested Return on Equity (“ROE”)?**

9 **A.** NorthWestern’s requested revenue requirement in this general electric
10 rate filing is \$26,509,557 (20.24% increase based on total billed revenue)
11 with a requested ROE of 10%, which was in the low end of the range
12 provided by our consultant and in line with recently authorized electric
13 ROEs in the utility industry.

14

15 The graph below shows that 95% of requested revenue requirement is
16 capital investments (including depreciation) related to mandated federal
17 environmental emissions upgrades to our generation fleet, solidifying our
18 peaking generation and improvements to critical transmission
19 infrastructure.



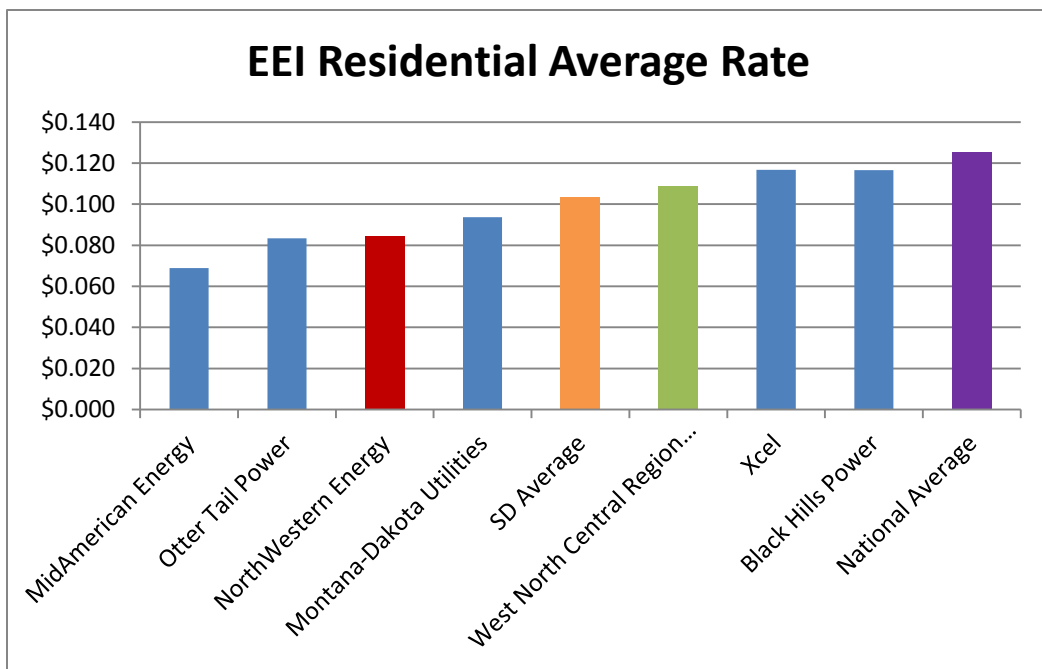
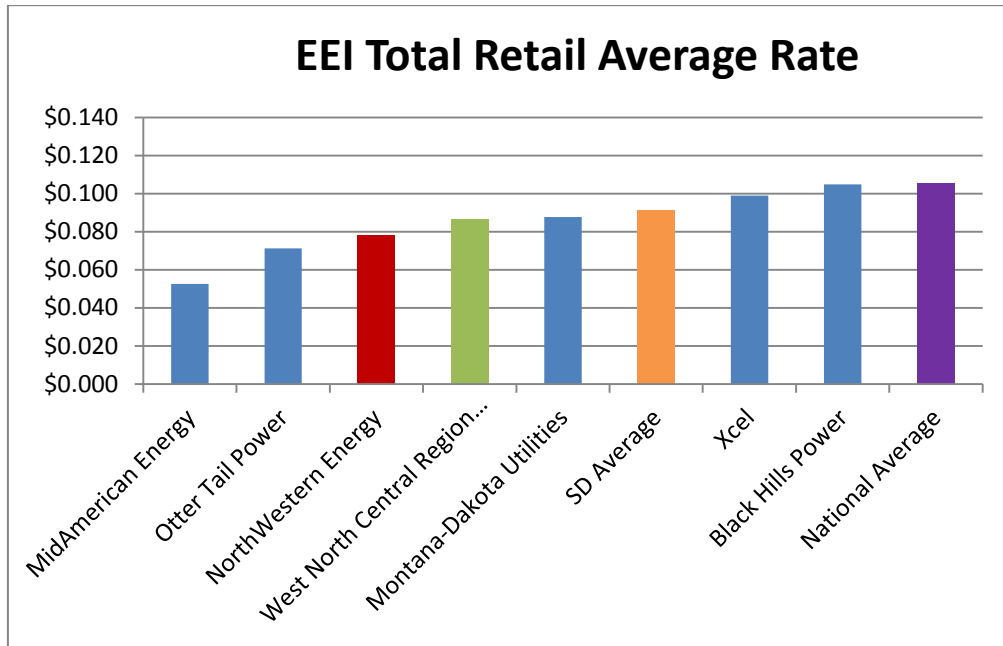
1 **Q. What is the anticipated impact to customer bills as a result of this**
 2 **rate increase request?**

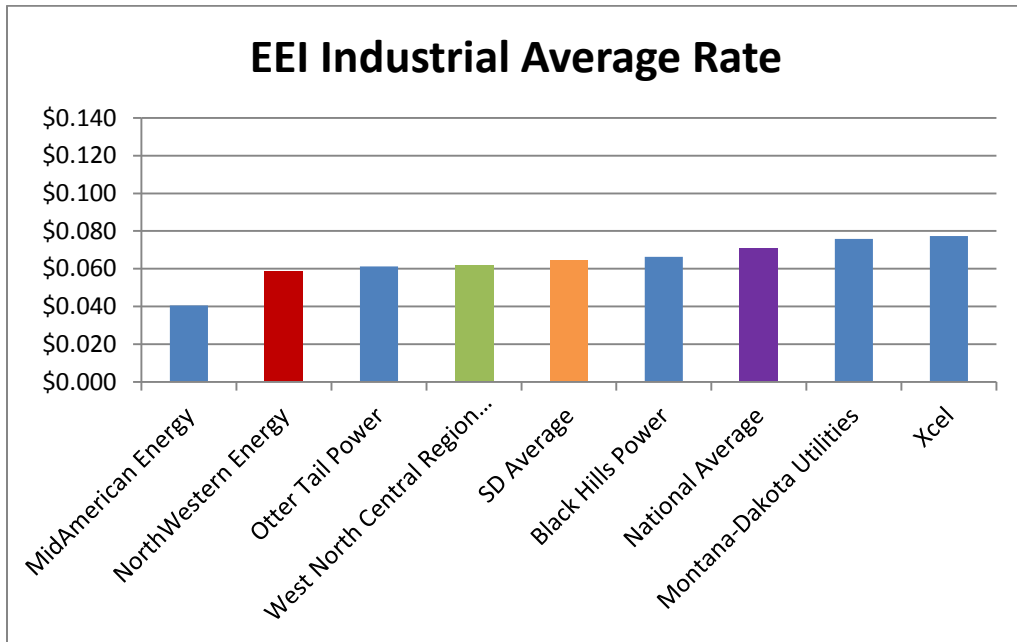
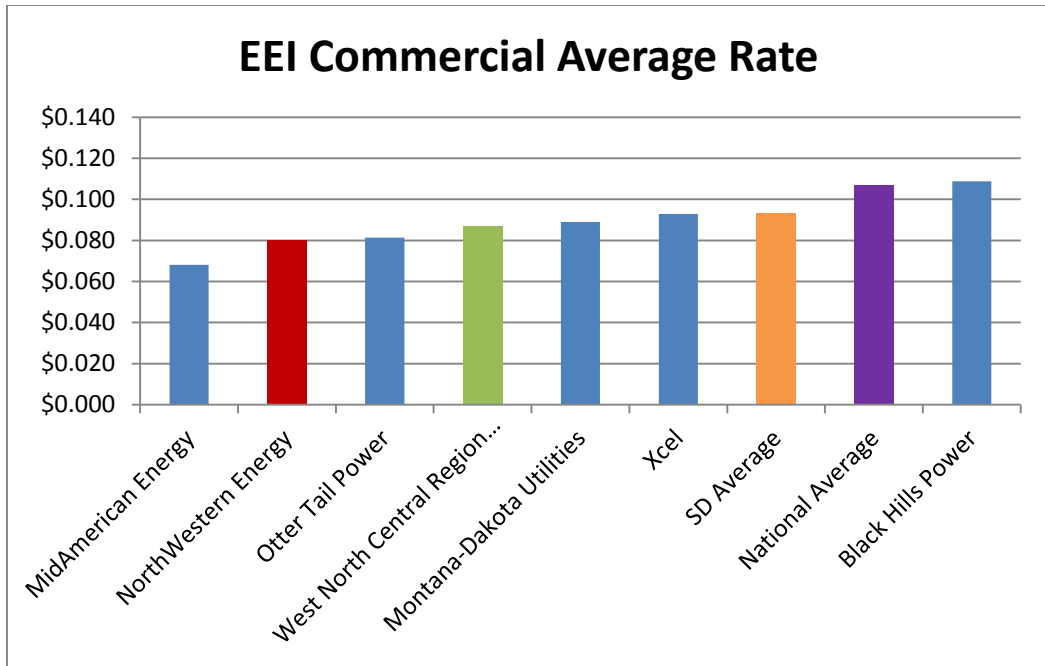
3 **A.** The average residential customer that uses 750 kWh per month can
 4 expect to see a \$16.76 increase on a per month basis. The increase
 5 experienced by commercial and industrial customers will vary depending
 6 on rate class, load factor, and amount and nature of use.

7
 8 **Q. How do NorthWestern’s average electric rates compare to other**
 9 **South Dakota, regional and national average electric rates?**

10 **A.** Below are four graphs that compare NorthWestern’s current rates against
 11 our South Dakota investor-owned utility (“IOU”) peers for average retail
 12 electric rates, average residential electric rates, average commercial
 13 electric rates, and average industrial electric rates. The graphs also show
 14 how NorthWestern’s average electric rates for these categories compare
 15 against South Dakota, West North Central Region, and national average

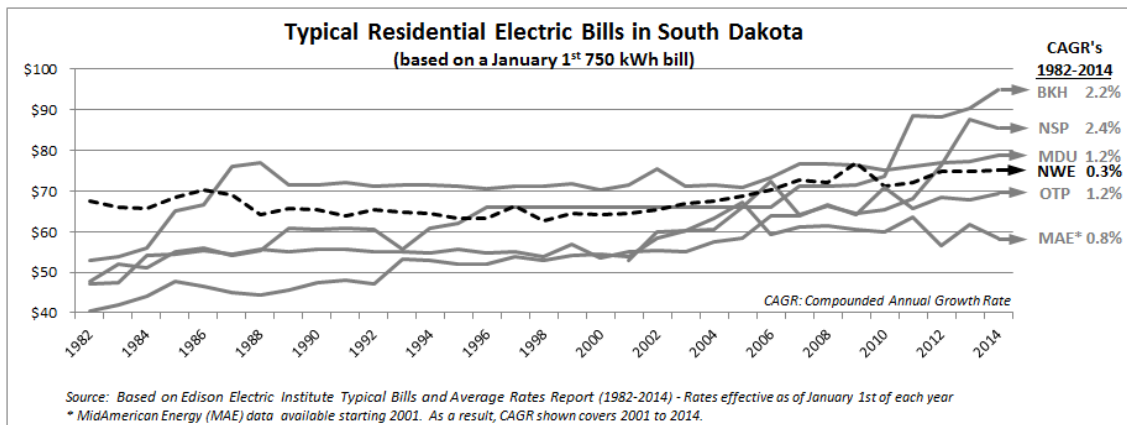
1 rates. Information for this comparison was gathered from Edison Electric
 2 Institute's Typical Electric Bills study of rates in effect July 1, 2014.



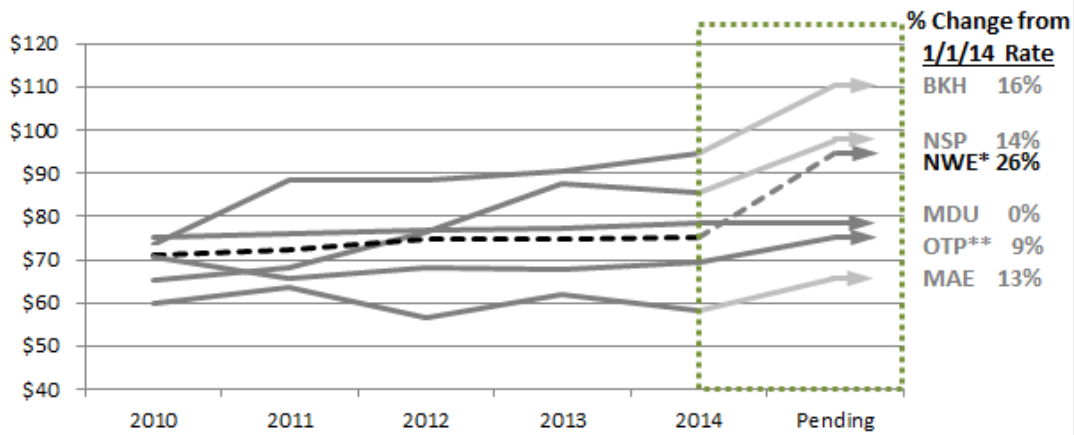


1 NorthWestern compares quite favorably against our South Dakota peer
 2 utilities and on a statewide, regional, and national average basis. In most
 3 instances, NorthWestern's average electric rates for each comparison are
 4 either second or third lowest overall. In all cases, NorthWestern's average
 5 electric rates are lower than the South Dakota, regional, and national

1 averages. Additionally, if the Commission fully approves NorthWestern's
 2 requested rate increase as contained in this filing, NorthWestern's electric
 3 rates would remain in the middle as compared to the other South Dakota
 4 IOUs that have pending rate cases – assuming the Commission approves
 5 their requested increases without changes (see Charts 1 -2 below).
 6 When comparing NorthWestern's requested rate increase against the
 7 other South Dakota IOUs' pending rate requests and accounting for
 8 Compounded Annual Growth Rate ("CAGR"), NorthWestern's CAGR
 9 since 1982 is only 1.1% for the average residential electric bill based on
 10 750 kWh monthly, the lowest of all South Dakota IOUs (see Chart 3
 11 below). Notable exceptions to these comparisons include: 1) MDU –
 12 does not have a pending rate increase or rider that affects its electric
 13 customers and 2) OTP – recently received Commission approval for an
 14 environmental rider for the recovery of its costs related to emissions
 15 control upgrades. Both IOUs are included to provide a more complete
 16 South Dakota electric rate comparison between NorthWestern and its IOU
 17 peers.



Typical Residential Bill Impact from Pending Filings (Based on 750 kWh bill - change from January 1st, 2014 rates)

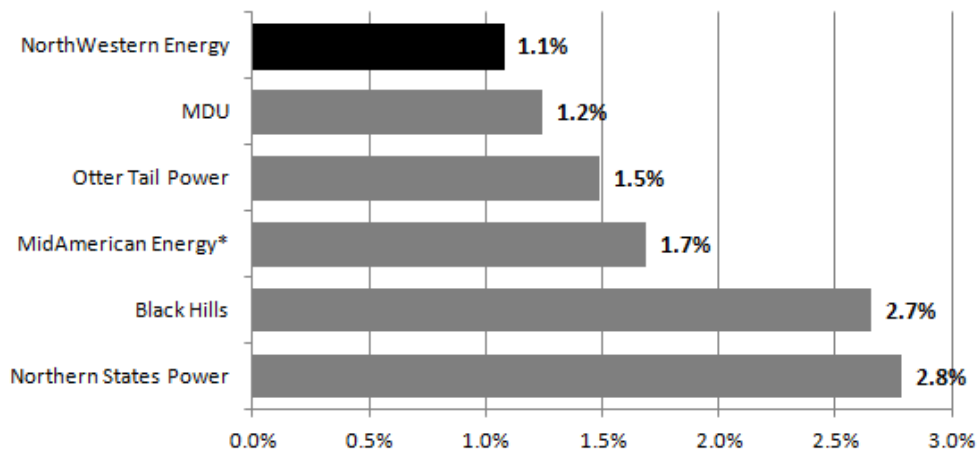


* NorthWestern's (NWE) 26% increase shown above is different than 20.2% increase as filed. For consistency among IOUs, the increase above is calculated based upon the impact to a typical residential bill using rates in place as of 1/1/2014. The rate filing as submitted calculates the 20.2% impact based on the increase to total test period revenue.

** Otter Tail (OTP) Rider impacting rates is approved and not pending PUC approval.

Source: 2010 - 2014 based on Edison Electric Institute Typical Bills and Average Rates Report.
Pending Requests based on best information available in regulatory filings and company press releases.

34 Year Typical Residential Bill CAGR (1982 - Current, including NWE and others' pending requests before the SD PUC)



* MidAmerican Energy data available starting 2001. As a result, CAGR shown covers 2001 to 2014.
Source: CAGR Calculated based on Edison Electric Institute Typical Bills and Average Rates Report and pending requests based on best information available in regulatory filings and company press releases.

1 Overview of NorthWestern

2 **Q. Please describe NorthWestern and its three-state service territory.**

3 **A.** NorthWestern is a rate-regulated electric and natural gas provider in South
4 Dakota and Montana. In Nebraska, NorthWestern is a jurisdictional
5 natural gas utility with 41,900 customers in four communities. Our
6 Montana operations serve 344,500 electric customers in 187 communities
7 and 184,900 natural gas customers in 105 communities. See
8 Exhibit__(RCR-1) for a map of NorthWestern's multi-state service territory.

9
10 In South Dakota, the Company provides electricity to 62,100 customers in
11 110 communities and natural gas to 44,900 customers in 60 communities.
12 Residential customers comprise 80% of our electric customer base in
13 South Dakota while the remaining 20% are classified as
14 commercial/industrial customers. Natural gas customers are 87%
15 residential and 13% commercial/industrial in South Dakota.

16 Exhibit__(RCR-2) shows a map of our South Dakota service territory
17 along with the location of our coal-fired generation assets.

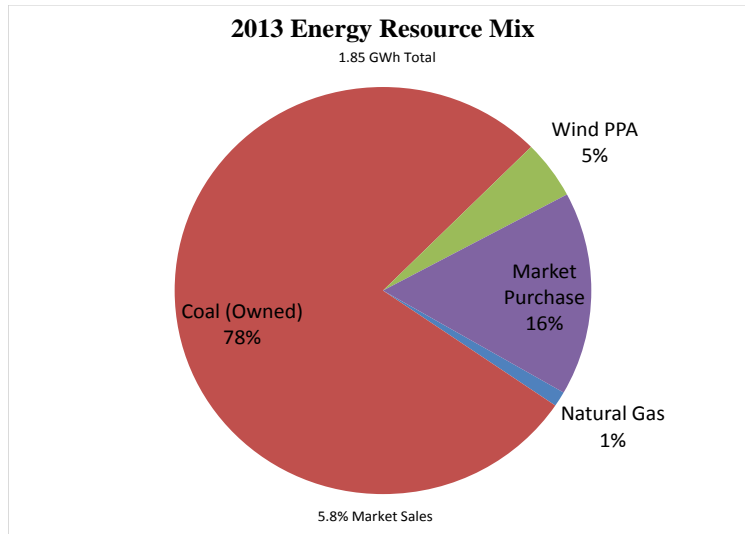
18
19 NorthWestern has corporate locations in Sioux Falls, South Dakota, and
20 Butte, Montana. South Dakota electric and natural gas operations are
21 managed from Huron, South Dakota. Employees are based out of 15
22 office locations across our South Dakota service territory that are open to
23 the public.

1 The Company has more than 1,600 employees throughout the three-state
2 service area with close to 300 employees in South Dakota. Many of our
3 South Dakota employees work in both electric and natural gas services.
4 As with many of our peer utilities, NorthWestern is experiencing changes
5 in its South Dakota workforce as many of our employees reach retirement
6 age. A review of our workforce and pending retirements has been
7 completed and is updated periodically. The Prefiled Direct Testimonies of
8 Michael Sydow and Bobbi Schroepfel (“Sydow Direct Testimony” and
9 “Schroepfel Direct Testimony”) provide additional details regarding
10 workforce planning.

11

12 **Q. Please provide an overview of NorthWestern’s electric utility assets**
13 **and operations in South Dakota.**

14 **A.** NorthWestern’s South Dakota electric generation needs are met through a
15 mix of co-ownership in three coal plants, a purchase power agreement for
16 wind power, a mixture of diesel and natural gas peakers or emergency
17 generation plants, and energy wholesale market purchases. Below is a
18 pie chart depicting NorthWestern’s South Dakota generation supply
19 profile. The Wagner Direct Testimony gives a more detailed description
20 regarding NorthWestern’s electric generation assets.



1 Transmission delivery services are provided through a 115 kV line that
 2 serves as the transmission backbone and runs north to south through the
 3 James River Valley starting near the North Dakota border and ending at
 4 the Gavin’s Point Dam near Yankton, South Dakota. Additionally, 69 kV
 5 and 34.5 kV radial and looped transmission lines serve our major load
 6 centers. NorthWestern also has ownership interest in transmission lines
 7 from our coal generation assets to deliver energy into our overall
 8 transmission network. In total, the Company owns 1,254 miles of
 9 transmission lines in South Dakota. NorthWestern’s transmission system
 10 is continuously monitored for reliability and outages. Typically,
 11 NorthWestern’s transmission system ranks in the first or second quartile
 12 for reliability and number of outages. The Cashell Direct Testimony gives
 13 a more detailed description regarding NorthWestern’s electric
 14 transmission assets and operations.

15

1 NorthWestern's South Dakota electric distribution assets include: 81
2 distribution substations; 207 distribution circuits; 2,356 miles of overhead
3 distribution lines; 543 miles of underground distribution lines; distribution
4 line voltages ranging from 2.4 kV to 34.5 kV; 18,985 distribution
5 transformers; and 62,825 electric meters. The Huron Operations Center is
6 the nerve center for operating the system and monitoring system
7 performance. Operations personnel reside throughout our electric service
8 territory and are responsible for operating and maintaining our electric
9 distribution services at the local level. Many of these employees also
10 assist with operations and maintenance needs related to electric
11 transmission or natural gas distribution. Another advantage of locating
12 personnel throughout the service territory is faster responses to outages
13 or emergency situations. The South Dakota electric utility consistently
14 operates in the top quartile for system reliability and performance as
15 measured on a national and regional basis. The Sydow Direct Testimony
16 provides a more detailed description regarding NorthWestern's electric
17 distribution assets and operations.

18

19 Corporate Governance

20 **Q. Please describe NorthWestern's philosophy regarding corporate**
21 **governance.**

22 **A.** NorthWestern's Board oversees the business of the Company. It
23 establishes overall policies and standards for the Company and reviews

1 management's performance. The Board operates pursuant to written
2 Corporate Governance Guidelines that set forth the Company's corporate
3 governance philosophy and the governance policies and practices that the
4 Company has established to assist in governing the Company and its
5 affiliates. Our Corporate Governance Guidelines can be found on our
6 website at www.northwesternenergy.com under *Our Company/Investor*
7 *Relations/Corporate Governance*.

8
9 We are committed to strong corporate governance. As governance
10 standards have evolved, we have enhanced our own governance
11 standards as appropriate to best serve the interests of our stakeholders.
12 We believe that the corporate governance practices we have adopted
13 benefit our debt and equity owners, employees, and ultimately customers
14 by maintaining appropriate accountability for NorthWestern.

15
16 Various other policies and practices also set the standard for our
17 performance and operations. For example, a Code of Business Conduct
18 and Ethics was adopted by the Board to ensure that our operations,
19 employees, and directors conform to the best possible corporate
20 governance practices. The Board has also divided the duties of the
21 Chairman of the Board from those of the President and Chief Executive
22 Officer to ensure our commitment to corporate governance principles. I

1 am not the Board Chairman and am the only non-independent member of
2 the Board.

3

4 **Q. What is NorthWestern’s approach to Enterprise Risk**
5 **Management (“ERM”)?**

6 **A.** While management is responsible for day-to-day risk management
7 processes, NorthWestern has structured our ERM reporting relationship
8 through our Chief Audit and Compliance Officer who reports functionally to
9 the Audit Committee of the Board. NorthWestern believes this division of
10 responsibilities is the most effective approach for addressing the risks
11 facing our company, and our Board leadership structure supports this
12 approach.

13

14 NorthWestern’s Audit Committee is primarily responsible for overseeing
15 the Company’s risk management processes on behalf of the full Board by
16 monitoring Company processes for management’s identification and
17 control of key strategic, operational, financial, regulatory and compliance
18 risks. The Audit Committee receives reports from management at least
19 quarterly regarding the Company’s assessment of risks. The Human
20 Resources Committee oversees risks in compensation plans, and the
21 Nominating and Corporate Governance Committee oversees risk in
22 corporate governance and social responsibilities including environmental,
23 health, and safety matters. In addition, the Audit Committee and the full

1 Board focus on the most significant risks facing the Company and review
2 the corporate risk appetite in evaluating strategic alternatives. While the
3 Board oversees the Company's risk management, our CEO and Executive
4 Risk Management Committee act to ensure that our ERM and business
5 continuity programs achieve their objectives.

6

7 **Q. Has NorthWestern been recognized for its corporate governance
8 practices?**

9 **A.** Yes. Our efforts to operate at the highest level of corporate governance
10 have been recognized on numerous occasions. In 2013, Forbes
11 recognized us for the third straight time on its list of America's Most
12 Trustworthy Companies, a distinction awarded, according to Forbes, for
13 transparent accounting and solid corporate governance practices. Our
14 proxy disclosures were recognized by *Corporate Secretary* magazine as
15 finalists for Best Proxy Statements in 2012 and 2013. In November 2014,
16 NorthWestern's annual proxy statement was recognized as the very best
17 among small and mid-cap companies. Glass, Lewis & Company also
18 recognized NorthWestern as one of the top 42 companies in the United
19 States in its 2011 "Say on Pay" analysis, which recognizes companies
20 with clear disclosure and conservative policy concerning executive
21 compensation. In addition, NorthWestern earned an "A" from the New
22 York Stock Exchange's Corpedia for its Code of Conduct and Ethics,

1 putting it in the top 2% of all energy and utility companies reviewed and
2 the top 1% of all companies reviewed.

3

4

Customer Satisfaction

5 **Q. Do you believe NorthWestern’s customers are satisfied with their**
6 **energy utility services?**

7 **A.** Yes, I do. NorthWestern – at all levels – constantly strives to provide the
8 highest quality of utility services. We take great pride in our relationship
9 with our customers. As discussed in the Schroepfel Direct Testimony, our
10 customer satisfaction scores in South Dakota consistently rank in the top
11 quartile at the regional and national levels.

12

13 **Q. Please highlight some specific initiatives NorthWestern has**
14 **undertaken to build its customer relationships and community**
15 **involvement.**

16 **A.** In an effort to build on the great community relationship work that is
17 already at the core of how NorthWestern does business, we rolled out the
18 Community Works program in 2013. Community Works is an initiative to
19 bring together our community relations, economic development, charitable
20 giving, college and technical school scholarships, and employee
21 volunteerism efforts into one cohesive company-wide endeavor.
22 Approximately \$1.5 million (mainly shareholder money) is provided
23 through Community Works to support these activities throughout the

1 three-state service area. In South Dakota, approximately \$375,000 is
2 provided annually.

3

4 NorthWestern takes its role in helping South Dakota to remain viable and
5 competitive in the economic development arena very seriously. We
6 understand the value of partnerships and well planned communications to
7 highlight the advantages of South Dakota's business climate to
8 businesses looking to locate or expand within our service territory. The
9 importance of that collaborative effort translates to new jobs and business
10 opportunities for our customers. NorthWestern appreciates the
11 opportunity to assist our communities in reaching their goals.

12

13 NorthWestern is proud of its sponsorship role in a regional economic
14 development initiative called Advantage South Dakota. Advantage South
15 Dakota is the revival and renewal of a previous economic development
16 effort that involved NorthWestern and communities it serves. The
17 previous economic development effort was disbanded in the early 2000s
18 when member communities decided to pursue economic development at
19 the community level rather than regionally. NorthWestern hosted a
20 meeting in 2009 with our community economic development leaders to
21 gauge their interest in pursuing a regional effort once again. As a result of
22 that meeting, Advantage South Dakota launched in April 2010.

23

1 Advantage South Dakota is a regional partnership organization involving
2 NorthWestern, our community economic development leaders, and the
3 Governor's Office of Economic Development. The goal of Advantage
4 South Dakota is to take a more comprehensive and integrated approach
5 to developing economic development opportunities and promoting job
6 growth for communities within our service territory.

7
8 The Advantage South Dakota membership has been active in developing
9 a website (<http://www.advantagesouthdakota.com>), setting up booths at
10 industry meetings in an effort to attract new business, supporting
11 workforce development efforts, looking for innovative solutions to housing
12 needs, and meeting directly with site selectors to heighten their awareness
13 of the James River Valley as a good place to do business.

14
15 In addition to the all of the activities I just described, the majority of our
16 employees are active in their communities. In 2013, employees reported
17 volunteering approximately 14,000 hours. Earlier this year, NorthWestern
18 was awarded the Pro Patria award for its support of employees who serve
19 in the National Guard and Reserves. I was honored to join other
20 NorthWestern employees, led by Mitchell Gas Foreman Ken
21 Schoenfelder, who also serves his country as Chief Warrant Officer Four.
22 Our employees are just as dedicated to serving their country as they are
23 to serving our customers.

1 **Q. Has NorthWestern undertaken any other unique efforts to heighten**
2 **its presence in the communities it serves?**

3 **A.** Yes. In 2010, NorthWestern's Board decided to hold its meetings in
4 locations throughout our service area. The Board believed there were two
5 important benefits of this decision: 1) It would provide an opportunity for
6 community, regional, and state leaders to interact with our Board
7 members through community meetings that are hosted each time they
8 meet in one of our communities; and 2) By meeting in our local offices, the
9 Board would be able to get to know our employees on a personal level
10 and hear about issues of importance to them. Thus far, the Board has
11 held South Dakota-based meetings in Aberdeen, Yankton, Sioux Falls,
12 Brookings (twice), Mitchell (twice), and Huron (two annual shareholder
13 meetings). By all accounts, the Board's decision to hold its meetings in
14 our service territory has been a great success.

15
16 A second endeavor that I have personally undertaken is to take a week
17 each year to drive through our South Dakota service territory to meet with
18 legislative, community, and local or statewide policy leaders. Employee
19 meetings are also held in each of our local area offices as part of the tour.
20 NorthWestern does not come with a particular agenda in mind but uses
21 the tour as an opportunity to give a general update on our activities and
22 initiatives and answer any questions these leaders may have concerning
23 NorthWestern or other matters. These road trips provide a tremendous

1 opportunity to get to know important decision-makers on a personal basis
2 and establish NorthWestern as an information resource. Basically, we
3 want to know what we can do to support our communities and serve our
4 customers.

5
6 **Q. How does NorthWestern measure the effectiveness of these efforts**
7 **in building customer satisfaction?**

8 **A.** NorthWestern tracks a number of customer perception metrics and
9 performs statistical analyses to understand what is important to customers
10 and the key drivers of customer satisfaction. Through a series of research
11 projects, NorthWestern has defined its Reputation Pillars as Prepared,
12 Trustworthy, Community-focused, and Customers First.

13
14 South Dakota electric customers are the most satisfied subset of
15 NorthWestern customers across all customer groups. Ninety percent of
16 South Dakota electric customers strongly agree or agree the Company
17 sets the standard of excellence for energy delivery and 83% strongly
18 agree or agree NorthWestern is an excellent company. On a 10-point
19 scale, NorthWestern receives high marks from South Dakota electric
20 customers when it comes to being a trusted company (8.88), being
21 involved in the community (7.96), having employees who are visible in the
22 communities (8.14), conducting business in a responsible manner (8.52),
23 being sincere advocates for our communities (8.08), being invested in the

1 future of our communities (8.14), and being engaged in developing our
2 communities and businesses (7.66). The Schroepfel Direct Testimony
3 provides additional detail regarding South Dakota electric customer
4 research results.

5

6 Controlling Customer Energy Use

7 **Q. Please describe NorthWestern’s philosophy concerning helping**
8 **customers who are struggling to pay their bills.**

9 **A.** NorthWestern wants to be an energy partner and not just a provider. We
10 believe it is important to be a part of our communities and to be easily
11 accessible. We work to be proactive with customers in payment
12 arrangements and help with access to energy assistance programs and
13 options. The Schroepfel Direct Testimony discusses in more detail how
14 we work with customers, as well as programs and services we offer to
15 assist customers.

16

17 **Q. What is NorthWestern doing to help its customers control their**
18 **energy usage?**

19 **A.** Energy efficiency programs are a great way for customers to reduce
20 usage and to use energy more wisely. NorthWestern believes cost-
21 effective Demand-Side Management (“DSM”) is a necessary and
22 important part of the portfolio of electric and natural gas supplies it
23 acquires to serve the energy needs of its customers, while helping them to

1 be proactive in reducing their energy usage. A primary benefit of cost-
2 effective DSM is that it displaces the need to purchase more expensive
3 electric or natural gas resources by reducing customer energy usage
4 through efficiency gains. In that sense, DSM can be viewed as an energy
5 resource. Another important benefit of DSM is that it provides tools
6 individual customers can use to reduce their energy bills without loss of
7 comfort or convenience. Also, environmental benefits are an important
8 aspect of DSM. Energy saved through DSM activities reduces the need
9 for additional electric generation, consumption of fossil fuels resulting in
10 reduced emissions, and other environmental impacts.

11
12 Beginning in October 2014, NorthWestern rolled out its DSM program to
13 our South Dakota customers. The Company's primary focus has been to
14 educate our customers concerning what our DSM portfolio provides and
15 how to access program offerings. Initial customer offerings have included
16 lighting rebates for both residential and commercial/industrial customers
17 and home energy audits. Thus far, customer response has primarily
18 involved our commercial/industrial customers who are actively seeking
19 input on energy efficiency projects and how our DSM program can assist
20 them in attaining their energy savings goals. NorthWestern will continue
21 to promote our DSM program to our customers through our Company
22 website, media, bill inserts (including *Energy Connections*), advertising,
23 hosting events at our local offices, and attending home shows and fairs.

1 **Q. Does NorthWestern believe energy efficiency is important to**
2 **customers?**

3 **A.** Customer research has repeatedly demonstrated to NorthWestern that our
4 customers expect their utility to be their energy expert and to help them
5 find ways to conserve energy. Customer research conducted in
6 September 2014 indicates 76% of NorthWestern's South Dakota electric
7 customers are interested in receiving more information about energy
8 efficiency with their bill. Of all topics tested, customers were most
9 interested in energy efficiency. During home shows and fairs, customers
10 stop by seeking energy efficiency information. Since receiving final
11 approval of our DSM Program from the Commission, South Dakota
12 customers have been reaching out to learn more about the available
13 portfolio offerings and how they may take advantage of them. Helping
14 customers to conserve and lower their energy costs is an important
15 component of keeping customers happy with their energy utility.

16

17 **Introduction of Company Witnesses**

18 **Q. Please introduce the other Company witnesses who have submitted**
19 **prefiled direct testimony in this general electric rate case filing.**

20 **A.** In addition to my policy testimony, the following Company employees and
21 consultants serve as witnesses in this proceeding:

- 22
- Brian Bird, Vice President and Chief Financial Officer
 - Adrien McKenzie, Vice President of FINCAP, Inc.
- 23

- 1 • Kendall Kliewer, Vice President and Controller
- 2 • Ron White, Chairman and Senior Consultant of Foster Associates,
- 3 Inc.
- 4 • Jeffery Decker, Regulatory Specialist
- 5 • Gary Goble, Consultant with Management Applications Consulting,
- 6 Inc.
- 7 • Dennis Wagner, Director South Dakota Production Operations
- 8 • Bleau LaFave, Director Long-Term Resources
- 9 • Michael Cashell, Vice President - Transmission
- 10 • Bobbi Schroepfel, Vice President – Customer Care,
- 11 Communications and Human Resources
- 12 • Michael Sydow, Manager General South Dakota/Nebraska
- 13 Distribution Operations

14

15 Collectively, these witnesses will provide the necessary information and
16 supporting documentation to assist the Commission in evaluating and
17 approving our Application.

18

19 **Q. Does this conclude your testimony?**

20 **A.** Yes, it does.