

Direct Testimony and Schedules
Daniel J. Connoy

Before the North Dakota Public Service Commission
State of North Dakota

In the Matter of the Application of Northern States Power Company
for Authority to Increase Rates for Natural Gas Service in North Dakota

Case No. PU-26-____
Exhibit__(DJC-1)

Gas Operations

January 30, 2026

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1 **I. INTRODUCTION AND QUALIFICATIONS**

2
3 Q. PLEASE STATE YOUR NAME AND OCCUPATION.

4 A. My name is Daniel J. Connoy. I am the Director, Gas Engineering for Xcel
5 Energy Services Inc. (XES), the service company affiliate of Northern States
6 Power Company (Xcel Energy, NSP, or the Company), a Minnesota
7 corporation and an operating company subsidiary of Xcel Energy Inc. that
8 provides natural gas service in North Dakota.

9
10 Q. PLEASE SUMMARIZE YOUR QUALIFICATIONS AND EXPERIENCE.

11 A. I have a Bachelor of Science degree in Civil Engineering from North Dakota
12 State University. I have been employed by XES since 2007. Throughout my
13 career, I have held positions of increasing responsibility in the areas of gas
14 operations, gas design, gas engineering, and gas compliance. I was promoted to
15 my current position in March of 2023. In my current role, I oversee the
16 Company's engineering support for our gas operating groups within Xcel
17 Energy's gas utility operating companies, including NSP. This engineering
18 support includes engineering design, creation of procedures, design
19 standardization incorporating best practices and improving efficiency, escalated
20 operations assistance, and technical guidance for gas metering. A description of
21 my qualifications, duties, and responsibilities is provided as Exhibit___(DJC-1),
22 Schedule 1.

23
24 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?

25 A. The purpose of my Direct Testimony is to provide technical support for the
26 revenue requirement attributable to the Gas Operations and other gas system
27 investments that are drivers of this rate case, including investments at the

1 Company's three gas peaking plants (the Peaking Plants).¹ I introduce the Gas
2 Operations functions, describe how our integrated gas system serves our North
3 Dakota customers, and describe major investments that significantly contribute
4 to the need for this rate case. I also present the operations and maintenance
5 costs (O&M) for Gas Operations and our Peaking Plants, which have increased
6 since our last natural gas rate case² largely as a result of a forecasted increase in
7 damage prevention costs, increased in-house technical expertise at the Peaking
8 Plants, and increased transportation costs.

9
10 Q. WHAT ARE THE MAJOR GAS SYSTEM INVESTMENTS DRIVING THE NEED FOR THIS
11 RATE CASE?

12 A. The Company has made substantial capital investments in its natural gas system
13 since the 2024 Rate Case. The major investments include routine projects
14 necessary to serve new business within our growing North Dakota service
15 territory, projects to increase the capacity of our distribution system so that we
16 can continue to be able to safely and reliably serve all our customers under even
17 extremely cold weather conditions, improvements to the Company's Peaking
18 Plants, investments in the reliability and safety of our system, and mandatory
19 relocation projects. Specific major investments, which I discuss in this
20 testimony, include significant reliability projects in Fargo and Grand Forks, and
21 fire safety and other improvements to the Company's Peaking Plants.

22
23 Q. HOW HAVE YOU ORGANIZED YOUR TESTIMONY?

24 A. My testimony is organized into the following sections:

¹ Company witness Michele A. Kietzman discusses other capital additions included in the revenue requirement.

² (Case No. PU-23-367 using a 2024 test year) (2024 Rate Case).

- 1 • *Section I* – Introduction
- 2 • *Section II* – Gas Utility Overview
- 3 • *Section III* – Capital Additions
- 4 • *Section IV* – Gas O&M Expenses

6 II. GAS UTILITY OVERVIEW

8 A. North Dakota Gas Operations

9 Q. PLEASE PROVIDE AN OVERVIEW OF NSP’S GAS OPERATIONS IN NORTH
10 DAKOTA.

11 A. NSP provides natural gas sales and transportation service to more than
12 approximately 66,000 residential, commercial, and industrial customers in
13 North Dakota in the cities of Fargo, West Fargo, Grand Forks, and several
14 surrounding communities. We operate distribution facilities to serve our North
15 Dakota customers in three counties within the state. This includes
16 approximately 1,200 miles of gas distribution mains and over 65,000 gas service
17 lines as well as regulator stations and other supporting infrastructure. The
18 Company provides natural gas utility services in North Dakota as part of the
19 overall NSP gas system, which is operated as an integrated retail natural gas
20 procurement and delivery system that serves the Company’s gas customers in
21 portions of both North Dakota and Minnesota.

22
23 Q. WHAT ARE THE PRIMARY GAS OPERATIONS FUNCTIONS?

24 A. Gas Operations provides most major functions necessary to deliver natural gas
25 from upstream interstate pipelines to the customer’s meter and ensures public
26 safety through compliance with state and federal pipeline safety and other
27 applicable regulations. These functions include planning, engineering, design,

1 locating, construction, operations and maintenance, metering, and emergency
2 response. Gas Operations also coordinates with communities to relocate our
3 facilities when necessary for municipal projects like water and sewer projects.
4 Previously, Gas Operations managed our Peaking Plants in the Twin Cities;
5 however, that function has now been transferred to the Energy Supply
6 organization. Regardless of that internal reorganization, the Peaking Plants are
7 an important part of the Company's overall natural gas procurement and
8 delivery system reliability, and I present their capital additions and test year
9 O&M expenses in this testimony.

10
11 Q. WHAT ARE SOME OF THE SIGNIFICANT CHANGES TO THE COMPANY'S GAS
12 SYSTEM AND BUSINESS SINCE THE 2024 RATE CASE?

13 A. As the Company articulated in two prior gas rate cases, and as further discussed
14 in the Direct Testimony of Company witness John M. Goodenough, the
15 Company has continued to see customer growth in North Dakota. Customer
16 growth has been at a rate of approximately two percent per year through 2024
17 and continues, though at a somewhat lower rate. The Company makes new
18 business investments each year to serve those additional customers and has made
19 reliability investments so that it will have sufficient capacity to continue to safely
20 and reliably serve all its customers.

21
22 The Company also has continued to invest in routine system improvements and
23 has undertaken long-term initiatives focused on enhancing system safety and
24 integrity with capital investments consistent with federal and state regulations. In
25 particular, NSP has made investments in updating the fire suppression systems at
26 our gas Peaking Plants.

1 Q. YOU MENTIONED REGULATIONS AS ONE FACTOR DRIVING CAPITAL
2 INVESTMENTS IN THE GAS SYSTEM. PLEASE DESCRIBE THE REGULATIONS TO
3 WHICH YOU ARE REFERRING.

4 A. Between 2007 and 2022, the federal government enacted new laws and issued
5 new regulations governing natural gas pipeline safety. In summary, the final
6 DIMP (Distribution Integrity Management Program) rule was published by the
7 Department of Transportation's Pipeline and Hazardous Materials Safety
8 Administration (PHMSA) in 2009, the Pipeline Safety, Regulatory Certainty,
9 and Job Creation Act of 2011 was signed into law in early 2012, and the
10 Protecting our Infrastructure of Pipelines and Enhancing Safety Act of 2020
11 was enacted in late 2020. The Company responded to these regulatory
12 developments by, among other things, implementing its DIMP program,
13 establishing a separate gas business unit to increase the focus on public safety
14 for its gas distribution and transmission systems, and, beginning in 2022, making
15 annual, programmatic investments in renewing aging mains and service pipe.
16 To comply with these and other regulations and promote public safety, the
17 Company makes prudent investments each year in its natural gas infrastructure.

18
19 Q. DOES NORTH DAKOTA PLAY A ROLE IN REGULATING NATURAL GAS PIPELINES?

20 A. Yes. In North Dakota, the Commission oversees pipeline safety and has
21 generally adopted the federal regulations, including those outlined above. In
22 addition, the Commission also oversees and regulates one-call excavation
23 damage prevention rules, ensuring public safety through the proper marking of
24 underground facilities.

25

1 In making the necessary investments, the Company works to maintain
2 alignment with applicable regulatory requirements and industry best practices
3 while seeking to appropriately manage costs.

4
5 **B. The NSP Gas System**

6 Q. PLEASE DESCRIBE THE NSP GAS SYSTEM THAT SERVES NORTH DAKOTA.

7 A. The overall NSP gas system consists of upstream pipelines, storage facilities,
8 and the Peaking Plants that the Company uses to deliver natural gas to our local
9 distribution systems in North Dakota and Minnesota. The Company makes
10 unified purchasing, storage, and transportation decisions for its customers in
11 the two states. Because of efficiencies of scale and the variety of tools and
12 options it has, the Company is able to keep overall gas purchasing and
13 transportation costs lower than they would be if those functions were separate
14 for each jurisdiction. Each year, NSP conducts an annual gas supply planning
15 process, which includes a review of the costs and prudence of its various supply
16 options.

17
18 Where possible, NSP distribution system costs are directly assigned. Other costs
19 related to serving customers in both states are allocated between the states as
20 described by Company witness Charles R. Henckler and reflected in the
21 allocation manual, which is attached to Company witness Henckler's Direct
22 Testimony as Exhibit___(CRH-1), Schedule 11.

23
24 Q. HOW DOES NSP PROCURE NATURAL GAS TO SERVE ITS CUSTOMERS IN NORTH
25 DAKOTA?

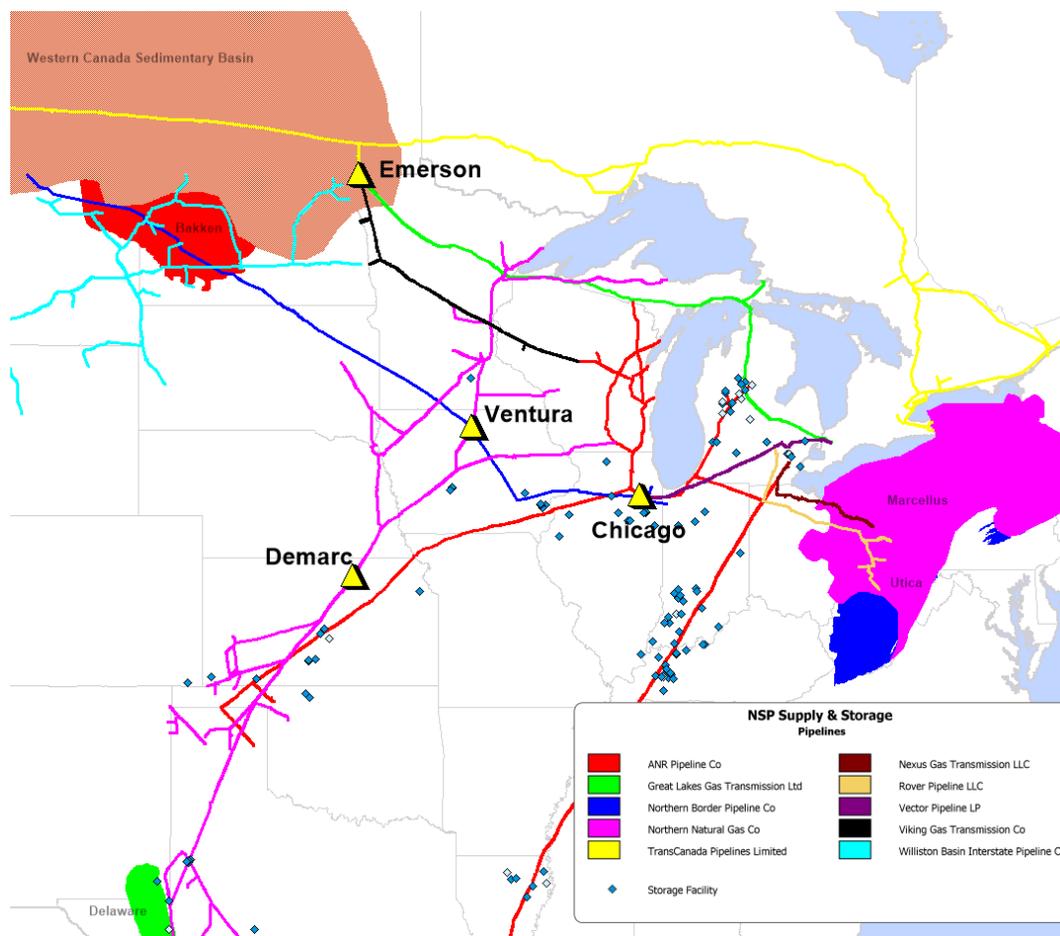
26 A. As I noted above, NSP has a unified approach to purchasing, storing, and
27 transporting natural gas for NSP gas customers, including those in North

1 Dakota. This enables efficiencies of scale, which lowers costs for all our natural
2 gas retail customers. The natural gas the Company purchases is transported by
3 interstate pipelines to our distribution systems, including our systems in the
4 Fargo and Grand Forks areas.

5
6 Specifically, NSP purchases the natural gas that it provides to customers in
7 North Dakota and Minnesota through a combination of baseload contracts and
8 daily spot market purchases at four different market hubs: the Ventura Hub, the
9 Demarcation Hub, the Emerson Hub, and the Chicago Hub. This diversity in
10 purchasing locations provides the Company with flexibility. If prices are higher
11 at a particular hub, NSP can respond by shifting some of its purchasing to other
12 hubs, and so the Company can keep gas costs lower than they would otherwise
13 be because it has multiple purchasing options. Natural gas from the Bakken
14 formation is transported through the Northern Border Pipeline Company
15 (Northern Border) system to the Ventura Hub located in Hancock County,
16 Iowa, which is where Xcel Energy purchases most of the natural gas that it gets
17 from the Bakken formation. The Demarcation Hub is located north of Clifton,
18 Kansas, and at that location the Company purchases natural gas which generally
19 comes from the Southwestern United States. Natural gas from Canada is
20 available at the hub in Emerson, Manitoba, and the Company also purchases
21 natural gas at the Chicago Hub. Figure 1 below shows the interstate pipelines
22 serving the NSP gas system, as well as the location of the hubs from which the
23 Company purchases natural gas for our customers.

24

1
2
3 **Figure 1**
4 **NSP Supply and Storage**



20 Q. CAN YOU PROVIDE MORE EXPLANATION REGARDING HOW PURCHASED
21 NATURAL GAS IS TRANSPORTED TO THE COMPANY'S NORTH DAKOTA
22 CUSTOMERS?

23 A. Yes. The Company's North Dakota natural gas distribution systems are
24 connected directly to two interstate pipeline systems: Viking Gas Transmission
25 Company (Viking) and WBI Energy Transmission Inc. (WBI). These are non-
26 affiliated pipelines regulated by the Federal Energy Regulatory Commission
27 (FERC). There is only limited capacity for the Company on the current WBI

1 pipeline. The Company has more capacity on Viking, which offers the most
2 economic transportation options for our North Dakota customers.

3
4 The Company's integrated system also utilizes upstream transportation services
5 on several other interstate pipelines, as shown in Figure 1. For example, the
6 Company uses upstream transportation and underground storage services on
7 several interstate gas pipelines that connect to Viking to serve its North Dakota
8 customers, including those owned by Northern Natural Gas Company, ANR
9 Pipeline Company, Great Lakes Gas Transportation Limited, and Northern
10 Border (as discussed above).

11
12 Q. WBI IS CURRENTLY DEVELOPING AN ADDITIONAL PIPELINE FROM THE
13 BAKKEN TO EASTERN NORTH DAKOTA. HOW DO YOU EXPECT THAT PROJECT
14 TO IMPACT THE COMPANY'S APPROACH TO SUPPLYING ITS NATURAL GAS
15 CUSTOMERS?

16 A. The Company has been very supportive of WBI's development of the new
17 pipeline. NSP anticipates that the pipeline would be the key source of natural
18 gas for the combustion turbine electric generation facility that the Company
19 proposes to locate near the Bison substation. The proposed pipeline could also
20 be a valuable resource to meet future growth needs in the Fargo area. However,
21 NSP does not anticipate displacing our existing transportation portfolio with
22 the new pipeline as a significant transportation resource for our North Dakota
23 natural gas customers. NSP does not believe replacing the transportation
24 capacity on Viking that is used to supply North Dakota customers with capacity
25 on the new pipeline would benefit our customers. Viking has lower
26 transportation costs than the anticipated costs for the new pipeline, and that
27 difference in transmission costs more than offsets the potential lower cost of

1 Bakken natural gas. For this reason, NSP expects to continue to use its
2 transportation rights on Viking to help keep down the overall cost of gas for
3 our customers.

4
5 Q. ARE THERE BENEFITS TO THE COMPANY'S NATURAL GAS CUSTOMERS THAT THE
6 COMPANY EXPECTS FROM THE NEW PIPELINE?

7 A. Yes. Natural gas transportation pipeline capacity is generally constrained in the
8 United States, and that is particularly true in our region. If growth in eastern
9 North Dakota continues over the long term, the addition of another
10 transportation pipeline serving the region would provide greater flexibility in
11 the future.

12
13 Q. IN ADDITION TO THE INTERSTATE PIPELINES, IS THERE OTHER
14 INFRASTRUCTURE THAT SUPPORTS OPERATIONS OF THE NSP GAS SYSTEM?

15 A. Yes. The Company also uses underground storage services available on several
16 interstate pipelines and storage service providers, as well as the Company's
17 Peaking Plants. The Peaking Plants provide capacity during peak periods, and
18 the Company uses them and contracted storage services to reduce the amount
19 of gas it purchases when daily spot market prices are high.

20
21 Q. PLEASE DESCRIBE THE STORAGE FACILITIES UTILIZED BY THE COMPANY.

22 A. As shown in Figure 1 above, there are upstream underground natural gas
23 storage facilities for which the Company contracts to provide flexible
24 withdrawal capability to respond to varying system demand. These storage
25 facilities are located in Michigan, Kansas, and Iowa. The Company purchases
26 and stores supply when pricing is optimal (primarily during the low-use summer
27 months), so it can rely on this lower-cost supply when customer demand ramps

1 up during cold weather. This underground storage provides flexibility, allowing
2 the Company to respond to customer demand fluctuations outside of
3 contracted supply purchases without having to solely rely on spot market
4 purchases where pricing can be more volatile. As Figure 1 also indicates, the
5 Viking pipeline is important to connect our service areas in North Dakota to
6 the upstream pipelines that provide access to the storage.

7
8 Q. PLEASE DESCRIBE THE COMPANY'S PEAKING PLANTS.

9 A. NSP owns and operates three above-ground peak shaving facilities located in
10 Minnesota: the Wescott Liquefied Natural Gas (LNG) plant and the Sibley and
11 Maplewood Propane Air plants. The Wescott plant was built in the 1970s and
12 the Sibley and Maplewood plants were built in the 1950s. These plants store
13 liquefied natural gas (Wescott) or liquid propane gas (Sibley and Maplewood)
14 that can be vaporized and ultimately injected into the system to help meet firm
15 customer requirements on the coldest winter days. The Peaking Plants are
16 specifically used on a limited basis to supply gas when weather approaches
17 Design Day conditions.³ They are a peak capacity resource and, therefore,
18 reduce the amount of upstream transportation capacity the Company holds, and
19 gas the Company might otherwise have to purchase during high price periods.

20
21 Q. HOW DO THE PEAKING PLANTS AND UPSTREAM STORAGE BENEFIT CUSTOMERS
22 IN NORTH DAKOTA?

23 A. The Company purchases the natural gas for storage and the propane and LNG
24 for the Peaking Plants during non-winter months, when prices are relatively low.
25 NSP discharges gas from storage throughout the winter, which reduces the

³ Design Day temperature is based on the 1-in-30-year low temperature in a given area. It is an industry standard probabilistic modeling approach. Based on historical weather temperature data, there is a 1-in-30 probability of experiencing a Design Day temperature in any given heating season.

1 amount of gas purchased at higher winter prices, and, as I discussed above,
2 operates the plants during limited periods approaching Design Day conditions,
3 when prices are high. Both storage and the Peaking Plants allow NSP to keep
4 the overall cost of natural gas lower than it would otherwise be while having
5 enough capacity to meet our customers' peak needs. They are both part of the
6 Company's overall portfolio of tools used to ensure there is sufficient winter
7 capacity and manage the cost of gas. Our North Dakota customers benefit
8 because the amounts they pay for the natural gas they use is lower than it would
9 otherwise be if the Company did not have its contracted storage resources and
10 gas Peaking Plants.

11
12 Q. GIVEN THE BENEFITS OF STORAGE, IS THE COMPANY ADDING ANY STORAGE
13 CAPACITY?

14 A. The Company has been actively exploring obtaining additional contracted
15 storage; however, existing storage services in our region are fully subscribed and
16 NSP has not yet been able to obtain more storage.

17
18 Q. IF THE COMPANY DID NOT HAVE THE THREE PEAKING PLANTS, WHAT WOULD
19 BE AN ALTERNATIVE SOURCE OF CAPACITY?

20 A. If NSP did not have the Wescott, Sibley, and Maplewood plants, the only other
21 viable option for providing an equivalent amount of physical capacity for peak
22 periods would be to construct and contract for additional firm transportation
23 and storage service. The Company does not have a current estimate for the cost
24 of an equivalent capacity resource;⁴ however, NSP is generally aware that such

⁴ In its 2022 rate case, the Company presented a \$60-70 million rough estimate for acquiring an additional 246,000 Dth of firm transportation capacity on Northern Natural Gas (Northern) pipeline that would require new facilities to be constructed. At this point, that estimate is outdated.

1 transportation and storage would be significantly more expensive for customers
2 than continuing to use the Peaking Plants. A recent transaction in which the
3 Company unsuccessfully bid for a smaller quantity of storage capacity provides
4 some indicative pricing. In that instance, ANR Pipeline Company proposed a
5 project to provide additional access to its underground storage facilities in
6 Michigan at the Ventura Hub via Northern Border. The proposal included up
7 to 75,000 Dth per day of storage withdrawal capability and firm transportation
8 rights. The proposed capacity is equal to approximately half (48 percent) of the
9 Company's Wescott LNG facility, or approximately 30 percent of the combined
10 deliverability of our Peaking Plants. At the then effective tariff rates, the
11 proposed service would have cost approximately \$14 million per year. This
12 figure does not include the additional transportation that would be required to
13 deliver such gas to the system to replace the Peaking Plants. The bidding process
14 resulted in 100 percent of the project capacity being awarded to another party.

15
16 Q. HOW ELSE DOES THE COMPANY CONTROL GAS COSTS AND ENSURE IT HAS
17 SUFFICIENT GAS TO MEET PEAK DEMAND?

18 A. One of the Company's key focuses in this area is to determine the appropriate
19 amount of gas to purchase using baseload contracts. If too little gas is purchased
20 using baseload contracts, the Company must make more spot market purchases
21 than is ideal. Conversely, the Company does not want to over purchase baseload
22 contract gas, as doing so can result in unutilized gas left on the pipeline, or gas
23 left in storage, which results in the Company paying financial penalties to
24 pipeline companies. Accordingly, NSP carefully forecasts its customers' needs
25 and seeks to determine the optimal base contract purchase amounts. NSP also
26 uses financial hedging to mitigate the potential impacts of peak pricing.

27

1 Q. IN SUMMARY, HOW DOES OPERATION OF THE BROADER NSP GAS SYSTEM
2 BENEFIT THE COMPANY'S NORTH DAKOTA CUSTOMERS?

3 A. Our North Dakota customers benefit from the size and geographic diversity of
4 the NSP system. We serve approximately 564,000 customers in Minnesota and
5 North Dakota (approximately 66,000 in North Dakota). Our customers benefit
6 from efficiencies of scale and because the geographic area where the customers
7 are located is sufficiently large so as not to be fully coincident. The Company
8 also has access to a diversity of market centers, supply points, storage facilities,
9 and the Peaking Plants. This combination of resources gives us multiple ways
10 to manage costs and ensure reliability, which would not be the case if they were
11 served by separate, stand-alone North Dakota and Minnesota gas purchasing
12 and transportation systems.

13

14 Q. PLEASE DISCUSS THE RELIABILITY BENEFITS THE SYSTEM PROVIDES.

15 A. Upstream interstate transportation, contracted underground storage facilities,
16 and Company-owned, above-ground Peaking Plants across the NSP system
17 provide value with respect to system reliability and safety for our North Dakota
18 customers. The Company's diversity of assets helps protect North Dakota
19 customers against harmful gas outages (loss of heat) during periods of below
20 zero temperatures in the event of natural disasters or even emergencies such as
21 the January 25, 2014, TransCanada natural gas pipeline explosion and resulting
22 fire in western Canada.

23

24

III. CAPITAL ADDITIONS

25

26 Q. WHAT TYPES OF CAPITAL INVESTMENTS DOES THE COMPANY MAKE IN ITS GAS
27 INFRASTRUCTURE?

1 A. Our capital investments include both routine investments and larger, discrete
2 projects, and generally fall into five categories:

3
4 **New Business:** The Company must serve new customers who request gas
5 service within its service territory under its tariff rules. When there is no existing
6 connection to the customer’s property, the Company must establish or update
7 customer records and make capital investments to install new service lines,
8 meters, and other infrastructure needed to extend service to the residential,
9 commercial, or industrial property.

10
11 **Relocations:** On occasion, the Company must move existing infrastructure to
12 meet federal, state, and/or local requirements. This includes relocating facilities
13 required by a governing authority, or that are in direct conflict with street
14 expansions within public rights-of-way. The Company must invest capital to
15 achieve these relocations and re-establish service via infrastructure at a different
16 location.

17
18 **Peaking Plants:** As I discussed above, the Company has three gas Peaking
19 Plants – one LNG plant (Wescott) and two propane plants (Sibley and
20 Maplewood). The Company has made capital investments at all three plants,
21 which I discuss below, including, in 2025, material investments in the fire
22 protection systems at Sibley and Maplewood.

23
24 **Reliability:** To maintain a reliable system, the Company must be sure it has the
25 capacity to serve all its firm customers on a peak design hour. The peak design
26 hour reflects temperature extremes of -37°F for Fargo and -40°F for Grand
27 Forks. Reliability investments include programs to add system capacity, renewal

1 of obsolete assets, and the Meter Module Replacement Program, which is
2 necessary to ensure we can continue to accurately meter gas. This category
3 includes DIMP projects, the annual and programmatic replacement of aging
4 mains and service pipe, and the replacement of problematic pipe types; those
5 investments promote public safety and are carried out, consistent with the
6 regulatory requirements I discussed above.

7
8 **Safety:** To maintain the safety of the natural gas system, the Company requires
9 certain expenses outside of other programmatic and asset replacement activities
10 such as the DIMP investments in the Reliability category that I discussed above.
11 These activities are tied directly to investing in a safe system such as capital
12 investments associated with providing locates for Company assets, the addition
13 of tools to maintain the system and detect gas, and the relocation of meters
14 located inside buildings to outside locations.

15
16 **A. Overview of 2024 to 2026 Gas Infrastructure Investments**

17 Q. PLEASE PROVIDE AN OVERVIEW OF THE GAS OPERATIONS AND PEAKING
18 PLANT CAPITAL ADDITIONS FROM 2024 TO 2026.

19 A. Table 1 below reflects the Gas Operations capital additions (i.e., infrastructure
20 placed in service) from 2024 to 2025 and expected 2026 capital additions. As
21 can be seen, the most significant categories of investment are in Peaking Plants,
22 Reliability, and New Business. The Peaking Plant investments materially
23 increased in 2025, as compared to 2024. The Company made significant fire
24 detection and suppression investments in 2025 and carried out a control center
25 project at the Wescott plant, and I discuss those projects further in the section
26 below. With the completion of those larger projects, NSP has only limited
27 Peaking Plant investments planned for 2026. New Business fluctuated some,

1 with a reduction in 2025 and a forecasted partial rebound in 2026. Actual New
 2 Business investment levels vary based on the number and nature of our new
 3 customers, and the Company’s level of forecasted New Business investments is
 4 based on a combination of historic trends and information on customer
 5 applications.

6
 7 Q. WHAT ABOUT RELIABILITY INVESTMENTS?

8 A. NSP’s level of reliability investments was stable between 2024 and 2025 and will
 9 decrease in 2026. The Company must make significant investments in this
 10 category each year to be able to safely and reliably serve our customers, which
 11 is why this is such a significant category of investments. The reduction in 2026
 12 investments, as compared to earlier years, is the result of fewer large, discrete
 13 capacity projects in 2026 and the near completion of the Company’s meter
 14 module replacement project.

15
 16 **Table 1**
 17 **2024-2026 Gas Capital Additions (Millions)**
 18 **State of North Dakota**

| ND Gas Additions | 2024 Actuals | Adjusted 2025 Forecast | Adjusted 2026 Test Year |
|------------------|----------------------|------------------------|-------------------------|
| New Business | \$14.1 | \$7.4 | \$10.9 |
| Plants | \$3.6 | \$15.4 | \$2.3 |
| Reliability | \$18.7 | \$18.4 | \$16.3 |
| Relocations | (\$0.5) ⁵ | \$2.6 | \$2.3 |
| Safety | \$0.8 | \$0.5 | \$0.8 |
| Total | \$36.7 | \$44.3 | \$32.7 |

⁵ The net 2024 Relocations figure is relatively small because it includes a credit received for relocation work carried out as a result of the Fargo-Moorhead Flood Diversion Project.

1 Q. DO THE 2026 CAPITAL ADDITIONS IN TABLE 1 REFLECT THE FORECAST USED TO
2 PREPARE THE REVENUE REQUIREMENT FOR THIS RATE CASE?

3 A. No. The Company used its July 2025 forecast to determine the revenue
4 requirement for this rate case. A version of Table 1 that is consistent with that
5 July 2025 forecast and the revenue requirement is attached to my testimony as
6 Exhibit____(DCJ-1), Schedule 2. However, as the Company prepared testimony
7 for this filing, it determined that it is now expecting less Reliability investment
8 in 2026 than it had earlier forecasted. As Company witness Henckler explains,
9 the Company is planning to update its revenue requirement accordingly in the
10 next round of testimony. Table 1 above reflects the Company's current forecast
11 for 2026 capital additions; however, the updated figures provided in future
12 testimony may differ.

13

14 Q. WHY IS THE COMPANY NOW EXPECTING TO MAKE FEWER RELIABILITY
15 INVESTMENTS IN 2026 THAN IT EARLIER FORECASTED?

16 A. There are a variety of causes for the change in expected 2026 Reliability capital
17 additions. As the Company refined its engineering and estimating work on some
18 projects, it was able to find savings and reduce the budgets for those projects,
19 including by reducing earlier budgeted contingency amounts. Essentially, our
20 estimates decreased as they became more precise. In other instances, the
21 Company re-evaluated project need and timing in light of the overall capital
22 budget and the need to balance investment in this area against others. As a
23 result, NSP decided that it could appropriately postpone some projects to later
24 years.

25

26 Q. ARE THERE ANY OTHER FACTORS IMPACTING THE AMOUNT OF EXPECTED 2026
27 RELIABILITY INVESTMENT?

1 A. Yes. One significant project, the Fargo High Pressure OPP & CV project, which
 2 I discuss further below, was completed in late 2025, which was ahead of
 3 schedule. This change shifted those capital additions from 2026 to 2025.
 4

5 Q. DO THE AMOUNTS IN TABLE 1 INCLUDE BOTH LARGE AND SMALL INVESTMENTS?

6 A. Yes. Table 1 reflects both larger, discrete projects and what the Company refers
 7 to as “routines.” Routine investments are smaller projects grouped together by
 8 type. To take the most significant example, every year the Company installs
 9 many gas services to connect to new North Dakota customers. These
 10 investments get grouped together in a jurisdictional “Gas New Services”
 11 routine. Routines projects are typically completed the same year they are started.
 12 Table 2 below shows the 2024 to 2026 investment levels for the largest routines.
 13 The New Business routines are the most significant, and account for much of
 14 the investment in that category. Reliability routines include projects which
 15 promote public safety, such as renewals due to leaks or third-party damages, or
 16 main reinforcement projects to provide additional capacity to the system.
 17

18 **Table 2**
 19 **2024-2026 Routine Capital Investments (Millions)**
 20 **State of North Dakota**

| Capital Category | Routine Description | 2024 Actuals | 2025 Forecast | 2026 Test Year |
|------------------|--------------------------------------|--------------|---------------|----------------|
| New Business | ND - Gas New Services Routine | \$4.4 | \$3.3 | \$4.1 |
| New Business | ND - Gas New Mains Routine | \$3.2 | \$2.0 | \$4.1 |
| New Business | ND - Gas Meter Routine | \$0.8 | \$0.6 | \$2.0 |
| Reliability | ND - Gas Main Renewal Routine | \$1.1 | \$1.8 | \$1.8 |
| Reliability | ND - Gas Main Reinforcements Routine | \$0.3 | \$0.7 | \$0.5 |
| Relocations | ND - Gas Main Relocations Routine | \$3.4 | \$1.0 | \$2.3 |
| Reliability | ND - Gas Service Renewal Routine | \$1.1 | \$1.2 | \$0.9 |

1 Q. WHAT WERE THE PRIMARY GAS INFRASTRUCTURE CAPITAL ADDITIONS IN 2024
2 AND 2025?

3 A. As can be seen in Table 1 above, in 2024 and 2025 the Company made its most
4 significant capital additions in the Peaking Plant, New Business, and Reliability
5 categories. Safety investments are important and must be made every year to
6 protect the public and comply with legal and regulatory requirements but were
7 relatively limited when compared to other categories of work. Table 3 below
8 lists the most significant discrete 2025 capital additions for Gas Operations and
9 the Peaking Plants.

10

11

12 **Table 3**
13 **2025 Gas Operations and Peaking Plants Major Capital Projects (Millions)**
State of North Dakota

| Capital Category | Project Name | 2025 Forecast |
|------------------|--|---------------|
| Plants | Wescott Control Room | \$3.2 |
| Plants | Sibley Fire Detection and Suppression | \$5.3 |
| Plants | Maplewood Fire Detection and Suppression | \$5.4 |
| Reliability | Fargo High Pressure OPP & CV | \$8.0 |

14

15 Q. PLEASE DISCUSS THE CAPITAL INVESTMENTS FORECASTED FOR THE COMPANY'S
16 2026 TEST YEAR AND HOW THOSE DIFFER FROM 2025.

17 A. The major capital investments forecasted for 2026 are New Business projects,
18 much of which are encompassed in the New Business routines shown in Table
19 2, and Reliability projects to add capacity and help ensure reliable service in the
20 Fargo and Grand Forks regions. Table 4 below lists the major, discrete capital
21 projects in the Company's forecast for 2026.

22

1 **Table 4**
 2 **2026 Gas Operations Major Capital Projects (\$ millions)**
 3 **State of North Dakota**

| Capital Category | Project Name | 2026 Test Year |
|------------------|---------------------------|----------------|
| Reliability | HBFG System Reinforcement | \$2.2 |
| Reliability | R-4715 HP Pipeline | \$6.9 |

4

5 Q. WILL YOU BE PROVIDING MORE DETAILED DESCRIPTIONS OF THE COMPANY'S
 6 CAPITAL ADDITIONS?

7 A. Yes. While in this section I discuss the general trends in capital additions, in the
 8 following section I provide more detailed information, including the most
 9 significant discrete projects and certain significant routines.

10

11 Q. DO YOU HAVE ANY OTHER COMMENTS ON THE CAPITAL INVESTMENTS THE
 12 COMPANY HAS MADE?

13 A. Yes. Below, I discuss the investments the Company has made and the factors
 14 driving those investments, including capacity needs and increased numbers of
 15 customers. However, NSP has also had to increase the amounts it invests
 16 because of increased costs of investments, including increased for external
 17 labor, materials, and equipment. For example, the costs of 2-inch polyethylene
 18 pipe, a common material used in Gas Operations projects, has been increasing
 19 by approximately four percent per year in recent years. The prices of other
 20 materials have been increasing at similar rates, and that is in addition to the
 21 increased external labor and equipment costs.

22

23 **B. Gas Infrastructure Investments by Category**

24 *1. New Business*

25 Q. PLEASE SUMMARIZE THE COMPANY'S NEW BUSINESS PROJECT INVESTMENTS.

1 A. New customer business projects include the costs of providing and installing
2 mains, service lines, meters, and other infrastructure necessary to connect a new
3 customer to the Company's natural gas system. Budgeted capital additions
4 include routine work, consisting of new customer additions based on forecasted
5 customer growth, and planned larger, discrete projects that are in excess of \$0.3
6 million. Routine spending on new business generally involves smaller customer
7 connection work and typically the investment is justified by the revenue
8 generated from the new business. From time to time, however, the Company
9 must make larger investments in the system because of new demand in its
10 service territory or a larger commercial customer.

11
12 Q. PLEASE DESCRIBE THE NEW BUSINESS PROJECTS CONTRIBUTING TO THE NEED
13 FOR THIS RATE CASE.

14 A. As Company witness Goodenough explains in his testimony, NSP has had an
15 approximately 2 percent average annual change in the number of customers
16 from 2019 to 2024 and is forecasted to have a 1.4 percent average annual
17 increase in the 2024 to 2026 time period. This growth is driven by the
18 Commercial and Industrial and Residential customer classes and is slightly
19 offset by decreases in the number of Interruptible customers.

20
21 As can be seen from Table 1 and 2 above, most of the New Business investment
22 is routine investments in new meters, new mains, and new services. These are
23 the investments that are needed to serve the numbers of new customers.

24
25 In the Fargo area, the Company carried out the Sauvageau Main project. This
26 involved extending a main to serve an existing customer at a new location. The
27 customer was relocated as a result of the Fargo-Moorhead Flood Diversion

1 Project; the Flood Diversion Authority requested the work and is partially
2 reimbursing the Company for the cost of the project. The Sauvageau project
3 cost approximately \$1.96 million, with the authority reimbursing the Company
4 for approximately \$0.7 million. The reimbursement costs for this project were
5 identified as a least cost option to serve this specific customer on the opposite
6 side of the diversion channel. The amounts above that least cost option, the
7 portion that was not reimbursed, represent the upsizing of the new main for
8 future needs. The Company took advantage of the opportunity to construct a
9 main under the channel and have some of the costs reimbursed by the
10 Authority. It will be significantly more expensive in the long run if the Company
11 has to add that capacity later in an entirely separate project for which there
12 would be no reimbursement.

13
14 *2. Peaking Plants*

15 Q. WHAT SIGNIFICANT INVESTMENTS HAS THE COMPANY MADE IN THE PEAKING
16 PLANTS?

17 A. Routine investments in the Peaking Plants have been relatively minimal;
18 however, the Company has made significant discrete investments. In particular,
19 as I referenced earlier, the Company has now upgraded the fire suppression
20 systems at all three plants. The Wescott and Maplewood projects were discussed
21 in the prior rate case, and the Sibley and Maplewood projects are relevant for
22 this rate case.

23
24 Q. PLEASE EXPLAIN WHY THESE PROJECTS WERE NEEDED.

25 A. The fire suppression upgrades were made to bring the Peaking Plants into
26 compliance with the United States Department of Transportation Pipeline
27 Safety Regulations, including National Fire Protection Association (NFPA)

1 codes and standards incorporated by reference (IBR), which govern the fire
 2 detection and suppression systems at the Peaking Plants. The plants are decades
 3 old. The new fire suppression systems were installed to ensure reliable and safe
 4 operation into the future. The work was based on an evaluation carried out in
 5 2021 by a nationally recognized expert in system engineering for fire
 6 suppression and detection systems and code compliance and also involved
 7 consultation with local fire chiefs. Table 5 below summarizes the fire
 8 suppression upgrades at the three plants.

9
 10 **Table 5**
 11 **Gas Plants – Fire Detection/Suppression Capital Additions**
 12 **State of North Dakota Gas Jurisdiction (\$ millions)**

| Capital Additions – ND Jurisdiction | 2024 Actuals | 2025 Forecast | 2026 Test Year |
|-------------------------------------|--------------|---------------|----------------|
| Wescott | \$2.3 | (\$0.2) | \$0.0 |
| Maplewood | \$0.0 | \$5.4 | \$0.0 |
| Sibley | \$0.0 | \$5.3 | \$0.0 |

13
 14 Q PLEASE PROVIDE AN UPDATE ON THE STATUS OF THE WORK.

15 A. The Wescott projects were completed and in-serviced in 2024 and work at
 16 Maplewood was completed in 2025 and in-serviced late in the year. The work
 17 at the Sibley plant was substantially complete by mid-January. and the plant is
 18 expected to be partially in service by the end of January and fully in service by
 19 mid-February.

20
 21 Q DID THE COMPANY MAKE ANY OTHER SIGNIFICANT PLANT CAPITAL ADDITIONS
 22 IN 2024 AND 2025?

23 A. Yes. The Company installed a new control room at the Wescott plant that was
 24 brought into service in 2025. This project addresses a safety issue that was

1 identified in 2021 due to the proximity of the existing control room to
2 equipment that could create a safety risk to operators in the event of a
3 catastrophic failure. In addition to the new control room, the project also
4 included adding a new training room for plant operators, office space for
5 Peaking Plant personnel and leadership, and shop space for the maintenance
6 department. This project was completed in 2025 and represents capital
7 additions of \$3.2 million on a jurisdictional basis.

8
9 Q WHAT SIGNIFICANT DISCRETE PROJECTS DOES THE COMPANY PLAN TO
10 COMPLETE IN 2026?

11 A. The planned, discrete 2026 Peaking Plant projects are relatively small in size
12 compared to the investments made between 2022 and 2025. They include
13 replacing the Water Ethylene Glycol (WEG) Skid at the Wescott Plant,
14 overhauling Gas Turbine 101 at Wescott, and replacing the roof on the
15 administrative building at Wescott. The WEG skid was installed in 1974 and
16 after more than 50 years it is near the end of its useful life. It provides heating
17 and cooling to several plant components and oil cooling to three compressor
18 units at the plant. NSP plans to keep the current skid in operation while building
19 a new one in a different location at the plant. The Company plans to complete
20 the work before the 2026-2027 heating season. On a jurisdictional basis, it is a
21 \$0.5 million capital addition. NSP is having Gas Turbine 101 overhauled in
22 accordance with the manufacturer's recommendation to overhaul every eight
23 years or 25,000 hours of operation. This project is a \$0.4 million capital addition
24 on a North Dakota jurisdictional basis. Finally, the administration building was
25 constructed in 1972 and still has its original roof. The Company has had repairs
26 carried out on multiple occasions to address leaks. However, soft locations were
27 identified in the roof during recent inspections, and the Company determined

1 that it is now appropriate to carry out a complete roof replacement. On a North
2 Dakota jurisdictional basis, the roof replacement is a \$0.2 million capital
3 addition.

4
5 Q HOW DO THESE INVESTMENTS IN THE PEAKING PLANTS BENEFIT NORTH
6 DAKOTA CUSTOMERS?

7 A. As I discussed above, the Peaking Plants are important capacity resources that
8 can be used during the very coldest days. Those operations save North Dakota
9 customers money by reducing the overall cost of the gas they purchase. After
10 decades, the Company needed to make material investments in order to keep
11 the plants safely ready for operation. Without them, the Company would need
12 to purchase more gas at peak spot market prices or spend substantial amounts
13 for an equivalent amount of storage, both of which would lead to increased
14 costs for our customers in both North Dakota and Minnesota.

15
16 *3. Reliability*

17 Q. WHAT RELIABILITY WORK IS THE COMPANY UNDERTAKING?

18 A. The reliability category includes the Meter Module Replacement Program and
19 several discrete projects in the Fargo and Grand Forks areas, along with
20 significant routine investments, including DIMP projects.

21
22 Q. WHAT ARE THE COMPANY'S DIMP INVESTMENTS?

23 A. DIMP projects address our aging gas infrastructure's structural integrity by
24 renewing infrastructure to help ensure a safer gas system that will reduce the
25 likelihood of incidents within the community. The Company's DIMP work is
26 focused on removing gas infrastructure materials identified as having a higher

1 risk of failure (e.g., bare steel or vintage plastic) and replacing them with modern
2 materials.

3
4 Q. WHAT IS THE METER MODULE REPLACEMENT PROGRAM?

5 A. In 2023, the Company began the Meter Module Replacement Program, through
6 which it is replacing nearly all of the meter modules in its service territory. The
7 existing modules are equipped with automated meter reading (AMR)
8 technology. NSP earlier expected to complete the overall project by the end of
9 2025, but some installations will continue into 2026. The Company is replacing
10 the existing equipment with modules that enable drive-by meter reading. In
11 some cases, the module and the entire existing vintage meter will need to be
12 replaced. The new modules are owned by the Company. Therefore, once they
13 are installed, the Company will perform drive-by meter reading and will phase
14 out meter reading currently performed by its third-party AMR provider. NSP
15 had to carry out this project because its existing AMR provider is not willing to
16 continue its services. The Company made \$6.3 million in investments in the
17 program in 2024, \$2.1 million in 2025, and expects to have minimal carryover
18 in 2026.

19
20 Q. WHAT IS THE STATUS OF THE METER MODULE REPLACEMENT PROJECT?

21 A. The Company is very close to completion. The bulk of the modules were
22 replaced by year-end 2025, and NSP estimates that only approximately 1,400
23 modules (out of 63,160) will remain to be replaced in 2026. For complete meter
24 replacements, the Company estimates that 80 out of 3,672 will remain to be
25 replaced in 2026. Overall, the Company has completed approximately 98
26 percent of the replacements.

27

1 Q. PLEASE DESCRIBE THE DISCRETE RELIABILITY CAPITAL INVESTMENTS.

2 A. The Company has made and is making some significant Reliability investments
3 in the Fargo and Grand Forks areas. They are the R-4715 HP Pipeline project
4 in Grand Forks, the HBFG System Reinforcement project in Fargo, and the
5 Fargo High-Pressure OPP & CV project. These projects are adding capacity to
6 the distribution systems to help ensure the Company is able to safely and reliably
7 serve customers in those areas under Design Day conditions.

8

9 Q. WHAT IS THE R-4715 HP PIPELINE PROJECT?

10 A. This project involves installing approximately 2,100 feet of 12-inch steel high
11 pressure gas pipeline to replace existing steel 6-inch pipeline running west from
12 the Grand Forks TBS. With the larger pipeline, the Company will have more
13 capacity on that section of the system, which reduces a risk the Company had
14 identified of not having sufficient capacity to fully serve approximately 2,800
15 existing downstream customers during Design Day conditions. The new
16 pipeline also mitigates against the risk of having to inject compressed natural
17 gas or take other actions to maintain sufficient pressure. The project is a \$6.90
18 million capital addition.

19

20 Q. PLEASE DISCUSS THE HBFG SYSTEM REINFORCEMENT PROJECT.

21 A. NSP is installing approximately 16,892 feet of 6-inch PE pipeline along 100th
22 Avenue South from the west side of I-29 to near the intersection of 100th
23 Avenue South and University Drive South. It is also installing approximately
24 2,500 feet of 2-inch main along 25th Street South from the intersection of 100th
25 Avenue South and 25th Street to an existing main on 25th Street South. The
26 distribution system in that area is projected to have insufficient capacity under
27 design day conditions by the winter of 2026-2027. There has been significant

1 growth in the area, and more is expected, including a 3.5 square mile
2 undeveloped parcel that will be served by the new 6-inch line. The project would
3 also help maintain pressure and allow for the possibility of another connection
4 in the Horris, North Dakota area.⁶ This project is a \$2.20 million capital
5 addition.

6
7 Q. PLEASE EXPLAIN THE FARGO HIGH PRESSURE OPP & CV PROJECT.

8 A. In the Company's prior gas rate case, Company witness Alicia E. Berger
9 introduced this project, which involves installing over-pressure protection
10 (OPP) upstream of an existing regulator station (R4314). The project also
11 includes adding a control valve (CV) to improve entitlement balancing and
12 reduce the need for bypass callouts. In general terms, the project increases the
13 capacity of the line, which allows the Company to continue to provide safe and
14 reliable service to customers in the area. This overall project, which was
15 completed in the fourth quarter of 2025, is \$8.2 million in capital additions.

16
17 *4. Safety*

18 Q. PLEASE DISCUSS THE SAFETY PROJECTS FOR 2024 TO 2026.

19 A. As I noted above, the Safety investments are not particularly significant in
20 scope. However, the Company continues to make investments each year, as
21 required, including investing in the Inside Meter Move Out program.

22
23 Q. WHAT IS THE INSIDE METER MOVE OUT PROGRAM?

24 A. Through the Inside Meter Move Out program, the Company is moving most
25 of the gas meters still located inside of customer premises to outside locations
26 and replace the existing facilities with new meters, connections, and regulators.

⁶ HBFG refers to the gas distribution system in the Horris area.

1 As we described in the prior two gas rate cases, this is an important safety
2 improvement as it ensures accessibility to meters as required by federal code
3 and allows the Company to more efficiently perform routine required
4 inspection and maintenance of these meters without having to coordinate access
5 or inconvenience the customer. Additionally, moving the meters to outside
6 locations reduces the risk of gas accumulating in a confined space, where there
7 are more sources of ignition.

8
9 We have determined that there are over 470 meters located inside customers'
10 premises in the state of North Dakota that can be moved outside. The Company
11 completed \$0.4 million in 2024 capital addition, forecasts \$0.1 million in 2025
12 capital additions, and forecasts \$0.3 million in 2026 capital additions. The
13 Company anticipates the project will be completed by 2028. Unfortunately, the
14 Inside Meter Move Out Program was delayed as a result of supply chain
15 challenges.

16
17 Q. WHAT OTHER INVESTMENTS HAS THE COMPANY MADE IN THE SAFETY OF ITS
18 GAS INFRASTRUCTURE?

19 A. As I discussed above, the Company has made significant investments to update
20 fire safety systems at its Peaking Plants. Those projects are in the "Plants"
21 category but are aimed at improving safety. Similarly, our DIMP investments
22 are in the "Reliability" category. More generally, the Company focuses on safety
23 in all our gas system investments, including through careful engineering and
24 prudent and industry standard practices for management of our work and that
25 of our contractors.

1 5. *Relocation*

2 Q. PLEASE SUMMARIZE MANDATORY RELOCATION INVESTMENTS.

3 A. Mandatory relocation investments are projects the Company is required to carry
4 out to move existing infrastructure to meet federal, state, or local requirements.
5 This includes relocating facilities for safety-related work required by a governing
6 authority, or that are in direct conflict with street expansions within public
7 rights-of-way. The individual relocation projects in this case are not particularly
8 significant and are mainly included in routines; however, I will provide an
9 example to illustrate this type of investment.

10
11 Q. WHAT IS YOUR EXAMPLE?

12 A. The City of Fargo is carrying out a public works project to fully reconstruct a
13 portion of Hickory Street. NSP has gas lines located under the existing roadbed
14 that conflict with that work. The Company will remove the existing line and
15 install approximately 4,700 feet of 2-inch PE pipe in a location outside of the
16 roadbed, but within the public right-of-way.

17
18 **IV. GAS O&M EXPENDITURES**

19
20 Q. WHAT DO YOU ADDRESS IN THIS SECTION OF YOUR TESTIMONY?

21 A. I provide an overview of the types of O&M expenses for Gas Operations and
22 the Company's Peaking Plants. I also present 2022 to 2026 O&M expenditures
23 for Gas Operations including key drivers and trends.

24
25 **A. Types of Gas Operations O&M Expenses**

26 Q. FOR WHAT TYPES OF ACTIVITIES DOES GAS OPERATIONS INCUR O&M
27 EXPENSES?

1 A. Gas Operations incurs O&M expenses across various areas that are related to
2 numerous activities to support the gas system. Similarly, Energy Supply incurs
3 expenses related to operating and supporting the three plants. Federal and State
4 codes also require robust inspection and maintenance programs for gas utilities,
5 the majority of which result in O&M expenditures. NSP also performs
6 emergency response activities and carries out requested underground locates, as
7 required by North Dakota law. The Company's damage prevention program
8 makes substantial use of outside vendors to carry out those locates. Further,
9 integrity management programs at times add O&M costs to mitigate system
10 risks. Examples include ongoing health and condition assessments for gas
11 pipelines, as well as accelerated leak surveys for known problematic distribution
12 pipe types under renewal programs. Other types of O&M expenses include
13 internal and contract labor, materials, transportation, and other expenses such
14 as facilities costs and licensing fees. These O&M costs are related to the day-to-
15 day operations of our gas system as we continue to provide safe, reliable service
16 to our customers.

17

18 Q. HOW ARE O&M EXPENDITURES ALLOCATED?

19 A. Similar to capital additions, O&M expenses are direct assigned to the North
20 Dakota jurisdiction to the extent they are solely serving that jurisdiction. For
21 example, damage prevention costs are direct assigned to the area where the
22 work is completed. Accordingly, costs to locate underground gas infrastructure
23 in North Dakota are assigned fully to the North Dakota jurisdiction. That said,
24 certain Gas Operations O&M expenses are incurred on a Company-wide basis
25 – for example, management costs, environmental services, planning, and certain
26 engineering functions. Similarly, costs for the Peaking Plants are incurred on a
27 Company-wide basis. These Company-wide O&M expenses are allocated to the

1 North Dakota jurisdiction using the allocation methodology discussed by
2 Company witness Henckler.

3
4 **B. Gas O&M 2024-2026**

5 Q. WHAT HAS BEEN THE GAS O&M SPENDING SINCE THE COMPANY'S LAST
6 NORTH DAKOTA RATE CASE?

7 A. Table 6 below shows the North Dakota Distribution O&M expenses, including
8 actual expenditures through 2024, and the forecasted O&M expenses for 2025
9 and the 2026 test year.

10
11 **Table 6**
12 **Gas Operations Distribution O&M 2022-2026 (\$ millions)**
13 **State of North Dakota**

| 2022 Actuals | 2023 Actuals | 2024 Actuals | 2025 Forecast | 2026 Test Year |
|-----------------|-----------------|-----------------|------------------|-------------------|
| 6.0 | 6.0 | 6.6 | 5.9 | 7.5 |

14
15 Q. WHAT DOES TABLE 6 INDICATE REGARDING GAS OPERATIONS AND PEAKING
16 PLANT O&M EXPENSES OVER TIME?

17 A. Table 6 illustrates that the Company was able to keep Gas Operations O&M
18 expense relatively stable between 2022 and 2025 despite an inflationary
19 environment. This was due to the Company's ongoing efforts to increase
20 efficiency and manage O&M expenditures for customers' benefit. However,
21 NSP is forecasting increased O&M expenses in 2026.

22
23 Q. WHY IS THE COMPANY FORECASTING INCREASED 2026 O&M COSTS?

24 A. The increase in forecast for the 2026 O&M costs is related to a forecasted
25 increase in cost for the damage prevention vendor in the region. The forecasted

1 number includes an anticipated increase for the fall of 2025 awarding process.⁷
2 There are also increases over historical levels for the Peaking Plants resulting
3 from the insourcing of technical expertise. Inflationary pressure has also played
4 a role, particularly with respect to transportation costs. Finally, the difference
5 between 2025 and the 2026 forecast is partially the result of 2025 costs being
6 somewhat below the Company's normal spending in recent years.

7
8 **V. CONCLUSION**
9

10 Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?

11 A. Yes.

⁷ The Company was more successful in negotiating these contracts than was expected when the July 2025 forecast was prepared and, like the changes in capital additions, expects to reflect that in an adjusted revenue requirement in its next round of testimony.

Statement of Qualifications

Daniel Connoy

I received a Bachelor of Science degree, with a major in Civil Engineering from North Dakota State University in 2007. In 2012, I received my Professional Engineering license and am currently an active PE in Minnesota.

My current position with Xcel Energy Services Inc. is Director, Gas Operations Engineering. In that role, I am responsible for oversight of the company's engineering support to the natural gas operating groups. This support includes engineering design, procedure creation, design standardization, escalated operations support, and gas metering support. These responsibilities are the same for all Xcel Energy's gas utility operating companies (Northern States Power Company – Minnesota, Northern States Power Company – Wisconsin, Public Service Company of Colorado, and Southwestern Public Service Company.)

Prior to my role, I worked in natural gas Operations, Design, Engineering and Compliance departments within Xcel Energy.

| ND Gas Additions | 2024 Actuals | Initial 2025 Forecast | Initial 2026 Test Year |
|-------------------------|---------------------|------------------------------|-------------------------------|
| New Business | \$14.12 | \$7.37 | \$10.92 |
| Plants | \$3.64 | \$15.39 | \$2.32 |
| Reliability | \$18.68 | \$10.36 | \$38.03 |
| Relocations | -\$0.53 | \$2.64 | \$2.32 |
| Safety | \$0.78 | \$0.54 | \$0.84 |
| Total | \$36.69 | \$36.30 | \$54.43 |

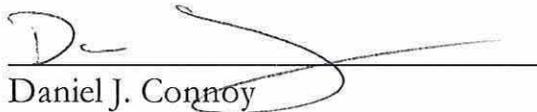
STATE OF NORTH DAKOTA
BEFORE THE
PUBLIC SERVICE COMMISSION

NORTHERN STATES POWER COMPANY)
2026 NATURAL GAS RATE INCREASE)
APPLICATION)
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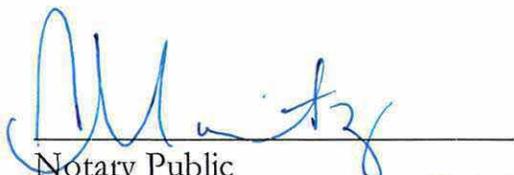
Case No. PU-26-____

**AFFIDAVIT OF
Daniel J. Conroy**

I, the undersigned, being first duly sworn, depose and say that the foregoing is the Direct Testimony of the undersigned, and that such Direct Testimony and the exhibits or schedules sponsored by me to the best of my knowledge, information and belief, are true, correct, accurate and complete, and I hereby adopt said testimony as if given by me in formal hearing, under oath.


Daniel J. Conroy

Subscribed and sworn to before me, this 29th day of January, 2026.


Notary Public
My Commission Expires: 5.14.26

