



NG-112.4

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August 1, 2024

Mr. Thomas Golden
Executive Director
Nebraska Public Service Commission
1200 N Street, Suite 300
Lincoln, NE 68508

RE: Black Hills Nebraska Gas, LLC d/b/a Black Hills Energy
Commission Application No. NG-112.4
In the Matter of the Application of Black Hills Nebraska Gas, LLC
d/b/a Black Hills Energy seeking approval of a 2025 System Safety & Integrity Rider

Dear Mr. Golden:

By this Application, Black Hills Nebraska Gas, LLC d/b/a Black Hills Energy ("BH Nebraska Gas") is proposing to adjust the System Safety and Integrity Rider ("SSIR") Charge to be effective on January 1, 2025 for Rate Areas One, Two, Three, and Five. The adjusted 2025 SSIR Charges will apply to rate schedules applicable to all BH Nebraska Gas Jurisdictional Residential, Commercial, and Energy Options customers.

The rates submitted with this Application reflect the overall SSIR Charges applicable to the referenced rate schedules to cover the incremental annual revenue requirement impact of costs incurred by the Company with respect to SSIR Projects as defined on Tariff Sheets Nos. 127 through 131. These eligible projects were not included in the rate base calculation in the rate review for Nebraska assets in Commission Application No. NG-109. Each of the SSIR Projects is currently scheduled to be in service and used and useful by December 31, 2025. If approved by the Commission, the monthly System Safety and Integrity Charges effective on January 1, 2025 shall be as follows:

Table with 4 columns: Category, Residential, Commercial, Commercial - Energy Options. Row 1: Proposed SSIR Charge - \$/month, \$5.28, \$16.56, \$16.56

The proposed 2025 SSIR has been calculated in accordance with Tariff Sheet Nos. 127 through 131, as more fully discussed herein.

This filing includes the following exhibits:

- Exhibit 1 – Narrative describing 2025 projects included in SSIR
- Exhibit 2 – Calculation of the SSIR
- Exhibit 3 – 2023 SSIR Project Details
- Exhibit 4 – Redlined and Clean Tariff Sheets

Calculation of SSIR Charge

The calculation of the SSIR Charge is shown on the tables that comprise Exhibit 2 of this SSIR Application. A summary of the information shown on each 2025 SSIR Application schedule is as follows:

Table A – this table shows the derivation of the 2025 SSIR for the Residential and Commercial¹ customer classes. The rates are determined by dividing each customer class’s portion of (1) the jurisdictional revenue requirement attributable to 2025 capital projects and (2) the jurisdictional portion of 2025 Data Infrastructure Improvement Program (“DIIP”) costs by the estimated number of bills.

Table B – this table shows the True Up amounts. The 2023 True Up amounts include true ups based on customer bills, capital revenue requirement costs and DIIP costs.

Table C – this table shows the calculation of the statewide revenue requirement resulting from the 2025 capital SSIR Projects. The statewide revenue requirement for each of the respective years is as follows:

	Capital Projects Jurisdictional Revenue Requirement	DIIP Jurisdictional Revenue Requirement ²	Total Jurisdictional Revenue Requirement
2021 Projects	\$2,732,898	\$745,401	\$3,478,299
2022 Projects	\$3,227,501	\$3,431,238	\$6,658,739
2023 Projects	\$6,656,333	\$2,807,557	\$9,463,890
2024 Projects	\$2,197,299	\$1,716,586	\$3,913,885
2025 Projects	\$3,674,535	\$2,023,707	\$5,698,242
Total	\$18,488,566	\$10,724,489	\$29,213,055

The determination of the revenue requirement requires calculation of the incremental revenue required to compensate the Company and includes: (i) a return, at a percentage equal to the Company’s proposed authorized weighted average cost of capital including an authorized return on equity of 9.5% grossed up for taxes, on the projected increase in the month ending net plant

¹ For calculation of rates, Commercial and Commercial – Energy Options customers are combined.

² Only the current year DIIP Jurisdictional Revenue Requirement amount is included in the SSIR rate for 2025.

in-service balances associated with the Projects; (ii) the plant-related ownership costs associated with such incremental plant investment, including depreciation less any retirements, accumulated deferred income taxes (ADIT), and all taxes including income taxes and property taxes, and (iii) the projected operation and maintenance (O&M) expenses related to the Projects for 2025.

Table D – this table lists jurisdictional portion of the 2025 capital SSIR Projects included in the 2025 SSIR calculation including projected in-service date, total project cost, estimated betterment credit, if any, and net project cost to be included in the revenue requirement calculation. The estimated total project cost for 2025 SSIR projects net of all betterment credits as follows:

	Total Net Project Costs
2021 Projects (actual)	\$42,732,978
2022 Projects (actual)	\$44,924,312
2023 Projects (actual)	\$47,087,510
2024 Projects (estimate)	\$40,319,400
2025 Projects (estimate)	\$39,008,880
Total	\$214,073,080

Table E – this table shows the calculation inputs and results for depreciation used for calculating the SSIR revenue requirement.

Table F – this table shows the calculation inputs and results for the Weighted Average Cost of Capital (WACC), interest, property tax and tax used for calculating the SSIR revenue requirement.

Table G – this table shows the summary of the calculations of Accumulated Deferred Income Taxes (ADIT) and Net Operating Loss (NOL) offset used for calculating the SSIR revenue requirement.

Table H – this table shows the detailed calculations of Accumulated Deferred Income Taxes (ADIT) used for calculating the SSIR revenue requirement.

Table I – this table shows the inputs and detailed calculations of tax depreciation used to calculate ADIT used for calculating the SSIR revenue requirement.

Table J – this table shows the inputs and calculations of the WACC used for calculating the SSIR revenue requirement.

Table K – this table assigns the 2025 capital SSIR Projects into FERC Accounts and further separates the costs into the jurisdictional component to the jurisdictional customer classes. The jurisdictional component of the revenue requirement, as shown on this table, was determined using the cost allocation principles approved in the most current general rate case, Application No. NG-109.

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Table L – this table further separates the 2025 capital SSIR Projects into the jurisdictional customer classes. The jurisdictional customer class assignment, as shown on this table, was determined using the cost allocation principles approved in the most current general rate case, Application No. NG-109.

Table M – this table shows (1) the summary of the sub-projects of the DIIP, including the proposed 2025 costs, (2) the portion recoverable in the SSIR revenue requirement, and (3) variances between proposed and actual costs.

Please contact me at (402) 221-2251 if you have questions or need additional information.

Respectfully,

BLACK HILLS NEBRASKA GAS, LLC
D/B/A BLACK HILLS ENERGY

/s/Margaret McGill
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and

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Enclosures

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**2025 PROJECTS
REFLECTED IN THE
SYSTEM SAFETY AND INTEGRITY RIDER
FOR BLACK HILLS NEBRASKA GAS, LLC**



August 1, 2024

**2025 PROJECTS REFLECTED IN THE
SYSTEM SAFETY AND INTEGRITY RIDER
FOR BLACK HILLS NEBRASKA GAS, LLC**

Filed August 1, 2024

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2025 PROJECTS REFLECTED IN THE
SYSTEM SAFETY AND INTEGRITY RIDER
FOR BLACK HILLS NEBRASKA GAS, LLC

I. INTRODUCTION

As set forth on Sheet Nos. 127-131 of the Nebraska Gas Tariff No. 1 (the “Tariff”) of BH Nebraska Gas, LLC d/b/a Black Hills Energy (“BH Nebraska Gas” or the “Company”), all Jurisdictional Residential, Commercial, and Commercial – Energy Options customers shall be subject to a System Safety and Integrity Rider (“SSIR”) designed to collect Eligible System Safety and Integrity Costs. BH Nebraska Gas is proposing the 2025 SSIR Tariff with an effective date of January 1, 2025.

Under the proposed SSIR Tariff, the Company will be authorized to collect the revenue requirement of Eligible System Safety and Integrity Costs projected for the period January 1, 2025, through December 31, 2025, through the Safety and Integrity Charge (the “SSIR Charge”) over the same period. The SSIR Charge is to be applied to each Rate Schedule as set forth on the Rate Schedules and Other Charges Schedule of Rates, Sheet No. 78 of the Tariff.

The SSIR Tariff requires that this application include pertinent information and supporting data related to eligible SSIR costs, including, at a minimum, SSIR Project descriptions and scopes, SSIR Project costs, and in-service dates.

The SSIR Tariff defines Eligible System Safety and Integrity Costs to mean:

- 1) A return, at a percentage equal to the Company’s currently authorized weighted average cost of capital, grossed up for taxes, on the projected increase in the jurisdictional component of the month ending net plant in-service balances associated with the Projects for the particular calendar year in which the SSIR Charge shall be in effect, exclusive of all plant in-service included in the determination of the revenue requirements approved in the Company’s last general rate case;
- 2) The plant-related ownership costs associated with such incremental plant investment, including depreciation, accumulated deferred income taxes, and all taxes including income taxes and property taxes; and
- 3) The projected jurisdictional component of the operation and maintenance expenses related to the Projects for the particular year in which the SSIR Charge shall be in effect.

The return and income taxes and plant related costs associated with improvements or upgrades to facilities, made at the discretion of the Company to extend service or for future growth that is not

specifically required by a statute or regulation, shall be excluded from Eligible System Safety and Integrity Costs. **NG-112.4**

As set forth in the SSIR Tariff, SSIR Projects (also referenced in this filing as “Projects”) mean:

- i. Projects to comply with Code of Federal Regulations (“CFR”) Title 49 (Transportation), Part 192 (Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards), Subpart O (Gas Transmission Pipeline Integrity Management), including Projects in accordance with the Company’s transmission integrity management program (“TIMP”) and Projects in accordance with State enforcement of Subpart O and the Company’s TIMP;
- ii. Projects to comply with CFR Title 49 (Transportation), Part 192 (Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards), Subpart P (Gas Distribution Pipeline Integrity Management), including Projects in accordance with the Company’s distribution integrity management program (“DIMP”) and Projects in accordance with State enforcement of Subpart P and the Company’s DIMP;
- iii. Projects to comply with final rules and regulations of the U.S. Department of Transportation’s Pipeline and Hazardous Materials Safety Administration (“PHMSA”) that become effective on or after the filing date of the application requesting approval of the SSIR;
- iv. Facility relocation projects with a per-Project total cost of \$20,000 or more, exclusive of all costs that have been, are being, or will be reimbursed otherwise, that are required due to construction or improvement of a highway, road, street, public way, or other public work by or on behalf of the United States, the State of Nebraska, a political subdivision of the State of Nebraska or another entity having the power of eminent domain; and
- v. Projects to ensure gas is available, delivered and measured for our customers in all situations. In some cases, these projects will not replace any existing infrastructure, and are required to maintain minimum pressure requirements on our distribution system to prevent loss of customers on a winter peak day. These projects include “Obsolete Infrastructure Projects,” with examples such as Charts, Meter Install, Odorizer, and Valve projects.

As shown in Exhibit 2, Table K, to this application, the Company has identified 26 individually numbered Capital SSIR Projects and in Exhibit 2, Table M, 2 Operations and Maintenance (“O&M”) Expense SSIR Projects for the instant filing. In total, the Company’s projected capital and O&M expenditures for 2025 SSIR Projects total **\$47,357,125**. All Projects will be in service in 2025.

Additionally, the Company each year encounters the need to conduct facility relocation projects in connection with municipal infrastructure projects. Municipalities typically do not finalize their plans for infrastructure projects for a particular calendar year, however, until late in the previous calendar year or early in the calendar year in which those projects will be conducted. Therefore, the Company will provide an update of its facility relocation projects in connection with municipal infrastructure projects and, through subsequent annual filings, will seek to recover the Eligible System Safety and Integrity Costs associated with those projects.

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The Company uses three distinct risk models corresponding to the TIMP, DIMP, and the At-Risk Meter Relocation (“ARMR”) Program. All three models use objective and external factors and provide scores that correlate to proactive analysis of system risk, as described below.

- 1) The TIMP risk model is based on PHMSA mandates and laws enacted in 2004 which are very prescriptive. It is a relative risk ranking that utilizes a Risk of Failure = Likelihood of Failure * Consequence of Failure algorithm. It considers the nine primary threats categories recognized by PHMSA 192 Subpart O and ASME B31.8S: External Corrosion, Internal Corrosion, Stress Corrosion Cracking, Third Party Damage, Weather and Outside Force Damage, Manufacturing Defects, Construction Defects, Incorrect Operations, and Equipment Failure. The range of scores are a relative percentage of Risk of Failure (“ROF”).
- 2) The DIMP risk model¹ is based on PHMSA mandates from 2011 and is much less prescriptive. It uses spatial analysis and other external factors beyond leak and damage history to assess eight threat categories: Corrosion Failure; Natural Force Damage; Excavation Damage; Other Outside Force Damage; Pipe, Weld, or Joint Failure; Equipment Failure; Incorrect Operation; Other Causes. Each threat category has multiple sub-threats, creating 75 sub-threats² to be evaluated for each project. The likelihood of failure and consequence of failure and asset consequence of sub-threats are quantified and accumulated to determine the score for projects.
- 3) The ARMR risk model³ is unique because most of the pipe involved is customer-owned pipe, so the risk ranking is based on nearby damages. Meter location data is used to identify meters most likely at risk based on location assignment. Leak data is then applied to determine a subset of those meters that are most likely in harm’s way based on historic damage. The DIMP risk score and consequence threats are used to further

¹ The Black Hills Energy DIMP O&M Risk Assessment was originally filed *In the Matter of the Application of Black Hills Nebraska Gas, LLC, d/b/a Black Hills Energy, Rapid City, South Dakota, seeking approval or a general rate increase*, Application No. NG-109 (“NG-109”).

² The Threat Matrix of the 75 sub-threats was originally filed in NG-109.

³ The workflow of the ARMR Program Identification & Prioritization Process was originally filed in NG-109.

prioritize the results. Finally, interpolation zones are created based on the DIMP risk data to assign remaining meters a ranking. **NG-112.4**

In addition to the risk models, the Company also considers other criteria, such as the availability of internal and external crews; project management constraints; local economic development plans; customer inconvenience and impact; other specific regulatory requirements; threat assessment; corrosion control analysis; pipeline vintage; pipeline material; pipeline design and class location; pipeline configuration and segmentation; pipeline system constraints; pipeline replacement history; population density; pipeline maintenance and internal inspection history; pipeline piggability; existence and reliability of pipeline asset and testing records; pipeline leakage and other incident history; subject matter expert knowledge; Project timeframe; weather and climate constraints on the construction season; permitting constraints; probability of pipeline testing failures and dewatering constraints; service outage management; and pipeline source of supply and availability of alternate gas supply.

As part of the analysis, the SSIR Tariff requires the Company to identify and describe the proposed SSIR Projects that are for high-risk gas infrastructure by providing its risk assessment for each such SSIR Project including, if applicable, the probability of failure, the consequences of failure for the SSIR Project and how the Company prioritized the SSIR Project for which it seeks recovery. There are no SSIR Projects included within this filing that fall into this category.

II. 2023 SSIR PROJECT RECONCILIATION

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Through NG-112.2, the Nebraska Public Service Commission approved BH Nebraska Gas jurisdictional spend of \$47,382,876 for SSIR-eligible capital projects in 2023, including Data Infrastructure Improvement Program (“DIIP”) projects. The actual 2023 jurisdictional spend was **\$2,552,323** more than proposed. Significant variances are detailed below.

a) ARMR

Actual At-Risk Meter Relocation SSIR Project Category spend exceeded original projected jurisdictional budget amounts by \$2,605,471. Additional dollars were spent in Albion to make up for the underspend in Lincoln. Challenges with scheduling customers and customer cancelations slowed the work in Lincoln. Additional work was done in Benkelman and Norfolk to complete the ARMR work in those areas.

b) Bare Steel

Replacement of Bare Steel Distribution Mains SSIR Project Category jurisdictional spend was \$1,366,978 more than original projected budget amounts. The original scope of both projects in this category was expanded to replace approximately 6,000 more feet of main and 9 services. Additionally, contractor costs were higher than anticipated due in large part to the timing of estimating costs a year in advance of actual contracting and construction.

c) Facility Relocations

Required Facility Relocations SSIR Project Category jurisdictional spend totaled \$1,620,124. These Projects are included in the SSIR in an Annual SSIR Application in arrears, as projects of this type have a possibility of change, cancellations, or identification of additional qualified projects.

d) TOG, Exposed and Shallow Main

Top of Ground, Shallow and Exposed Pipe SSIR Project Category jurisdictional spend was \$951,956 less than original projected jurisdictional budget amounts. This variance was the result of project management costs, contractor costs and internal loadings being all lower than estimated. The Span replacement at N 35th & Superior Street has been delayed awaiting a 408-permit approval.

e) Obsolete Infrastructure (Meter Install)

Meter Install SSIR Project Category jurisdictional spend was \$1,816,506 less than original projected jurisdictional budget amounts. This variance was the result of the projects being overestimated and challenges completing all meter exchanges due to both internal and

external resource constraints mainly due to workforce retention and recruitment/training of qualified workers.

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III. 2025 ALTERNATE SSIR PROJECT LIST

a) Background

The 2025 Alternate SSIR Projects list is provided for Commission review and approval. Those Alternate SSIR Projects are prepared in compliance with the Commission’s Orders approving a shift in funding to an Alternate SSIR Project. *See, Commission ORDER APPROVING 2023 SSIR CHARGE in Commission Application No. NG-112.2 (“2023 SSIR Charge Order”)* and *ORDER APPROVING 2024 SSIR CHARGE in Commission Application No NG-112.3 (“2024 SSIR Charge Order”).*

The Commission first stated in its 2023 SSIR Charge Order that it is a reasonable plan to increase efficiency of the SSIR program while maintaining appropriate oversight by including an Alternate Projects list as part of the SSIR annual application. Thus, if the Company is unable to finish a primary SSIR project, then the Company is permitted to shift funding to an Alternate SSIR Project within the same category. As the Company’s 2023 SSIR Application did not include an Alternate SSIR Project list, the Commission’s 2023 SSIR Charge Order further provided that future Alternate SSIR Projects must be identified and filed with the SSIR Application, reviewed by the Public Advocate, and approved by the Commission.

In its 2024 SSIR Charge Order, the Commission further approved the Company’s request for approval to swap amounts approved for SSIR Projects at the category level. The Commission’s 2024 SSIR Charge Order permits Black Hills Energy to swap an approved SSIR Project in one category to an SSIR Project in another category so long as that Project was reviewed and approved as part of the 2024 SSIR Application review process. In other words, the Company is limited to the identified SSIR Projects presented within the SSIR Application and to the approximate total SSIR Project amount approved by the Commission but may swap out a project from one category for a project from the SSIR Project or SSIR Alternate Project list.

b) Request for Commission Review of 2025 Alternate SSIR Project List

In addition to the 2025 SSIR Projects list, the Company also provides a 2025 Alternate SSIR Project list. In this 2025 SSIR Annual Application, the Company requests the Commission to review and again approve Black Hills Energy’s flexibility to manage SSIR Projects and Project spending, subject to Commission’s total approved 2025 SSIR spending amounts.

As noted above, the requested flexibility provided in the 2023 SSIR Charge Order and the 2024 SSIR Charge Order allows the Company to manage 2025 SSIR project spend for the

defined SSIR project categories, per the Company’s Tariff⁴, and to streamline the reconciliation process, subject to the overall SSIR approved budget. **NG-112.4**

The 2025 SSIR Application requests continued Commission approval of flexibility and authority for Black Hills Energy when managing the SSIR projects and category budgets. To that end, the Company again asks the Commission to (a) permit Black Hills Energy cross-category use of the total approved 2025 SSIR spending amounts and (b) permit Informational Filings for previously unidentified projects that result in lower costs of completion due to efficiency and proximity in completion of those projects.

First, as noted in prior SSIR Applications, in some cases, the Alternate Project and Category identified by the Company may not match up to replace an approved SSIR project (i.e., within that same category) that cannot be completed during 2025. Under those circumstances, Black Hills Energy seeks authority to move those SSIR approved budgeted amounts to another Alternate SSIR Project even if that project is in another category. In other words, Black Hills Energy seeks Commission authority granted by the Commission in its 2024 SSIR Charge Order to permit cross-category projects to be completed. Black Hills Energy understands that the overall annual SSIR approved budget should not be exceeded.

In addition, in some cases, a contractor may complete a project under budget and more quickly than estimated at the time of preparing the SSIR Application and the SSIR Alternate Project list. To that end, Black Hills Energy seeks authority to use the unused SSIR approved amounts to a similar SSIR project that may not have been identified in the SSIR application for that year. For example, if a contractor completes an ARMR project in a community and can efficiently mobilize and commence another ARMR project in a community that is close to the initial community, then Black Hills Energy seeks permission and prior approval to use the unused SSIR approved amounts to complete another project. In that case, Black Hills Energy would identify the project and submit an Informational Filing to the Commission and the Public Advocate to record this unplanned safety activity. The accounting for the additional project could be reviewed in the reconciliation filing for that project.

As noted in prior Company SSIR Applications, the Company will first look to swap out uncompleted SSIR Projects identified in its SSIR Application with a project on its Alternate SSIR Project List. If the Alternate SSIR Project (a) doesn’t align with timing or approved budgets or (b) a completed SSIR Project is completed under budget and a previously unidentified SSIR Project can be substituted, then the Company would make a separate Informational filing with the Commission seeking approval to use projects from that list due to the inability to complete one of the 2025 SSIR Application project or SSIR Application Alternate project.

⁴ Black Hills Nebraska Gas, LLC d/b/a Black Hills Energy, Nebraska Natural Gas Tariff, Sheet No. 129.1, Definitions, Section C System Safety and Integrity Projects, Item v.

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The 2025 Alternate SSIR Project List project costs are not yet included in the 2025 Application project cost total because it is still uncertain as to whether those projects will in fact proceed in 2025. However, those Alternate SSIR Projects are identified below, including the estimated cost, for adequate Commission review in the event those projects will need to substitute for a 2025 SSIR project.

c) 2025 SSIR Alternative Project Budget Estimates

As in the past, this 2025 SSIR Application provides individual descriptions of 2025 SSIR projects for the Commission’s review. As described above, the Company seeks continuation of past budget flexibility and to enhance that flexibility to manage SSSIR projects between categories or to add a previously unidentified SSIR Projects where such projects can be completed prudently and efficiently.

The Company believes the ability to manage SSIR dollars within an eligible project category, across categories, or to include efficiency SSIR projects, allows for flexibility to adjust spend, or add projects, when impacted by significant events outside the Company’s control, such as those described above. SSIR eligible project categories are listed in the Company’s Tariff, Sheet No. 129.1, Definitions, Part C System Safety and Integrity Projects, Section v.

The SSIR Project budget flexibility, as approved by the Commission in its 2023 SSIR Charge Order and 2024 SSIR Charge Order, along with the additional budget flexibility requested in this 2025 SSIR Application, permits the Company to adjust to uncontrollable or unanticipated events or circumstances.

The 2025 Alternate SSIR Project List is set forth in Table 1 below.

TABLE 1 – 2025 SSIR ALTERNATE PROJECT LIST

Project		Estimate
10077446: TOG - Holdrege (Holdrege 1)	TOG	\$6,777,000
10072321: ARMR - Alliance (Alliance)	ARMR	\$2,800,000
10072327: ARMR - Sutton (Hebron)	ARMR	\$2,310,000
10077472: ARMR - McCook (Indianola)	ARMR	\$1,414,000
10077472: ARMR - McCook (Bartley)	ARMR	\$938,000
10077484: ARMR - Papillion (Blair)	ARMR	\$924,000
10077484: ARMR - Papillion (Papillion)	ARMR	\$672,000
10077484: ARMR - Papillion (La Vista)	ARMR	\$497,000
Benjamin Avenue Span Replacement	SPAN	\$440,045
10077445: Bare Steel - Columbus (Osceola)	BARE	\$145,000

10077455: TBS Replacement - Kearney (Amherst)	TBS	\$75,000
10077476: TBS Replacement - Norfolk (Winside)	TBS	\$75,000
10077468: TBS Replacement - McCook (Bartley)	TBS	\$75,000

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- 1) **10077446: Phelps County, Nebraska - TOG Replacement Holdrege 1**
 This SSIR project will consist of replacing 125,432 feet (23.76 miles) of pipe, all of which is TOG and installed in 1954 in Phelps County, NE. The max score for this project is 2,104.9 based on the risk model. The estimated total capital cost of this SSIR Project is \$6,777,000. The anticipated in-service date is November 30, 2025.

- 2) **10072321: Alliance, Nebraska - Meter Relocation**
 The Company will relocate approximately 400 meters from vulnerable locations and place them next to structures in Alliance, NE. The meters are currently located in alleys or easements and have an average max score of 8,794.47 based on the risk model. The total capital cost is estimated at \$2,800,000, and all replacements are scheduled to be in service by December 31, 2025.

- 3) **10072327: Hebron, Nebraska - Meter Relocation**
 The Company will relocate approximately 330 meters from vulnerable locations and place them next to structures in Hebron, NE. The meters are currently located in alleys or easements and have an average max score of 30,194.86 based on the risk model. The total capital cost is estimated at \$2,310,000, and all replacements are scheduled to be in service by December 31, 2025.

- 4) **10077472: Indianola, Nebraska - Meter Relocation**
 The Company will relocate approximately 202 meters from vulnerable locations and place them next to structures in Indianola, NE. The meters are currently located in alleys or easements and have an average max score of 101.75 based on the risk model. The total capital cost is estimated at \$1,414,000, and all replacements are scheduled to be in service by December 31, 2025.

- 5) **10077472: Bartley, Nebraska - Meter Relocation**
 The Company will relocate approximately 134 meters from vulnerable locations and place them next to structures in Bartley, NE. The meters are currently located in alleys or easements and have an average max score of 53.28 based on the risk model. The total capital cost is estimated at \$938,000, and all replacements are scheduled to be in service by December 31, 2025.

6) **10077484: Blair, Nebraska - Meter Relocation**

The Company will relocate approximately 132 meters from vulnerable locations and place them next to structures in Blair, NE. The meters are currently located inside a structure and have an average max risk score of 7,155.97. The total capital cost is estimated at \$924,000, and all replacements are scheduled to be in service by December 31, 2025.

7) **10077484: Papillion, Nebraska - Meter Relocation**

The Company will relocate approximately 96 meters from vulnerable locations and place them next to structures in Papillion, NE. The meters are currently located inside a structure and have an average max score of 2,363.95 based on the risk model. The total capital cost is estimated at \$672,000, and all replacements are scheduled to be in service by December 31, 2025.

8) **10077484: La Vista, Nebraska - Meter Relocation**

The Company will relocate approximately 71 meters from vulnerable locations and place them next to structures in La Vista, NE. The meters are currently located inside a structure. This project was not scored but was prioritized based on SME identification. The total capital cost is estimated at \$497,000, and all replacements are scheduled to be in service by December 31, 2025.

9) **Norfolk, Nebraska - Benjamin Avenue Span Replacement**

This SSIR project will consist of replacing 2,900 feet (0.55 miles) of pipe that is currently suspended from a bridge crossing the North Fork Elkhorn River and was installed in 1991 in Norfolk, NE. This project was not scored but was prioritized based on SME identification. Failing pipe supports, dis-bonded coating, exposure to road salt and other corrosion accelerating elements, and difficulty inspecting the pipe around the supports for corrosion make this project a priority. The estimated total capital cost of this SSIR Project is \$440,045. The anticipated in-service date is November 30, 2025.

10) **10077445: Osceola, Nebraska - Bare Main Replacement**

This SSIR Project will consist of replacing an approximate 1,496 feet (.28 miles) of unprotected bare steel main that was installed in the 1930's in Osceola, NE. It will also involve the replacement of an approximate 2 service lines, each averaging 50 to 100 feet in length. The max score for this project is 1,478.9 based on the risk model. The estimated total capital cost of this SSIR Project is \$145,000. The anticipated in-service date is November 30, 2025.

11) **10077455: Amherst, Nebraska - TBS Replacement**

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This SSIR Project includes the replacement of a TBS in Amherst, NE, in an effort to bring the TBS up to current code requirements and to improve the safety and reliability of the facility. The existing TBS has gas carrier pipe that is used as piping support resting on concrete which is a corrosion concern, valves that are in poor condition, and obsolete pressure regulating and pressure relief equipment that needs updating. The max score for this project is 8.144 based on the risk model. The new TBS will include proper pipe supports, standby alternate path to avoid system outage, new valves, and new pressure regulating and pressure relief equipment. The total capital cost of this SSIR Project is estimated at \$75,000. The anticipated in-service date is November 30, 2025.

12) **10077476: Winside, Nebraska - TBS Replacement**

This SSIR Project includes the replacement of a TBS in Winside, NE, in an effort to bring the TBS up to current code requirements and to improve the safety and reliability of the facility. The existing TBS has gas carrier pipe that is used as piping support resting on concrete which is a corrosion concern, valves that are in poor condition, and obsolete pressure regulating and pressure relief equipment that needs updating. The max score for this project is 7.432 based on the risk model. The new TBS will include proper pipe supports, standby alternate path to avoid system outage, new valves, and new pressure regulating and pressure relief equipment. The total capital cost of this SSIR Project is estimated at \$75,000. The anticipated in-service date is November 30, 2025.

13) **10077468: Bartley, Nebraska - TBS Replacement**

This SSIR Project includes the replacement of a TBS in Bartley, NE, to bring the TBS up to current code requirements and to improve the safety and reliability of the facility. The existing TBS has gas carrier pipe that is used as piping support resting on concrete which is a corrosion concern, valves that are in poor condition, and obsolete pressure regulating and pressure relief equipment that needs updating. The max score for this project is 7.328 based on the risk model. The new TBS will include proper pipe supports, standby alternate path to avoid system outage, new valves, and new pressure regulating and pressure relief equipment. The total capital cost of this SSIR Project is estimated at \$75,000. The anticipated in-service date is November 30, 2025.

IV. 2025 SSIR PROJECTS

A. Replacement of Bare Steel Distribution Main

1. Background

The Company operates approximately 8,650 miles of distribution system⁵ in Nebraska, of which approximately four percent (4%), approximately 350 miles, are bare steel distribution main with various dates of installation ranging from the 1930s to approximately 1960. Although age alone does not determine the integrity of a pipeline system, some older pipeline facilities that are constructed of certain materials, including bare steel, may have degraded over time. It becomes increasingly difficult to maintain effective corrosion protection because the age of the system and bare steel pipeline, in coordination with the State Fire Marshall's office, is no longer cathodically protected which has necessitated an accelerated removal. Compared with coated steel pipelines, bare steel pipelines corrode at a higher rate because there is no coating to serve as a barrier between the steel and the soil. Also, some pipeline segments may not meet today's pipeline construction standards, and some have been exposed to additional threats, such as excavation damage. In addition, there are some early vintage steel pipelines in certain areas that may pose risks because of incomplete records or construction practices not up to today's standard. Based upon known data, including installation records and construction methods, leakage history, cathodic protection data, damage history and population density, the Company's DIMP identifies bare steel segments that are higher risk.

2. SSIR Project Classification

a) Classification Under SSIR Tariff

The Company identified one bare steel distribution main pipeline segment requiring remediation under CFR Title 49, Part 192, Subpart P, DIMP. Section 192.1007 requires a pipeline operator to identify threats, evaluate and risk rank, and identify and implement measures to address risks.

b) Objective Criteria Analyzed

The Company used the objective criteria included in the DIMP risk model, as well as the availability of internal and external crews, project

⁵ The miles of distribution operated by the Company has been updated, consistent with Department of Transportation (DOT) reporting, from what was originally filed in NG-109.

management constraints, local economic development plans and customer impact.

NG-112.4

3. **Program Description**

The Company has identified one specific bare steel distribution main replacement project scheduled to be completed in 2025. Typically for distribution line replacement projects, polyethylene pipe is used for both the distribution mains and associated service lines unless the system is required to operate above 100 pounds per square inch gauge (“psig”). If the system is required to operate above 100 psig, then steel pipe with fusion bonded epoxy coating is utilized. Bare Steel pipe is associated with accelerated corrosion and a construction date that usually predates the creation of formal construction standards in the natural gas utility industry. The total capital expenditure for this SSIR Project in 2025 is estimated to be \$4,787,640.

4. **Specific Projects**

a) **Ashland, Nebraska – Bare Main Replacement**

This SSIR Project will consist of replacing an approximate 33,408 feet (6.33 miles) of unprotected bare steel main that was installed in the 1930’s in Ashland, NE. It will also involve the replacement of an approximate 423 service lines, each averaging 50 to 100 feet in length. The max score for this project is 1646.4 based on the risk model.

The estimated total capital cost of this SSIR Project is \$4,787,640. The anticipated in-service date is November 30, 2025.

B. **Replacement of Transmission Pipeline**

1. **Background**

BH Nebraska Gas operates more than 1,200 miles of transmission system in Nebraska. Although age alone does not determine the integrity of a pipeline system, some older pipeline facilities installed prior to 1960 are constructed of certain materials and with certain coatings that have degraded over time. Even though these transmission lines are cathodically protected, it becomes increasingly difficult to maintain effective corrosion protection because of the age of the system. Based upon known data, including installation records and construction methods, leakage history, cathodic protection data, damage history and population density, the Company’s TIMP identifies transmission pipeline segments that are higher risk.

2. **SSIR Project Classification**

a) **Classification Under SSIR Tariff**

The Company identified no transmission pipeline segments displaying safety threats requiring remediation in 2025 under CFR Title 49, Part 192, Subpart O, TIMP. Section 192.917 requires a pipeline operator to evaluate and remediate pipeline segments where corrosion has been identified that could adversely affect the integrity of the line.

b) **Objective Criteria Analyzed**

The Company used the objective criteria included in the TIMP risk model, as well as the availability of internal and external crews, project management constraints, local economic development plans and customer impact.

3. **Program Description**

The Company has identified no transmission replacement projects to be included within this filing.

C. **Barricades**

1. **Background**

These SSIR Projects involve the installation of barricades to protect meter, regulator, and valve settings from outside force damage. This threat is largely caused by meter loops being at the customer's property line, in an alley or adjacent to the street. In addition, the widening of streets and highways, increased utilization of agricultural land, and increased traffic from both mechanized farm equipment and motor vehicles have rendered many meters more vulnerable to outside force damage. Occasionally, these meters are bumped by vehicles backing out of garages or hit alongside a street that result in a bent meter or leak to the meter loop. In addition to meter loops, regulator and valve sets also are susceptible to outside force damage both in city limits and rural areas. The occurrence of such damage has increased over the years, and Company records show that the greatest risk to its distribution system is outside force damage, much of which is a result of meters being hit by vehicles and farm equipment.

2. **SSIR Project Classification**

a) **Classification Under SSIR Tariff**

The Company identified no facilities requiring remediation in 2025 under CFR Title 49, Part 192, Subpart P, DIMP. Section 192.1007 requires a pipeline operator to identify threats, evaluate and risk rank, and identify and implement measures to address risks.

b) **Objective Criteria Analyzed**

The Company used the objective criteria included in the DIMP risk model, as well as the availability of internal and external crews, project management constraints, local economic development plans and customer impact.

3. **Program Description**

Barricades are structures typically fabricated from pipe material and resemble a fence or cage-like structure around the meter. For most meter applications, the Company installs prefabricated meter barricades manufactured with two-inch pipe. Larger meters, regulator stations, or valve settings may require custom fabrication to properly fit and protect the asset. The locations requiring the installation of a barricade are determined by field personnel working in conjunction with the Company's integrity management members to determine which facilities are at high risk. Factors in this determination include, but are not limited to, previous damage history, proximity to roadways, field observations and system operating pressures.

The Company has identified no barricade installation projects to be included within this filing.

D. **Cathodic Protection and Corrosion Prevention**

1. **Background**

Cathodic protection infrastructure is to be applied to all steel pipelines according to PHMSA regulations published in 49 CFR Section 192.451. The Company meets this requirement by utilizing galvanic anode applications as well as Impressed Current Cathodic Protection. Cathodic protection is an electrochemical process used to protect steel structures in contact with soil. The soil is the electrolyte portion of the corrosion cell with the pipeline as the cathode of the electrical circuit. The intent in the application of cathodic protection is to convert the oxygen in the soil to a hydroxyl ion thus causing the environment surrounding the pipeline to become

more alkaline. Steel tends to passivate in alkaline environments which result in very low corrosion rates. Magnesium anodes are installed in situations where a small amount of electrical current is needed to achieve adequate cathodic protection levels. Cathodic protection rectifiers with graphite anodes, as an Impressed Current Cathodic Protection system, are installed when a larger amount of electrical current is needed to achieve adequate cathodic protection levels.

NG-112.4

The Company's steel pipeline system varies from bare Top of Ground ("TOG") to buried lines with various types of coatings in a variety of conditions. The electrical current requirement for each type of installation, whether bare or coated, covers a wide range. The cathodic protection levels are measured periodically as required along the pipeline. The periodic surveys will readily indicate deficiencies in the cathodic protection system. These deficiencies can be indicative of active corrosion, dis-bonded coating, anode degradation or shorted pipeline casings.

2. **SSIR Project Classification**

a) **Classification Under SSIR Tariff**

The Company identified no projects requiring cathodic protection remediation in 2025 under CFR Title 49, Part 192 that be subject to either Subpart O (TIMP) or Subpart P (DIMP) depending on whether the pipe segment is classified as transmission or distribution pipe. For transmission segments, Section 192.917 requires a pipeline operator to evaluate and remediate pipeline segments where corrosion has been identified that could adversely affect the integrity of the line. Remediation of distribution segments is specified in Section 192.1007, which requires a pipeline operator to identify threats, evaluate and risk rank, and identify and implement measures to address risks.

b) **Objective Criteria Analyzed**

The Company used the objective criteria included in the DIMP and TIMP risk models, as well as the availability of internal and external crews, project management constraints, local economic development plans and customer impact.

3. **Program Description**

The Company has identified two specific projects in 2025. The total capital expenditure for the two SSIR projects in 2025 is estimated to be \$357,000. The anticipated in-service date for both projects is September 30, 2025.

NG-112.4

4. **Specific Projects**

Through a multi-year program, the Company plans to install remote monitoring units (RMUs) to remotely monitor cathodic protection on rectified systems to improve safety by alerting rectifier issues between normal reads. Monitoring rectified systems is more critical than systems protected by anodes because rectifier malfunctions have much more potential for causing personal injury or pipeline damage. For 2025, the company has identified four RMU projects. They are located throughout the state, with one in each region. The total capital cost of these projects is estimated at \$357,000; West Region at \$193,200, and Central Region at \$163,800. All projects are anticipated to be in-service September 30, 2025.

E. **Town Border Stations (“TBS”)**

1. **Background**

Many TBS facilities in service today were built in the 1950s-1960s era, well before the requirements of 49 CFR 192 existed. Although many of these stations have provided service for well over 50 years, they may not have been built in accordance with today’s standards. Many TBS facilities have outdated equipment including shop fabricated heaters that are inefficient, weighted lever reliefs, and excessive pressure drop regulators. Because of their age and certain construction methods at the time of installation, many station components are displaying corrosion concerns on the piping and other components. In some cases, the TBS equipment and piping are still adequate, but the existing line heater is inefficient, undersized and/or corroding and needs to be replaced. Through a multi-year program, the Company plans to replace these aging stations and/or line heaters with components built to today’s standards.

2. **SSIR Project Classification**

a) **Classification Under SSIR Tariff**

The Company identified pipeline system components displaying safety threats requiring remediation in 2025 under CFR Title 49, Part 192 that are subject to either Subpart O (TIMP) or Subpart P (DIMP). For transmission components, Section 192.917 requires a pipeline operator to evaluate and remediate pipeline segments where corrosion has been identified that could adversely affect the integrity of the system. Remediation of distribution components is specified in Section 192.1007, which requires a pipeline operator to identify threats, evaluate and risk rank, and identify and implement measures to address risks.

b) **Objective Criteria Analyzed**

The Company used the objective criteria included in the DIMP and TIMP risk models, as well as the availability of internal and external crews, project management constraints, local economic development plans and customer impact.

3. **Program Description**

Through a multi-year program, the Company plans to replace these aging stations and/or line heaters with components built to today's standards. The new stations will be built with new components including regulators, pressure relief and isolation valves, line heaters and coated or painted new piping. For 2025, the Company has identified and scheduled the replacement of six TBSs at a total estimated capital cost of \$1,053,000. The anticipated in-service date for all projects is November 30, 2025.

4. **Specific Projects**

a) **Arcadia, Nebraska – TBS Replacement**

This SSIR Project includes the replacement of a TBS in Arcadia, NE, to bring the TBS up to current code requirements and to improve the safety and reliability of the facility. The existing TBS has gas carrier pipe that is used as piping support resting on concrete which is a corrosion concern, valves that are in poor condition, and obsolete pressure regulating and pressure relief equipment that needs updating. The max score for this project is 9.232 based on the risk model. The new TBS will include proper pipe supports, standby alternate path to avoid system outage, new valves, and new pressure regulating and pressure relief equipment.

The total capital cost of this SSIR Project is estimated at \$75,000. The anticipated in-service date is November 30, 2025.

b) **Shelton, Nebraska – TBS Replacement**

This SSIR Project includes the replacement of a TBS in Shelton, NE, to bring the TBS up to current code requirements and to improve the safety and reliability of the facility. The existing TBS has gas carrier pipe that is used as piping support resting on concrete which is a corrosion concern, valves that are in poor condition, and obsolete pressure regulating and pressure relief equipment that needs updating. The max score for this project is 8.95 based on the risk model. The new TBS will include proper

pipe supports, standby alternate path to avoid system outage, new valves, and new pressure regulating and pressure relief equipment. **NG-112.4**

The total capital cost of this SSIR Project is estimated at \$225,750. The anticipated in-service date is November 30, 2025.

c) **Farnam, Nebraska – TBS Replacement**

This SSIR Project includes the replacement of a TBS in Farnam, NE, to bring the TBS up to current code requirements and to improve the safety and reliability of the facility. The existing TBS has gas carrier pipe that is used as piping support resting on concrete which is a corrosion concern, valves that are in poor condition, and obsolete pressure regulating and pressure relief equipment that needs updating. The max score for this project is 9.228 based on the risk model. The new TBS will include proper pipe supports, standby alternate path to avoid system outage, new valves, and new pressure regulating and pressure relief equipment.

The total capital cost of this SSIR Project is estimated at \$225,750. The anticipated in-service date is November 30, 2025.

d) **Broadwater, Nebraska – TBS Replacement**

This SSIR Project includes the replacement of a TBS in Broadwater, NE, to bring the TBS up to current code requirements and to improve the safety and reliability of the facility. The existing TBS has gas carrier pipe that is used as piping support resting on concrete which is a corrosion concern, valves that are in poor condition, and obsolete pressure regulating and pressure relief equipment that needs updating. The max score for this project is 9.21 based on the risk model. The new TBS will include proper pipe supports, standby alternate path to avoid system outage, new valves, and new pressure regulating and pressure relief equipment.

The total capital cost of this SSIR Project is estimated at \$225,750. The anticipated in-service date is November 30, 2025.

e) **Lodgepole, Nebraska – TBS Replacement**

This SSIR Project includes the replacement of a TBS in Lodgepole, NE, to bring the TBS up to current code requirements and to improve the safety and reliability of the facility. The existing TBS has gas carrier pipe that is used as piping support resting on concrete which is a corrosion concern, valves that are in poor condition, and obsolete pressure regulating equipment that needs updating. The max score for this project is 9.144 based

on the risk model. The new TBS will include proper pipe supports, standby alternate path to avoid system outage, new valves, and new pressure regulating and pressure relief equipment.

The total capital cost of this SSIR Project is estimated at \$225,750. The anticipated in-service date is November 30, 2025.

f) **Republican City, Nebraska – TBS Replacement**

This SSIR Project includes the upgrade of a TBS in Republican City, NE, to bring the TBS up to current code requirements and to improve the safety and reliability of the facility. The existing TBS has gas valves that are in poor condition, obsolete pressure regulating, and pressure relief equipment that needs updating. The max score for this project is 9.126 based on the risk model. The new TBS will include proper pipe supports, standby alternate path to avoid system outage, new valves, and new pressure regulating and pressure relief equipment.

The total capital cost of this SSIR Project is estimated at \$75,000. The anticipated in-service date is November 30, 2025.

F. **Top of Ground (“TOG”), Span, Shallow and Exposed Pipe Replacement**

1. **Background**

Natural gas pipelines installed today generally are below grade with a minimum cover of three feet. Burying pipelines reduces the overall risk of the pipeline from outside force among other threats. Many pipeline segments operated by the Company in Nebraska, however, were installed by the Company’s predecessor during the 1950s and 1960s on top of the ground. These lines today are referred to as “Top of Ground” (“TOG”) within the system. During the time these lines were installed, the Company’s predecessor made a push to serve agricultural customers and small communities and installing TOG lines expedited service to these areas and reduced installation costs. When originally installed, most line segments were laid along fence lines, section lines or other rights-of-way that did not pose a high level of risk because they were visible and known to farmers. Through time, however, property owners and lease tenants have changed, many fences have been removed, agricultural land has been developed and, in some places, the TOG segments have become partially buried. These TOG segments are susceptible to outside force damage as well as corrosion threats.

Spans are segments of pipe that were intentionally installed above grade and that cross a known obstacle, which can include creeks, rivers, ditches, or highways.

These pipes can be supported or unsupported. Supported spans can be attached to a bridge or similar structure. Unsupported spans are generally shorter segments of pipe that are not supported by any structures and are also known as freestanding. Spans are susceptible to outside force damage as well as corrosion threats. NG-112.4

The risk of damage from outside forces and threats of corrosion are significant to TOG but are even greater for pipe that is shallow or has become exposed. While TOG may have been originally laid along fence lines, section lines or other rights-of-way that did not pose a high level of risk because they were visible and known to farmers, shallow and exposed pipe are not visible and known to customers until there is imminent danger of causing damage.

While the Company will be compliant with regulatory and operational standards, such as a minimum cover of 36 inches for transmission lines, only projects that meet these definitions **and** pose a significant risk will be recommended for replacement. That risk will be based on the depth of the pipe, the location and use of the land, and the ROF.

Exposed pipe would include pipe that was originally laid above the ground (like TOG) and pipe that has not been buried deep enough as it is now visible and exposed.

2. SSIR Project Classification

a) Classification Under SSIR Tariff

TOG, Span, Shallow and Exposed Pipe Projects identified are covered under CFR Title 49, Part 192, and may be subject to either Subpart O (TIMP) or Subpart P (DIMP) depending on whether the pipe segment is classified as transmission or distribution pipe. For transmission segments, Section 192.917 requires a pipeline operator to evaluate and remediate threats to pipeline segments including where corrosion has been identified or potential outside force damage could occur that could adversely affect the integrity of the line. Remediation of distribution segments is specified in Section 192.1007, which requires a pipeline operator to identify threats, evaluate and risk rank, and identify and implement measures to address risks.

b) Objective Criteria Analyzed

The Company used the objective criteria included in the DIMP and TIMP risk models, as well as the availability of internal and external crews, project

management constraints, local economic development plans and customer impact.

NG-112.4

3. **Program Description**

For 2025, the Company has identified five SSIR Projects to replace TOG, Span, Shallow and Exposed pipeline segments. Pipeline segments typically are replaced with polyethylene pipe, but segments that are required to operate at a higher pressure, in excess of 100 psig, typically are replaced with steel pipe coated with fusion bonded epoxy. The total capital expenditure for these five SSIR Projects in 2025 is estimated to be \$13,212,944. The anticipated in-service date for all five TOG, Span, Shallow and Exposed Pipe SSIR Projects is November 30, 2025.

4. **Specific Projects**

a) **Harlan County, Nebraska – TOG Replacement Holdrege 3**

This SSIR project will consist of replacing 90,550 feet (17.15 miles) of pipe, all of which is TOG and installed in 1964 in Harlan County, NE. The max score for this project is 2,091.9 based on the risk model.

The estimated total capital cost of this SSIR Project is \$4,448,000. The anticipated in-service date is November 30, 2025.

b) **Adams County, Nebraska – TOG Replacement Sundance Rd. 500-1850**

This SSIR project will consist of replacing 3,100 feet (.59 miles) of pipe, all of which is TOG and installed in 1978 in Adams County, NE. This project was not scored but was prioritized based on SME identification.

The estimated total capital cost of this SSIR Project is \$177,000. The anticipated in-service date is November 30, 2025.

c) **Phelps County, Nebraska – TOG Replacement Holdrege 5**

This SSIR project will consist of replacing 123,085 feet (23.31 miles) of pipe, all of which is TOG and installed in 1956 in Phelps County, NE. The max score for this project is 2,098.4 based on the risk model.

The estimated total capital cost of this SSIR Project is \$6,136,000. The anticipated in-service date is November 30, 2025.

d) **Lincoln, Nebraska – Span Replacement 35th & Superior**

NG-112.4

This SSIR project will consist of replacing 1,800 feet (0.34 miles) of pipe that is currently suspended from a bridge crossing Salt Creek and was installed in 1974 in Lincoln, NE. This project was not scored but was prioritized based on SME identification. Failing pipe supports, dis-bonded coating, exposure to road salt and other corrosion accelerating elements, and difficulty inspecting the pipe around the supports for corrosion make this project a priority.

The estimated total capital cost of this SSIR Project is \$1,400,000. The anticipated in-service date is November 30, 2025.

e) **Clay County, Nebraska – Shallow Main Replacement 460-0040**

This SSIR project will consist of replacing 18,018 feet (3.41 miles) of pipe, all of which has found to be shallow and installed in 1968 in Clay County, NE. This project was not scored but was prioritized based on SME identification.

The estimated total capital cost of this SSIR Project is \$1,051,944. The anticipated in-service date is November 30, 2025.

G. Mega Rule Projects

1. Background

In October 2019, PHMSA published what is known as the Mega Rule I which applies to approximately 32.73 miles of steel transmission pipelines within the BH Nebraska Gas service territory. The Mega Rule incorporates prescriptive actions required for gas transmission pipeline operators to improve pipeline safety including maximum allowable operating pressure (“MAOP”) reconfirmation per Section 192.624 and material verification per Sections 192.607 and 192.712.

MAOP Reconfirmation is required for steel transmission pipelines without traceable, verifiable, and complete (“TVC”) pressure test records located in a high consequence area (“HCA”), Class 3, or 4 locations or “grandfathered” steel transmission pipelines with a MAOP creating a specified minimum yield strength (“SMYS”) $\geq 30\%$ SMYS. Pipeline operators must develop and document procedures by July 1, 2021, and have until July 3, 2028, to reconfirm 50% of subject pipeline mileage and until July 2, 2035, to reconfirm 100% of subject pipeline mileage.

The Company has targeted 50% reconfirmation by end of year 2027 and 100% reconfirmation by end of year 2034. There are six methods identified to reconfirm MAOP: NG-112.4

- 1) Pressure test in conjunction with Materials Verification
- 2) Pressure reduction with Materials Verification in some instances
- 3) Engineering Critical Assessments
- 4) Pipe replacement
- 5) Pressure reduction for pipeline segments with Small Potential Impact Radius
- 6) Alternative technology as approved by PHMSA

Material Verification is required for steel transmission pipelines without TVC material records and meet the requirements for MAOP Reconfirmation or require predicted failure pressure calculations. Numerous sections of Part 192 require an operator to ensure adequate TVC materials records exist or implement a Material Verification Program if necessary. Within an operator's Material Verification Program, specific pipeline attributes must be verified including outside diameter, wall thickness, seam type and yield/tensile strength.

2. **SSIR Project Classification**

a) **Classification Under SSIR Tariff**

The Company identified the Mega Rule Projects under the PHMSA Mega Rule I. The Mega Rule I requires a pipeline operator to update incomplete records and ensure those new records are traceable, verifiable, and complete. The Mega Rule incorporates prescriptive actions required for gas transmission pipeline operators to improve pipeline safety including MAOP reconfirmation per Section 192.624 and material verification per Sections 192.607 and 192.712.

b) **Objective Criteria Analyzed**

The Company used the objective criteria specified by regulations to develop the 15-year MAOP Reconfirmation plan and Material Verification plan which is based off data with the gas GIS system as well as the TIMP risk model, availability of internal and external crews, project management constraints, local economic development plans and customer impact when applicable.

3. **Program Description**

The Company has established an MAOP Reconfirmation plan identifying segments requiring further investigation for applicability of MAOP Reconfirmation. This

plan also identifies segments for which MAOP Reconfirmation is required. Segments have been assigned a year in which MAOP Reconfirmation will be completed to ensure compliance with 50% by 2027 and 100% by 2034 requirement. NG-112.4

For 2025, the Company has identified one SSIR project to continue efforts towards the 50% requirement deadline. The total capital expenditure for this one Mega Rule Project in 2025 is estimated to be \$1,235,000. The anticipated in-service date is November 30, 2025.

4. **Specific Projects**

a) **Adams County, Nebraska – 4” Kenesaw Lateral**

This MAOP Reconfirmation project will require replacing approximately 16,570 feet (3.14 miles) of 4-inch transmission main. Replacing the main will establish TVC pressure test records as required by Section 192.624. Material verification will be completed as required by Sections 192.624 and 192.607.

The estimated total capital cost for this SSIR Project is \$1,235,000. The anticipated in-service date is November 30, 2025.

H. **Meter Relocations**

1. **Background**

These SSIR Projects involve the relocation of meter loops from their current location near a highway, street, or alley to the structure to better protect them from outside force damage, while replacing the customer-owned and installed “yard line” to the newly placed meter. This threat is equally caused by meter loops being at the customer’s property line, in an alley or adjacent to the street and customer-owned lines not having proper materials, repairs, maintenance, installation procedures, or records. Oftentimes, these meters are bumped by vehicles backing out of garages or hit alongside a street that result in a bent meter or leak to the meter loop. The occurrence of such damage has increased over the years, and Company records show that the second greatest risk to its distribution system is outside force, much of which is a result of meters being hit by vehicles.

Also included are the relocation of meters that are inside residences (“Inside Meters”). Inside Meters may present a safety issue because they are susceptible to damage from customers within their homes. The consequence of a meter leak is of much greater significance because the meter does not vent to the atmosphere, but into a home with large amounts of ignition sources and customers. Also, as part of the routine process of testing and exchanging meters, these meters require entrance

into the customer’s home or business and often second visits to re-light gas appliances. NG-112.4

Currently, BH Nebraska Gas must schedule an appointment to operate and maintain a meter located inside a customer’s premise. This meter location can result in inconvenience and disruption for customers. In addition, if the customer does not permit access to the premise, fails to honor the service appointment, or is tardy to a scheduled appointment, then the cost of waiting or rearranging the BH Nebraska Gas appointment can end up costing the Company more time and expense than if the meter is relocated outside of the premise.

The relocation of meters, whether from near a highway, street, alley or inside the residences, typically involves the installation of a new service line, the retirement of the existing meter, and the installation of a new meter assembly (risers, regulator, bypass meter assembly, and meter). Only capital activity is considered eligible in the SSIR mechanism.

2. SSIR Project Classification

a) Classification Under SSIR Tariff

The Company identified these facilities requiring remediation under CFR Title 49, Part 192, Subpart P, DIMP. Section 192.1007 requires a pipeline operator to identify threats, evaluate and risk rank, and identify and implement measures to address risks.

b) Objective Criteria Analyzed

The Company used the objective criteria included in the ARMR risk model, as well as the availability of internal and external crews, project management constraints, local economic development plans and customer impact.

3. Program Description

Meter loops are typically relocated from the vulnerable location to the structure to better protect them from outside force damage. In most cases, the service lines are replaced due to age, pipe material or condition of the pipe. The decision to relocate meters is dependent upon adequate material, adequate installation information, and accurate records of a customer owned fuel lines, which is not likely. The Company plans to relocate approximately 2,301 meters in 2025. The total capital expenditure for meter relocations in 2025 is estimated to be \$16,113,000. All meter relocation SSIR Projects listed are expected to be in-service by December 31, 2025.

4. **Specific Projects**

NG-112.4

Below are the towns and cities where the 2025 Meter Relocation Projects will occur and may not correspond to the project names.

a) **Lincoln, Nebraska – Meter Relocation**

The Company will relocate approximately 1,142 meters from vulnerable locations and place them next to structures in Lincoln, NE. The meters are currently located inside a structure and have an average max score of 21,971.41 based on the Company’s risk model.

The total capital cost is estimated at \$8,000,000, and all replacements are scheduled to be in service by December 31, 2025.

b) **Scottsbluff, Nebraska – Meter Relocation**

The Company will relocate approximately 456 meters from vulnerable locations and place them next to structures in Scottsbluff, NE. The meters are currently located in alleys or easements and have an average max score of 13,221.38 based on the risk model.

The total capital cost is estimated at \$3,192,000, and all replacements are scheduled to be in service by November 30, 2025.

c) **Plattsmouth, Nebraska – Meter Relocation**

The Company will relocate approximately 247 meters from vulnerable locations and place them next to structures in Plattsmouth, NE. The meters are currently located inside a structure. This project was not scored but was prioritized based on SME identification.

The total capital cost is estimated at \$1,729,000, and all replacements are scheduled to be in service by November 30, 2025.

d) **McCook, Nebraska – Meter Relocation**

The Company will relocate approximately 456 meters from vulnerable locations and place them next to structures in McCook, NE. The meters are currently located in alleys or easements and have an average max score of 12,326.52 based on the risk model.

The total capital cost is estimated at \$3,192,000, and all replacements are scheduled to be in service by November 30, 2025. **NG-112.4**

I. Obsolete Infrastructure

1. Background

The focus of obsolete infrastructure projects is to replace obsolete equipment, at the end of its life expectancy, allow for quicker response to damages and pressure-related equipment malfunctions, and ensure that gas is available, delivered and measured for BH Nebraska Gas customers in all situations. In some cases, these projects are required to maintain minimum pressure requirements on our distribution system to prevent loss of customers on a winter peak day. Projects to be included will be based on measurable criteria that improve safety and mitigate risk.

2. SSIR Project Classification

a) Classification Under SSIR Tariff

The Company identified the Obsolete Infrastructure Projects under CFR Title 49, Part 192, Subpart P (DIMP) and under CFR Title 49, Part 192, Subpart O, TIMP. Section 192.1007 requires a pipeline operator to identify threats, evaluate and risk rank, and identify and implement measures to address risks. Section 192.917 requires a pipeline operator to evaluate and remediate pipeline segments where corrosion has been identified that could adversely affect the integrity of the line.

b) Objective Criteria Analyzed

The objective criteria that the Company analyzed for these Projects are pipeline design, configuration, and segmentation; pipeline leakage and other incident history; population density; city plans for future growth; Project timeframe; weather and climate constraints on the construction season; permitting constraints; service outage management; pipeline source of supply and availability of alternate gas supply; and subject matter expert knowledge.

1. Program Description

The Company has identified five specific projects in 2025. The total capital expenditure for these five SSIR Projects in 2025 is estimated to be \$2,492,000. All five of these SSIR Projects are expected to be in-service by December 31, 2025.

2. **Specific Projects**

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a) **Electronic Reading Transmitters (“ERT”) Upgrades**

The company has identified one ERT upgrade project for 2025, located in the Lincoln operating unit. The estimated total capital cost of this SSIR Project is estimated at \$2,000,000. The anticipated in-service date for this project is 12/31/2025.

The projects will replace obsolete 40G ERTs that are reaching their life expectancy in the Lincoln operating unit with 100G ERTs. The typical life span of ERTs is 16-20 years. A fully functioning ERT provides the ability to detect active leaks, unusual consumption that the Company investigates that allows leaks to be detected. If these ERTs are not replaced, the ability to detect active leaks and unusual consumption and the accuracy of the monthly usage reads will begin to degrade rapidly and will eventually cease.

If the 40G ERT to be replaced is attached to a meter that is 25 years or older, both the meter and the ERT will be replaced. If the 40G ERT to be replaced is attached to a meter that is less than 25 years old, only the ERT will be replaced.

Replacing 40G ERTs with 100G ERTs is necessary for future implementation of an Automated Metering Infrastructure (“AMI”) program. The 2025 SSIR Project in the Lincoln operating unit will include the implementation of AMI.

Ultimately, this safety-based project allows for quicker leak response.

b) **Chart Replacements**

The company has identified four chart replacement projects. They are located throughout the state, with one in each region. The total capital cost of these projects is estimated at \$492,000; West Region at \$16,400, Central Region at \$65,600, South Region at \$205,000 and North Region at \$205,000. All projects are anticipated to be in-service by October 31, 2025.

These projects consist of replacing outdated chart recording equipment which monitors distribution system operating pressures as required by code. The existing chart recorders require a technician to visit the site weekly or monthly, depending on the chart type, to change the paper chart. The chart recorders offer no real time pressure monitoring, and they will be replaced by electronic pressure monitoring equipment that will be remotely monitored by SCADA/Gas Control and will not require regular visits.

Remotely monitored equipment that provide real-time data will give the Company the ability to detect damages resulting in large leaks and changes in pressure immediately. As SCADA and asset consequence are parts of the DIMP risk model, advanced measurement equipment allows quick response to damages. Areas without the ability to timely detect leaks or changes in pressure will be ranked higher. NG-112.4

Ultimately, this safety-based project will allow for quicker response to damages that result in large leaks as well as pressure regulating equipment malfunctions.

J. Obsolete Pipe Replacement

1. Background

The Company currently operates approximately less than 820 miles of polyvinylchloride (“PVC”) distribution pipelines in Nebraska which were installed between the mid-1960s through 1980. By the mid-1980s, PVC was no longer a recommended piping material due to the evolution of superior piping materials, such as PE pipe, and new construction methods. There are several safety issues with PVC pipe that the Company, and the industry as a whole, face. For example, PVC pipe has a high instance of leaks at joints due to adhesive failure. Additionally, in many instances the integrity of older PVC pipe is compromised because the material becomes brittle over time, which makes PVC pipe more prone to failure due to stress intensification that occurs when soil around a pressurized pipe is removed. Also, PVC pipe was installed with tracer wire to assist in locating the pipe, and over time that tracer wire has corroded and no longer carries a current. This makes it difficult for the Company to provide accurate pipe location points, which significantly increases the risk of third-party damage.

There are also pipelines made of material other than PVC that are not recommended currently, due to the evolution of superior piping materials and new construction methods, causing these types of piping to pose safety issues to BH Nebraska Gas and the public. Examples include copper, Aldyl-A, and Orangeburg.

The Company recognizes that all pipe that is no longer the industry standard may not necessarily be considered a significant high risk in the context of failure and consequence. Only such pipe that also poses a significant risk will be recommended for replacement. That risk will be based on the risk model with factors including, but not limited to, age, material, the location, and the ability to locate the pipe.

2. **SSIR Project Classification**

a) **Classification Under SSIR Tariff**

Obsolete Pipe Replacement Projects identified are covered under CFR Title 49, Part 192, and may be subject to either Subpart O (TIMP) or Subpart P (DIMP) depending on whether the pipe segment is classified as transmission or distribution pipe. For transmission segments, Section 192.917 requires a pipeline operator to evaluate and remediate threats to pipeline segments including where corrosion has been identified or potential outside force damage could occur that could adversely affect the integrity of the line. Remediation of distribution segments is specified in Section 192.1007, which requires a pipeline operator to identify threats, evaluate and risk rank, and identify and implement measures to address risks.

b) **Objective Criteria Analyzed**

The Company used the objective criteria included in the DIMP and TIMP risk models, as well as the availability of internal and external crews, project management constraints, local economic development plans and customer impact.

3. **Program Description**

For 2025, the Company has identified two SSIR projects to replace PVC distribution main pipelines. The total capital expenditure for these two SSIR projects in 2025 is estimated to be \$5,758,000. The anticipated in-service date for both projects is November 30, 2025.

4. **Specific Projects**

a) **Polk County, Nebraska – PVC Replacement Sutton 3**

This SSIR project will consist of replacing 91,851 feet (17.40 miles) of pipe, all of which is PVC and installed in 1967 in Polk County, NE. The max score for this project is 1,708.7 based on the risk model.

The estimated total capital cost of this SSIR Project is \$2,639,000. The anticipated in-service date is November 30, 2025.

b) **York County, Nebraska – PVC Replacement Sutton 14**

NG-112.4

This SSIR project will consist of replacing 98,868 feet (18.73 miles) of pipe, all of which is PVC and installed in 1967 in York County, NE. The max score for this project is 1,711.3 based on the risk model.

The estimated total capital cost of this SSIR Project is \$3,119,000. The anticipated in-service date is November 30, 2025.

K. Facility Relocation Projects

The SSIR Tariff authorizes the Company to recover the costs of facility relocation projects in the SSIR Charge. The Company each year encounters the need to conduct facility relocation projects in connection with municipal infrastructure projects. These facility relocation projects, when they occur, are directly related to pipeline safety and integrity activities. Such projects are an integral step in the overall safety and integrity process. These projects are required by government entities to enhance the public welfare, including safety.

Although the Company is currently aware of some state or municipal infrastructure projects in 2025 that may require the Company to conduct facility relocation projects, the costs of which are Eligible System Safety and Integrity Costs for recovery through the SSIR Tariff, the possibility of changes or cancellations to those or identification of additional qualified projects could arise. Therefore, through a subsequent filing, the Company will provide updates of its facility relocation projects in connection with state or municipal infrastructure projects and will seek to recover the Eligible System Safety and Integrity Costs associated with those projects that occurred.

L. Data Infrastructure Improvement Program (“DIIP”)

1. Background

In order to appropriately rank higher risk pipeline projects for purposes of prioritizing accelerated threat mitigation efforts, it is vital for the Company to be able to identify risks, understand the consequences of those risks, close known data gaps, and continuously improve system knowledge. The Company has implemented a Data Infrastructure Improvement Program (“DIIP”) to close known data gaps and verify current data for accuracy. This data will help develop more predictive and analytical risk models, improve system mapping, and ultimately help protect against our top threat of third-party damage.

As data gaps are closed and data is verified through DIIP, the results will be incorporated annually into the DIMP and TIMP risk models. The effect will be a continuous improvement of the asset risk outputs, which will enhance the models.

Verification of location-based data will directly improve safety of the system as well. **NG-112.4**

As the DIIP progresses, future SSIR applications will include the impact to the DIMP and TIMP programs and risk models, the Company's knowledge and population of high-risk-defined assets, the selection of annual portfolio of projects, and overall program(s) life cycles.

The Company has initiated a similar DIIP for transmission lines and has seen significant improvement of data by increased spatial accuracy of transmission assets, in some cases by hundreds of feet. Having accurate asset centerlines and mapping previously unmapped service lines will have a direct impact on the DIMP and TIMP, and by extension the safety of the public, environment, customers, and employees. It will ensure proper one-call coverage and have practical safety impacts for third party damage reduction, safe operations, and emergency response.

2. SSIR Project Classification

a) Classification Under SSIR Tariff

The Company identified the DIIP under CFR Title 49, Part 192, Subpart P (DIMP) and under CFR Title 49, Part 192, Subpart O, TIMP. Section 192.1007 requires a pipeline operator to identify threats, evaluate and risk rank, and identify and implement measures to address risks. ASME B31.8S which is a referenced standard under the CFR Title 49, Part 192, Subpart O, identifies the necessary data elements needed to model risk accurately and reliably and recommends surveying all potential locations where records could exist and to remedy data deficiencies known to the transmission pipeline. Also, PHMSA Advisory Bulletins ADB 11-01, ADB 12-06, and the Pipeline Safety, Regulatory Certainty, and Job Creation Act of 2011 direct owners to verify that data and records accurately reflect the MAOP of their pipelines within Class 3, Class 4 and in High consequence areas.

b) Objective Criteria Analyzed

The DIIP is intended to improve the knowledge of the BH Nebraska Gas pipeline system to provide BH Nebraska Gas with the ability to positively confirm the integrity of the pipeline system. There continues to be knowledge gaps with respect to the pipeline system. The Program will implement specific initiatives to improve system data, including data gap elimination, GIS updates, and programmatic improvements.

NG-112.4

3. **Program Description**

The Company has identified the Transmission/Gathering Traceable, Verifiable and Complete (TVC) Records, Distribution Main & Service Centerline Survey, and Distribution Attribute Improvement projects within the DIIP as described below. The total SSIR expenditure for 2025 is estimated to be \$2,348,540.

4. **Specific Projects**

a) **Transmission/Gathering Traceable, Verifiable and Complete (“TVC”) Records**

This project includes gathering, scanning, and storing original construction records in a document management system and linking to the Geospatial Information System (“GIS”) asset record. The documents will be used to verify Maximum Allowable Operating Pressure and MAOP attributes and update any missing pipeline attributes and features in GIS. For each transmission pipeline and station, a detailed GIS build will be performed using all available information collected from the digitized records. Relevant data will be extracted and used to perform MAOP calculations and verification. Data generated from the calculations will then be repopulated into the GIS system creating a more robust database.

The total expenditure for 2025 is estimated to be \$347,247 and is included in the SSIR Application.

b) **Gas Service Card Mapping**

The Gas Service Card Mapping Projects include mapping, verifying, or adjusting the centerlines of service line as-builts (service cards) in the Company’s GIS system. These service cards are currently maintained as digital records in our document management system and linked to the service points in the GIS system, but the majority remain un-mapped in the GIS system. This project would include updating the pipeline spatial location, physical pipeline attributes and pressure test attributes in the GIS system.

There are no costs for this project in 2025.

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c) **Distribution Main & Service Centerline Survey**

This is a high accuracy Global Positioning System (“GPS”) survey of mains, service lines and meter locations. This project includes adding unmapped mains and service lines to GIS, updating the spatial location of previously mapped mains and service lines, and correcting the location of service points and meters in GIS. Data gathered in the field includes meter structure location, meter number, above grade facility data, and unlocatable pipeline information. Prioritization for pipeline assets will be aligned with the DIMP risk scores which considers unknown data in the risk model.

The total expenditure for 2025 is estimated to be \$1,400,905 and is included in the SSIR Application.

d) **Distribution Attribute Improvement**

This project will update data attributes for pipeline features in GIS gathered from legacy paper and digital records, combined with the GPS survey data. The process to review construction records will include legacy datasets and original construction records. Paper records will be scanned, indexed and linked to GIS pipeline records.

The total expenditure for 2025 is estimated to be \$600,388 and is included in the SSIR Application.

e) **GIS Pressure Systems**

This project will create unique pressure systems in GIS that will align with our Gas Valve program that is used to manage pressure regulating stations. These pressure systems will be updated with data attributes needed to manage these systems, examples of which include system MAOP and Operating Pressure. The correction of any connectivity issues with the GIS data will also be included in the scope of this project.

There are no costs for this project in 2025.

f) **GIS Emergency Response Zones**

This project focuses on the creation and standardization of Emergency Response Zones per BH Nebraska Gas’s Operations and Maintenance Manual to support Emergency Valves in GIS. Emergency Response Zones allow the Company to isolate gas systems during an emergency event. This project allows BH Nebraska Gas to manage Emergency Response Zones in GIS instead of the paper systems managed by each office. This project also

includes the digitization of the emergency response plans for each system and linking to these zones, it will create consistency across the Company by providing personnel with virtual access to the plans and ensuring emergency valves align with our valve maintenance database. NG-112.4

There are no costs for this project in 2025.

g) **GIS Cathodic Protection (“CP”) Zones**

This project includes the creation and standardization of Cathodic Protection (CP) zones and features in GIS and ensuring consistency between GIS and the CP Databases. CP test stations as well as other CP assets will be included in scope for this project.

There are no costs for this project in 2025.

h) **Bare Pipe Inspection (“BPI”) and Subject Matter Expert (“SME”) Pipeline Attribute Assessment**

This project uses electronically available Buried Pipe Inspection information and Subject Matter Expert knowledge to analyze and identify data issues. The data collected from these efforts are used to make attribute corrections and fill data gaps in the GIS system. The project includes a process to verify the quality of this data before any updates are made in the GIS system.

There are no costs for this project in 2025.

i) **Document Management Migration**

This project involves the migration of digital asset records from multiple locations to a single location within the company’s document management system. The document management system will allow easier access to the documents by enabling searches via the Metadata tags associated with each record. It will make the record lifecycle and version control more manageable.

There are no costs for this project in 2025.

RATE SCHEDULES AND OTHER CHARGES
SCHEDULE OF RATES

Rate Areas 1, 2, & 3:

Type of Charge	Billing Unit	Base	SSIR	HEAT	Line Locates	Gas Cost
Residential		1/	2/	3/	4/	
Customer Charge	Per Month	\$15.45	\$5.28	\$0.29		
Volumetric Charge First 20 Therms	Per Therm	\$0.50858				5/
Volumetric Charge Over 20 Therms	Per Therm	\$0.15000				5/
Commercial						
Customer Charge	Per Month	\$28.43	\$16.56	\$0.29		
Volumetric Charge First 40 Therms	Per Therm	\$0.50858				5/
Volumetric Charge Over 40 Therms	Per Therm	\$0.15000				5/
Commercial – EO						
Customer Charge	Per Month	\$28.43	\$16.56	\$0.29		
Volumetric Charge First 40 Therms	Per Therm	\$0.50858				5/
Volumetric Charge Over 40 Therms	Per Therm	\$0.15000				5/

Rate Area 5

Type of Charge	Billing Unit	Base 1/	SSIR 2/	HEAT 3/	GSCA 6/	Gas Cost
Residential						
Customer Charge	Per Month	\$15.45	\$5.28	\$0.29		
Volumetric Charge First 20 Therms	Per Therm	\$0.50858			\$0.00000	7/
Volumetric Charge Over 20 Therms	Per Therm	\$0.15000			\$0.00000	7/
Commercial						
Customer Charge	Per Month	\$28.43	\$16.56	\$0.29		
Volumetric Charge First 40 Therms	Per Therm	\$0.50858			\$0.00000	7/
Volumetric Charge Over 40 Therms	Per Therm	\$0.15000			\$0.00000	7/
Agricultural Seasonal Service						
Minimum Volumetric Charge	Per Therm	\$0.00100	--	--	\$0.00000	7/
Maximum Volumetric Charge	Per Therm	\$0.50000	--	--	\$0.00000	7/

- 1/ Base rates as set for on Sheet Nos. 79, 80, and 82
- 2/ System Safety and Integrity Rider set forth on Sheet Nos. 127-131
- 3/ High Efficiency Assistance Tool set forth on Sheet No. 132 – added to Customer Charge on bills
- 4/ Line Locates Surcharge as set forth on Sheet No. 133
- 5/ Gas Cost rates for Rate Areas 1-3 as set forth on Sheet Nos. 95 and 96
- 6/ Gas Supply Cost Adjustment as set forth on Sheet No. 123
- 7/ Gas Cost rates for Rate Area 5 (Supplier Commodity Charge) is the applicable rate agreed to by the Customer and its Supplier in the Choice Gas Program. See Sheet Nos. 97-107

DATE OF ISSUE: August 1, 2024
 ISSUED BY: Brooke Bassell-Herman, Director Regulatory

EFFECTIVE DATE: January 1, 2025

RATE SCHEDULES AND OTHER CHARGES
SCHEDULE OF RATES

Rate Areas 1, 2, & 3:

Type of Charge	Billing Unit	Base	SSIR	HEAT	Line Locates	Gas Cost
Residential		1/	2/	3/	4/	
Customer Charge	Per Month	\$15.45	\$3.78 <u>5.28</u>	\$0.29		
Volumetric Charge First 20 Therms	Per Therm	\$0.50858				5/
Volumetric Charge Over 20 Therms	Per Therm	\$0.15000				5/
Commercial						
Customer Charge	Per Month	\$28.43	\$11.35 <u>16.56</u>	\$0.29		
Volumetric Charge First 40 Therms	Per Therm	\$0.50858				5/
Volumetric Charge Over 40 Therms	Per Therm	\$0.15000				5/
Commercial – EO						
Customer Charge	Per Month	\$28.43	\$11.35 <u>16.56</u>	\$0.29		
Volumetric Charge First 40 Therms	Per Therm	\$0.50858				5/
Volumetric Charge Over 40 Therms	Per Therm	\$0.15000				5/

Rate Area 5

Type of Charge	Billing Unit	Base 1/	SSIR 2/	HEAT 3/	GSCA 6/	Gas Cost
Residential						
Customer Charge	Per Month	\$15.45	\$3.78 <u>5.28</u>	\$0.29		
Volumetric Charge First 20 Therms	Per Therm	\$0.50858			\$0.00000	7/
Volumetric Charge Over 20 Therms	Per Therm	\$0.15000			\$0.00000	7/
Commercial						
Customer Charge	Per Month	\$28.43	\$11.35 <u>16.56</u>	\$0.29		
Volumetric Charge First 40 Therms	Per Therm	\$0.50858			\$0.00000	7/
Volumetric Charge Over 40 Therms	Per Therm	\$0.15000			\$0.00000	7/
Agricultural Seasonal Service						
Minimum Volumetric Charge	Per Therm	\$0.00100	--	--	\$0.00000	7/

Black Hills Nebraska Gas, LLC

d/b/a Black Hills Energy

Nebraska Natural Gas Tariff

Filed with the Nebraska Public Service Commission

Maximum Volumetric Charge	Per Therm	\$0.50000	--	--	\$0.00000	NG 112.4
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1/ Base rates as set for on Sheet Nos. 79, 80, and 82

2/ System Safety and Integrity Rider set forth on Sheet Nos. 127-131

3/ High Efficiency Assistance Tool set forth on Sheet No. 132 – added to Customer Charge on bills

4/ Line Locates Surcharge as set forth on Sheet No. 133

5/ Gas Cost rates for Rate Areas 1-3 as set forth on Sheet Nos. 95 and 96

6/ Gas Supply Cost Adjustment as set forth on Sheet No. 123

7/ Gas Cost rates for Rate Area 5 (Supplier Commodity Charge) is the applicable rate agreed to by the Customer and its Supplier in the Choice Gas Program. See Sheet Nos. 97-107

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