



Northern Natural Gas Company
P.O. Box 3330
Omaha, NE 68103-0330
402 398-7200

March 7, 2024

Ms. Debbie-Anne Reese, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Dear Ms. Reese:

Northern Natural Gas Company (Northern) hereby submits for filing, pursuant to Northern's blanket authority granted September 1, 1982, at Docket No. CP82-401-000 and sections 157.205, 157.208, 157.210 and 157.216 of the Commission's Regulations, its request for authorization to install and operate (1) an approximately 4.53-mile extension of its 16-inch-diameter MNM80511 C-line and associated aboveground appurtenances in Martin County, Minnesota; and (2) the Columbus branch line tie-over regulator station in Dodge County, Nebraska. Minor segments of pipeline will be removed at both locations. The proposed project is referred to as the West Leg 2024 Expansion Project (Project).

The filing is comprised of the following:

Prior Notice Request (Public)

- This transmittal letter
- Prior notice request
- Federal Register Notice
- Attachments A (Pipeline Specifications), B (Map), C (Costs), and E (Environmental Resource Reports 1 through 12)¹

Volume II (Critical Energy Infrastructure Information – CEII)

- Attachment D (Flow Diagrams and Data)
- Figure 1-6 (Facility Plot Plans)

Volume III (Privileged)

- Figure 1-5 (Alignment Sheets)
- Appendix A/Attachment 5 (HDD Plan and Profile)
- Appendix C (Landowner Listing)
- Appendix F (Cultural Resources Survey Reports)

¹ Resource Report 13 was not included because the proposed West Leg 2024 expansion project does not involve LNG facilities.

Northern Natural Gas
West Leg 2024 Expansion
Prior Notice Request
Page 2 of 2

Volume II contains engineering details depicting Northern's system and has therefore been segregated and labelled "CUI//CEII – DO NOT RELEASE." Volume III contains information relating to the location of cultural resources and/or landowner names and addresses and has; therefore, been segregated and labelled "CUI//PRIV – DO NOT RELEASE." Northern respectfully requests the CEII and Privileged information submitted herein be accorded privileged and confidential treatment pursuant to 18 C.F.R. § 388.112. The person to be contacted regarding this request for privileged treatment is:

Donna Martens
Senior Regulatory Analyst
Northern Natural Gas
1111 South 103rd Street
Omaha, NE 68124-1000
Telephone: 402-398-7138
Email: donna.martens@nngco.com

Any questions regarding this filing should be directed to the undersigned at (402) 398 7138.

Respectfully submitted,

/signed/ Donna Martens

Donna Martens
Senior Regulatory Analyst

NORTHERN NATURAL GAS COMPANY

REQUEST FOR AUTHORIZATION

UNDER THE BLANKET CERTIFICATE

Docket No. CP24- -000

Date filed: March 7, 2024

**UNITED STATES OF AMERICA
Before the
FEDERAL ENERGY REGULATORY COMMISSION**

In the Matter of §
 § Docket No. CP24- -000
NORTHERN NATURAL GAS COMPANY §

**REQUEST FOR AUTHORIZATION UNDER
THE BLANKET CERTIFICATE**

Northern Natural Gas Company (Northern) hereby submits this prior notice filing to the Federal Energy Regulatory Commission (Commission or FERC) pursuant to Northern's blanket authority granted September 1, 1982, at Docket No. CP82-401-000, and sections 157.205, 157.208, 157.210, and 157.216 of the Commission's regulations, for authorization to install and operate (1) an approximately 4.53-mile extension of its 16-inch-diameter MNM80511 C-line (C-line) and associated aboveground appurtenances in Martin County, Minnesota; and (2) the Columbus branch line tie-over regulator station in Dodge County, Nebraska. Minor segments of pipeline will be removed at both locations. The proposed project is referred to as the West Leg 2024 Expansion Project (Project).

In support of this request and pursuant to the presently effective Regulations under the Natural Gas Act (NGA) and Rules of Practice and Procedures of the Commission, Northern states and shows the following:

I.

The exact legal name of applicant is Northern Natural Gas Company. Northern is a

corporation organized under the laws of the State of Delaware, having its principal office located at 1111 South 103 Street, Omaha, Nebraska 68124-1000.

Northern is a "natural gas company" within the meaning of the NGA and, pursuant to Certificates of Public Convenience and Necessity issued by the Commission, is engaged in the transportation of natural gas in interstate commerce. Northern is authorized to do, and is doing, business in the states of Delaware, Texas, New Mexico, Oklahoma, Kansas, Nebraska, Iowa, Minnesota, Illinois, Michigan, Wisconsin, and South Dakota.

II.

All correspondence and communications with respect to this request are to be sent to the following:

Kirk Lavengood, Vice President
General Counsel and Regulatory Affairs
Northern Natural Gas Company
P.O. Box 3330
Omaha, NE 68103-0330
Phone: (402) 398-7376
Email: kirk.lavengood@nngco.com

* Donna Martens, Senior Regulatory Analyst
Northern Natural Gas Company
P.O. Box 3330
Omaha, NE 68103-0330
Phone: (402) 398-7138
Email: donna.martens@nngco.com

* Nicole Spitzenberger, Senior Attorney
Northern Natural Gas Company
P.O. Box 3330
Omaha, NE 68103-0330
Phone: (402) 398-7554
Email: nicole.spitzenberger@nngco.com

* Designated to receive service pursuant to Section 385.2010(c) of the Commission's Regulations.

III.

The proposed Project which is more fully described below is a discrete project to serve markets for industrial, commercial and residential use that cannot be met by Northern's existing infrastructure or, as discussed in Resource Report 10, by any alternatives.

Northern held an open season April 3, 2023, to April 21, 2023, to solicit binding bids for firm throughput service commencing on or after November 1, 2024, from certain points of interest (POIs)¹ to delivery points located on the West Leg of Northern's Market Area². Northern also provided firm customers currently holding capacity that may be used to reduce construction in Northern's Market Area an opportunity to turn back capacity. Northern received no requests in the open season to turnback or realign capacity. The open season resulted in customer requests for 12,960 dekatherms per day (Dth/day) of incremental firm service in Northern's Market Area. Northern has executed precedent agreements for a total of 12,960 Dth/day with nine customers: Black Hills Service Company, LLC; Alton Municipal Utilities; City of Crooks, South Dakota; City of Garretson, South Dakota; City of Humboldt, South Dakota; City of Sanborn, Iowa; Wall Lake Municipal Gas; Ag Processing Inc. (AGP); and Agropur, Inc. (Agropur). Northern will execute firm throughput agreements with the nine customers for the 12,960 Dth/day prior to the start of construction.

¹ The receipt POIs listed in the open season are Northern Border Pipeline (NBPL)/Northern (NNG) Ventura (POI 192), NBPL/NNG Welcome (POI 1665), NBPL/NNG Aberdeen (POI 193), and NBPL/NNG Hazel (POI 79244).

² Northern's system is divided into two areas: the Field Area and the Market Area. Northern's Market Area is the geographical area located north of the inlet to Northern's Clifton compressor station in Clay County, Kansas. The Market Area includes pipeline configured in a grid system, with gas flowing into the Market Area facilities from geographically distinct supply basins via several third-party interstate pipelines and Northern's own transmission facilities.

AGP is in the process of constructing a new state-of-the-art soybean processing facility near David City, Nebraska. The plant will have the capacity to process over 50 million bushels of soybeans per year and will provide over 60 well-paying jobs in addition to bringing additional economic benefit to the area. AGP is participating in the Project to secure the necessary firm gas transportation capacity for plant operations expected to begin in 2025.

Agropur, a dairy cooperative owned by 3,000 dairy farmers, is participating in the Project to secure necessary firm gas transportation capacity for its existing dairy processing plant near Lake Norden, South Dakota. Agropur is a top 20 global dairy producer and North America's largest whey protein manufacturer producing approximately one billion pounds of cheese per year. In 2018, Agropur invested more than \$250 million into the expansion of its Lake Norden plant, which is one of seven plants owned and operated by Agropur in the U.S. The expansion increased its daily milk processing capacity from three million pounds to more than nine million pounds per year, while also growing its workforce from 220 to 400 workers. It is estimated that the expansion will have more than \$1 billion of annual economic impact on South Dakota as a whole.

Black Hills Service Company, LLC; Alton Municipal Utilities; City of Crooks, South Dakota; City of Garretson, South Dakota; City of Humboldt, South Dakota; City of Sanborn, Iowa; and Wall Lake Municipal Gas are existing utility customers on Northern's pipeline system that will be utilizing the firm transportation service from the Project to serve ongoing residential and commercial growth in their respective communities.

IV.

Northern proposes to construct the following facilities to increase peak-day entitlement by 12,960 Dth/day effective November 1, 2024.

MNM80511 C-line extension (C-line)

Northern proposes to install and operate an extension of its C-line starting at its Welcome south receiver and maximum allowable operating pressure (MAOP) regulator facility located in Section 21, Township 102 North, Range 32 West (T102N, R32W), Martin County, Minnesota, and extending approximately 4.53 miles where it will tie in below ground to its MNM80501 16-inch-diameter B-line (B-line) in Section 12, T101N, R33W, Martin County, Minnesota. The pipeline will be installed within existing easements.

The proposed extension will tie in below ground to the terminus of the existing C-line located within Northern's Welcome south receiver and MAOP regulator facility west of 100th Avenue. The equipment including the MAOP regulators, receiver, tie-in valves, and building at this location are being relocated to the south end of the proposed extension. The fence, approximately 130 feet of piping, and one permanent driveway will be removed. The majority of the land for the 226-foot by 151-foot facility will be returned to the landowner with the exception of a 23-foot by 12-foot lot and a 23-foot by 20-foot permanent driveway for an existing take-off valve that will remain at the site; the MNB87501 Sherburn town border station (TBS) #2 from MNM80501 take-off valve. Northern will rename this facility the MNB87501 Sherburn TBS #2 take-off and install a guardrail around the take-off valve.

The downstream tie-in to Northern's B-line will occur below ground on the south side of 60th Street within the relocated Welcome south receiver and MAOP regulator facility. As mentioned above, the receiver, MAOP regulators, tie-in valves and building will be relocated to the terminus of the proposed C-line extension. The facility will include MAOP regulators and associated electrical equipment, control valves, an overpressure protection valve, tie-in valves, associated piping, and a building with approximate dimensions of 15 feet by 17 feet with a maximum height of 12 feet.

The relocated receiver and MAOP regulator lot will measure 210 feet by 155 feet with two permanent driveways; this includes an approximate 12-foot buffer to be maintained by Northern on all sides of the facility lot. The buffer will include native grasses and the seeds of butterfly friendly foliage and bollards for protection from mowing. Northern will install a six-foot-high chain-link fence topped with barbed wire. The graveled and fenced receiver and regulator lot will measure 186 feet by 131 feet. Two permanent driveways, measuring 36 feet by 20 feet, will be installed to provide access off 60th Street; two driveways are required to accommodate pull-through parking, which will eliminate backing of equipment onto 60th Street. Northern is in the process of obtaining a facility easement for the receiver and MAOP regulator facility.

Additionally, approximately 25 feet of 3-inch-diameter below-ground tie-over piping will be installed from the proposed C-line to Northern's existing MNB87401 aboveground take-off valve setting located on the south side of 85th Street at approximate mile post (MP) 7.07. A blow-down valve also will be installed at the valve setting; this location is referred to as the MNB87401 Sherburn TBS #1 Take Off. The guardrail will be removed

to accommodate installation of the new pipe and will be reinstalled in the same location resulting in no modifications to the footprint of the facility.

Northern will install a line stop on the east side of 100th Avenue to minimize greenhouse gas emissions during tie-in activities. The line stop is located in Section 22, T102N, R32W, Martin County, Minnesota. Northern also will complete a hot tap on the south side of 60th Street, at the C-line extension terminus, to further reduce greenhouse gas emissions.

Columbus Branch Line Tie-Over Regulator Station

Northern proposes to install the Columbus branch line tie-over regulator station within its existing North Bend NE #1 TBS³, located on the east side of Highway 79 in Section 6, T17N, R6E, Dodge County, Nebraska. The new regulator station will include two MAOP regulators with control valves and associated electrical equipment, a relief valve and a building to house the control valves. The building will measure approximately 8 feet by 13 feet with a maximum height of approximately 11 feet. Approximately 40 feet of station piping will be removed for the tie-ins.

The existing TBS footprint and permanent driveway will not be expanded or modified. Northern will utilize the existing facility driveway for operational access off of Highway 79. Northern will temporarily remove portions of the existing fence to access the facility. Following construction, Northern will replace any sections of fence that were temporarily removed or damaged with a six-foot-high chain-link fence topped with barbed wire.

³ Installation of the proposed regulator station will not impact the existing operations of the North Bend NE #1 TBS.

The proposed pipeline will be installed in a 90-foot-wide nominal construction corridor, also referred to as temporary workspace. In addition to the construction corridor, Northern will utilize extra temporary workspace, existing and proposed permanent driveways and facilities, temporary access roads and existing farm roads, and staging areas during construction of the Project facilities. Northern also will use existing roads, as well as ingress and egress rights to existing easements held by Northern to gain access to the work area. Existing public roads can accommodate construction traffic without modification or improvement.

With the exception of a small segment of pipeline to be installed by horizontal directional drill (HDD) P4-3 that begins near MP 10.16 and ends near MP 10.35, the proposed C-line extension will be installed parallel (with a 25-foot offset) to the B-line. From MP 10.16 to MP 10.36, the maximum offset between the B-line and proposed C-line will be 67 feet; the centerline deviates at this location because the existing B-line contains a point of inflection in the middle of HDD P4-3.

Miscellaneous

The location and design of the facilities described above as well as the construction workspaces are shown in more detail on U.S. 7.5-minute geological topographic maps (Figure 1-2), aerial photo-based alignment sheets and an aerial photograph (Figures 1-4 and 1-5) provided in the environmental resource report (Attachment E). A map depicting the general location of the Project facilities in relationship to Northern's existing facilities is included as Attachment B. Flow diagrams reflecting Northern's system before and after the

proposed pipeline installation are included as Attachment D in Volume II and labeled “**CUI//CEII – DO NOT RELEASE**” (Critical Energy Infrastructure Information).

The facilities described herein will be financed with internally generated funds. The total estimated cost of the proposed facilities is approximately \$18.1 million. A cost breakdown is included as Attachment C.

V.

The proposed facilities have been designed and will be constructed in a manner that will minimize environmental impacts. A discussion of greenhouse gas emissions is included in Resource Report 9. Northern will be utilizing a 90-foot-wide construction corridor and is proposing to use the HDD construction crossing method to mitigate impacts to waterbodies, roadways and a private drive.

Northern will install the proposed C-line within existing easements where Northern holds multiple line rights. Northern is in the process of obtaining a facility easement for the relocated Welcome south receiver and MAOP regulator facility as discussed above. Landowners along the Project area were notified prior to Northern conducting the necessary surveys. The majority of land use impacted by the project is actively farmed. Disruption of agricultural lands only should occur during the construction phase, after which, with the exception of 0.71 acre required for the relocated Welcome south receiver and MAOP regulator facility, the land will be restored to allow the resumption of farming activity. A buffer, seeded with a mixture of native grasses and butterfly friendly foliage, will be established at the C-line terminus. Best management practices, construction and mitigation measures, and land use are more fully described in the environmental resource report (Attachment E).

The Project in Martin County, Minnesota, is located within a rural area with scattered residences and industrial buildings. In Dodge County, Nebraska, the Project area consists of public road right of way, an existing TBS lot, agricultural land and wetland land. There are no residences or buildings within 50 feet of the proposed Project construction workspaces.

Northern consulted with the Minnesota and Nebraska State Historic Preservation Offices (SHPO), which provided concurrence with the determination that no historic properties will be affected by the Project. Northern accessed the U.S. Fish and Wildlife Service (USFWS) IPaC Environmental Conservation Online System to obtain lists of federally listed threatened and endangered (T&E), proposed and candidate species, and federally designated critical habitat that may be present for each Project component. Based upon this review and field surveys conducted for the presence of suitable habitats between October 10, and 11, 2023, and February 13, 2024, Northern made a no-effect determination for T&E species for the Project. The Region 3, Twin Cities Ecological Services Field Office and the Nebraska Ecological Services Field Office of the USFWS have previously indicated to Northern that consultation is not required for no-effect determinations. Copies of correspondence with the USFWS and SHPO, including Northern's Plan for Unanticipated Discoveries in Minnesota and Nebraska are included in Resource Reports 3 and 4, respectively. A copy of the reports documenting the cultural resource surveys is labeled "**CUI//PRIV - Do Not Release**" (Privileged Information) and is included in Volume III.

Construction procedures were developed in accordance with FERC's *Upland Erosion Control, Revegetation, and Maintenance Plan* (Plan) and the *Wetland and*

Waterbody Construction and Mitigation Procedures (Procedures) to minimize environmental impacts. No modifications to the Plan or Procedures are proposed.

Northern will employ at least one chief environmental inspector (EI) per spread for the proposed Project; the Project will consist of two spreads. The EIs will be responsible for monitoring and ensuring compliance with all mitigation measures required by the project, clearances and permits. The EIs will be empowered to order correction of acts that violate environmental requirements, including stop work orders, and will approve and implement any necessary mitigation measures. Northern will file the EI reports with the Commission on a weekly basis.

No environmental justice communities are present in the Project area.

VI.

In accordance with the Natural Gas Pipeline Safety Act of 1968, Northern certifies that the facilities herein proposed will be designed, installed, removed, inspected, tested, operated and maintained in accordance with Federal and other applicable safety standards and plans for maintenance and inspection.

VII.

In compliance with Section 157.205(b)(4) of the Commission's regulations, Northern submits the activities proposed herein comply with the requirements of Subpart F of Part 157 of the Regulations promulgated under the NGA. Northern's verification is attached at page 15. Northern also states that the proposed activity described herein is not prohibited by its existing tariff and that the proposal is required to meet the contractual obligations of its customers. This Project is, therefore, required and permitted by the public convenience and necessity.

Northern states it is willing and able to do the acts for which request is herein made, and in so doing, to conform to the provisions of the NGA and the Regulations promulgated thereunder.

The facilities proposed herein will be constructed in accordance with all applicable environmental laws and regulations, including Section 157.206(b) of the Commission's regulations.

In addition, pursuant to Section 157.203(d)(2) of the Commission's Regulations, Northern will make a good faith effort to notify all affected landowners, as defined in Section 157.6(d)(2), within three business days following the date that a docket number is assigned to the filing.

VIII.

This filing is a request for authorization pursuant to Sections 157.205, 157.208, 157.210, and 157.216 of the Commission's Rules and Regulations (18 CFR §§ 157.205, 157.208, 157.210, and 157.216). Reference is made below to additional information required by §§ 157.205 157.208, 57.210, and 157.216 of said regulations which information is not incorporated into the text of this request but which is attached hereto:

- | | |
|---------------------|--|
| NOTICE | NOTICE OF REQUEST
Attached hereto. |
| Attachment A | PIPELINE SPECIFICATIONS
Attached hereto. |
| Attachment B | LOCATION OF FACILITIES
Attached hereto. |

Attachment C ESTIMATED COSTS

Attached hereto.

Attachment D FLOW DIAGRAM

Attached in Volume II (filed as CEII)

Attachment E ENVIRONMENTAL REPORT

Attached hereto as separate volume.

IX.

WHEREFORE, Northern herein respectfully requests that the Commission grant to Northern, pursuant to §§ 157.205, 157.208, 157.210, and 157.216 of the Commission's Regulations and Northern's Blanket Certificate granted September 1, 1982, at Docket No. CP82-401-000, authority to (1) construct and operate an approximately 4.53-mile extension of its 16-inch-diameter MNM80511 C-line with associated aboveground appurtenances in Martin County, Minnesota; (2) construct and operate the Columbus branch line regulator tie-over facility in Dodge County, Nebraska; and (3) remove small segments of pipeline, all as more fully described herein.

Northern respectfully requests that the Commission act expeditiously and publish promptly in the Federal Register a Notice of this request, in accordance with Section 157.205 of the Commission's Regulations, setting a 60-day deadline for the filing of protests or interventions to this request. Northern further requests that, if no protests are timely filed or if such protests are withdrawn, the Commission allow the proposal to be authorized in accordance with section 157.205 of the Commission's Regulations.

Respectfully submitted,
NORTHERN NATURAL GAS COMPANY

/s/ Donna Martens

Donna Martens,
Senior Regulatory Analyst

VERIFICATION

STATE OF NEBRASKA §

COUNTY OF DOUGLAS §

Donna Martens, being duly sworn on oath, states that she is Senior Regulatory Analyst for Northern Natural Gas Company, that she is authorized to execute this Verification, that she has read the above and foregoing filing and is familiar with the contents thereof, and that all allegations and facts contained therein are true and correct to the best of her knowledge, information and belief, that the affected state commissions, the Minnesota Public Utilities Commission and the Nebraska Public Service Commission have been mailed a copy of this request, and that the activities proposed therein comply with the requirements of Subpart F of Part 157 of the Regulations under the Natural Gas Act.



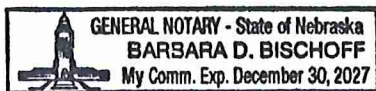
Donna Martens,
Sr. Regulatory Analyst

SWORN TO AND SUBSCRIBED before me on the 7 day of March 2024

/s/ : 

Notary Public in and for
State of Nebraska

My Commission expires: Dec. 30, 2027



NOTICE OF REQUEST

UNITED STATES OF AMERICA
Before the
FEDERAL ENERGY REGULATORY COMMISSION

In the Matter of §
§ Docket No. CP24- -000
NORTHERN NATURAL GAS COMPANY §

NOTICE OF REQUEST

Take notice that on , 2024, Northern Natural Gas Company (Northern), 1111 South 103rd Street, Omaha, Nebraska 68124, filed in Docket No. CP24- -000 a request pursuant to Northern's blanket authority granted September 1, 1982, at Docket No. CP82-401-000 and sections 157.205, 157.208, 157.210, and 157.216 of the Commission's Regulations for authorization to (1) construct and operate an approximately 4.53-mile extension of its 16-inch-diameter MNM80511 C-line and associated appurtenant aboveground facilities in Martin County, Minnesota; (2) construct and operate the Columbus branch line tie-over regulator facility in Dodge County, Nebraska; and (3) remove small segments of pipeline, all as more fully set forth in the request, which is on file with the Commission and open to public inspection.

Any questions regarding this request should be directed to Donna Martens, Senior Regulatory Analyst, Northern Natural Gas, 1111 South 103rd Street, Omaha, Nebraska 68124, or at (402) 398-7138.

This filing is available for review at the Commission or may be viewed on the Commission's web site at www.ferc.gov using the "eLibrary" link. Enter the docket number excluding the last three digits in the docket number field to access the

document. For assistance, please contact FERC Online Support at FERCOnlineSupport@ferc.gov or toll-free at (866) 208-3676, or for TTY, contact (202) 502-8659.

Comments, protests and interventions may be filed electronically via the internet in lieu of paper. See 18 CFR § 385.2001(a)(1)(iii) and the instructions on the Commission's website under the "e-Filing" link. The Commission strongly encourages intervenors to file electronically.

Any person or the Commission's staff may, within 60 days after issuance of the instant notice by the Commission, file pursuant to Rule 214 of the Commission's Procedural Rules (18 CFR § 855.214) a motion to intervene or notice of intervention and pursuant to Section 157.205 of the Regulations under the Natural Gas Act (18 CFR § 157.205) a protest to the request. If no protest is filed within the time allowed, the proposed activity shall be deemed to be authorized effective the day after the time allowed for filing a protest. If a protest is filed and not withdrawn within 30 days after the time allowed for filing a protest, the instant request shall be treated as an application for authorization pursuant to Section 7 of the Natural Gas Act.

Comment Date:

Debbie-Anne Reese, Secretary

ATTACHMENT A
Pipeline Specifications

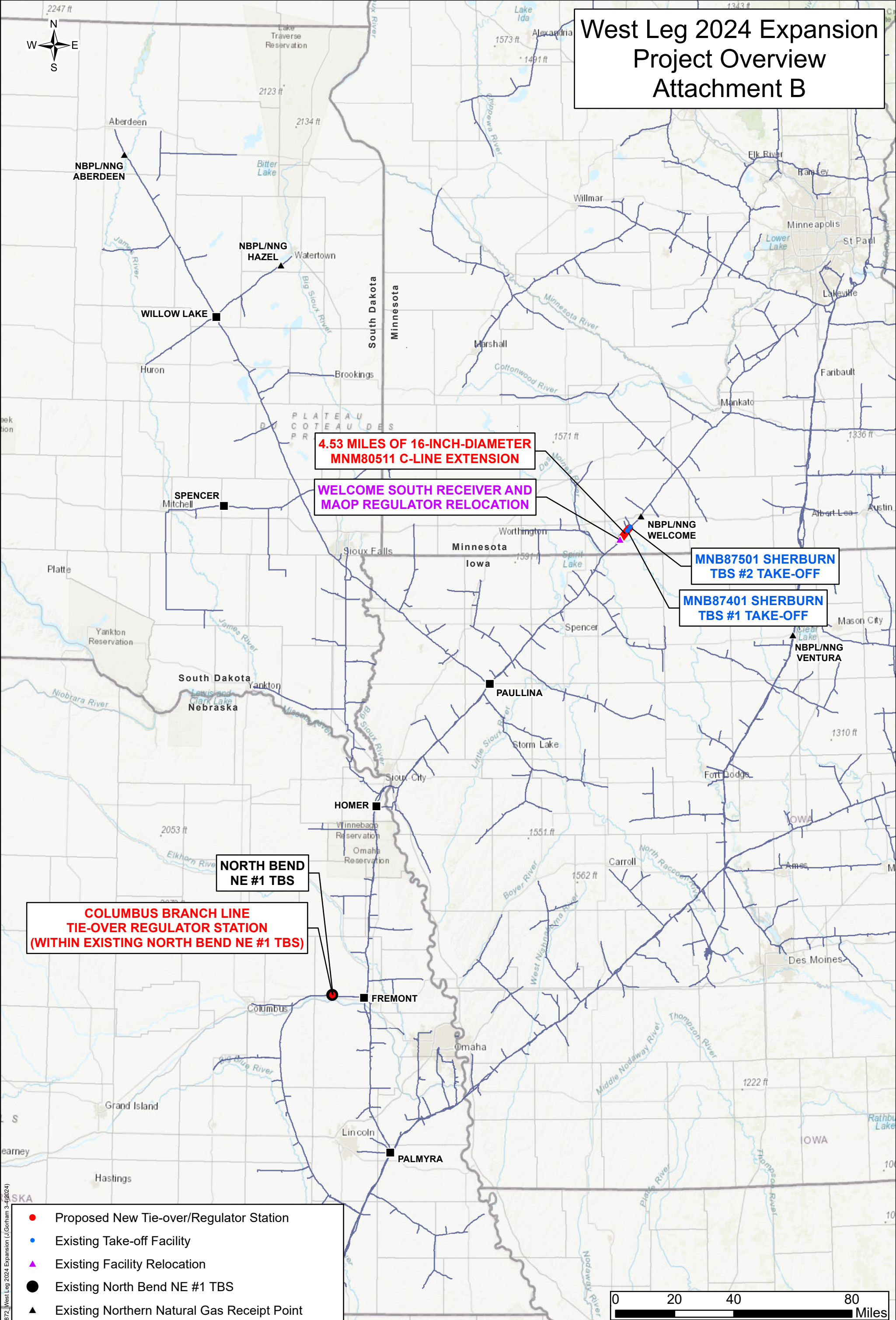
ATTACHMENT A

4.53 miles of 16-inch-diameter pipeline extension beginning at Northern's existing Welcome South Receiver and MAOP Regulator facility in Martin County, Minnesota, and paralleling Northern's existing MNM80501 B-line, terminating at Northern's relocated Welcome South Receiver and MAOP Regulator facility.

Facilities	Nominal Diameter (inches)	Wall Thickness (inches)	Material Specification	Min. Yield Strength (PSI)	MAOP (PSIG)	Design Factor
MNM80511 C-line Extension Line Pipe	16	0.375	API5L	65,000	1440	0.48
MNM80511 C-line Extension Drill Pipe	16	0.375	API5L	65,000	1440	0.48

ATTACHMENT B
Location of Facilities

West Leg 2024 Expansion Project Overview Attachment B



**4.53 MILES OF 16-INCH-DIAMETER
MNM80511 C-LINE EXTENSION**

**WELCOME SOUTH RECEIVER AND
MAOP REGULATOR RELOCATION**

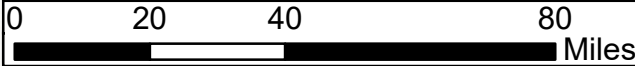
**MNB87501 SHERBURN
TBS #2 TAKE-OFF**

**MNB87401 SHERBURN
TBS #1 TAKE-OFF**

**NORTH BEND
NE #1 TBS**

**COLUMBUS BRANCH LINE
TIE-OVER REGULATOR STATION
(WITHIN EXISTING NORTH BEND NE #1 TBS)**

- Proposed New Tie-over/Regulator Station
- Existing Take-off Facility
- ▲ Existing Facility Relocation
- Existing North Bend NE #1 TBS
- ▲ Existing Northern Natural Gas Receipt Point
- Existing Northern Natural Gas Compressor Station
- Proposed New Pipeline
- Existing Northern Natural Gas Pipeline



This map is and shall remain the property of Northern Natural Gas Company and is provided to you for general informational purposes only. It may not be used, distributed or reproduced for any other purpose without the prior written consent of Northern. This map depicts the approximate location of certain Northern Natural Gas facilities, but should not be used for line locating purposes. Please call the state one-call toll free number to arrange for the marking of underground facilities at no charge. In case of a natural gas emergency involving Northern's facilities, dial 911 and Northern's Operations Communication Center at 888-367-6671.



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ATTACHMENT C
Estimated Costs

ATTACHMENT C

NORTHERN NATURAL GAS COMPANY
WEST LEG 2024 EXPANSION
ESTIMATED PROJECT COSTS

<u>Description</u>	<u>Costs</u>
Material	\$ 3,023,894
Labor	\$ 13,683,905
Other Allocable Costs	<u>\$ 1,435,716</u>
Total Costs	\$ 18,143,515

ATTACHMENT D
Flow Diagram

See Volume II, designated as “CEII,” for the flow diagrams reflecting the existing and proposed facilities.

ATTACHMENT E
Environmental Resource Reports

Filed as separate volume