



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

January 22, 2015

Public Utilities Commission
Capitol Building, 1st floor
500 E. Capitol Ave.
Pierre, SD 57501-5070

RECEIVED

JAN 26 2015

**SOUTH DAKOTA PUBLIC
UTILITIES COMMISSION**

Re: Northern Natural Gas Company
West Leg 2015 Expansion
Docket No. CP15-61-000

Dear Sir:

Attached for your information is a copy of Northern Natural Gas Company's (Northern) request to construct and abandon certain facilities within the state of South Dakota. Northern is providing you a copy of the filing for information only and does not require any actions from you at this time. The attached was filed with the Federal Energy Regulatory Commission January 20, 2015. Any questions regarding the filing should be directed to the undersigned at (402) 398-7103.

Respectfully submitted,

Michael T. Loeffler
Sr. Director, Certificates and External Affairs



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

January 20, 2015

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Dear Ms. Bose:

Northern Natural Gas Company (Northern) hereby submits for filing, pursuant to Northern's blanket authority granted on September 1, 1982, at Docket No. CP82-401-000 and sections 157.205, 157.208 and 157.216 of the Commission's Regulations, its request for authorization to: (1) construct and operate a new 1,590-horsepower (HP) Willow Lake compressor station, (2) install and operate a new Watertown branch line takeoff and associated lateral, (3) construct and operate a new interconnect with Northern Border Pipeline Company (NBPL) and (4) abandon short segments of pipeline. The facilities are located within the state of South Dakota.

The filing is comprised of the following:

Application

- This transmittal letter
- Prior-notice filing
- Federal Register Notice
- Attachments A, B, C, F and Y

Volume II (Critical Energy Infrastructure Information – CEII)

- Appendix 1C (Willow Lake Compressor Station Plot Plan)
- Attachment D (Flow Diagrams and Data)

Volume III (Privileged Other Non-Public)

- RR1 Appendix 1E (Landowner Listing)

- RR4 Appendix 4A (Cultural Resources Report)

Volume IV (Resource Reports)

Due to the sensitive nature of the plot plan for the Willow Lake compressor station (Appendix 1C) and the flow diagrams depicting Northern's system (Attachment D), Northern has segregated this information and labelled it "Contains Critical Energy Infrastructure Information – Do Not Release." The cultural resource survey report and landowner listing have been segregated and labelled "Contains Privileged Information – Do Not Release." Northern respectfully requests that this 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:

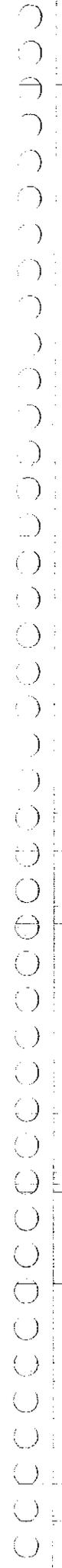
Dari Dornan
Senior Counsel
Northern Natural Gas Company
1111 South 103 Street
Omaha NE 68124
Telephone: (402) 398-7077
Fax: (402) 398-7426
Email: dari.dornan@nngco.com

Two complete copies of the filing are being delivered to the Office of Energy Projects, Room 62-46. Any questions regarding this filing should be directed to the undersigned at (402) 398 7103.

Respectfully submitted,

/signed/ Michael T. Loeffler

Michael T. Loeffler
Senior Director, Certificates and External Affairs



NORTHERN NATURAL GAS COMPANY

REQUEST FOR AUTHORIZATION

UNDER THE BLANKET CERTIFICATE

Docket No. CP15- -000

Date filed:

located at 1111 South 103rd 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, North Dakota, South Dakota and Louisiana.

II.

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

Laura Demman, Vice President
Regulatory and Government Affairs
Northern Natural Gas Company
P.O. Box 3330
Omaha, Nebraska 68103-0330
Phone: (402) 398-7278
FAX: (402) 398-7006
Email: laura.demman@nngco.com

* Dari R. Dornan
Senior Counsel
Northern Natural Gas Company
P.O. Box 3330
Omaha, Nebraska 68103-0330
Phone: (402) 398-7077
FAX: (402) 398-7426
Email: dari.dornan@nngco.com

* Michael T. Loeffler, Senior Director
Certificates and External Affairs
Northern Natural Gas Company
P.O. Box 3330
Omaha, Nebraska 68103-0330
Phone: (402) 398-7103
FAX: (402) 398-7592
Email: mike.loeffler@nngco.com

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

III.

Northern hereby requests authorization to: (1) construct and operate a new 1,590-horsepower (HP) Willow Lake compressor station; (2) install and operate a new Watertown branch line takeoff and lateral; (3) construct and operate a new interconnect with Northern Border Pipeline Company (NBPL); and (4) abandon short segments of pipeline. The facilities are located within the state of South Dakota.

From August 4, 2014, through August 8, 2014, Northern held an open season to identify and quantify market growth opportunities, to solicit interest for firm transportation service, and to identify the need to construct facilities necessary to deliver firm transportation service to Northern's West Leg system for service commencing on or after November 1, 2015.¹

The proposed Project facilities are being constructed to meet customer requests received during the open season. The open season resulted in an incremental annual entitlement totaling 31,550 Dth/day among six customers.² The proposed facilities are required to serve markets for industrial, commercial and residential use that cannot be met by Northern's existing infrastructure. The Project, as proposed, will allow Northern to transport the incremental load through the addition of greenfield compression and construction of a new interconnect on Northern's existing system.

In addition to the facilities proposed herein, Northern will also install modifications to (1) an existing block valve on its Paullina to Aberdeen branch line; (2) its existing Paullina

¹ The final contracts include service commencing November 1, 2015, and January 1, 2016. Those contracts dependent on the prior-notice facilities are effective January 1, 2016.

² The six customers also were participants in a Zone ABC 2014-15 Expansion open season held June 2, 2014, through June 30, 2014, which resulted in 33,550 Dth/day of incremental contracted volume located in other areas of Zone ABC.

compressor station; and (3) eight town border stations – pursuant to section 2.55(a) of the Commission’s regulations and/or the automatic provisions of its blanket certificate. The estimated cost to construct these modifications is estimated at approximately \$2.0m. Each of these projects is separately used and useful for the transportation of natural gas.

Approximately 87 percent of the MDQ, or 27,450 Dth/day, will be used by Northern’s customer, MidAmerican Energy Company, to meet residential and commercial growth demands. The remaining approximately 13 percent of MDQ, or 4,100 Dth/day, will be used by the other project participants to meet growing energy demands for residential, commercial and industrial uses. This includes the delivery of natural gas to heat homes and businesses and to supply natural gas for appliance and machinery operation and for industrial plant operations. The Project is designed to optimize the placement of facilities to meet customer needs. This Project achieves expansion efficiencies and minimizes environmental impacts in comparison to other analyzed pipeline route options, as more fully discussed in Resource Report 10.

IV.

Northern proposes to construct the following facilities:

Willow Lake Compressor Station:

Northern proposes to construct and operate a greenfield compressor station in Section 15, Township 113 North, Range 57 West (Section 15, T113N, R57W), Clark County, South Dakota. Plans include installation of a (1) Solar Saturn 20 T1602 gas turbine driving a C40 series compressor with an ISO rating of 1,590 HP and (2) new Watertown branch line (SDB92701) takeoff with a new above-grade valve setting. The

station will be connected to Northern's existing 10-inch-diameter Paullina to Aberdeen branch line (SDM90801).

The proposed compressor station includes an actuated block valve, actuated station suction and discharge valves, actuated unit suction and discharge side valves, a station suction scrubber, a station recycle valve, a lube oil cooler, a blowdown silencer, an exhaust system, a backup generator, an inlet air filter, a fuel gas conditioning skid, a fire/gas detection system, an air compressor and air dryer, compressor and auxiliary buildings and associated above-grade and below grade piping and valves, and a septic system. The compressor building will contain noise-attenuating panels, insulation, and inlet/exhaust hoods. An approximately 25-foot-long segment of the Paullina to Aberdeen branch line will be removed to accommodate the installation of the new Watertown takeoff and compressor station block valve and station side valves. A 20-foot wide permanent driveway will be constructed to allow access to the compressor station from Highway 38. Security fencing will surround the perimeter of the station.

In addition to the compressor station facility, a new Watertown branch line takeoff will be installed at the suction side of the new compressor station on the Paullina to Aberdeen branch line with an 8-inch-diameter lateral extending approximately 580 feet to the existing 8-inch-diameter Watertown branch line. Northern will utilize approximately 140 feet of temporary bypass pipeline to maintain service while the lateral is tied into the existing pipeline. Approximately 560 feet of the existing Watertown branch line will be abandoned in place and 20 feet will be abandoned by removal. The abandonment will occur from the point where the new piping ties into the Watertown branch line extending southwest to the existing takeoff valve on the Paullina to Aberdeen branch line, eliminating

the unused pipeline segment resulting from the new lateral. The abandonment of this short segment of pipeline will have no impact on Northern's existing customers.

As a result of the new pipeline segment, the existing Watertown takeoff valve located in Section 22, T113N, R57W, Clark County, South Dakota, will be removed. Northern may utilize approximately 20 feet of temporary bypass pipeline to maintain service during removal of the existing valve and approximately 200 feet of temporary bypass pipeline for the takeoff and block valve setting inside the compressor station yard.

Northern will construct the new compressor station on an approximately 3.47-acre piece of land that Northern will own. The site is irregularly shaped and measures approximately 400 feet by 410 feet. Northern will also purchase 2.41 acres between the south side of the proposed station site and Highway 38. With the exception of the two 50-foot access roads, the 2.41 acres will not be used for construction activities for this project and will not be used in the future until any applicable permits are received. The new pipeline will be installed in accordance with an existing easement with the landowner. The pipeline lateral will require a 50-foot-wide permanent easement during operation.

Northern is proposing to use an 800-foot by 600-foot temporary workspace for the compressor station, as well as two 50-foot by 250-foot temporary access roads. Northern will also be utilizing a 75-foot-wide construction ROW and ETWS in order to accommodate construction activities of the 8-inch-diameter lateral pipeline. Access to the construction area will be obtained from existing public roads.

Hazel Interconnect:

The Hazel Interconnect consists of approximately 1,100-foot of an 8-inch-diameter lateral pipeline connecting Northern's existing 8-inch-diameter Watertown branch line

(SDB92701) to a new interconnect point to receive natural gas from NBPL's existing 42-inch-diameter pipeline. The Interconnect is located in Section 21, T116N, R53W, Codington County, South Dakota. Northern will construct, own and operate the lateral, pressure regulation, overpressure protection and an above-grade manual valve setting to tie the lateral into its Watertown branch line. Northern is proposing to use a 75-foot-wide construction ROW for the installation of the pipeline lateral. Northern is also proposing to use two ETWS at each end of the new pipeline lateral, one on the western end measuring 200 feet by 200 feet and the other on the eastern end measuring 300 feet by 300 feet to accommodate construction of the pipeline lateral, receipt facility and valve setting.

The new pipeline lateral will be installed in accordance with an existing easement with the landowner. The pipeline lateral will require a 50-foot-wide permanent easement during operation. An above-grade, manually operated valve setting contained within a rail-guarded lot, measuring approximately 15-foot by 10-foot with a 20-foot-wide permanent drive will be located at the west end of the lateral

NBPL will install an ultrasonic meter, associated manually-operated valves, an automated flow control valve and required electronic flow measurement equipment at the interconnect location. Sensitive equipment will be located in buildings or enclosures. Northern will own these facilities. The operation footprint of the interconnect facility will be approximately 100-foot by 150-foot, and includes a 20-foot-wide permanent drive located on the east end of the new lateral. NBPL will use the 300 feet by 300 feet ETWS on the east end of the Interconnect for construction of this facility. Northern will own the facility; however, NBPL will construct the facility and be responsible for operations.

Miscellaneous

The location and design of the facilities described above as well as the construction work spaces and access roads are shown in more detail on U.S. 7.5-minute geological topographic maps (topo maps) and aerial photographs provided in Resource Report 1.

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 modifications are included as Attachment D in Volume II and labeled "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 \$15.8m. A cost breakdown is included as Attachment C. Accounting entries for the short segments of pipeline to be replaced and/or abandoned are attached as Attachment Y.

V.

The proposed facilities have been designed and will be constructed in a manner that will minimize environmental impacts. Northern will be utilizing a construction corridor of 75 feet in width for the pipeline laterals.

The proposed pipelines will be installed within existing easements. The pre-existing easements are for entire sections of the land (blanket easements), allowing for flexibility in the final placement of the pipeline in accordance with landowner preferences.

All landowners along the project area were notified prior to conducting the necessary surveys. The majority of the land use impacted by the project consists of farmland and/or pasture. Disruption of the agricultural lands should only occur during the construction phase, after which the surface will be restored to allow the resumption

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 application, or at the time it initiates easement negotiations, whichever is earlier.

VIII.

This application is a request for authorization pursuant to Sections 157.205, 157.208 and 157.216 of the Commission's Rules and Regulations (18 CFR §§ 157.205, 157.208 and 157.216). Reference is made below to additional information required by Sections 157.205, 157.208 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 APPLICATION. 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 (CEII).
Attachment E	ENVIRONMENTAL REPORT Attached hereto.

Attachment Y Accounting Entries

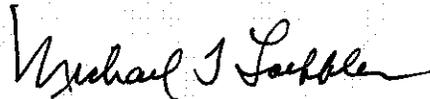
Attached hereto

IX.

W H E R E F O R E, Northern herein respectfully requests that the Commission grant to Northern, pursuant to Sections 157.205, 157.208 and 157.216 of the Commission's Regulations and Northern's Blanket Certificate granted on September 1, 1982, at Docket No. CP82-401-000, authority to: (1) construct and operate a new 1,590-horsepower (HP) Willow Lake compressor station; (2) install and operate a new Watertown branch line takeoff and associated lateral; (3) construct and operate a new interconnect with NBPL; and (4) abandon short 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



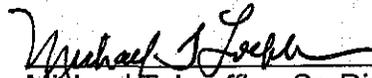
Michael T. Loeffler, Senior Director
Certificates and External Affairs

VERIFICATION

STATE OF NEBRASKA §

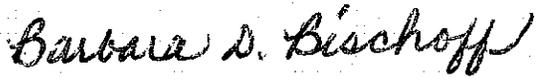
COUNTY OF DOUGLAS §

Michael T. Loeffler, being duly sworn on oath, states that he is Senior Director of Certificates and External Affairs for Northern Natural Gas Company, that he is authorized to execute this Verification, that he 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 his knowledge, information and belief, that the affected state commission, the South Dakota Public Utilities Commission, has 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.

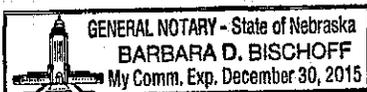


Michael T. Loeffler, Sr. Director
Certificates and External Affairs

SWORN TO AND SUBSCRIBED before me on the 20th day of January 2015

Is /: 
Notary Public in and for
State of Nebraska

My Commission expires:



Notice

NOTICE OF APPLICATION

UNITED STATES OF AMERICA
Before the
FEDERAL ENERGY REGULATORY COMMISSION

In the Matter of

NORTHERN NATURAL GAS COMPANY§

§

§ Docket No. CP15- -000

NOTICE OF APPLICATION

Take notice that on , 2015, Northern Natural Gas Company (Northern), 1111 South 103rd Street, Omaha, Nebraska 68124, filed in Docket No. CP15- -000 an application pursuant to Northern's blanket authority granted on September 1, 1982, at Docket No. CP82-401-000 and sections 157.205, 157.208 and 157.216 of the Commission's Regulations for authorization to: (1) construct and operate a new 1,590-horsepower (HP) Willow Lake compressor station; (2) install and operate a new Watertown branch line takeoff and lateral; (3) construct and operate a new interconnect with Northern Border Pipeline Company (NBPL); and (4) abandon short 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 application should be directed to Michael T Loeffler, Senior Director, Certificates and External Affairs for Northern, 1111 South 103rd Street, Omaha, Nebraska 68124, at (402) 398-7103.

This filing is available for review at the Commission or may be viewed on the Commission's web site at www.ferc.fed.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 web site 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, therefore, 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.

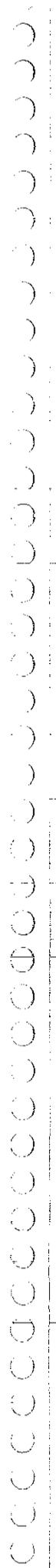
Comment Date:

Kimberly D. Bose, Secretary

ATTACHMENT A
Pipeline Specifications

**NORTHERN NATURAL GAS COMPANY
PROPOSED MINIMUM PIPELINE SPECIFICATIONS**

Facilities	Nominal Wall (inches)	Wall Thickness (inches)	Material Specification	Min. Yield Strength (PSI)	MAOP (PSIG)	Design Factor
Hazel Interconnect Lateral	8.625	0.322	Grade B	35,000	800	0.5
Watertown BL Relocation	8	0.322	Grade B	35,000	800	0.5



ATTACHMENT B
Location of Facilities

Proposed
NBPL/NNG Hazel
Interconnect

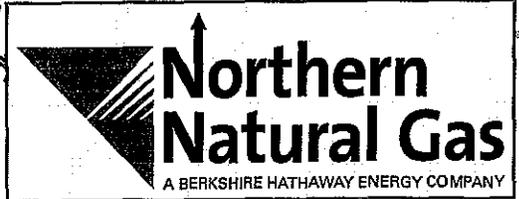
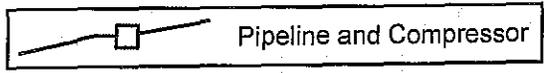
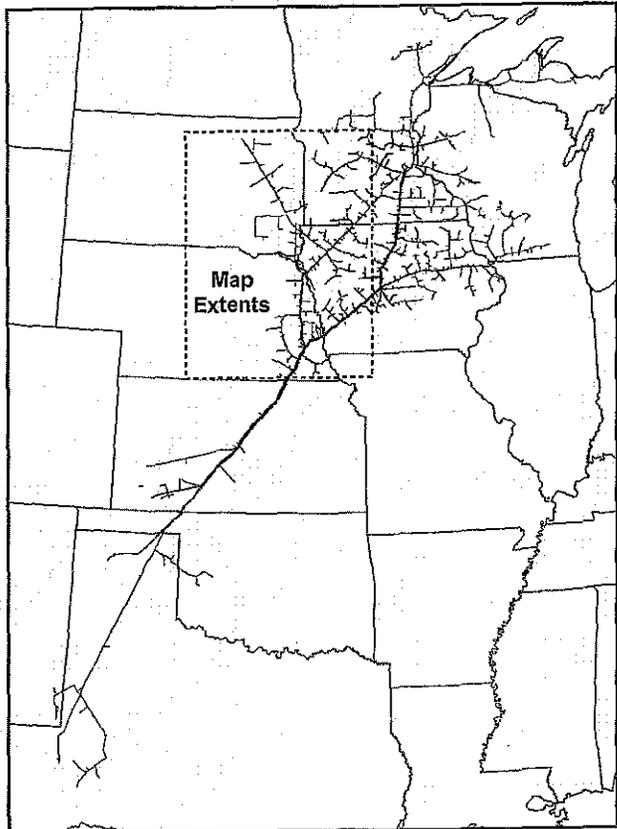
Proposed
Willow Lake
Compressor

South Dakota

Minnesota

Iowa

Nebraska

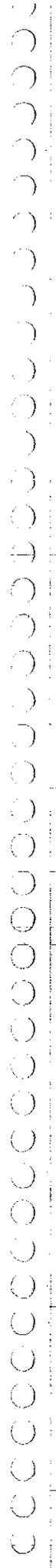




ATTACHMENT C
Estimated Costs

**NORTHERN NATURAL GAS COMPANY
WEST LEG 2015 EXPANSION
ESTIMATED PROJECT COSTS**

<u>Description</u>	<u>Costs</u>
Material	\$4,954,745
Labor	\$4,557,726
Other Allocable Costs	<u>\$6,240,529</u>
Total Costs	\$15,753,000



ATTACHMENT D
Flow Diagram

See Volume II, "CEII," for the flow diagrams reflecting the existing and proposed facilities.

Attachment B

ATTACHMENT E
Environmental Report

ATTACHMENT Y
Accounting Entries

