

July 1, 2016

**HAND-DELIVERED**

Mr. Darrell Nitschke  
Executive Secretary  
North Dakota Public Service Commission  
600 E. Boulevard, Dept. 408  
Bismarck, ND 58505



**RE: Targa Badlands LLC's Ten-Year Plan for 2016-2026  
Case No. PU-16-\_\_\_**

Dear Mr. Nitschke:

Please find enclosed herewith for filing an original and ten copies of the following:

1. Targa Badlands LLC's 2016 Ten-Year Plan; and
2. Targa Badlands LLC's Notice of Filing Ten Year Plan: 2016-2026.

A CD containing a copy of each of the above-referenced documents in PDF format is also enclosed. Should you have any questions, please advise.

Sincerely,

A handwritten signature in blue ink that reads "Danielle Krause".

DANIELLE M. KRAUSE

Enclosures

cc: Taylor Holcomb – (w/encl. – via e-mail)

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Bismarck, Nor  
58501-1215

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**PU-16-474**  
**2016 Ten Year Plan**

Filed: 7/1/2016

Pages: 13

**TARGA BADLANDS LLC**

**TEN YEAR PLAN  
NORTH DAKOTA**

July 1, 2016

Targa Badlands LLC  
Ten Year Plan North Dakota  
July 1, 2016

**Section A: Existing Energy Conversion Facilities**

**Part I - Little Missouri Gas Plant (LMGP I, II & III)**

1. LMGP I & II are located in Township 149N, Range 98W, Section 30, south of Watford City. LMGP III is located in Township 149N, Range 98W, Section 29, south of Watford City.
2. The plants utilize refrigerated processing technology to process field gas high in natural gas liquids (NGLs). The process involves separating overhead gas and NGLs and processing NGLs through a deethanizer. The NGL products are normally transported off site by pipeline for sale. The residue gas is added to the Northern Border Pipeline.

Plant Property Area: 40 acres

Plant Inlet Gas Rate: 50 million standard cubic feet per day (mmscfd)

Maximum Design Operating Pressure: 700 psi

Residue Gas Production: 35 mmscfd

Compressor specifications, including type, horsepower, output pressure and capacity:

- i. Type
  - LM-I:
    - CAT-G342 (225 hp) , CAT-G3408TA (250hp)
    - (2) Waukesha-F3524GSI (840 hp ea.), Waukesha 7042GSIU (1000 hp)
  - LM-II:
    - (6) Toshiba 300 hp ea. Electric,
    - (2) Waukesha 2895G (300 hp ea.),
    - (1) CAT-G3406 TA/LCR (300 hp),
    - (2) Waukesha F3524GSI (840 hp ea.)
  - LM-III:
    - (2) GE 8100 Electric (350 hp ea.)
    - (2) CAT-3516B LE (1380 hp)
    - Toshiba Electric (800 hp)
- ii. Output pressure - 1400 psia
- iii. Total compression horsepower - 11,000 hp

NGL Production: 8,000 standard barrels per day (SBPD)

Plant in-service date: LMGP I, July 2011; LMGP II, November 2013; LMGP III, January 2015.

**Section B: Energy Conversion Facilities Under Construction**

None

**Section C: Proposed Energy Conversion Facilities on Which Construction is Intended Within the Ensuing Five Years**

Targa Badlands LLC planned for a 200 million standard cubic feet per day addition of the "Little Missouri Gas Plant IV". The addition was proposed to be built on Section 29 of Township 149N, Range 98W, south of Watford City. However, given the recent significant decrease in commodity prices and reductions in producer activity, Targa Badlands LLC is still evaluating the appropriate sizing and timing of additional plant capacity and related infrastructure.

**Section D: Proposed Energy Conversion Facilities During The Next Ten-Year Time Period**

Targa Badlands LLC is not currently planning to construct any new gas plants in the next ten years in North Dakota. However, should a business opportunity present itself or should Targa Badlands LLC's evaluation of the Little Missouri Gas Plant IV dictate otherwise, this could change.

**Section E: Existing Transmission Facilities (Electric)**

Targa Badlands LLC is not in the electricity transmission business.

**Section F: Existing Transmission Facilities (Pipeline)**

1. See the attached map of the New Town to Stanley pipeline.
2. The current pipeline system has the following characteristics:
  - a. Current Product type-crude oil
  - b. Length of facility in miles — 31
  - c. Pipe size - 8.625 inches O.D.
  - d. Maximum design pressure – 1440 psig;  
Current maximum operating pressure – 1000 psig
  - e. Maximum design flow rate-48,960 barrels per day (BDP)
  - f. Pumping Station Specifications Including Type, Horsepower, Output Pressure, and Capacity:
    - i) Type-Reda (2) and National (2)
    - ii) Reda - 1000 Horsepower Electric Motor;  
National - 200 Horsepower Electric Motor
    - iii) Maximum Discharge Pressure:  
Reda: 1400 psig (Current: 400 psig)

- iv) National: 160 psig (Current: 120 psig)  
Capacity:  
Reda: 1042 barrels per hour  
National: 2500 barrels per hour
- g. Minimum cover over pipe – 60 inches
- h. New Town ND Terminal: 30,000 barrels of storage capacity and Stanley ND Terminal: 25,000 barrels of storage capacity.

3. The pipeline system and associated pump stations and storage terminals were placed into service in 2013 and 2014.

4. Targa Badlands LLC constructed a pipeline originating in New Town and terminating in Stanley. This pipeline is used to transport crude oil gathered on the Van Hook peninsula for delivery to a third-party transmission pipeline in Stanley for ultimate transport to refiners in the Midwest. The pipeline will remain in crude oil service beyond 2025. There are no facilities contemplated for retirement within the next ten years.

**Section G: Proposed Transmissions Facilities on Which Construction is Intended Within the Ensuing Five Years (Electric)**

This section does not apply to Targa Badlands LLC.

**Section H: Proposed Transmission Facility in Which Construction is Intended Within the Ensuing Five Years (Pipeline)**

Targa Badlands LLC is evaluating projects that would allow deliveries out of its tanks located at its Johnsons Corner terminal to (1) a nearby third-party pipeline and (2) the Targa Badlands LLC Alexander terminal. Targa Badlands LLC is in the preliminary project evaluation stage. However, if these projects are deemed feasible, Targa Badlands anticipates construction beginning within the next five years.

**Section I: Proposed Transmission Facilities During the Next Ten-Year Time Period (Electrical and Pipeline)**

Other than the projects identified above, Targa Badlands LLC is not planning to construct any additional transmission pipelines in the next ten years in North Dakota. However, should a business opportunity present itself, this could change.

**Section J: Regional Coordination**

At this time, Targa Badlands LLC does not expect to require any additional utilities within the state of North Dakota as part of the pipeline construction project. However, should the situation change and additional utilities requirements be

necessary, it is Targa Badlands LLC policy to coordinate and communicate our needs to other utilities at the onset.

**Section K: Environmental Information**

Environmental information gathered and prepared in connection with Targa Badlands LLC's existing route permit and energy conversion facility permit is available.

**Section L: Delivery Volumes**

At the Stanley terminal, the New Town to Stanley pipeline delivers crude oil to a transmission pipeline. The following volumes have been delivered since the commissioning of the pipeline in November 2013:

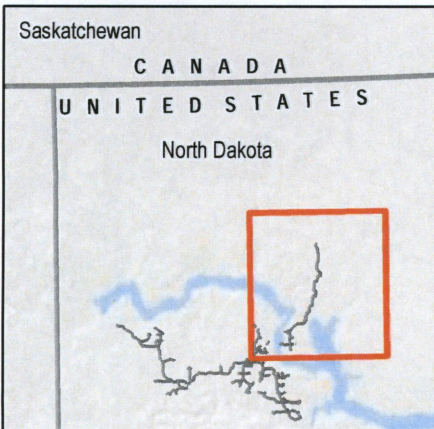
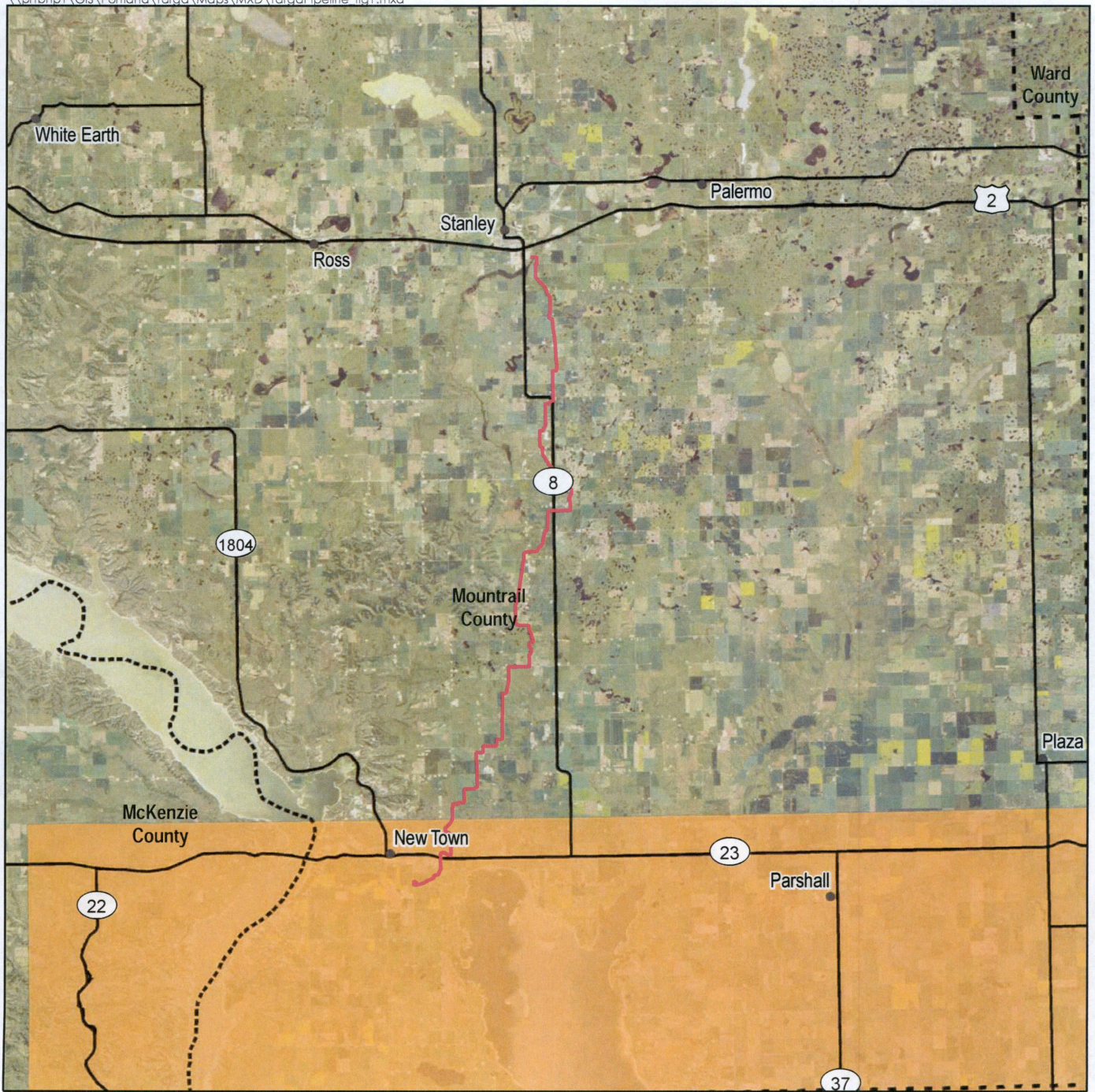
December 2013	66 MBBL <sup>1</sup>
January 2014	169 "
February 2014	140 "
March 2014	153 "
April 2014	197 "
May 2014	254 "
June 2014	292 "
July 2014	269 "
August 2014	317 "
September 2014	326 "
October 2014	336 "
November 2014	322 "
December 2014	478 "
January 2015	400 "
February 2015	324 "
March 2015	354 "
April 2015	413 "
May 2015	380 "
June 2015	365 "
July 2015	369 "
August 2015	344 "
September 2015	303 "
October 2015	291 "
November 2015	252 "
December 2015	253 "
January 2016	263 "

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<sup>1</sup> (MBBL = thousand barrels)

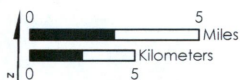
February 2016	265	"
March 2016	270	"
April 2016	275	"
May 2016	262	"

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Source: ESRI 2009, NAIP 2012

- New Town to Stanley Pipeline
- Cities
- Highways
- ▤ Counties
- Fort Berthold Reservation



**Figure 1**  
**New Town to Stanley Pipeline**

North Dakota, United States

April 2014

STATE OF NORTH DAKOTA  
PUBLIC SERVICE COMMISSION

Case No. PU-16-\_\_\_\_\_


IN THE MATTER OF THE FILING OF A TEN  
YEAR PLAN BY TARGA BADLANDS LLC

**NOTICE OF FILING TEN YEAR PLAN  
2016-2026**

**PLEASE TAKE NOTICE** that Targa Badlands LLC, has, this date, in accordance with Section 49-22-04 of the North Dakota Century Code and Chapter 69-06-02 of the North Dakota Administrative Code, filed with the North Dakota Public Service Commission, the McKenzie County, North Dakota Auditor, and the Mountrail County, North Dakota Auditor, a Ten Year Plan for the years 2016 through 2026.

Dated this 1st day of July, 2016.

FREDRIKSON & BYRON, P.A.

By   
LAWRENCE BENDER, ND Bar #03908  
DANIELLE M. KRAUSE, ND Bar #06874  
*Attorneys for Targa Badlands LLC*  
1133 College Drive, Suite 1000  
Bismarck, ND 58501-1215  
(701) 221-8700  
lbender@fredlaw.com  
dkrause@fredlaw.com

**CERTIFICATE OF SERVICE**

I, the undersigned, hereby certify that a true and correct copy of the following document:

**NOTICE OF FILING TEN-YEAR PLAN: 2016-2026**

was on the 1st day of July, 2016 served by placing the same in the United States mail, postage prepaid, properly addressed to the following:

North Dakota Aeronautics Commission  
P.O. Box 5020  
Bismarck, ND 58502-5020

North Dakota Office of Attorney General  
State Capitol  
600 E. Boulevard Ave.  
Dept. 125  
Bismarck, ND 58505

North Dakota Dept. of Agriculture  
600 E. Boulevard Ave.  
Dept. 602  
Bismarck, ND 58505-0020

North Dakota Dept. of Health  
600 E. Boulevard Ave.  
Bismarck, ND 58505-0200

Dept. of Human Services  
600 E. Boulevard Ave.  
Dept. 325  
Bismarck, ND 58505-0250

North Dakota Dept. of Labor  
600 E. Boulevard Ave.  
Dept. 406  
Bismarck, ND 58505-0340

Department of Vocational Education  
c/o Career and Technical Education  
State Capitol, 15th Floor  
600 E. Boulevard Ave., Dept. 270  
Bismarck, ND 58505-0610

North Dakota Dept. of Commerce  
PO Box 2057  
Bismarck, ND 58502-2057

Energy Development Impact Office  
North Dakota State Land Dept.  
P.O. Box 5523  
Bismarck, ND 58506-5523

North Dakota Game and Fish Department  
100 N. Bismarck Expressway  
Bismarck, ND 58501-5095

North Dakota Geological Survey  
600 E. Boulevard Avenue  
Bismarck, ND 58505-0840

Office of Governor Jack Dalrymple  
State of North Dakota  
600 E. Boulevard Ave.  
Bismarck, ND 58505-0001

North Dakota State Highway Department  
115 D Street  
Richardton, ND 58652

North Dakota Department of Transportation  
608 E. Boulevard Ave.  
Bismarck, ND 58505-0700

State Historical Society  
of North Dakota  
612 E. Boulevard Ave.  
Bismarck, ND 58505-0830

North Dakota Indian Affairs Commission  
600 E. Boulevard Ave.  
1st Floor - Judicial Wing, Rm. 117  
Bismarck, ND 58505-0300

Job Service North Dakota  
P.O. Box 5507  
Bismarck, ND 58506-5507

North Dakota State Land Dept.  
1707 North 9th Street  
P.O. Box 5523  
Bismarck, ND 58506-5523

North Dakota Parks and Recreation Dept.  
1600 E. Century Ave., Suite 3  
Bismarck, ND 58503-0649

Division of Community Services  
Dept. of Commerce  
1600 E. Century Ave., Suite 2  
PO Box 2057  
Bismarck, ND 58502-2057

North Dakota State Soil Conservation Committee  
c/o NDSU Extension Service  
2718 Gateway Ave., Suite 104  
Bismarck, ND 58503

North Dakota State Water Commission  
900 E. Boulevard Ave., Dept. 770  
Bismarck, ND 58505-0850

North Dakota Industrial Commission  
600 East Boulevard Ave Dept 405  
Bismarck, ND 58505-0840

United States Department of Defense  
1400 Defense Pentagon  
Washington, DC 20301-1400

United States Fish and Wildlife Service  
North Dakota Field Office  
3425 Miriam Avenue  
Bismarck, North Dakota 58501-7926

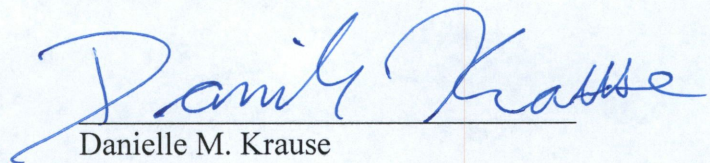
Federal Aviation Administration  
800 Independence Ave, SW  
Washington, DC 20591

North Dakota Transmission Authority  
State Capitol 14th Floor, 600 E. Boulevard Ave. Dept. 405  
Bismarck, ND 58505-0840

North Dakota Pipeline Authority  
State Capitol 14th Floor  
600 E. Boulevard Ave. Dept. 405  
Bismarck, ND 58505-0840

Mountrail County Commission  
PO Box 875  
New Town, ND 58763-0875

McKenzie County Commission  
201 5th St NW, Ste. 543  
Watford City, ND 58854

  
Danielle M. Krause

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