1250 West Century Avenue
Mailing Address:
P.O. Box 5601
Bismarck, ND 58506-5601
(701) 530-1600

August 28, 2020

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street NE, Room 1A
Washington, D.C. 20426

Re: OEP/DPC/CB-2
WBI Energy Transmission, Inc.
Docket No. CP20-52-000
Docket No. CP20-52-001
North Bakken Expansion Project
§ 375.308(x)(3)

Dear Ms. Bose:

WBI Energy Transmission, Inc. (WBI Energy), herewith submits its responses to engineering data requests from Federal Energy Regulatory Commission (Commission) staff of August 19, 2020, in the above referenced dockets.

WBI Energy states that the responses provided herein were prepared by WBI Energy and represent the responses of WBI Energy and not the individual preparer.

Pursuant to 18 CFR § 385.2010 of the Commission's regulations, copies of responses are being served to each person whose name appears on the official service list for this proceeding.

Any questions regarding this filing should be addressed to the undersigned at (701) 530-1563.

Sincerely,

/s/ Lori Myerchin

Lori Myerchin
Director, Regulatory Affairs &
Transportation Services

Attachments

Courtesy Copies: via email
Official Service List
Stefanie R. Schumacher, Project Engineer, FERC

CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing document upon each person designated on the official service list compiled by the Secretary in this proceeding.

Dated this 28th day of August 2020.

By /s/ Lori Myerchin

Lori Myerchin
Director, Regulatory Affairs &
Transportation Services
WBI Energy Transmission, Inc.
1250 West Century Avenue
Bismarck, ND 58503
Telephone: (701) 530-1563

STATE OF NORTH DAKOTA)
COUNTY OF BURLEIGH)

I, Lori Myerchin, being first duly sworn, do hereby depose and say that I am the Director, Regulatory Affairs & Transportation Services for WBI Energy Transmission, Inc.; that I have read the foregoing document; that I know the contents thereof; that I am authorized to execute such document; and that all such statements and matters set forth therein are true and correct to the best of my knowledge, information and belief.

Dated this 28 day of August, 2020.

By Lori Myerchin
Lori Myerchin
Director, Regulatory Affairs & Transportation Services

Subscribed and sworn to before me this 28 day of August, 2020.

Sharon L. Sabo, Notary Public
Burleigh County, North Dakota
My Commission Expires: 02/24/2022

SHARON L SABO
Notary Public
State of North Dakota
My Commission Expires February 24, 2022

FERC Data Request 1:

The amount of expansion capacity at the receipt points in the summer and winter daily design models does not match the contracted amount. Reconcile this discrepancy.

WBI Energy Response 1:

WBI Energy's natural gas transmission system is bi-directional in this area with many receipt and delivery points located along the pipeline. Transportation capacity for the daily design is modeled with the receipt and delivery combinations that result in the highest pressure drop and/or greatest flow on the pipeline; i.e. the worst-case scenario. The volume included at receipt points for each proposed design model is the expansion volume in addition to the existing receipt and delivery combinations that result in the most constrained scenario. The volumes are then grossed up for fuel. The proposed Project is designed to transport an incremental 250,000 mcf per day with 243,000 mcf per day currently contracted. The additional 7,000 mcf per day has been allocated to the Lignite Plant receipt point for the purposes of the design but may be subscribed to other points pending a review of the hydraulic constraints of the pipeline system at the time it is requested.

FERC Data Request 2:

There are two sets of nodes with differing heating values than the rest in the models. Recognizing that WBI Energy's gas composition varies operationally, explain these anomalies.

WBI Energy Response 2:

WBI Energy does not utilize the heating value tracking within WinFlow for modeling. The heating values that are shown in the model are not representative of the actual heating values at those points. Please refer to WBI Energy's response to FERC Data Request 1 of July 30, 2020.

FERC Data Request 3:

WBI Energy's Exhibit G-II states that there is a two percent pressure loss at both the suction and discharge sides of its compressor stations. However, these calculated values are not consistent with the pressure losses set in the model. Reconcile this discrepancy for the operational compressor stations.

WBI Energy Response 3:

WBI Energy utilizes a two percent pressure loss in the detailed analysis of compressor station piping design, compressor sizing, and the evaluation of capacity through the actual compressor facilities when applied to the appropriate load curves. The WinFlow model compressor leg is not utilized to size or configure the compressor units but only to create a calculated estimate of the required power and may contain suction and discharge pressure loss values other than two percent.

FERC Data Request 4:

In the winter daily design models for both existing and proposed operating conditions, there is a node on the western side of WBI Energy's system that changes status. Explain.

WBI Energy Response 4:

The point status change in the model is done to balance the knowns and unknowns in the model. In the winter daily design models either the node on the west or the east side of the system may be set to unknown and used to balance the model.

FERC Data Request 5:

In the summer daily design model for proposed operations, that same node has a significant change in volume not present in all other scenarios. Explain.

WBI Energy Response 5:

WBI Energy's natural gas transmission system is bi-directional in this area with many receipt and delivery points located along the pipeline. Transportation capacity for the daily design is modeled with the receipt and delivery combinations that result in the highest pressure drop and/or greatest flow on the pipeline; i.e. the worst-case scenario. The quantity of gas flowing to this point changes in the summer design of the proposed operations in order to show the most constrained summer scenario when moving gas towards the proposed facilities at the Tioga Compressor Station. The volume at the point does not change from the current to proposed winter operations because the same combination of existing receipt and delivery creates the most constrained scenario for both.

The maximum design capacity models are representative of facility capabilities under favorable conditions for receipt and delivery volumes as well as operating pressures; i.e. the best-case scenario. All maximum models for current and proposed operations are limited at the point by the maximum downstream takeaway capacity. No facilities downstream of the point are being modified so the volume is very similar when comparing current and proposed operations.