



Tennessee Gas Pipeline
Company, L.L.C.
a Kinder Morgan company

March 29, 2019

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

Re: Tennessee Gas Pipeline Company, L.L.C.
Compliance Filing Pursuant to Order No. 587-Y
Docket No. RP19-____-000

Dear Ms. Bose:

Pursuant to Section 4 of the Natural Gas Act (“NGA”), Part 154 of the Regulations of the Federal Energy Regulatory Commission (“Commission”), and in compliance with the Commission’s Final Rule in Docket Nos. RM96-1-041 issued on November 15, 2018 (“Order No. 587-Y”),¹ Tennessee Gas Pipeline Company, L.L.C. (“Tennessee”) hereby submits for filing and acceptance revised tariff records to its FERC Gas Tariff, Sixth Revised Volume No. 1 (“Tariff”), which Tariff records are listed on Appendix A attached hereto. Tennessee proposes that the Tariff records listed in Appendix A be placed into effect on August 1, 2019, consistent with the implementation date established by the Commission in Order No. 587-Y.

Background

On November 15, 2018, the Commission issued Order No. 587-Y amending its regulations to incorporate by reference, with certain enumerated exceptions, the latest version (Version 3.1) of business practice standards adopted by the Wholesale Gas Quadrant (“WGQ”) of the North American Energy Standards Board (“NAESB”) applicable to natural gas pipelines in place of the currently incorporated version (Version 3.0) of those business practice standards. The revisions made by NAESB in Version 3.1 of the standards are designed to clarify the processing of certain business transactions.

NAESB adopted two substantive revisions to its Nominations Related Standards, one to establish a standard rounding process for elapsed-prorated-scheduled quantity calculations and a second to revise the specifications for the information to be included in a nomination request.

¹ Standards for Business Practices of Interstate Natural Gas Pipelines, Order No. 587-Y Final Rule, in Docket No. RM96-1-041, 165 FERC ¶ 61,109 (2018).

NAESB also adopted the following three minor revisions to the WGQ Electronic Delivery Mechanism (“EDM”) Related Standards: (1) it increased the allowable field length in ASCII Comma separated Value Files to 3000 characters; (2) it adopted new Standard 4.3.106 to allow checkboxes and radio buttons in the Transmission Service Providers’ (“TSP”) Electronic Bulletin Boards (“EBB”); and (3) it modified its standards to update the operating systems and web browsers that entities should support on behalf of users. Additionally, NAESB added clarifying language to the Secure Sockets Layer (“SSL”)/Transport Layer Security (“TLS”) protocols.

Other changes adopted by NAESB include changes to the NAESB WGQ data sets and other technical implementation documentation as well as revisions to the Flowing Gas Related data sets and technical implementation. In addition, NAESB revised the Imbalance Trade data set and revised two Sender’s Option data elements. NAESB also adopted revisions to the Capacity Release Related data sets and technical implementation and revised Standard 6.3.1 (i.e., the NAESB Base Contract for Sale and Purchase of Natural Gas) to add language directing users to NAESB’s copyright disclaimer posted on the NAESB website. Identical language was added to three additional NAESB WGQ Contracts. Lastly, NAESB adopted modifications to add a self-identification provision that assists end users in determining whether counterparties are commercial market participants as defined by the United States Commodity Futures Trading Commission.

Order No. 587-Y requires each interstate natural gas pipeline to file a compliance filing with the Commission by April 1, 2019, and each interstate natural gas pipeline is required to comply with the standards incorporated by reference beginning on August 1, 2019.²

Statement of Nature, Reasons, and Basis for the Filing

Compliance with Order 587-Y

In this filing, Tennessee submits for filing and acceptance revised Tariff records in compliance with Order No. 587-Y. Specifically, Tennessee proposes the following:

- a) To revise Article XXXIII, Section 3 of the General Terms and Conditions (“GT&C”) of its Tariff to incorporate by reference the two NAESB Standards adopted by reference in Order No. 587-Y;
- b) To revise Article XXXIII, Sections 1, 2 and 5³ of the GT&C of its Tariff to reflect NAESB WGQ Version 3.1 instead of Version 3.0;

² *See* Order No. 587-Y, at P. 24.

³ In addition, as more fully explained below, Tennessee is also revising Article XXXIII, Section 5 to reflect the most recently Commission order approving a continuation of a waiver to implement NAESB Standard 1.3.80.

- c) To revise Article XXXIII, Section 1 of the GT&C of its Tariff to remove the reference to Minor Corrections marked with an asterisk [*] in Section 3, which are now included in NAESB Version 3.1 as well as to remove the asterisk [*] reference in Article XXXIII, Section 3;
- d) To revise Article XXXIII, Section 2 of the GT&C of its Tariff to update the NAESB Copyright year;
- e) To revise Article III, Section 9 of the GT&C of its Tariff, Tariff Record Fifth Revised Sheet No. 309, Version 5.0.0, to add a reference to NAESB Standard 2.3.11 which was inadvertently omitted in the current Tariff record, and to replace the current text with the verbatim language from NAESB Standard 2.3.11.

Request for Extension of time to Implement NAESB Standard 1.3.80

On September 25, 2002, the Commission granted Tennessee a temporary waiver of NAESB 1.5 EDI/EDM data set requirements that were not being used by Tennessee's customers.⁴ The Commission granted Tennessee an extension of time to comply with a NAESB data set for up to 90 days from the date any person first requests use of a NAESB data set that Tennessee does not currently support. Since then, the Commission has re-approved this waiver, most recently in its March 29, 2016 order,⁵ which approved Tennessee's tariff filing implementing NAESB Version 3.0 in compliance with the Commission's Order No. 587-W. Tennessee has not received a request from any party to receive information pursuant to these data sets. Therefore, Tennessee respectfully requests a continuation of the existing extension of time to implement the currently unutilized EDI/EDM data sets within NAESB Version 3.1 to within 90 days of the receipt of such a request. A 90-day period is consistent with prior extensions and will allow time for Tennessee to revise, test, and implement any requested data set(s).

Materials Enclosed

In accordance with the applicable provisions of Part 154 of the Commission's regulations, Tennessee provides an eTariff .xml filing package containing:

- (1) A transmittal letter in PDF format;
- (2) Tariff records in RTF format with metadata attached;
- (3) A clean and marked version of the Tariff records in PDF format for posting on eLibrary; and

⁴ *Tennessee Gas Pipeline Co.*, 100 FERC ¶ 61,340 (2002).

⁵ *Tennessee Gas Pipeline Co.*, Docket No. RP16-567-000 (March 29, 2016) (unpublished letter order).

- (4) A copy of the entire filing in PDF format for posting on eLibrary.

Service and Correspondence

The undersigned certifies that a copy of this filing has been served electronically pursuant to 18 C.F.R. § 154.208 on Tennessee's customers and affected state regulatory commissions. A paper copy of this filing may only be served if a customer has been granted waiver of electronic service pursuant to 18 C.F.R. Part 390 of the Commission's regulations. In addition, an electronic copy of this filing is available for public inspection during regular business hours in Tennessee's office at 1001 Louisiana Street, Suite 1000, Houston, Texas 77002.

Pursuant to 18 C.F.R. § 385.2005 and § 385.2011(c)(5) of the Commission's regulations, the undersigned has read this filing and knows its contents, and the contents are true as stated, to the best knowledge and belief of the undersigned.

The names, titles, and mailing addresses of the persons to whom correspondence and communications concerning this filing should be directed are as follows:

* Tony Sala
Assistant General Counsel
Tennessee Gas Pipeline Company, L.L.C.
1001 Louisiana Street, Suite 1000
Houston, TX 77002
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* Carlos Oblitas
Director, Rates and Regulatory Affairs
Tennessee Gas Pipeline Company, L.L.C.
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Houston, TX 77002
Telephone: (713) 420-5771
carlos_oblitas@kindermorgan.com

* Persons designated for service in accordance with Rule 2010 of the Commission's Rules of Practice and Procedure, 18 C.F.R. § 385.2010. Additionally, service via email is requested in lieu of paper copies.

Effective Date and Waivers

Tennessee respectfully requests all waivers of the Commission's regulations, to the extent necessary, for the Commission to accept and approve the proposed Tariff records listed on Appendix A to become effective on August 1, 2019, consistent with the implementation date established by the Commission in Order No. 587-Y.

Pursuant to Section 154.7(a)(9) of the Commission's regulations, Tennessee hereby moves to place the revised Tariff records into effect on the requested effective date. Additionally, pursuant to Section 18 C.F.R. § 154.206(b) of the Commission's regulations, Tennessee hereby requests the Commission to accept the Tariff records without suspension in order for these Tariff records to go into effect on the requested effective date. If the Commission conditions the acceptance of this filing in any way, Tennessee reserves the

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right to withdraw the proposed Tariff records or to file a later motion to place such Tariff records into effect at a later date.

Any questions regarding this filing may be directed to the undersigned at (713) 420-5771.

Respectfully submitted,

TENNESSEE GAS PIPELINE COMPANY, L.L.C.

By: /s/ *Carlos Oblitas*
Carlos J. Oblitas
Director, Rates and Regulatory Affairs

Enclosures

APPENDIX A

NAESB, Version 3.1

Tariff Records

Tennessee Gas Pipeline Company, L.L.C.

FERC Gas Tariff

Sixth Revised Volume No. 1

Proposed Effective Date: August 1, 2019

| Section Title | | | |
|-------------------------------|--------------------------------|---------------------|---------|
| Narrative Name | Record Contents Description | Tariff Record Title | Version |
| Fifth Revised Sheet No. 309 | Sheet No. 309 | | 5.0.0 |
| Fifth Revised Sheet No. 394 | Sheet No. 394 | NAESB Standards | 5.0.0 |
| Fourth Revised Sheet No. 394A | Sheet No. 394A | | 4.0.0 |
| Fourth Revised Sheet No. 394B | Sheet No. 394B | | 4.0.0 |
| Second Revised Sheet No. 394H | Sheet No. 394H | | 2.0.0 |

CLEAN TARIFF SHEETS / RECORDS

GENERAL TERMS AND CONDITIONS (continued)

III. MEASUREMENT AND MEASURING EQUIPMENT (continued)

6. Care required: All installations of measuring equipment applying to or affecting deliveries of gas shall be made in such manner as to permit an accurate determination of the quantity of gas delivered and ready verification of the accuracy of measurement. Care shall be exercised by both parties in the installation, maintenance and operation of pressure regulating equipment so as to prevent any inaccuracy in the determination of the volume of gas delivered under the gas sales contract or the transportation contract.
7. Calibration and test of meters: The accuracy of Transporter's, Shipper's or Operator's measuring equipment shall be verified at reasonable intervals, and if requested, in the presence of representatives of Transporter, Shipper or Operator but no party shall be required to verify the accuracy of equipment more frequently than once in any thirty-day period. In the event that a party shall notify the others that it desires a special test of any measuring equipment the parties shall cooperate to secure a prompt verification of the accuracy of such equipment. The expense of any special test shall be borne by the requesting party if the measuring equipment tested is found to be in error by not more than two percent.

If, upon testing, any measuring equipment is found to be in error by not more than two percent, previous recordings of such equipment shall be considered accurate in computing deliveries of gas, but such equipment shall be adjusted at once to record accurately.

If, upon test, any measuring equipment shall be found to be inaccurate by an amount exceeding two percent, at a recording corresponding to the average hourly rate of flow for the period since the last preceding test, then any previous recordings of such equipment shall be corrected to zero error for any period which is known definitely, but in case the period is not known or agreed upon, such correction shall be for a period extending over one-half of the time elapsed since the date of the last test, not exceeding a correction period of sixteen days.
8. Correction of metering errors - failure of meters: In the event a meter is out of service, or registering inaccurately, the volume of gas delivered shall be determined:
 - (a) by using the registration of any check meter or meters, if installed and accurately registering, or, in the absence of (a);
 - (b) by correcting the error if the percentage of error is ascertainable by calibration, tests, or mathematical calculation, or in the absence of both (a) and (b);
 - (c) by estimating the quantity of the delivery by use of deliveries during periods under similar conditions when the meter was registering accurately.
9. NAESB Standard 2.3.11 states: For treatment of measurement prior periods adjustments, treat the adjustment by taking it back to the production month. A meter adjustment becomes a prior period adjustment after the fifth business day following the business month.

NAESB Standard 2.3.14 states: Measurement data corrections should be processed within 6 months of the production month with a 3 month rebuttal period. This standard shall not apply in the case of deliberate omission or misrepresentation or mutual mistake of fact. Parties' other statutory or contractual rights shall not otherwise be diminished by this standard. Mutual agreement between parties, legal decisions, and regulatory guidance may be necessary to determine if the event qualifies for an extension of the above time periods.
10. Preservation of metering records: Transporter, Shipper and Operator shall each preserve for a period of at least one year all test data, charts and other similar records.

GENERAL TERMS AND CONDITIONS (continued)

XXXIII. NORTH AMERICAN ENERGY STANDARDS BOARD (NAESB) STANDARDS

Compliance with 18 CFR, Section 284.12

1. Transporter has adopted the Business Practices and Electronic Communications Standards, NAESB WGQ Version 3.1, which are required by the Commission in 18 CFR Section 284.12 (a), as indicated below. Standards without accompanying identification or notations are incorporated by reference. Standards that are not incorporated by reference are identified along with the tariff record in which they are located. Standards for which waivers or extensions of time have been granted are also identified.
2. Pursuant to NAESB's Copyright Procedure Regarding Member and Purchaser Self-Executing Waiver as adopted by the NAESB Board of Directors on April 4 2013, Transporter may publish in its tariff, compliance filings, in communications with customers or stakeholders in conducting day to day business or in communications with regulatory agencies some or all of the language contained in NAESB standards protected by copyright, provided that Transporter includes appropriate citations in the submission.

Transporter has elected to reproduce only the following Business Practices and Electronic Communications Standards, NAESB WGQ Version 3.1, that are protected by NAESB's copyright. With respect to each reproduced standard (including any minor corrections), Transporter incorporates the following: Copyright © 2017 North American Energy Standards Board, Inc. All rights reserved.

3. NAESB WGQ Standards Incorporated by Reference

Additional Standards:

General:

Definitions:
0.2.5

Standards:
0.3.1, 0.3.2, 0.3.16

Creditworthiness:

Standards:

Gas/Electric Operational Communications:

Definitions:
0.2.1, 0.2.2, 0.2.3, 0.2.4

Standards:
0.3.11, 0.3.12, 0.3.13, 0.3.14, 0.3.15

Operating Capacity and Unsubscribed

Standards:
0.3.18, 0.3.20, 0.3.21, 0.3.22

Data Sets:
0.4.2, 0.4.3

GENERAL TERMS AND CONDITIONS (continued)

XXXIII. NORTH AMERICAN ENERGY STANDARDS BOARD (NAESB) STANDARDS
(continued)

3. NAESB WGQ Standards Incorporated by Reference
(continued)

Location Data Download:

Standards:
0.3.23, 0.3.24, 0.3.25, 0.3.26, 0.3.27, 0.3.28, 0.3.29

Data Sets:
0.4.4

Storage Information:

Data Sets:
0.4.1

Nomination Related Standards:

Definitions:
1.2.1, 1.2.2, 1.2.5, 1.2.8, 1.2.9, 1.2.10, 1.2.11, 1.2.12, 1.2.13, 1.2.14, 1.2.15, 1.2.16, 1.2.17, 1.2.18,
1.2.19

Standards:
1.3.3, 1.3.7, 1.3.8, 1.3.9, 1.3.11, 1.3.15, 1.3.16, 1.3.20, 1.3.21, 1.3.22, 1.3.24, 1.3.25, 1.3.26,
1.3.27, 1.3.28, 1.3.29, 1.3.30, 1.3.31, 1.3.32, 1.3.33, 1.3.34, 1.3.35, 1.3.36, 1.3.37, 1.3.38, 1.3.39,
1.3.40, 1.3.41, 1.3.42, 1.3.43, 1.3.44, 1.3.45, 1.3.46, 1.3.48, 1.3.51, 1.3.53, 1.3.55, 1.3.56, 1.3.58,
1.3.62, 1.3.64, 1.3.65, 1.3.66, 1.3.67, 1.3.68, 1.3.69, 1.3.70, 1.3.71, 1.3.72, 1.3.73, 1.3.74, 1.3.75,
1.3.76, 1.3.77, 1.3.79, 1.3.80, 1.3.81, 1.3.82

Data Sets:
1.4.1, 1.4.2, 1.4.3, 1.4.4, 1.4.5, 1.4.6, 1.4.7

Flowing Gas Related Standards:

Definitions:
2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.5

Standards:
2.3.1, 2.3.8, 2.3.9, 2.3.10, 2.3.12, 2.3.13, 2.3.15, 2.3.20, 2.3.21, 2.3.23, 2.3.27, 2.3.29, 2.3.30,
2.3.31, 2.3.32, 2.3.40, 2.3.41, 2.3.42, 2.3.43, 2.3.44, 2.3.45, 2.3.46, 2.3.47, 2.3.48, 2.3.50, 2.3.51,
2.3.52, 2.3.53, 2.3.54, 2.3.55, 2.3.56, 2.3.57, 2.3.58, 2.3.59, 2.3.60, 2.3.61, 2.3.62, 2.3.63, 2.3.64,
2.3.65, 2.3.66

Data Sets:
2.4.1, 2.4.2, 2.4.3, 2.4.4, 2.4.5, 2.4.6, 2.4.7, 2.4.8, 2.4.9, 2.4.10, 2.4.11, 2.4.17, 2.4.18

Invoicing Related Standards

Definitions:

Standards:
3.3.3, 3.3.4, 3.3.5, 3.3.6, 3.3.7, 3.3.8, 3.3.9, 3.3.10, 3.3.11, 3.3.12, 3.3.13, 3.3.16, 3.3.17, 3.3.21,
3.3.22, 3.3.23, 3.3.24, 3.3.25, 3.3.26

Data Sets:
3.4.1, 3.4.2, 3.4.3, 3.4.4

GENERAL TERMS AND CONDITIONS (continued)

XXXIII. NORTH AMERICAN ENERGY STANDARDS BOARD (NAESB) STANDARDS
(continued)

4. NAESB WGQ Standards Incorporated by Reference
(continued)

Quadrant Electronic Delivery Mechanism (EDM) Related Standards:

Definitions:

4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.2.8, 4.2.9, 4.2.10, 4.2.11, 4.2.12, 4.2.13, 4.2.14,
4.2.15, 4.2.16, 4.2.17, 4.2.18, 4.2.19, 4.2.20

Standards:

4.3.1, 4.3.2, 4.3.3, 4.3.16, 4.3.17, 4.3.18, 4.3.20, 4.3.22, 4.3.23, 4.3.24, 4.3.25, 4.3.26, 4.3.27,
4.3.28, 4.3.30, 4.3.31, 4.3.32, 4.3.33, 4.3.34, 4.3.35, 4.3.36, 4.3.38, 4.3.40, 4.3.41, 4.3.42, 4.3.43,
4.3.44, 4.3.45, 4.3.46, 4.3.47, 4.3.48, 4.3.49, 4.3.50, 4.3.52, 4.3.53, 4.3.54, 4.3.55, 4.3.57, 4.3.58,
4.3.60, 4.3.61, 4.3.62, 4.3.66, 4.3.67, 4.3.68, 4.3.69, 4.3.72, 4.3.75, 4.3.78, 4.3.79, 4.3.80, 4.3.81,
4.3.82, 4.3.83, 4.3.84, 4.3.85, 4.3.86, 4.3.87, 4.3.89, 4.3.90, 4.3.91, 4.3.92, 4.3.93, 4.3.94, 4.3.95,
4.3.96, 4.3.97, 4.3.98, 4.3.99, 4.3.100, 4.3.101, 4.3.102, 4.3.103, 4.3.104, 4.3.105, 4.3.106

Capacity Release Standards:

Definitions:

5.2.1, 5.2.3, 5.2.4, 5.2.5

Standards:

5.3.10, 5.3.11, 5.3.12, 5.3.20, 5.3.21, 5.3.22, 5.3.23, 5.3.25, 5.3.26, 5.3.28, 5.3.29, 5.3.31, 5.3.32,
5.3.33, 5.3.35, 5.3.36, 5.3.37, 5.3.38, 5.3.39, 5.3.40, 5.3.41, 5.3.42, 5.3.46, 5.3.47, 5.3.48, 5.3.49,
5.3.50, 5.3.51, 5.3.52, 5.3.53, 5.3.54, 5.3.56, 5.3.57, 5.3.58, 5.3.59, 5.3.60, 5.3.62, 5.3.62a, 5.3.63,
5.3.64, 5.3.65, 5.3.66, 5.3.67, 5.3.68, 5.3.69, 5.3.70, 5.3.71, 5.3.72, 5.3.73

Data Sets:

5.4.14, 5.4.15, 5.4.16, 5.4.17, 5.4.20, 5.4.21, 5.4.22, 5.4.23, 5.4.24, 5.4.25, 5.4.26, 5.4.27

Internet Electronic Transport Related Standards:

Definitions:

10.2.1, 10.2.2, 10.2.3, 10.2.4, 10.2.5, 10.2.6, 10.2.7, 10.2.8, 10.2.9, 10.2.10, 10.2.11, 10.2.12,
10.2.13, 10.2.14, 10.2.15, 10.2.16, 10.2.17, 10.2.18, 10.2.19, 10.2.20, 10.2.21, 10.2.22, 10.2.23,
10.2.24, 10.2.25, 10.2.26, 10.2.27, 10.2.28, 10.2.29, 10.2.30, 10.2.31, 10.2.32, 10.2.33, 10.2.34,
10.2.35, 10.2.36, 10.2.37, 10.2.38

Standards:

10.3.1, 10.3.3, 10.3.4, 10.3.5, 10.3.6, 10.3.7, 10.3.8, 10.3.9, 10.3.10, 10.3.11, 10.3.12, 10.3.14,
10.3.15, 10.3.16, 10.3.17, 10.3.18, 10.3.19, 10.3.20, 10.3.21, 10.3.22, 10.3.23, 10.3.24, 10.3.25,
10.3.26, 10.3.27

GENERAL TERMS AND CONDITIONS (continued)

XXXIII. NORTH AMERICAN ENERGY STANDARDS BOARD (NAESB) STANDARDS
 (continued)

5. FERC Authorization for Initial and Confirmation of Waiver

| | Tennessee Gas Pipeline | FERC Authorization for Continuation of Waiver of Certain EDM/EDI NAESB Standards | |
|----------|---|--|---|
| Line No. | NAESB Standard V 3.1 | Initial Waiver | Most Recently Approved Continuation of Waiver |
| | Additional Standards Storage Information Data Dictionary | | |
| 1 | | | |
| 2 | 0.4.1 | RP09-737-000, July 7, 2009 (unpublished letter order) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| | Flowing Gas/ Data Dictionaries | | |
| 3 | | | |
| 4 | 2.4.1 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| 5 | 2.4.2 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| 6 | 2.4.4 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| 7 | 2.4.7 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| 8 | 2.4.8 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| 9 | 2.4.9 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| 10 | 2.4.10 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| 11 | 2.4.11 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| 12 | 2.4.18 | RP09-737-000, July 7, 2009 (unpublished letter order) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| | Invoicing/ Data Dictionaries | | |
| 13 | | | |
| 14 | 3.4.1 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| 15 | 3.4.2 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| 16 | 3.4.3 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| 17 | 3.4.4 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |
| | Capacity Release/ Data Dictionaries | | |
| 18 | | | |
| 19 | 5.4.17 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 (unpublished letter order) |

MARKED TARIFF SHEETS / RECORDS

GENERAL TERMS AND CONDITIONS (continued)

III. MEASUREMENT AND MEASURING EQUIPMENT (continued)

6. Care required: All installations of measuring equipment applying to or affecting deliveries of gas shall be made in such manner as to permit an accurate determination of the quantity of gas delivered and ready verification of the accuracy of measurement. Care shall be exercised by both parties in the installation, maintenance and operation of pressure regulating equipment so as to prevent any inaccuracy in the determination of the volume of gas delivered under the gas sales contract or the transportation contract.

7. Calibration and test of meters: The accuracy of Transporter's, Shipper's or Operator's measuring equipment shall be verified at reasonable intervals, and if requested, in the presence of representatives of Transporter, Shipper or Operator but no party shall be required to verify the accuracy of equipment more frequently than once in any thirty-day period. In the event that a party shall notify the others that it desires a special test of any measuring equipment the parties shall cooperate to secure a prompt verification of the accuracy of such equipment. The expense of any special test shall be borne by the requesting party if the measuring equipment tested is found to be in error by not more than two percent.

If, upon testing, any measuring equipment is found to be in error by not more than two percent, previous recordings of such equipment shall be considered accurate in computing deliveries of gas, but such equipment shall be adjusted at once to record accurately.

If, upon test, any measuring equipment shall be found to be inaccurate by an amount exceeding two percent, at a recording corresponding to the average hourly rate of flow for the period since the last preceding test, then any previous recordings of such equipment shall be corrected to zero error for any period which is known definitely, but in case the period is not known or agreed upon, such correction shall be for a period extending over one-half of the time elapsed since the date of the last test, not exceeding a correction period of sixteen days.

8. Correction of metering errors - failure of meters: In the event a meter is out of service, or registering inaccurately, the volume of gas delivered shall be determined:

- (a) by using the registration of any check meter or meters, if installed and accurately registering, or, in the absence of (a);
- (b) by correcting the error if the percentage of error is ascertainable by calibration, tests, or mathematical calculation, or in the absence of both (a) and (b);
- (c) by estimating the quantity of the delivery by use of deliveries during periods under similar conditions when the meter was registering accurately.

9. NAESB Standard 2.3.11 states: ~~Correction of metering errors—adjustments: A measurement data correction shall become a prior period adjustment (PPA) after the fifth (5th) business day following the production month. For treatment of measurement prior period adjustments, treat the adjustment by taking it back to the production month. A meter adjustment becomes a prior period adjustment after the fifth business day following the business month.~~

NAESB Standard 2.3.14 states: Measurement data corrections should be processed within 6 months of the production month with a 3 month rebuttal period. This standard shall not apply in the case of deliberate omission or misrepresentation or mutual mistake of fact. Parties' other statutory or contractual rights shall not otherwise be diminished by this standard. Mutual agreement between parties, legal decisions, and regulatory guidance may be necessary to determine if the event qualifies for an extension of the above time periods.

10. Preservation of metering records: Transporter, Shipper and Operator shall each preserve for a period of at least one year all test data, charts and other similar records.

GENERAL TERMS AND CONDITIONS (continued)

XXXIII. NORTH AMERICAN ENERGY STANDARDS BOARD (NAESB) STANDARDS

Compliance with 18 CFR, Section 284.12

1. Transporter has adopted the Business Practices and Electronic Communications Standards, NAESB WGQ Version 3-03.1, and the standards revised by Minor Corrections ~~MC15003, MC15004, MC15005, MC15009 and MC15012~~ all marked with an asterisk [*], which are required by the Commission in 18 CFR Section 284.12 (a), as indicated below. Standards without accompanying identification or notation~~s~~ are incorporated by reference. Standards that are not incorporated by reference are identified along with the tariff record in which they are located. Standards for which waivers or extensions of time have been granted are also identified.
2. Pursuant to NAESB 's Copyright Procedure Regarding Member and Purchaser Self-Executing Waiver as adopted by the NAESB Board of Directors on April 4 2013, Transporter may publish in its tariff, compliance filings, in communications with customers or stakeholders in conducting day to day business or in communications with regulatory agencies some or all of the language contained in NAESB standards protected by copyright, provided that Transporter includes appropriate citations in the submission.

Transporter has elected to reproduce only the following Business Practices and Electronic Communications Standards, NAESB WGQ Version 3-03.1, that are protected by NAESB's copyright. With respect to each reproduced standard (including any minor corrections), Transporter incorporates the following: Copyright © ~~2014-2017~~ North American Energy Standards Board, Inc. All rights reserved.

3. NAESB WGQ Standards Incorporated by Reference

Additional Standards:

General:

Definitions:
0.2.5

Standards:
0.3.1, 0.3.2, 0.3.16

Creditworthiness:

Standards:

Gas/Electric Operational Communications:

Definitions:
0.2.1, 0.2.2, 0.2.3, 0.2.4

Standards:
0.3.11, 0.3.12, 0.3.13, 0.3.14, 0.3.15

Operating Capacity and Unsubscribed

Standards:
0.3.18, 0.3.20, 0.3.21, 0.3.22

Data Sets:
0.4.2*, 0.4.3

GENERAL TERMS AND CONDITIONS (continued)

XXXIII. NORTH AMERICAN ENERGY STANDARDS BOARD (NAESB) STANDARDS
(continued)

3. NAESB WGQ Standards Incorporated by Reference
(continued)

Location Data Download:

Standards:
0.3.23, 0.3.24, 0.3.25, 0.3.26, 0.3.27, 0.3.28, 0.3.29

Data Sets:
0.4.4*

Storage Information:

Data Sets:
0.4.1*

Nomination Related Standards:

Definitions:
1.2.1, 1.2.2, 1.2.5, 1.2.8, 1.2.9, 1.2.10, 1.2.11, 1.2.12, 1.2.13, 1.2.14, 1.2.15, 1.2.16, 1.2.17, 1.2.18,
1.2.19

Standards:
1.3.3, 1.3.7, 1.3.8*, 1.3.9*, 1.3.11*, 1.3.15, 1.3.16, 1.3.20, 1.3.21, 1.3.22, 1.3.24, 1.3.25, 1.3.26,
1.3.27, 1.3.28, 1.3.29, 1.3.30, 1.3.31, 1.3.32, 1.3.33*, 1.3.34, 1.3.35, 1.3.36, 1.3.37, 1.3.38, 1.3.39,
1.3.40, 1.3.41, 1.3.42, 1.3.43, 1.3.44, 1.3.45, 1.3.46, 1.3.48, 1.3.51, 1.3.53, 1.3.55, 1.3.56, 1.3.58,
1.3.62, 1.3.64, 1.3.65, 1.3.66, 1.3.67, 1.3.68, 1.3.69, 1.3.70, 1.3.71, 1.3.72, 1.3.73, 1.3.74, 1.3.75,
1.3.76, 1.3.77, 1.3.79, 1.3.80, 1.3.81, 1.3.82

Data Sets:
1.4.1*, 1.4.2*, 1.4.3*, 1.4.4*, 1.4.5*, 1.4.6*, 1.4.7*

Flowing Gas Related Standards:

Definitions:
2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.5

Standards:
2.3.1, 2.3.8, 2.3.9, 2.3.10, 2.3.12, 2.3.13, 2.3.15, 2.3.20, 2.3.21, 2.3.23, 2.3.27, 2.3.29, 2.3.30,
2.3.31, 2.3.32, 2.3.40, 2.3.41, 2.3.42, 2.3.43, 2.3.44, 2.3.45, 2.3.46, 2.3.47, 2.3.48, 2.3.50, 2.3.51,
2.3.52, 2.3.53, 2.3.54, 2.3.55, 2.3.56, 2.3.57, 2.3.58, 2.3.59, 2.3.60, 2.3.61, 2.3.62, 2.3.63, 2.3.64,
2.3.65, 2.3.66

Data Sets:
2.4.1*, 2.4.2, 2.4.3*, 2.4.4*, 2.4.5*, 2.4.6, 2.4.7, 2.4.8, 2.4.9, 2.4.10, 2.4.11, 2.4.17, 2.4.18

Invoicing Related Standards

Definitions:

Standards:
3.3.3, 3.3.4, 3.3.5, 3.3.6, 3.3.7, 3.3.8, 3.3.9, 3.3.10, 3.3.11, 3.3.12, 3.3.13, 3.3.16, 3.3.17, 3.3.21,
3.3.22, 3.3.23, 3.3.24, 3.3.25, 3.3.26

Data Sets:
3.4.1*, 3.4.2, 3.4.3, 3.4.4

GENERAL TERMS AND CONDITIONS (continued)

XXXIII. NORTH AMERICAN ENERGY STANDARDS BOARD (NAESB) STANDARDS
(continued)

4. NAESB WGQ Standards Incorporated by Reference
(continued)

Quadrant Electronic Delivery Mechanism (EDM) Related Standards:

Definitions:

4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.2.8, 4.2.9, 4.2.10, 4.2.11, 4.2.12, 4.2.13, 4.2.14,
4.2.15, 4.2.16, 4.2.17, 4.2.18, 4.2.19, 4.2.20

Standards:

4.3.1, 4.3.2, 4.3.3, 4.3.16, 4.3.17, 4.3.18, 4.3.20, 4.3.22, 4.3.23, 4.3.24, 4.3.25, 4.3.26, 4.3.27,
4.3.28, 4.3.30, 4.3.31, 4.3.32, 4.3.33, 4.3.34, 4.3.35, 4.3.36, 4.3.38, 4.3.40, 4.3.41, 4.3.42, 4.3.43,
4.3.44, 4.3.45, 4.3.46, 4.3.47, 4.3.48, 4.3.49, 4.3.50, 4.3.52, 4.3.53, 4.3.54, 4.3.55, 4.3.57, 4.3.58,
4.3.60, 4.3.61, 4.3.62, 4.3.66, 4.3.67, 4.3.68, 4.3.69, 4.3.72, 4.3.75, 4.3.78, 4.3.79, 4.3.80, 4.3.81,
4.3.82, 4.3.83, 4.3.84, 4.3.85, 4.3.86, 4.3.87, 4.3.89, 4.3.90, 4.3.91, 4.3.92, 4.3.93, 4.3.94, 4.3.95,
4.3.96, 4.3.97, 4.3.98, 4.3.99, 4.3.100, 4.3.101, 4.3.102, 4.3.103, 4.3.104, 4.3.105, [4.3.106](#)

Capacity Release Standards:

Definitions:

5.2.1, 5.2.3, 5.2.4, 5.2.5

Standards:

5.3.10, 5.3.11, 5.3.12, 5.3.20, 5.3.21, 5.3.22, 5.3.23, 5.3.25, 5.3.26, 5.3.28, 5.3.29, 5.3.31, 5.3.32,
5.3.33, 5.3.35, 5.3.36, 5.3.37, 5.3.38, 5.3.39, 5.3.40, 5.3.41, 5.3.42, 5.3.46, 5.3.47, 5.3.48, 5.3.49,
5.3.50, 5.3.51, 5.3.52, 5.3.53, 5.3.54, 5.3.56, 5.3.57, 5.3.58, 5.3.59, 5.3.60, 5.3.62, 5.3.62a, 5.3.63,
5.3.64, 5.3.65, 5.3.66, 5.3.67, 5.3.68, 5.3.69, 5.3.70, 5.3.71, 5.3.72, 5.3.73

Data Sets:

5.4.14, 5.4.15, 5.4.16, 5.4.17, 5.4.20, 5.4.21, 5.4.22, 5.4.23, 5.4.24, 5.4.25, 5.4.26, 5.4.27

Internet Electronic Transport Related Standards:

Definitions:

10.2.1, 10.2.2, 10.2.3, 10.2.4, 10.2.5, 10.2.6, 10.2.7, 10.2.8, 10.2.9, 10.2.10, 10.2.11, 10.2.12,
10.2.13, 10.2.14, 10.2.15, 10.2.16, 10.2.17, 10.2.18, 10.2.19, 10.2.20, 10.2.21, 10.2.22, 10.2.23,
10.2.24, 10.2.25, 10.2.26, 10.2.27, 10.2.28, 10.2.29, 10.2.30, 10.2.31, 10.2.32, 10.2.33, 10.2.34,
10.2.35, 10.2.36, 10.2.37, 10.2.38

Standards:

10.3.1, 10.3.3, 10.3.4, 10.3.5, 10.3.6, 10.3.7, 10.3.8, 10.3.9, 10.3.10, 10.3.11, 10.3.12, 10.3.14,
10.3.15, 10.3.16, 10.3.17, 10.3.18, 10.3.19, 10.3.20, 10.3.21, 10.3.22, 10.3.23, 10.3.24, 10.3.25,
10.3.26, 10.3.27

GENERAL TERMS AND CONDITIONS (continued)

XXXIII. NORTH AMERICAN ENERGY STANDARDS BOARD (NAESB) STANDARDS
 (continued)

5. FERC Authorization for Initial and Confirmation of Waiver

| | Tennessee Gas Pipeline | FERC Authorization for Continuation of Waiver of Certain EDM/EDI NAESB Standards | |
|----------|---|--|---|
| Line No. | NAESB Standard V 3-03.1 | Initial Waiver | Most Recently Approved Continuation of Waiver |
| 1 | Additional Standards Storage Information Data Dictionary | | |
| 2 | 0.4.1 | RP09-737-000, July 7, 2009 (unpublished letter order) | RP13-60-000 RP16-567-000, November 29, 2012March 29, 2016 (unpublished letter order) |
| 3 | Flowing Gas/ Data Dictionaries | | |
| 4 | 2.4.1 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 5 | 2.4.2 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 6 | 2.4.4 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 7 | 2.4.7 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 8 | 2.4.8 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 9 | 2.4.9 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 10 | 2.4.10 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 11 | 2.4.11 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 12 | 2.4.18 | RP09-737-000, July 7, 2009 (unpublished letter order) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 13 | Invoicing/ Data Dictionaries | | |
| 14 | 3.4.1 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 15 | 3.4.2 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 16 | 3.4.3 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 17 | 3.4.4 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |
| 18 | Capacity Release/ Data Dictionaries | | |
| 19 | 5.4.17 | 100 FERC ¶61,340 (September 25, 2002) | RP16-567-000, March 29, 2016 RP13-60-000, November 29, 2012 (unpublished letter order) |