UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION

DTE Midstream Appalachia, LLC
Docket No. CP17-___-000

ABBREVIATED APPLICATION
FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY
AND RELATED AUTHORIZATIONS

Volume I – Public

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DTE Midstream Appalachia, LLC   )  Docket No. CP17-___-000

ABBREVIATED APPLICATION OF DTE MIDSTREAM APPALACHIA, LLC
FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY AND
RELATED AUTHORIZATIONS

Pursuant to section 7(c) of the Natural Gas Act (“NGA”),¹ and Parts 157 and 284 of the
regulations of the Federal Energy Regulatory Commission (“FERC” or the “Commission”),²
DTE Midstream Appalachia, LLC (“DTE” or “Applicant”) hereby submits this application
(“Application”) for: (i) a certificate of public convenience and necessity authorizing DTE to
construct, own, and operate the new interstate natural gas pipeline facilities described herein (the
“Birdsboro Pipeline Project” or “Project”); (ii) a blanket certificate pursuant to Part 284, Subpart
G of the Commission’s Regulations, authorizing DTE to provide open-access transportation
services on a self-implementing basis, with pre-granted abandonment approval; (iii) a blanket
certificate under Part 157, Subpart F of the Commission’s Regulations, authorizing DTE to
construct, operate, and/or abandon certain eligible facilities as described in Part 157, Subpart F,
and services related thereto; (iv) approval of DTE’s proposed initial recourse rates for
transportation service and its pro forma tariff (“Tariff”), which includes authority to enter into
negotiated rate agreements; and (v) such other authorizations and waivers as may be necessary
from the Commission for DTE to undertake the activities described herein.

DTE respectfully requests the Commission authorize the Project on or before December
15, 2017, in order to achieve the Project’s proposed in-service date of June 30, 2018.

I. EXECUTIVE SUMMARY

DTE is proposing to construct approximately 14 miles of 12-inch diameter pipeline in Berks County, Pennsylvania, to transport natural gas from a single receipt point at an interconnection with the Texas Eastern Transmission LP (“Texas Eastern”) interstate pipeline to a single delivery point at a new gas-fired generating facility under construction in Birdsboro, Pennsylvania (“Birdsboro Facility”). The Project will have an initial design of capacity of approximately 79,000 dekatherms per day (“Dth/d”). No compression is proposed as part of the Project. The Project is designed to meet the needs of the Birdsboro Facility, and has a proposed in-service date of June 30, 2018.

An entity unaffiliated with DTE, Birdsboro Power, LLC ("Birdsboro Power"), is developing the Birdsboro Facility and has contracted for 100 percent of the Project capacity pursuant to a Precedent Agreement dated August 19, 2016 (“Precedent Agreement”). The Project will provide significant public benefits and is consistent with the Commission’s Statement of Policy on the Certification of New Interstate Natural Gas Pipeline Facilities.3 as DTE is proposing to add natural gas pipeline infrastructure to meet the needs the Birdsboro Facility and thereby support demand for natural gas supply in the region. First, by providing firm transportation service to the proposed Birdsboro Facility, the Project benefits the public by allowing a new natural-gas fired generating facility to provide significant electric capacity in a market where a number of coal-fired generating facilities either have retired or are expected to

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retire in the near future.\textsuperscript{4} The Birdsboro Facility would have no access to natural gas for fuel absent the Project. By providing firm transportation service to the Birdsboro Facility, the Project also promotes a competitive marketplace by allowing the Birdsboro Facility to participate in the PJM Interconnection, L.L.C. (“PJM”) wholesale electric market, one of the most competitive wholesale electric markets in the country.

Second, the issuance of a certificate of public convenience and necessity for the Project is consistent with the Commission’s Certificate Policy Statement, and the Project is required by the public convenience and necessity. DTE, as a new pipeline company, has no existing customers, so there is no risk of financial subsidiaries by existing customers. The Project’s central purpose is to deliver fuel to the new Birdsboro Facility, and as such, does not replace service on any existing pipeline or otherwise have an adverse impact on existing pipelines or their captive customers. As explained herein, DTE has worked extensively with landowners and other stakeholders to minimize the impacts of the Project and address landowners’ comments regarding the route of the Project. As of the date of this Application, DTE has entered into options to acquire 90.5 percent of the necessary property rights for the Project. Together with the significant benefits from the Project, these factors demonstrate that the Project is fully consistent with the Certificate Policy Statement and the Commission should grant all the necessary authorizations requested in this Application.

\textsuperscript{4} See, \textit{e.g.}, Monitoring Analytics, LLC, 2016 \textit{State of the Market for PJM}, at p. 491 (“Of the 4,965.3 MW pending retirement, 3,649.0 MW are coal units. The coal unit retirements were a result of low gas prices, low capacity prices and the investments required for compliance with the EPA’s Mercury and Air Toxics Standards (MATS) for some units.”).
DTE also requests Commission approval of its pro forma Tariff. As required under the Commission’s Regulations, DTE is proposing initial recourse rates that include rates for firm and interruptible transportation service, and are based on the Project’s projected total cost of service as explained below. DTE also requests that the Commission approve certain non-conforming terms in the proposed negotiated rate agreement it intends to execute with Birdsboro Power. The non-conforming provisions reflect key aspects of the arrangement for Birdsboro Power to provide contractual support for the Project, thus enabling it to go forward.

DTE respectfully requests the Commission grant all authorizations necessary for the Project by December 15, 2017. Adhering to this proposed timeline will allow for receipt of any remaining applicable permits and authorizations necessary in order to allow for full commencement of construction by January 15, 2018. Timely commencement of construction is critical to meet the Project’s proposed in-service date of June 30, 2018, which is required under DTE’s contractual obligations with Birdsboro Power, the Project’s foundation shipper, to provide firm transportation service for the Birdsboro Facility.

II. APPLICANT INFORMATION

The Applicant’s exact legal name is DTE Midstream Appalachia, LLC, a limited liability company duly organized and existing under the laws of the State of Michigan. Applicant’s principal place of business is 333 Technology Drive, Suite 255, Canonsburg, PA 15317. Attached hereto as Exhibit A is Applicant’s certificate of formation and LLC agreement. The LLC agreement provided within Exhibit A contains commercially sensitive information not publicly available that is exempt from disclosure under the Freedom of Information Act. Therefore, the portion of Exhibit A containing the LLC Agreement is being submitted under confidential treatment in accordance with § 388.12 of the

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5 18 C.F.R § 284.7; Alternatives to Traditional Cost-of-Service Ratemaking for Natural Gas Pipelines and Regulation of Negotiated Transportation Services of Natural Gas Pipelines, 74 FERC ¶ 61,076 (“Alternative Rate Policy Statement”), reh'g and clarification denied, 75 FERC ¶ 61,024, reh'g denied, 75 FERC ¶ 61,066 (1996).

6 The LLC agreement provided within Exhibit A contains commercially sensitive information not publicly available that is exempt from disclosure under the Freedom of Information Act. Therefore, the portion of Exhibit A containing the LLC Agreement is being submitted under confidential treatment in accordance with § 388.12 of the
sole member of Applicant is DTE Pipeline Company, which is an indirect, wholly owned subsidiary of DTE Energy Company ("DTE Energy"), a publicly traded, Detroit-based diversified energy company involved in the development and management of energy-related businesses and services nationwide (NYSE: DTE). Applicant is duly authorized to conduct business as a foreign limited liability company in the Commonwealth of Pennsylvania so it may own and operate natural gas transmission facilities and engage in open-access transportation service in the Commonwealth of Pennsylvania. Attached hereto as Exhibit B is Applicant’s certificate of good standing in Michigan and Pennsylvania.

The name, title, mailing addresses, telephone number, and email address of the people to whom correspondences and communications concerning this Application should be sent are as follows:

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* Persons designated with an asterisk are those designated for service pursuant to 18 C.F.R. § 385.2010.

Applicant does not currently own or operate any interstate pipeline facilities or provide any services subject to the Commission’s jurisdiction. Applicant will become subject to the

Commission’s Regulations, 18 C.F.R. § 388.12 (2017). DTE requests the confidential portion of Exhibit A be placed in the Commission’s non-public files and understands Commission Staff will notify DTE in advance of any public disclosure of the information contained therein. A proposed form of protective agreement is included herewith as Exhibit Z-3.
Commission’s jurisdiction by becoming a “natural gas company” under section 2(6) of the NGA\textsuperscript{7} upon receipt of the authorizations requested herein, construction of the proposed facilities, and commencing operations as proposed.\textsuperscript{8}

Attached hereto as Exhibit D is information about Applicant’s affiliates and subsidiaries as required under Section 157.14 of the Commission’s Regulations.\textsuperscript{9}

III. REGULATORY AUTHORIZATIONS REQUESTED

DTE requests authorization pursuant to section 7(c) of the NGA and Parts 157 and 284 of the Commission’s Regulations as follows: (i) a certificate of public convenience and necessity authorizing DTE to construct, own, and operate the Birdsboro Pipeline Project; (ii) a blanket certificate pursuant to Part 284, Subpart G of the Commission’s Regulations, authorizing DTE to provide open-access transportation services on a self-implementing basis, with pre-granted abandonment approval; (iii) a blanket certificate under Part 157, Subpart F of the Commission’s Regulations, authorizing DTE to construct, operate, and/or abandon certain eligible facilities as described in Part 157, Subpart F, and services related thereto; (iv) approval of DTE’s proposed initial recourse rates for transportation service and its pro forma Tariff, which includes authority to enter into negotiated rate agreements; and (v) such other authorizations and waivers as may be necessary from the Commission for DTE to undertake the activities described herein.

IV. DESCRIPTION OF FACILITIES

The Project involves the installation of approximately 14 miles of new 12-inch-diameter natural gas pipeline, extending from a single receipt point on Texas Eastern’s pipeline in

\textsuperscript{7} 15 U.S.C. §717a(6).
\textsuperscript{8} A pro forma copy of DTE’s Tariff under which DTE proposes to provide interstate natural gas transportation service is attached hereto as Exhibit P-2.
Rockland Township, Berks County, PA, to a single delivery point at the proposed Birdsboro Facility located in the Borough of Birdsboro, Berks County, PA. The Project will serve as the sole access to fuel for the Birdsboro Facility, with 100 percent of Project capacity dedicated to the Birdsboro Facility. The pipeline will have a maximum allowable operating pressure ("MAOP") of 1,050 pounds per square inch gauge ("psig") and the overall design capacity of the pipeline will be 79,000 Dth/d.

No major aboveground facilities are proposed for the Project. Additional associated facilities on the proposed 12-inch-diameter pipeline are as follows:

- installation of one new pig receiver at the Birdsboro Facility; and
- installation of one new meter site adjacent to the Texas Eastern right-of-way, one new pig launcher at the Texas Eastern interconnect, and two new taps on the Texas Eastern pipeline.

DTE will also construct valves at approximately four locations along the pipeline route, with spacing of the valve facilities meeting the requirements of the United States Department of Transportation’s ("USDOT") Pipeline and Hazardous Materials Safety Administration.

No compression is planned to be added as a result of this Project. Gas will flow to the Birdsboro Facility at the prevailing pressure received from the Texas Eastern pipeline.

DTE intends to commence construction of the Project by January 15, 2018, pending receipt of all applicable permits and clearances. In order to meet the in-service schedule of Birdsboro Power, the Project’s sole customer, DTE intends to place the Project into service no later than June 30, 2018.
Detailed descriptions of the Project’s facilities and DTE’s construction and installation activities are provided in Resource Report 1, General Project Description, included as part of the Environmental Report attached hereto as Exhibit F-1.

V. PROJECT NEED

Effective August 19, 2016, DTE entered into a Precedent Agreement with Birdsboro Power, its sole customer, for the full capacity of the Project. A copy of the Precedent Agreement is included in Exhibit I. DTE did not receive any other expressions of interest from other potential shippers, and because the Project’s capacity is fully committed, DTE does not plan to solicit additional shippers or hold an open season for the Project.

VI. CERTIFICATE POLICY STATEMENT

DTE is proposing to add natural gas pipeline infrastructure to meet the needs the Birdsboro Facility and thereby support demand for natural gas supply in the region. As discussed below, DTE submits that the proposed Birdsboro Pipeline Project satisfies all the criteria for issuance of a certificate of public convenience and necessity under section 7 of the NGA as described in the Commission’s Certificate Policy Statement. The Project will benefit the public by providing firm fuel supply to a new generating facility—the Birdsboro Facility—that will generate significant electric capacity in a region where a number of coal-fired

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10 The Precedent Agreement provided in Exhibit I contains commercially sensitive information not publicly available that is exempt from disclosure under the Freedom of Information Act. Therefore, Exhibit I is being submitted under confidential treatment in accordance with § 388.12 of the Commission’s Regulations, 18 C.F.R. § 388.12. DTE requests Exhibit I be placed in the Commission’s non-public files and understands Commission Staff will notify DTE in advance of any public disclosure of the information contained therein. As noted, a proposed form of protective agreements is included herewith as Exhibit Z-3.

11 See Clarification Order, 90 FERC ¶ 61,128 at 61,392 (explaining how an open-season relates to ensuring a pipeline expansion is not “subsidized by existing customers”) (emphasis added); id. (open season intended to “ensure[] that a pipeline will not expand capacity if the demand for that capacity can be filled by existing shippers relinquishing their capacity”) (emphasis added); see also Certificate Policy Statement, 88 FERC ¶ 61,227 at 61,746 (“For new pipeline companies, without existing customers, [the no-subsidy] requirement will have no application.”).
generating facilities either have retired or are expected to retire in the near future, as well as promote a competitive marketplace by allowing the Birdsboro Facility to participate in the PJM wholesale electric market.

A. Impact on Other Pipelines and Their Captive Customers

DTE is a new pipeline company without any existing customers and therefore is not relying on subsidization by existing customers. Thus, the Commission’s “no financial subsidies” threshold requirement for construction of facilities by existing pipelines “will have no application” here.\(^\text{12}\) In the *Clarification Order*, the Commission further explained that generally, “construction of a pipeline whose rates are unsubsidized will not be considered to have an adverse effect on an existing pipeline.”\(^\text{13}\) This is true for the Birdsboro Pipeline Project, as it will provide additional pipeline infrastructure with the sole purpose of meeting the fuel supply needs of the Birdsboro Facility and is not intended to replace service on any existing pipeline. The Commission consistently deems such circumstances to have no adverse impact on existing pipelines in the area and their captive customers.\(^\text{14}\)

\(^{12}\) *Certificate Policy Statement*, 88 FERC ¶ 61,227 at 61,746 (“For new pipeline companies, without existing customers, this requirement will have no application.”).

\(^{13}\) *Clarification Order* at 61,397.

\(^{14}\) See, e.g., *Fla. Southeast Connection, LLC*, 154 FERC ¶ 61,080, at PP 67, 73 (stating that for “a new pipeline company that has no existing customers . . . there is no potential for subsidization . . . or degradation of service to existing customers”), *order on reh’g*, 156 FERC ¶ 61,160 (2016).
B. Impact on Landowners

Resource Report 1, attached hereto as Exhibit F-1, contains a list of landowners DTE identified that may be affected by the Project.\textsuperscript{15}

DTE engaged in extensive public outreach during the pre-filing process, which included contacting potentially affected landowners and agencies to address any anticipated impact the Project may have on their respective lands and operations. DTE worked with all interested stakeholders by soliciting input on any concerns and engaging in re-routes where practicable. DTE expects to continue working with affected landowners to identify and resolve any remaining issues or concerns. As a result of the preliminary and ongoing outreach, DTE is confident there will be minimal adverse impacts to affected landowners, and believes that any impacts either have or will be mitigated or will be offset by the benefits of the Project. In fact, DTE has entered into options to acquire 90.5 percent of the necessary property rights for the Project as of the date of this Application.

Further, DTE will follow the landowner notification requirements promulgated by the Commission in Order Nos. 609 and 609-A.\textsuperscript{16} Specifically:

- DTE will make good faith efforts to serve affected landowners\textsuperscript{17} and the other parties designated in Order Nos. 609 and 609-A with a landowner notification letter within three days after the Commission issues its Notice of this Application;\textsuperscript{18}

\textsuperscript{15} Note, the list of affected landowners included in Exhibit F-1 contains privileged landowner information and is therefore being submitted confidentially in accordance with the Commission’s Regulations governing the treatment of confidential information, 18 C.F.R. § 388.112.


\textsuperscript{17} “Affected landowners” are those parties defined under 18 C.F.R. § 157.6(d)(2).
• Within 14 days of the date the Commission assigns a docket number for this Application, DTE will publish notice of the proceeding in daily or weekly newspapers of general circulation across the Project area;\textsuperscript{19}

• Within 3 business days of the date the Commission assigns a docket number for this Application, DTE will place complete copies of the Application in accessible central locations throughout the Project area.\textsuperscript{20}

The names and locations of the public libraries and city government offices where DTE will place a complete copy of the public volumes of this Application are provided in Exhibit Z-1 containing a copy of the informational package that will be sent to affected landowners.

C. Impact on Environment

DTE has designed the proposed Birdsboro Pipeline Project in a manner that will minimize potential impacts to landowners and the environment. DTE determined the route for the proposed Project by considering factors such as existing land use, populated areas, surface topography, geological considerations, cultural issues, and environmental factors. DTE also worked with landowners, representatives from the local communities, and relevant state and federal agencies and adjusted the route as necessary based on their input. Further, the proposed route provides general proximity to road and highway infrastructure enabling DTE to quickly access its facilities for maintenance and emergencies. DTE will continue to work and consult with the necessary agencies to secure all permits necessary for the Project. The Resource

\textsuperscript{18} The landowner notification package will contain all the information required under 18 C.F.R. § 157.6(d)(3). A copy of the informational package that will be sent to landowners is attached hereto as Exhibit Z-1. Where any notice to an affected landowner is returned as undeliverable, DTE will make a reasonable attempt to locate the correct address for the affected landowner. DTE commits to provide the Commission with an updated landowner list and information about any returned notices within 30 days of filing this Application.

\textsuperscript{19} 18 C.F.R. § 157.6(d)(1)(iii).

\textsuperscript{20} Id §157.10(c).
Reports, attached hereto as Exhibit F-1, contain further details on the procedures DTE will use to mitigate the effects of constructing the proposed Project.

D. Public Benefits

As detailed herein, the proposed Birdsboro Pipeline Project will provide significant public benefits. Specifically, the public will benefit from the Project’s provision of firm natural gas transportation service to the proposed Birdsboro Facility, a planned 485 MW natural gas-fired generating facility being developed by an unaffiliated third party, Birdsboro Power. The Birdsboro Facility will be located on an approximately 30-acre existing and previously disturbed industrial site. Absent the Project, the Birdsboro Facility would have no access to natural gas. Thus, by providing firm transportation service to the proposed Birdsboro Facility, the Project benefits the public by allowing a new natural-gas fired generating facility to provide significant electric capacity in a region where a number of coal-fired generating facilities either have retired or are expected to retire in the near future.21 Further, by providing firm transportation service to the Birdsboro Facility, the Project promotes a competitive marketplace by allowing the Birdsboro Facility to participate in the PJM wholesale electric market, which is one of the most competitive wholesale electric markets in the country.

Additionally, the Commonwealth of Pennsylvania and the local communities will benefit from increased tax revenue generated from spending by the construction workforce, as well as by receiving long-term property tax revenues from the Project’s facilities.

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21 See PJM Market Monitor 2016 State of the Market, supra note 4, at p. 491 (“Of the 4,965.3 MW pending retirement, 3,649.0 MW are coal units. The coal unit retirements were a result of low gas prices, low capacity prices and the investments required for compliance with the EPA’s Mercury and Air Toxics Standards (MATS) for some units.”).
E. Conclusion

For these reasons, the proposed Project is fully consistent with the Commission’s considerations set forth in the Certificate Policy Statement. As discussed above, the expected environmental impacts from the Project will be minimal, no existing customers will subsidize the Project, there will be no adverse impacts on existing pipelines in the area or their captive customers, and the Project will bring substantial benefits to the consumers, shippers, and the public at large. Thus, DTE respectfully submits that the Birdsboro Pipeline Project satisfies all the criteria the Commission established in the Certificate Policy Statement and is required by the public convenience and necessity.

VII. TARIFF AND RATE MATTERS

A. General Description

DTE includes its proposed pro forma FERC Gas Tariff, Original Volume No. 1, attached hereto as Exhibit P-2. The Tariff was developed from Commission-approved precedents, and with input from Birdsboro Power in order to minimize the number of non-conforming provisions in Birdsboro Power’s negotiated rate agreement. Birdsboro Power supports the Tariff.

DTE prepared the pro forma Tariff consistent with the requirements of Part 154 of the Commission’s Regulations. DTE’s Tariff is also consistent with the requirements of Order Nos.

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22 In general, except for unique features noted herein and commercial changes agreed to with Birdsboro Power, DTE’s proposed pro forma Tariff is consistent with First ECA Midstream LLC’s FERC NGA Gas Tariff Original Volume 1, accepted for filing by the Commission in Docket No. RP16-1173. See First ECA Midstream LLC, 158 FERC ¶ 61,113 (2017) (order accepting tariff records, subject to conditions, and granting in part and denying in part requests for waivers and extension of time); see also First ECA Midstream LLC, 155 FERC ¶ 61,222 (2016) (order issuing certificate of public convenience and necessity to convert certain natural gas pipeline facilities to interstate service and issuing blanket certificates under Parts 284 and 157 of the Commission’s Regulations, subject to complying with conditions concerning proposed pro forma tariff).
and incorporates the requirements of NAESB 3.0 standards as adopted by the Commission’s Regulations. Thus, DTE will provide open-access transportation service on a non-discriminatory basis. Below, DTE briefly summarizes significant provisions to assist the Commission’s review of the proposed Tariff. DTE requests the Commission review and approve the Tariff as part of its review of this Application.

B. Rates and Services

Birdsboro Power, DTE’s sole customer, has elected to pay negotiated rates. DTE will file tariff records reflecting its negotiated rate agreements with Birdsboro Power within 30 to 60 days prior to the Project’s in-service date. Consistent with Commission regulations and the *Alternative Rate Policy Statement*, DTE is proposing to offer two basic transportation services at recourse rates:

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26 18 C.F.R. § 284.12(a)(1).

27 *Alternatives to Traditional Cost-of-Service Ratemaking for Natural Gas Pipelines; Regulation of Negotiated Transportation Services of Natural Gas Pipelines*, 74 FERC ¶ 61,076 (1996) ("*Alternative Rate Policy Statement*"); clarification granted, 74 FERC ¶ 61,194 (1996), order on reh’g, 75 FERC ¶ 61,024 (1996).
C. Rates

1. Total Cost of Service

As detailed in Exhibit P-1, the total annual cost of service for the Birdsboro Pipeline Project is projected to be $8,529,510 as of the expected in-service date. DTE determined the cost of service based on the estimated project cost, $44,819,674, and then included Allowance of Funds Used During Construction (“AFUDC”) to obtain the total gas plant in service amount of $47,276,982 (detailed in Exhibit K, attached hereto). Additional details and components of the projected cost of service are described below, and are also included in the explanatory statement submitted in Exhibit P-1.

2. Capital Structure and Rate of Return

The Birdsboro Pipeline Project will be wholly funded with equity. However, as explained in Exhibit P-1, to calculate AFUDC and the Tariff rates, DTE imputes a hypothetical capital structure of 50% equity and 50% debt. The projected first-year cost of service is based on (i) a return on equity of 14.0%; (ii) a 4.5% imputed cost of debt; (iii) a federal and state effective income tax rate of 41.49%; and (iv) a blended capital depreciation rate of 2.83%. Based on this calculation, the first-year cost of service is $8,529,510. DTE’s proposed hypothetical capital
structure, return on equity, and cost of debt result in an overall pre-tax return of 14.21%, which is consistent with Commission precedent approving new pipeline construction projects.28

In accordance with the Commission’s policy on accruing AFUDC in the cost of the Project, DTE represents that AFUDC accruals included in the cost of the facilities are calculated in accordance with the Commission’s rules and regulations and pursuant to and consistent with the following conditions: (1) capital expenditures for the Project have been incurred and (2) activities that are necessary to get the construction project ready for its intended use are in progress.29 DTE expects to begin accruing AFUDC for the Project in Q2 2017, effective with the date that DTE began to incur capital expenditures on activities necessary to prepare the Project for its intended use.

3. Requested Return on Equity

DTE requests a return on equity of 14.0% in determining its overall cost of capital. This return on equity appropriately takes into account development risks of a greenfield project that DTE is assuming. A requested return on equity of 14.0% is also consistent with prior Commission orders approving major construction projects and development of new natural gas pipelines.30 Therefore, the proposed 14.0% return on equity is reasonable and conservative for the Project.

28 See, e.g., UGI Sunbury, LLC, 155 FERC ¶ 61,115 at PP 20, 23 (2016) (approving a 14% return on equity, 7% cost of debt, and requiring an equity-to-debt capital structure of 50%/50%).
30 See, e.g., UGI Sunbury, LLC, 155 FERC ¶ 61,115 at PP 20, 23 (2016) (approving a 14% return on equity); Sierrita Gas Pipeline, LLC, 147 FERC ¶ 61,192 at P 39-40 (2014); Bison Pipeline LLC, 131 FERC ¶ 61,013 at P 24 (2010); Ruby Pipeline, L.LC., 128 FERC ¶ 61,224 at P 53 (2009) (approving cost-of-service rates for new pipeline entity based upon a return of equity of 14%).
4. **Cost of Debt**

DTE is imputing fifty percent (50%) debt in its hypothetical capital structure and imputing a four and a half percent (4.5%) debt cost for its capital structure, which is used in the calculation of AFUDC. This imputed debt cost is consistent with debt expense that the Commission has authorized for new pipeline development and reasonably reflects the risks associated with greenfield energy infrastructure projects.31

5. **Requested Depreciation Rate**

DTE proposes a blended depreciation rate of 2.83% reflecting a 40-year useful life for the pipeline facilities and 20-year useful life for metering facilities, consistent with depreciation rates accepted by the Commission in cases involving new pipelines.32 The 40-year useful life exceeds the initial term under the Precedent Agreement.

6. **Development of Initial Recourse Rates**

Exhibit P-1 details the derivation of DTE’s proposed initial recourse rates.

D. **Fuel and Lost and Unaccounted For Gas**

Consistent with Commission policy, section 15 of the General Terms and Conditions (“GT&C”) of the proposed Tariff contains a retention and tracking mechanism for fuel and lost and unaccounted for gas (“FL&U”). Section 15 details the manner in which DTE can adjust the FL&U reimbursement percentage on a seasonal basis to take into account prospective changes in FL&U requirements and any unrecovered FL&U quantities from the preceding period. DTE will submit to the Commission on or before March 31 each year a filing to support the FL&U

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31 UGI Sunbury, LLC, 155 FERC ¶ 61,115, at PP 20, 23 (2016) (approving a debt cost of 7%).

32 UGI Sunbury, LLC, 155 FERC ¶ 61,115, at PP 20, 23 (approving a blended depreciation rate of 2.54% assuming a 40-year useful life for a new pipeline and a 25-year useful life for ultrasonic meter facilities); Petal Gas Storage, L.L.C., 97 FERC ¶61,097, 61,519 (2001) (approving a depreciation rate of 2.5% over the 40-year useful life of a pipeline).
reimbursement percentage seasonal adjustments made during the preceding 12 months ending December 31.

E. Gas Quality

Because the Project’s sole source of supply is the Texas Eastern pipeline, DTE has incorporated relevant portions of the Texas Eastern tariff gas quality specifications directly into DTE’s Tariff.

VIII. REQUEST FOR APPROVAL OF NON-CONFORMING SERVICE AGREEMENT TERMS

The negotiated service agreement that DTE and Birdsboro Power intend to execute will contain minimal deviations from the pro forma Rate Schedule FT service agreement set forth in DTE’s Tariff that are consistent with Birdsboro Power’s status as an anchor shipper on the Project. The specific deviations are described in further detail below and DTE requests the Commission approve them in conjunction with approving this Application. DTE will file the executed service agreement with Birdsboro Power and a tariff record identifying the agreement as non-conforming within 30 to 60 days prior to the Project’s in-service date.

33 To assist the Commission in its review of the non-conforming provisions in the Birdsboro Power negotiated service agreement, DTE includes herein as Exhibit Z-2 both a “clean” and a “redline” version compared against DTE’s pro forma Rate Schedule FT service agreement.

Exhibit Z-2 contains commercially sensitive information not publicly available that is exempt from disclosure under the Freedom of Information Act. Therefore, Exhibit Z-2 is being submitted under confidential treatment in accordance with § 388.12 of the Commission’s Regulations, 18 C.F.R. § 388.12. DTE requests that confidential Exhibit Z-2 be placed in the Commission’s non-public files and understands Commission Staff will notify DTE in advance of any public disclosure of the information contained therein. As noted, a proposed form of protective agreement is attached as Exhibit Z-3.
The deviations contained in the proposed Birdsboro Power Rate Schedule FT service agreement are as follows:

- In Exhibit A, DTE and Birdsboro Power have agreed to a negotiated rate structure with a preliminary rate based on the Project’s construction budget subject to adjustment based upon actual construction costs;

- In Exhibit A, DTE and Birdsboro Power have agreed to a provision allowing for Birdsboro Power to reimburse DTE for a proportionate share of any economic burden related to certain changes in law;

- In Exhibit A, DTE and Birdsboro Power agreed to credit requirements for Birdsboro Power that reflect its anchor shipper status for a new construction project, consistent with the Commission’s credit policies.34

These provisions are key to the arrangement for Birdsboro Power to provide contractual support for the Project, thus enabling the Project to go forward. The routing and sizing of the pipeline facilities were determined in negotiation with Birdsboro Power so the Birdsboro Facility could meet its fuel requirements. Additionally, Birdsboro Power has made a long-term commitment for the full capacity of the Project.

These non-conforming terms that are critical to enabling the Project to go ahead are consistent with the Commission’s precedent that allow project sponsors to develop rate incentives to induce potential shippers to commit to a project. The DTE Tariff sets forth cost-based recourse rates which provide the alternative to negotiated rates required in the

---

Commission’s *Alternative Rate Policy Statement*.\(^\text{35}\) Importantly, none of the non-conforming terms affects the actual terms or quality of service on the Project.

Thus, there is no risk of undue discrimination under Commission policy for material deviations. DTE respectfully requests the Commission make a finding in this proceeding that the non-conforming provisions detailed above are permissible deviations from DTE’s proposed *pro forma* Rate Schedule FT agreement. DTE commits to providing the executed service agreement with Birdsboro Power reflecting the non-conforming language and a tariff record identifying the agreement as a non-conforming agreement 30 to 60 days before the Project is placed in-service.

**IX. SYSTEM CAPACITY AND OPERATIONS**

The initial firm transportation capacity of the Birdsboro Pipeline Project is approximately 79,000 Dth/d. Exhibit G attached hereto contains gas flow diagrams providing further detail on the gas flow and operations of the Project.\(^\text{36}\) This capacity represents the annual average sustainable capacity that will be available to flow from the Texas Eastern interconnection point to the Birdsboro Facility’s delivery point. The Birdsboro Pipeline Project will have a design pressure and MAOP of 1,050 psig.

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\(^{35}\) *Alternative Rate Policy Statement, supra* note 27.

\(^{36}\) Exhibit G contains information that qualifies as Critical Energy Infrastructure Information (“CEII”), including sensitive operational information about DTE’s system, that is exempt from mandatory disclosure under the Freedom of Information Act, 5 U.S.C. § 552. Therefore, Exhibit G is being submitted in accordance with § 388.113 of the Commission’s Regulations governing submission of CEII to the Commission. DTE understands that the Commission staff will notify it in advance of any public disclosure of the information contained in Exhibit G. As noted, Exhibit Z-3 contains a proposed form of protective agreement as required by § 388.112(b)(2)(i) and 388.113(d)(1)(iii) of the Commission’s Regulations.
X. ADDITIONAL AUTHORIZATIONS AND OPERATIONAL CONSIDERATIONS

In addition to a certificate of public convenience and necessity to construct and operate the Birdsboro Pipeline Project, DTE requests the following blanket authorizations in relation to it becoming an open-access natural gas transportation company:

A. Blanket Transportation Authority

Pursuant to section 7 of the NGA and Section 284.221 of the Commission’s Regulations, DTE requests a blanket certificate of public convenience and necessity enabling it to provide open-access transportation service. As required under Section 284.221(b)(1)(ii), DTE affirmatively states it will comply with Section 284.221(c), thereby subjecting its blanket certificate to the conditions of Part 284, Subpart A of the Commission’s Regulations. Blanket transportation authority will permit DTE to provide firm and interruptible open-access transportation on a non-discriminatory basis to all parties requesting such service under the terms and conditions of DTE’s pro forma FERC Gas Tariff, Original Volume No. 1.

B. Blanket Construction and Abandonment Authority

Pursuant to section 7 of the NGA and Section 157.204 of the Commission’s Regulations, DTE requests a blanket certificate of public convenience and necessity authorizing certain construction and operation of facilities and certain amendments and abandonments pursuant to section 7 of the NGA. The issuance of blanket construction and

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37 18 C.F.R. § 284.221.
38 The details of DTE’s pro forma Tariff are discussed infra in Section VI and a copy of the Tariff is attached hereto as Exhibit P-2. As discussed above, DTE will file its pro forma Tariff to become effective coincident with the in-service date of the Project, in accordance with an applicable Commission order in this proceeding granting DTE certificate authority.
39 18 C.F.R. § 157.204.
abandonment authority in accordance with Section 157.204 is appropriate to permit DTE to respond expeditiously to any customer-requested enhancements, and will serve the present and future public convenience and necessity.

    In accordance therewith, DTE affirmatively states it will comply with the terms, conditions, and procedures of Section 157, Subpart F of the Commission’s Regulations, and DTE requests certificate authority to operate the facilities that will be utilized to provide open-access transportation services in accordance with the blanket certificate authority also sought by this Application.

C. Operational Considerations

DTE will operate and maintain the Birdsboro Pipeline Project in full compliance with the Natural Gas Pipeline Safety Act of 1968, as amended, and the corresponding implementing regulations contained under 49 C.F.R. Part 192, as administered by USDOT. In addition, DTE will also operate and maintain the Project’s facilities in accordance with the GT&C’s of DTE’s pro forma Tariff.

XI. STAKEHOLDER AND LANDOWNER OUTREACH AND NOTIFICATION

In accordance with the directions outlined in the Commission’s Staff Report Ideas for Better Stakeholder Involvement in the Interstate Natural Gas Planning Pre-Filing Process, DTE conducted an extensive public and agency outreach effort beginning early in the Project’s planning process. On October 14, 2016, DTE filed a request to initiate the Commission’s pre-filing review process in order to work with Commission Staff to develop the environmental analyses related to the Project, as well as to encourage early involvement from interested

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stakeholders to identify and resolve potential issues before submitting this Application. On October 28, 2016, in Docket No. PF17-1-000, the Director of the Office of Energy Projects issued a letter approving DTE’s request to commence the Commission’s pre-filing review process for the Project. Throughout the course of the pre-filing review process, DTE actively solicited input from all interested stakeholders, including landowners, members of the public, and federal, state, and local agencies, regarding issues related to the location, construction, and operation of the Project. DTE also initiated consultations with the appropriate federal, state, and local agencies as part of the pre-filing review process.

As part of the pre-filing process, DTE was able to receive input on the Project response by holding an Open House in Oley Township, PA, on December 14, 2016, and subsequently by receiving comments at a FERC scoping meeting on February 2, 2017. Additionally, DTE submitted draft versions of the resource reports for comment by FERC Staff. The Commission’s comments, as well comments from other agencies, members of the public, and all other comments filed in the pre-filing docket, are incorporated into the final version of the environmental resource reports filed with this Application. Further, DTE maintains a public website for the Project, which will be continuously updated and provide updates on particularly relevant and/or regulatory milestones.42

XII. PUBLIC CONVENIENCE AND NECESSITY

DTE requests the authorization to construct and operate the Project as described herein in order to provide firm transportation service to the Birdsboro Facility. DTE respectfully submits that its request is required by, and will serve, the present and future public convenience and necessity as discussed above. Specifically:

- The Project is supported by its sole customer, Birdsboro Power, as demonstrated in the binding precedent agreement for 100 percent of Project capacity;
- The Project will provide firm natural gas transportation service for a proposed new natural gas-fired generating facility that will serve the regional and national power grid;
- The Project will provide increased tax revenues for the Commonwealth of Pennsylvania, as well as other benefits noted above;
- As detailed in the Resource Reports included hereto as Exhibit F-1, the proposed construction and operation of the Birdsboro Pipeline Project is not expected to have significant adverse environmental impact.

XIII. OTHER APPLICATIONS

As described above, upon DTE being granted the authority requested herein and the acceptance thereof, and prior to placing the Project in service, DTE commits to timely filing its FERC Gas Tariff, Original Volume No. 1 in accordance with Part 154 of the Commission’s Regulations, as well as the executed Rate Schedule FT service agreement with Birdsboro Power.43 Other than any permits identified in Exhibit J, DTE is not aware of any other application(s) required to supplement or effectuate the proposal described in this Application that

DTE, or any other person, would be required to file with the Commission or any other federal, state, or other regulatory body.

**XIV. EXHIBITS**

Pursuant to Section 157.14 of the Commission’s Regulations, DTE includes herewith the following indicated exhibits. This Application, along with these exhibits, contains all information and supporting data necessary to fully explain the proposed Project. DTE omits certain exhibits that are either inapplicable or unnecessary for the Commission to evaluate the Project, as set forth for the reasons below. If, in the event the Commission determines this Application does not include any information that should have been, DTE requests the Commission grant any waivers necessary so as to allow Commission review of the Application to proceed accordingly.

The exhibits are as follows:

**Exhibit A – Articles of Incorporation:**
Attached. Specifically, enclosed herein is a copy of the DTE Midstream Appalachia, LLC Articles of Incorporation, as well as a copy of the LLC Agreement for DTE Midstream Appalachia, LLC (submitted in Volume III as Privileged and Confidential).

**Exhibit B – State Authorization(s):**
Attached.

**Exhibit C – Company Officials:**
Attached.

**Exhibit D – Subsidiaries and Affiliations:**
Attached.

**Exhibit E – Other Pending Applications:**
Omitted; no other pending applications with FERC. Description of all other Project-related permits provided in Exhibit J.

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Exhibit F – Location of Facilities:
Attached.

Exhibit F-1 – Environmental Report:
Attached. Portions of this Exhibit are submitted in Volume III as Privileged and Confidential.

Exhibit G, G-1, and G-2: Flow Diagrams and Flow Diagrams Data:
Attached in Volume IV as Critical Energy Infrastructure Information.

Exhibit H – Total Gas Supply Data:
Omitted; DTE will only provide open-access transportation services, and any shipper is solely responsible for obtaining gas supply to be transported on the Project system.

Exhibit I – Market Data:
Attached. Specifically, enclosed herein is a copy of the Precedent Agreement (submitted in Volume III as Privileged and Confidential) demonstrating market need for the Project.

Exhibit J – Federal Authorizations:
Attached.

Exhibit K – Cost of Facilities:
Attached.

Exhibit L – Financing:
Omitted; DTE does not intend to rely on outside financing in connection with the Project.

Exhibit M – Construction, Operations, and Management:
Omitted; the Project will be constructed by independent contractors, and DTE field employees will perform all operation and maintenance activities for the Project.

Exhibit N – Revenues, Expenses, Income:
Attached.

Exhibit O – Depreciation and Depletion:
Omitted; information on depreciation and depletion provided in Exhibit P-1.

Exhibit P-1 – Derivation of Initial Rates:
Attached.
Exhibit P-2 – *Pro Forma Tariff*:
Attached.

Exhibit Z-1 – Landowner Notification Materials:
Attached.

Exhibit Z-2 – Proposed Birdsboro Power Rate Schedule FT Service Agreement
Attached. Specifically, enclosed herein are “clean” and “redline” version of the proposed negotiated service agreement (submitted in Volume III as Privileged and Confidential).

Exhibit Z-3 – Form of Protective Agreement
Attached.

**XV. MISCELLANEOUS**

As directed by Section 157.6(b)(7) of the Commission’s Regulations, DTE includes herewith a form of notice summarizing this Application, provided in a format suitable for publication in the Federal Register in conformance with Section 2.1 of the Commission’s Statements of General Policy and Interpretation.

Further, in accordance with Section 385.2011 of the Commission’s Regulations, DTE is submitting this filing with Commission’s Secretary through Commission’s eFiling system, and is providing four complete hard copies of this Application to the Office of Energy Projects. The undersigned represents (i) the hard copies of this Application contain the exact same contents as the electronically-submitted version; (ii) they have read and know the content of both the electronic and hard copy versions; and (iii) the contents set forth in both the electric and hard copy versions are true to the best knowledge and belief of the undersigned.

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45 18 C.F.R. § 157.6(b)(7).
46 Id. § 2.1.
47 Id. § 385.2011.
DTE further requests the Commission treat this Application under Commission Rules 801 and 802 providing for shortened procedures.\footnote{Id. §§ 385.801, 385.802.} DTE respectfully requests the intermediate decision procedure be omitted and waives oral hearing. DTE requests the Commission grant any such further authorizations, relief, and/or waivers as the Commission may deem necessary to enable DTE to perform the actions contemplated herein by this Application.

XVI. CONCLUSION

Wherefore, DTE requests authorization pursuant to section 7(c) of the NGA and Parts 157 and 284 of the Commission’s Regulations as follows: (i) a certificate of public convenience and necessity authorizing DTE to construct, own, and operate the Birdsboro Pipeline Project; (ii) a blanket certificate pursuant to Part 284, Subpart G of the Commission’s Regulations, authorizing DTE to provide open-access transportation services on a self-implementing basis, with pre-granted abandonment approval; (iii) a blanket certificate under Part 157, Subpart F of the Commission’s Regulations, authorizing DTE to construct, operate, and/or abandon certain eligible facilities as described in Part 157, Subpart F, and services related thereto; (iv) approval of DTE’s proposed initial recourse rates for transportation service and its pro forma Tariff, which includes authority to enter into negotiated rate agreements; and (v) such other authorizations and waivers as may be necessary from the Commission for DTE to undertake the activities described herein.
DTE respectfully requests the Commission issue the above-requested authorization on or before December 15, 2017, thereby permitting DTE to commence construction of the Project in a timely manner necessary to meet the Project’s in-service date of June 30, 2018.

Respectfully submitted,

/s/ Jane E. Rueger

Matthew P. Misiak
General Counsel, Gas Storage and Pipelines
DTE Energy Company
One Energy Plaza
Detroit, MI 48226
(313) 235-6030
matthew.misiak@dteenergy.com

Jane E. Rueger
John N. Forbush
White & Case LLP
701 Thirteenth Street, NW
Washington, DC 20005
(202) 626-6534
jrueger@whitecase.com
john.forbush@whitecase.com

Counsel to DTE Midstream Appalachia, LLC

Dated: May 1, 2017
VERIFICATION

State of Michigan
Wayne County

Mark Bering, being first duly sworn, states that as Vice President, GSP Commercial Development, he is authorized to execute this verification on behalf of DTE Midstream Appalachia, LLC; that he has read the foregoing application and is familiar with the contents thereof; and that all allegations of fact therein contained are true and correct to the best of his knowledge, information, and belief.

Mark Bering
Vice President – GSP Commercial Development

Subscribed and sworn to before me
This 1 day of May, 2017

Della Rupkey
Notary Public

My Commission expires
DELLA RUPKEY
NOTARY PUBLIC, STATE OF MI
COUNTY OF MACOMB
MY COMMISSION EXPIRES Dec 27, 2017
ACTING IN COUNTY OF WAYNE
DTE Midstream Appalachia, LLC
Docket No. CP17-___-000
Exhibit A

Articles of Incorporation and Bylaws
MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

FILING ENDORSEMENT

This is to Certify that the ARTICLES OF ORGANIZATION (DOMESTIC L.L.C.) for
DTE MIDSTREAM APPALACHIA, LLC
ID NUMBER: E8759R
received by facsimile transmission on June 27, 2016 is hereby endorsed.
Filed on June 27, 2016 by the Administrator.

This document is effective on the date filed, unless a subsequent effective date within 90 days after received date is stated in the document.

In testimony whereof, I have hereunto set my hand and affixed the Seal of the Department, in the City of Lansing, this 27th day of June, 2016.

Sent by Facsimile Transmission

Julia Dale, Director
Corporations, Securities & Commercial Licensing Bureau
MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CORPORATIONS, SECURITIES & COMMERCIAL LICENSING BUREAU

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<tr>
<td>Elizabeth Querin</td>
<td></td>
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<th>ZIP Code</th>
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<td>48226</td>
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**EFFECTIVE DATE:**

Document will be returned to the name and address you enter above. If left blank, document will be returned to the registered office.

**ARTICLES OF ORGANIZATION**

For use by Domestic Limited Liability Companies  
(Please read information and instructions on reverse side)

Pursuant to the provisions of Act 23, Public Acts of 1993, the undersigned executes the following Articles:

**ARTICLE I**

The name of the limited liability company is: DTE MIDSTREAM APPALACHIA, LLC

**ARTICLE II**

The purpose or purposes for which the limited liability company is formed is to engage in any activity within the purposes for which a limited liability company may be formed under the Limited Liability Company Act of Michigan.

Own and operate gas gathering projects and/or supply laterals

**ARTICLE III**

The duration of the limited liability company if other than perpetual is: ____________________________

**ARTICLE IV**

1. The name of the resident agent at the registered office is: Lisa A. Muschong

2. The street address of the location of the registered office is:

   1 Energy Plaza, 1550 WCB  
   Detroit, Michigan 48226

3. The mailing address of the registered office if different than above:

   ____________________________  
   (P.O. Box or Street Address)  
   (City)  
   Michigan  
   (Zip Code)

**ARTICLE V** (Insert any desired additional provision authorized by the Act; attach additional pages if needed.)

Signed this 27th day of June 2016

By:  
Lisa A. Muschong, Registered Agent

06/27/2016 10:56AM (GMT-04:00)
State Authorization(s)
Foreign Registration Statement

TCO160803JD0112

Fee: $250

In compliance with the requirements of the applicable provisions of 15 Pa.C.S. § 412 (relating to foreign registration statement), the undersigned foreign association hereby states that:

1. The type of association is (check only one):
   - Business Corporation
   - Nonprofit Corporation
   - Limited Liability Company
   - Limited Partnership
   - Limited Liability (General) Partnership
   - Limited Liability Limited Partnership

2. The full and proper name of the foreign association as registered in its jurisdiction of formation is:

   DTE Midstream Appalachia, LLC

2A. If the name in 2 does not contain a required designator or if the name in 2 is not available for use in the Commonwealth, the alternate name under which the association is registering in this Commonwealth is:

   A resolution of the governors adopting the name in 2A for use in registering to do business in this Commonwealth must be attached.

3. The jurisdiction of formation is: Michigan

4. The street and mailing address of the association's principal office.

<table>
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<th>State</th>
<th>Zip</th>
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<td>1 Energy Plaza, 1550 WCB</td>
<td>Detroit</td>
<td>MI</td>
<td>48226</td>
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4A. The street and mailing address of the office, if any, required to be maintained by the law of the association's jurisdiction of formation in that jurisdiction:

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<th>City</th>
<th>State</th>
<th>Zip</th>
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</table>
5. The (a) address of the association's proposed registered office in this Commonwealth or (b) name of its Commercial Registered Office Provider and the county of venue is:

Complete part (a) OR (b) — not both:

(a) ____________________________________________ OR ____________________________________________
Number and street City State Zip County

(b) c/o: ____________________________ Dauphin:
Name of Commercial Registered Office Provider County

6. Check one of the following:
☒ The association may not have series.
☐ The association may have one or more series.

7. Effective date of registration of foreign association (check, and if appropriate complete, one of the following):
☒ The Foreign Registration Statement shall be effective upon filing in the Department of State.
☐ The Foreign Registration Statement shall be effective on: ____________________________ Date (MM/DD/YYYY) at ____________________________ Hour (if any)

8. To be completed by Limited Liability Companies only. Check, and if appropriate complete, one of the following:
☒ The association is a limited liability company which is not organized to render any of the below professional service(s).
☐ The association is a restricted professional limited liability company organized to render one or more of the following professional service(s): (If this box is checked, one or more of the fields below must be checked.)

___ Chiropractic  ___ Dentistry  ___ Law  ___ Medicine and surgery
___ Optometry  ___ Osteopathic medicine and surgery  ___ Podiatric medicine  ___ Public accounting
___ Psychology  ___ Veterinary medicine

IN TESTIMONY WHEREOF, the undersigned association has caused this Foreign Registration Statement to be signed by a duly authorized representative thereof this __________ day of ___________________ 2016.

DTE Midstream Appalachia, LLC

________________________________________
Name of Association

________________________________________
Signature

________________________________________
Title
## Company Officials

The Applicant’s current officers and directors are as follows:

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<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<td>Director</td>
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<td>Peterson, Bruce D.</td>
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<tr>
<td>Anderson, Gerard M.</td>
<td>Chairman</td>
<td>DTE Energy Company One Energy Plaza</td>
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<td>Detroit, MI 48226</td>
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<tr>
<td>Buk, Angela J.</td>
<td>Assistant Treasurer</td>
<td>DTE Energy Company One Energy Plaza</td>
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<td>Detroit, MI 48226</td>
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<tr>
<td>Chavez, JoAnn</td>
<td>Vice President and Chief Tax Officer</td>
<td>DTE Energy Company One Energy Plaza</td>
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<tr>
<td>Hayes, Ann M.</td>
<td>Assistant Corporate Secretary</td>
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<tr>
<td>Misiak, Matthew P.</td>
<td>Vice President and General Counsel</td>
<td>DTE Energy Company One Energy Plaza Detroit, MI 48226</td>
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<td>Murphy, David R.</td>
<td>Assistant Treasurer</td>
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<td>Muschong, Lisa A</td>
<td>Vice President, Corporate Secretary and Chief of Staff</td>
<td>DTE Energy Company One Energy Plaza Detroit, MI 48226</td>
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<tr>
<td>Norcia, Gerardo</td>
<td>Chief Executive Officer</td>
<td>DTE Energy Company One Energy Plaza Detroit, MI 48226</td>
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<tr>
<td>Redmond, Richard L. Jr.</td>
<td>Executive Vice President</td>
<td>DTE Energy Company One Energy Plaza Detroit, MI 48226</td>
</tr>
<tr>
<td>Rolling, Mark C.</td>
<td>Vice President and Treasurer</td>
<td>DTE Energy Company One Energy Plaza Detroit, MI 48226</td>
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<tr>
<td>Slater, David J.</td>
<td>President</td>
<td>DTE Energy Company One Energy Plaza Detroit, MI 48226</td>
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<tr>
<td>Solomon, Edward J.</td>
<td>Assistant Treasurer</td>
<td>DTE Energy Company One Energy Plaza Detroit, MI 48226</td>
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<tr>
<td>Wiesniewski, Sherri L.</td>
<td>Assistant Tax Officer</td>
<td>DTE Energy Company One Energy Plaza Detroit, MI 48226</td>
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</table>
Subsidiaries and Affiliates

The applicant, DTE Midstream Appalachia, LLC (“DTE” or “Applicant”) is a Michigan limited liability company organized in June 2016 so that it may own and operate natural gas transmission facilities and engage in open-access transportation services.

The sole member of DTE, holding 100% membership interest, is DTE Pipeline Company, an indirect, wholly-owned subsidiary of DTE Energy Company (“DTE Energy”), a publicly traded, Detroit-based diversified energy company involved in the development and management of energy-related businesses and services nationwide (NYSE: DTE).

Neither DTE Midstream nor any of its officers or directors directly or indirectly own, control or hold with power to vote 10% or more of the outstanding voting securities of any other person or organized group of persons engaged in production, transportation, distribution or sale of natural gas, or of any person or organized group of persons engaged in the construction or financing of such enterprises or operations.
Location of Facilities
REFERENCE:
**FIGURE 1.1-1**
PROJECT LOCATION MAP
SHEET 3 OF 4

BERDSBORO PIPELINE PROJECT
DTE MIDSTREAM
APPALACHIA, LLC

REFERENCE:

DRAWN BY: SWW  DATE: 3/31/2017
CHECKED: MDO  APPROVED: AML
Environmental Report

The public portion of the Environmental Report for the Project is submitted in *Volume II* and the Privileged and Confidential portions are submitted in *Volume III*. 
Flow Diagrams and Flow Diagrams Data

PUBLIC VERSION

CEII INFORMATION HAS BEEN REMOVED

PURSUANT TO 18 C.F.R § 388.113(d)
Precedent Agreement

PUBLIC VERSION
CONFIDENTIAL INFORMATION HAS BEEN REMOVED
PURSUANT TO 18 C.F.R. 388.112(b)
Federal Authorizations
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<th>Contact Information</th>
<th>Permit/Approval</th>
<th>Status</th>
<th>Submitted Date</th>
<th>Received Date</th>
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<tr>
<td>Federal Energy Regulatory Commission</td>
<td>888 First Street, NE Washington, DC 20426</td>
<td>NGA Section 7(c)</td>
<td>Prefilling process initiated November 2016; Certificate Application submitted May 1, 2017</td>
<td>May 1, 2017</td>
<td>Anticipated December 2017</td>
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<tr>
<td>United States Army Corps of Engineers (USACE), Philadelphia District</td>
<td>Pocono Regulatory Office 253 State Route 435, Suite 4 Clifton Township, PA 18424 (570) 842-1045</td>
<td>Clean Water Act Section 404</td>
<td>Project introductory meeting held in February 2017; Joint Permit Application submitted April 13, 2017</td>
<td>April 13, 2017</td>
<td>Anticipated September 2017</td>
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<td><strong>STATE</strong></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>PA Department of Environmental Protection (PADEP)</td>
<td>Southcentral Regional Office 909 Elmerton Avenue 2nd Floor Harrisburg, PA 17110 Phone: 717-705-4802</td>
<td>Chapter 105 Water Obstruction and Encroachment Permit (Joint Permit)</td>
<td>Joint Permit Application submitted April 13, 2017</td>
<td>April 13, 2017</td>
<td>Anticipated September 2017</td>
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<td>Submerged Lands License Agreement</td>
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<td>Section 401 Water Quality Certification</td>
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<td>Anticipated June 2017</td>
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</tr>
<tr>
<td>PA Game Commission (PGC)</td>
<td>Bureau of Wildlife Habitat Management, Division of Environmental Planning and Habitat Protection 2001 Elmerton Avenue Harrisburg, PA 17110 Phone: 717-787-4250</td>
<td>Threatened and Endangered (T&amp;E) Species Consultation and Clearance</td>
<td>Informal consultation initiated June 2016; Updated Pennsylvania Natural Diversity Inventory Receipt submitted October 11, 2016</td>
<td>June 2016; October 11, 2016</td>
<td>Concurrent with U.S. Fish and Wildlife Service Clearance, Anticipated June 2017</td>
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<td>PA Fish and Boat Commission (PFBC)</td>
<td>Division of Environmental Services, Natural Gas Section 450 Robinson Lane Bellefonte, PA 16823 POC: Greg Lech Phone: 610-847-8772</td>
<td>T&amp;E Species Consultation and Clearance</td>
<td>Informal consultation initiated July 2016; Report submitted March 31, 2017</td>
<td>July 2016; March 31, 2017</td>
<td>Anticipated May 2017</td>
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<td>PA Department of Conservation and Natural Resources (PADCNR)</td>
<td>Bureau of Forestry, Ecological Services Section 400 Market Street PO Box 8552 Harrisburg, PA 17105 POC: Jaci Braund Phone: 717-214-3813</td>
<td>T&amp;E Species Consultation and Clearance</td>
<td>Informal consultation initiated June 2016; additional surveys to be conducted late Summer 2017</td>
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<td>Clearance Received November 2, 2016; Anticipated Fall 2017</td>
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<td></td>
<td>Bureau of Recreation and Conservation 400 Market St., 5th Floor Harrisburg, PA 17101 POC: Kelly Rossiter, AICP Phone: 717-772-3319</td>
<td>PA Scenic Rivers Program Review</td>
<td></td>
<td>April 7, 2017</td>
<td>(June 2017)</td>
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<td>Bureau of Forestry – Forest Resource Planning Section 400 Market Street Harrisburg, PA 17101 POC: Tom Stahl Phone: 717-772-0268</td>
<td>Coordination and Potential Permit</td>
<td>Informal consultation initiated March 2017</td>
<td></td>
<td>Anticipated July 2017</td>
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<tr>
<td>Agency</td>
<td>Contact Information</td>
<td>Permit/Approval</td>
<td>Status</td>
<td>Submitted Date</td>
<td>Received Date</td>
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<td>PA Department of Transportation (PennDOT)</td>
<td>Engineering District 5-0, 1002 Hamilton Street Allentown, PA 18101 POC: Brian Boyer Phone: 610-871-4464</td>
<td>Highway Occupancy Permits</td>
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<td>Anticipated May 2017</td>
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<td>Delaware River Basin Commission (DRBC)</td>
<td>25 State Police Drive PO Box 7360 West Trenton, NJ 08628</td>
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<td>March 2017</td>
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**COUNTY – BERKS COUNTY, PA**

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<th>Status</th>
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<tr>
<td>Berks County Conservation District</td>
<td>1238 County Welfare Road, Leesport, PA 19533 Phone: 610-372-4657</td>
<td>Erosion Sedimentation Control Plan (ESCGP-2)</td>
<td>Submitted April 2017</td>
<td>April 2017</td>
<td>Anticipated June 2017</td>
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DTE Midstream Appalachia, LLC  
Docket No. CP17-__-000  
Exhibit J
Cost of Facilities
## Cost of Service

**BIRDSBORO PIPELINE PROJECT**
**COST OF FACILITIES**

<table>
<thead>
<tr>
<th>Line No.</th>
<th>Description</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>1</td>
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<td>2</td>
<td>Permitting</td>
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<tr>
<td>3</td>
<td>Materials and Facilities</td>
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<tr>
<td>4</td>
<td>Installation</td>
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<tr>
<td>5</td>
<td>Inspection</td>
<td>$1,022,502</td>
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<tr>
<td>6</td>
<td>Engineering</td>
<td>$259,255</td>
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<tr>
<td>7</td>
<td>Survey</td>
<td>$570,361</td>
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<td>8</td>
<td>Environmental</td>
<td>$924,979</td>
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<tr>
<td>9</td>
<td>Other</td>
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<td></td>
<td><strong>Total</strong></td>
<td><strong>$44,819,674</strong></td>
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<tr>
<td>10</td>
<td>AFUDC</td>
<td>$2,457,308</td>
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<td>11</td>
<td>Total Project Costs</td>
<td><strong>$47,276,982</strong></td>
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Revenues, Expenses, Income
Revenues - Expenses - Income

#### BIRDSBORO PIPELINE PROJECT
#### REVENUE - EXPENSES - INCOME

<table>
<thead>
<tr>
<th>Line No.</th>
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<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
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<td>Billing Determinants</td>
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<td>948,000</td>
<td>948,000</td>
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<td>Reservation Rate</td>
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<td>$8.9974</td>
<td>$8.9974</td>
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<td>3</td>
<td>Revenues</td>
<td>$8,529,535</td>
<td>$8,529,535</td>
<td>$8,529,535</td>
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<tr>
<td>4</td>
<td>Operation &amp; Maintenance Expenses</td>
<td>$625,000</td>
<td>$641,000</td>
<td>$657,000</td>
</tr>
<tr>
<td>5</td>
<td>Depreciation Expense</td>
<td>1,337,939</td>
<td>1,337,939</td>
<td>1,337,939</td>
</tr>
<tr>
<td>6</td>
<td>Taxes Other Than Income</td>
<td>72,000</td>
<td>72,000</td>
<td>73,000</td>
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<td>7</td>
<td>Total Expenses</td>
<td>$2,034,939</td>
<td>$2,050,939</td>
<td>$2,067,939</td>
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<td>Gross Income</td>
<td>$6,494,596</td>
<td>$6,478,596</td>
<td>$6,461,596</td>
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<td>Interest Expense</td>
<td>995,000</td>
<td>924,000</td>
<td>857,000</td>
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<td>10</td>
<td>Taxable Income</td>
<td>$5,499,596</td>
<td>$5,554,596</td>
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<td>11</td>
<td>Income Taxes</td>
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<td>2,055,458</td>
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<td>12</td>
<td>Net Income</td>
<td>$3,217,631</td>
<td>$3,390,172</td>
<td>$3,549,138</td>
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Derivation of Initial Rates
Proposed Services

DTE Midstream Appalachia LLC (“DTE”) proposes to offer transportation services for the Birdsboro Pipeline Project (“Birdsboro Pipeline” or “Project”) on an open-access, non-discriminatory basis, under Rate Schedule FT for firm transportation and Rate Schedule IT for interruptible transportation. As described in the pro forma tariff filed under Exhibit P of this Application, service under these two options will be ratable over a 24-hour day.

DTE has utilized the capacity of 79,000 Dth/d as the volume determinants to develop the Project rates. As shown on the work papers included herein, the rates proposed for firm transportation service to shippers on the Project are 100% reservation rates, based on the cost of service developed on Sheets 2 through 8 of this Exhibit P-1.

DTE proposes to use the 100% load factor equivalent of the firm FT rate as the maximum rate for interruptible service on the Birdsboro Pipeline.

Cost of Service

The total cost of service for year one of the Project is $8,529,510 as detailed on Exhibit P-1, Sheet 2. The individual components of the cost of service include:

- Operation and Maintenance (“O&M”) expense of $625,000 which includes both direct-charged field-related O&M and Administrative and General (“A&G”) expense.

- Depreciation expense of $1,337,939 reflecting book depreciation of transmission plant on a straight-line basis over a 40-year period and depreciation of metering equipment on a straight-line basis over a 20-year period. This equates to a 2.83% composite annual depreciation rate.

- Other taxes of $72,000 which represents estimated payroll taxes.

- Pre-tax return allowance of $5,499,571 reflecting return on total capital costs including initial capital investment and non-cash working capital for material and supplies.
Exhibit P-1, Sheets 1-8 detail three years of expected costs for providing service on the Birdsboro Pipeline, excluding lost and unaccounted-for gas (“L&U”). Those L&U costs will be recovered through in-kind retention and are not monetized as part of DTE’s rates.

**Operation and Maintenance Expense**

The annual Operation and Maintenance ("O&M") expense, which includes both direct-charge field related O&M and Administrative and General ("A&G") costs, is based on the anticipated level of field labor and overhead expenses to be allocated by DTE Pipeline’s corporate parent. The year one O&M and A&G expenses are shown on Sheet 3 of Exhibit P-1 and are increased each year thereafter by an annual inflation rate of 2% to account for inflationary pressures in labor and other operating costs.

**Depreciation Expense**

Annual depreciation expense shown on Sheet 4 of Exhibit P-1 is based on a projected 40-year life of the Birdsboro Pipeline. This presumes that the pipeline will remain used and useful after the expiration of the 20-year contract term of DTE’s Foundation Shipper. Using the straight-line book depreciation method, the resulting annual depreciation rate for pipeline plant is 5.0%. DTE Pipeline intends to install state-of-the-art ultrasonic metering at its receipt and delivery points. Industry precedent supports the assumption that the electronic components of ultrasonic meters will wear out and require replacement more quickly than the pipeline as a whole. Therefore, the estimated capital investment required in ultrasonic metering is depreciated at 5% annually, assuming a 20-year useful life. Based on these assumptions, a composite 2.83% depreciation rate is applied to the total depreciable gas plant in service to compute annual depreciation expense. Depreciation is not applied to linepack. This calculation of depreciation expense is detailed on Sheet 4 of Exhibit P-1.

**Other Taxes**

Taxes Other Than Income, shown on line 6 of Exhibit N, represents estimated payroll taxes of $72,000 using the current tax rate of 7.65% for FICA and Medicare. DTE assumes that no property taxes will be assessed to the project, as DTE anticipates that the only property interests acquired will be rights-of-way, which are non-taxable. The calculation of other taxes is detailed on Exhibit P-1, Sheet 4.
Pre-Tax Return

Underlying Birdsboro Pipeline’s total pre-tax return allowance is an imputed capital structure of 50% equity and 50% percent debt with a 14% return on equity and a cost of debt of 4.5%. The total pre-tax return is 14.21%. The derivation of the pre-tax return percentage is demonstrated on Sheet 8 of Exhibit P-1.

Cost Allocation and Rate Design

The Birdsboro Pipeline is configured as a straight pipeline.

Due to its “soda straw” linear design, the recourse rates for the Birdsboro Pipeline reflect a postage-stamp rate design. This postage-stamp design reasonably reflects the size and configuration of the pipeline and reflects the fact that service across the pipeline is indistinguishable, using all facilities on the pipeline to transport gas from receipt to delivery. The pipeline does not “telescope” in size from receipt to delivery, nor is there any scale or scope cost savings associated with shorter hauls at this time.

DTE is proposing to use the Straight Fixed-Variable (“SFV”) method to design the pro forma firm transportation rate. Under the SFV method, the reservation rate is designed to recover all fixed costs. As a short pipeline with no compression DTE Pipeline does not anticipate that there will be any variable costs associated with its services and has therefore set the initial usage rate for FT service at zero.

Firm Service Rate Design

Birdsboro Pipeline derived the rate for firm transportation under Rate Schedule FT using the total sustainable capacity of the pipeline, which will be 79,000 dekatherms (“Dth”) per day. Assuming annual fixed transportation costs of $8,529,510 shown on Sheet 1 of Exhibit P-1, the resulting monthly reservation rate is computed as follows:
$ \text{Cost of Service} \div \text{Annual Billing Determinants} \div 12 \text{ months} = $8.9974 \text{ per Dth per month}

**Interruptible Service Rate Design**

The rate for interruptible transportation under Rate Schedule IT is a derivative of the Rate Schedule FT rate and is based on a 100% load factor, which is computed as follows:

\[
(8.9974 \times 12 \div 365) = 0.2958 \text{ per Dth}
\]

Due to the limited receipt and delivery opportunities of the pipeline, DTE is not projecting any activity for Rate Schedule IT service and, therefore, did not credit any revenues to its projected cost of service. However, should DTE transport any gas under Rate Schedule IT and realize revenues that exceed its variable costs and applicable surcharges associated with those transactions, DTE proposes to credit back 100% of its Rate Schedule IT revenues that exceed such variable costs and surcharges in accordance with Section 31 of the pro forma tariff included as Exhibit P-2 to this application.

**Excessive Overrun Charges**

Section 5.5 of both Rate Schedule FT and Rate Schedule IT provide that if a Shipper should on any day take or receive a quantity of natural gas in excess of that which Shipper is authorized to take or receive under its FT or IT service agreement, including in excess of its MDQ, MHQ, or Scheduled Quantities, then such quantity shall be deemed to be an excess overrun quantity. For all such excess overrun quantities, DTE Pipeline may invoice the Shipper a charge in the amount equal to $25.00 per Dth for quantities tendered or taken by Shipper in excess of 100% of its MDQ or MHQ or Scheduled Quantities. Provided, however, that if there is no harm suffered by Transporter or others Shippers, Transporter shall waive such charge.

DTE proposes that revenues collected from both Excessive Overrun Charges/Penalties that are in excess of the cost of providing transportation service associated with the excessive overrun activity will be credited annually to all non-offending firm transportation shippers by invoice credit. This mechanism is detailed further in Section 10.6 of the GT&C in the pro forma tariff included as Exhibit P-2 of this application.
**Birdsboro Pipeline**  
**Derivation of Firm and Interruptible Transportation Rates**

<table>
<thead>
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<th>Line No.</th>
<th>Description</th>
<th>Amount</th>
<th>Source</th>
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<td>Sheet 2, Line 6</td>
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**Rate Derivation:**

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<td>Firm Pipeline Capacity (Mcf/d)</td>
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<td>Maximum Reservation Charge ($/Dth per month)</td>
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<td>Line 1 / Line 3</td>
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<td>Interruptible Transportation Rate (100% Load Factor)</td>
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<td>Line $4 \times 12 / 365</td>
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<td>Line No.</td>
<td>Description</td>
<td>Year 1</td>
<td>Year 2</td>
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<td>1</td>
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<td>$625,000</td>
<td>$637,500</td>
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<tr>
<td>2</td>
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<td>$1,337,939</td>
<td>$1,337,939</td>
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<tr>
<td>3</td>
<td>Taxes Other Than Income</td>
<td>$72,000</td>
<td>$72,000</td>
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<td>4</td>
<td>Income Taxes</td>
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Sum of Lines 1 - 5
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<th>Year 2</th>
<th>Year 3</th>
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<td>$ 305,618</td>
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<td>Compressor Station O&amp;M</td>
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<td>Metering &amp; Regulation O&amp;M</td>
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<td>Administrative &amp; General</td>
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<td>Total Operating Expenses</td>
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## Birdsboro Pipeline
### Depreciation Expense and Other Taxes

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<th>Year 2</th>
<th>Year 3</th>
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<td>$ 1,337,939</td>
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<td>Taxes Other Than Income</td>
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<td>6</td>
<td>Property Taxes</td>
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<td>$ -</td>
<td>$ -</td>
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<td>10</td>
<td>Payroll Taxes</td>
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</tr>
<tr>
<td>11</td>
<td>Labor Costs</td>
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<td>Line No.</td>
<td>Description</td>
<td>Year 1</td>
<td>Year 2</td>
<td>Year 3</td>
</tr>
<tr>
<td>---------</td>
<td>-----------------------------------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>-----------------</td>
</tr>
<tr>
<td></td>
<td>Rate Base</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Plant in Service</td>
<td>$ 47,276,982</td>
<td>$ 47,276,982</td>
<td>$ 47,276,982</td>
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<tr>
<td>2</td>
<td>Accumulated Depreciation</td>
<td>$(1,337,939)</td>
<td>$(2,675,877)</td>
<td>$(4,013,816)</td>
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<tr>
<td>3</td>
<td>Net Plant</td>
<td>$ 45,939,043</td>
<td>$ 44,601,105</td>
<td>$ 43,263,166</td>
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<tr>
<td></td>
<td>Working Capital</td>
<td>$ -</td>
<td>$ -</td>
<td>$ -</td>
</tr>
<tr>
<td>4</td>
<td>Materials &amp; Supplies</td>
<td>$ -</td>
<td>$ -</td>
<td>$ -</td>
</tr>
<tr>
<td>5</td>
<td>Accumulated Deferred Income Tax</td>
<td>$(397,350)</td>
<td>$(1,618,700)</td>
<td>$(2,666,093)</td>
</tr>
<tr>
<td>6</td>
<td>Total Rate Base</td>
<td>$ 45,541,693</td>
<td>$ 42,982,405</td>
<td>$ 40,597,073</td>
</tr>
<tr>
<td>7</td>
<td>Rate of Return</td>
<td>9.25%</td>
<td>9.25%</td>
<td>9.25%</td>
</tr>
<tr>
<td>8</td>
<td>Return Allowance</td>
<td>$ 4,212,607</td>
<td>$ 3,975,872</td>
<td>$ 3,755,229</td>
</tr>
</tbody>
</table>
## Birdsboro Pipeline
### Deferred Income Taxes

<table>
<thead>
<tr>
<th>Line No.</th>
<th>Description</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Depreciable Plant for Tax Purposes</td>
<td>$ 44,130,000</td>
<td>$ 44,130,000</td>
<td>$ 44,130,000</td>
</tr>
<tr>
<td>2</td>
<td>Tax Depreciation Rates (15 Yr. MACRS)</td>
<td>5.00%</td>
<td>9.50%</td>
<td>8.55%</td>
</tr>
<tr>
<td>3</td>
<td>Tax Depreciation</td>
<td>$ 2,206,500</td>
<td>$ 4,192,350</td>
<td>$ 3,773,115</td>
</tr>
<tr>
<td>4</td>
<td>Depreciable Plant for Book Purposes</td>
<td>$ 44,130,000</td>
<td>$ 44,130,000</td>
<td>$ 44,130,000</td>
</tr>
<tr>
<td>5</td>
<td>Book Depreciation Rate</td>
<td>2.83%</td>
<td>2.83%</td>
<td>2.83%</td>
</tr>
<tr>
<td>6</td>
<td>Book Depreciation</td>
<td>$ 1,248,879</td>
<td>$ 1,248,879</td>
<td>$ 1,248,879</td>
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<tr>
<td>7</td>
<td>Timing Difference</td>
<td>$ (957,621)</td>
<td>$ (2,943,471)</td>
<td>$ (2,524,236)</td>
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<tr>
<td>8</td>
<td>Deferred Taxes @ Composite Tax Rate of</td>
<td>$ (397,350)</td>
<td>$ (1,221,349)</td>
<td>$ (1,047,394)</td>
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</tbody>
</table>
## Birdsboro Pipeline

### Income Taxes

<table>
<thead>
<tr>
<th>Line No.</th>
<th>Description</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Return</td>
<td>$4,212,607</td>
<td>$3,975,872</td>
<td>$3,755,229</td>
</tr>
<tr>
<td></td>
<td><strong>Adjustments:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Interest &amp; Debt Expense</td>
<td>$(995,000)</td>
<td>$(924,000)</td>
<td>$(857,000)</td>
</tr>
<tr>
<td>3</td>
<td>Amortization of Equity AFUDC</td>
<td>$-</td>
<td>$-</td>
<td>$-</td>
</tr>
<tr>
<td>4</td>
<td><strong>Total Adjustments</strong></td>
<td>$(995,000)</td>
<td>$(924,000)</td>
<td>$(857,000)</td>
</tr>
<tr>
<td>5</td>
<td>Net Taxable Income</td>
<td>$3,217,607</td>
<td>$3,051,872</td>
<td>$2,898,229</td>
</tr>
<tr>
<td>6</td>
<td>Effective Tax Rate</td>
<td>41.49%</td>
<td>41.49%</td>
<td>41.49%</td>
</tr>
<tr>
<td>7</td>
<td>Pre-Tax Gross Up Factor</td>
<td>1.7092</td>
<td>1.7092</td>
<td>1.7092</td>
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<tr>
<td>8</td>
<td>Pre-Tax Return on Equity</td>
<td>$5,499,571</td>
<td>$5,216,296</td>
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<tr>
<td>9</td>
<td>Total Income Tax</td>
<td>$2,281,965</td>
<td>$2,164,424</td>
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<tr>
<td>Line No.</td>
<td>Description</td>
<td>Percent</td>
<td>Cost</td>
<td>Weighted</td>
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<tr>
<td>---------</td>
<td>----------------------------------</td>
<td>---------</td>
<td>------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(A)</td>
<td>(B)</td>
<td>(C)</td>
</tr>
<tr>
<td>1</td>
<td>Debt</td>
<td>50%</td>
<td>4.50%</td>
<td>2.25% Col B x Col C</td>
</tr>
<tr>
<td>2</td>
<td>Equity</td>
<td>50%</td>
<td>14.00%</td>
<td>7.00% Col B x Col C</td>
</tr>
<tr>
<td>3</td>
<td>Total Income Tax Allowance</td>
<td>41.49%</td>
<td></td>
<td>9.25% Sum of Lines 1 &amp; 2</td>
</tr>
<tr>
<td>4</td>
<td>Total Pre-Tax Return</td>
<td></td>
<td></td>
<td>14.21% Sum of Lines 3 &amp; 4</td>
</tr>
<tr>
<td>5</td>
<td>Check of Pre Tax Return</td>
<td></td>
<td></td>
<td>14.21% Line 2 Col D / (1-Line 4 Col C) + Line 1 Col D</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line No.</td>
<td>Description</td>
<td>Statutory Rate</td>
<td>Effective Rate</td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>-------------------</td>
<td>----------------</td>
<td>---------------------------</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PA - Tax Rate</td>
<td>9.99%</td>
<td>6.49%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(1 - Line 2 Col B) x Line 1 Col B</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Federal Tax Rate</td>
<td>35.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Calculated Rate</td>
<td></td>
<td>41.4935%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Line 1 Col C + Line 2 Col B</td>
<td></td>
</tr>
</tbody>
</table>
Pro Forma Tariff

Certain placeholders have been inserted in the *pro forma* tariff for information that is not currently available. This information will be included in the tariff when filed through eTariff 30-60 days prior to the in-service date.
FERC GAS TARIFF

ORIGINAL VOLUME NO. 1

OF

DTE Midstream Appalachia, LLC

FILED WITH THE

FEDERAL ENERGY REGULATORY COMMISSION

Communications Concerning This Tariff Should Be Addressed To:

Mark Bering
Vice President, Commercial Development – DTE Gas Storage & Pipelines
DTE Midstream Appalachia, LLC
One Energy Plaza, 2130 WCB
Detroit, Michigan 48226

Telephone: 313 235 6531
Email: mark.bering@dteenergy.com
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<td>6</td>
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<td>7</td>
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<tr>
<td>General Terms and Conditions</td>
<td>8.1-8.29</td>
</tr>
<tr>
<td>Form of Service Agreement:</td>
<td></td>
</tr>
<tr>
<td>Firm and Interruptible Transportation Agreement</td>
<td>9</td>
</tr>
</tbody>
</table>
PRELIMINARY STATEMENT

DTE Midstream Appalachia, LLC (“Transporter”), a limited liability company, owns and operates a natural gas pipeline under a certificate of public convenience and necessity issued by the Federal Energy Regulatory Commission (“Commission” or “FERC”) under section 7(c) of the Natural Gas Act (“NGA”), and pursuant to a blanket certificate issued to Transporter for the activities specified in Part 284 of the Commission’s regulations, as amended from time to time. Such pipeline facilities (the “Pipeline”) located in Berks County, Pennsylvania extend from an interconnection with Texas Eastern Transmission, LP to an interconnection with a natural gas fired power plant in Birdsboro, Pennsylvania. Transporter is a “natural gas company” as defined by the Natural Gas Act (“NGA”), 15 U.S.C. Section 717-717w, and is subject to FERC jurisdiction. Transporter is engaged in the transportation of natural gas in interstate commerce. Transporter does not own or operate any storage facilities.

The location of Transporter’s facilities and the points at which it receives and delivers gas are shown on the System Map.
The currently effective system map is available at the internet website link below:

[INSERT LINK TO MAP ON BIRDSBORO SITE]
NOTICE OF RATES

(Rates Per Dekatherm)

Rate Schedule

<table>
<thead>
<tr>
<th>Monthly Reservation Fees</th>
<th>Base Tariff Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT - Max</td>
<td>$8.9974</td>
</tr>
<tr>
<td>FT - Min</td>
<td>$0.00</td>
</tr>
<tr>
<td>IT - Max</td>
<td>$0.2958</td>
</tr>
<tr>
<td>IT - Min</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

FL&U Charges

| FL&U Percentage | 0.00% |

Additional notes:

1/ The maximum Volumetric Firm Rate for Capacity Release is $0.2958.

2/ An ACA surcharge is added to each usage rate to the extent provided in Section 28 of the General Terms and Conditions in this Tariff. The ACA surcharge shall be as posted on the Commission website at www.ferc.gov.
NEGOTIATED RATES

(Rates Per Dekatherm)

Shipper #1 Name: Birdsboro Power, LLC
Schedule: FT
Negotiated Rate: The preliminary fixed monthly demand charge is $0.2581 per Dth, subject to adjustment based upon actual construction costs as set forth in Exhibit A to the FT Transportation Service Agreement.
Term of Agreement: Twenty (20) years from the effective date.
Contracted Capacity: 79,000 Dekatherms per Day (MDQ); 3,292 Dekatherms per hour (MHQ)
Primary Receipt Point: Texas Eastern
Primary Delivery Point: Interconnect with Birdsboro Power, LLC plant line in Birdsboro, Pennsylvania
FL&U: pro rata share of actual fuel, losses and unaccounted for gas, adjusted on a seasonal basis.

The negotiated rate transportation agreements with the above parties are described above and conform in all material respects with its pro forma service agreement and do not violate the Alternative Rate Policy Statement or the Commission’s negotiated rate policies.

1/ All applicable surcharges apply including ACA surcharge as posted on the Commission’s website at www.ferc.gov, and FL&U.
Section 6, Rate Schedules: Firm Transportation (FT) Service, 1.0.0

RANGE SCHEDULE FT
FIRM TRANSPORTATION SERVICE

1. AVAILABILITY

This Rate Schedule is available for the transportation of natural gas on a firm basis by Transporter for any Shipper that completes a valid request for service under the authority and provisions of Part 284 of the regulations of the Commission, is awarded firm capacity under Section 3 hereof and executes a Firm Transportation Service Agreement ("FT Agreement") consistent with this Rate Schedule FT.

2. APPLICABILITY AND CHARACTER OF SERVICE

The service rendered hereunder shall be the transportation of natural gas up to the maximum daily quantity (MDQ) and maximum hourly quantity (MHQ) set out in the FT Agreement. Such service is performed under Subparts B and G of Part 284 of the Commission’s Regulations and pursuant to an FT Agreement. Transporter shall not be required to install, operate or maintain any additional facilities in order to provide transportation service under this Rate Schedule except as provided in Section 5.2 of this Rate Schedule. Service shall be provided on a firm basis; provided, however, that scheduling of service is subject to, and service may be curtailed consistent with, Section 9 of the General Terms and Conditions in this Tariff. If Shipper desires transportation of Gas on any Day under this Rate Schedule, Shipper must nominate and schedule in accordance with section 9 of the GT&C. Shipper has no right to nominate or deliver overrun quantities, however Transporter may (in its sole discretion) allow overrun on a non-discriminatory basis. Transporter shall not be required to provide compression services to any Shipper.

3. REQUESTS FOR CAPACITY; AWARD OF CAPACITY

3.1 Eligibility for Service: Any entity which meets the credit standards set out in the General Terms and Conditions of this Tariff may request service under this Rate Schedule FT. A request for service must comply with Section 5 of the General Terms and Conditions of this Tariff.

3.2 Capacity: Acceptance of a request is contingent on the availability of uncommitted system firm capacity sufficient to provide the requested firm service to Shipper.

3.3 Award of Capacity: Transporter may, but is not obligated to, accept any request for service at less than the applicable maximum rate. Transporter will apply objective economic analysis in awarding capacity. If several valid requests for capacity are pending which exceed the availability of uncommitted firm capacity, Transporter shall evaluate such requests based on the net present value of incremental revenue under the respective requests, reflecting volume, term, and the minimum rate Transporter will accept for the service. If a request is not accepted by Transporter within ten (10) days, then it shall be deemed denied.

3.4 Applicability of Tariff: Submission of a request for service hereunder shall be deemed agreement by Shipper that it will abide by the terms and conditions of this Rate Schedule, including the applicable General Terms and Conditions, if awarded capacity.
4. DELIVERIES AND RECEIPTS

4.1 Primary Receipt Points: Primary receipt point(s) for all gas transported by Transporter under this Rate Schedule shall be at the mutually agreeable interconnection(s) between Transporter’s system and the connecting facilities shown on Exhibit A to the FT Agreement, consistent with Section 5.2 of the General Terms and Conditions of this Tariff. Transporter shall not be required under any circumstances to receive gas at any receipt point where: (1) the total quantity of gas scheduled for receipt on any Day is less than that required for the accurate measurement of quantities to be received; (2) Shipper has failed to make and properly implement all necessary arrangements on upstream entities; or (3) Shipper has failed to nominate such quantities consistent with Section 9 of the General Terms and Conditions of this Tariff.

4.2 Primary Delivery Points: Primary delivery point(s) for all gas transported by Transporter under this Rate Schedule shall be at the mutually agreeable interconnection(s) between Transporter’s system and the connecting facilities shown on Exhibit A to the FT Agreement, consistent with Section 5.2 of the General Terms and Conditions of this Tariff. Transporter shall not be required under any circumstances to deliver gas at any delivery point where: (1) the total quantity of gas scheduled for delivery on any Day is less than that required for the accurate measurement of quantities to be delivered; (2) Shipper has failed to make and properly implement all necessary arrangements on downstream entities; or (3) Shipper has failed to nominate such quantities consistent with Section 9 of the General Terms and Conditions of this Tariff.

4.3 Receipt and Delivery Quantities: Transporter shall receive and deliver natural gas throughout the Day in accordance with the Scheduled Quantities up to the MDQ and MHQ, as applicable, and in accordance with any limitations imposed by any upstream or downstream interconnecting pipelines with respect to the Scheduled Quantities. Transporter reserves the right to force balance (by curtailing receipts or deliveries or issuing an OFO as applicable) any Shipper not balancing receipts with deliveries.

4.4 Changing Primary Receipt and Delivery Points: Subject to the availability of firm point and segment capacity and the agreement of Transporter, Shipper may change the primary receipt or delivery points under its FT Agreement (including redistributing the MDQ among points) by a mutually agreeable amendment of Exhibit A to the FT Agreement, as applicable. If there are other requests pending for such capacity, the award of capacity shall be consistent with Section 3 of this Rate Schedule FT. Shipper shall lose its priority at previously designated primary receipt and delivery points to the extent that the amendment reduces the MDQ at any such point.

4.5 Secondary Receipt and Delivery Points: Shipper may use as a secondary receipt any other receipt point on Transporter’s system, and may use as a secondary delivery point any other delivery point on Transporter’s system, by notifying Transporter in Shipper’s nomination. A Shipper may also use a primary receipt point as a secondary receipt point, or a primary delivery point as a secondary delivery point, to the extent that Shipper nominates quantities at the primary point in excess of the Shipper’s MDQ for that primary point; provided that its total nominations under that FT Agreement are less than or equal to the MDQ under the FT Agreement. A Shipper’s rights under this Rate Schedule to use a secondary receipt or delivery point shall be superior to all interruptible shippers’ nominations at that point, but inferior to the rights of all shippers under FT Agreements using that point as a primary delivery or receipt point, except in Intraday 3 Nomination Cycle, consistent with Section 9 in the General Terms and Conditions of this Tariff.

5. RATES AND CHARGES
5.1 **Transportation Rates:** Except to the extent Transporter and Shipper have agreed in writing to a discounted rate, or to a negotiated rate pursuant to Section 26 of the General Terms and Conditions, the applicable rates for service under this FT Rate Schedule are the applicable maximum Reservation and Usage Rates shown on the effective Notice of Rates. The Monthly Invoice for service under an FT Agreement shall be equal to:

(a) **Reservation Fee:** A reservation fee determined under this Section 5.1 multiplied by the MDQ as specified in the FT Agreement;

(b) **Usage Charge:** The applicable usage charge under this Section 5.1 multiplied by the dekatherms of natural gas received in the Month pursuant to this Rate Schedule;

(c) **FL&U Charge:** A volumetric portion of the gas retained by the Transporter calculated by using the applicable FL&U percentage set forth on the Notice of Rates multiplied by the dekatherms of natural gas received in the Month pursuant to this Rate Schedule;

(d) **ACA Surcharge:** To the extent provided in Section 28 of the General Terms and Conditions of this Tariff, the ACA Surcharge posted on the Commission’s website at www.ferc.gov, multiplied by the dekatherms of natural gas received for Shipper in the Month pursuant to this Rate Schedule; and

(e) If applicable, any other charges pursuant to Section 5 of this Rate Schedule or the General Terms and Conditions of this Tariff.

5.2 **Future New Facilities:**

(a) In addition to the charges pursuant to Section 5.1 of this Rate Schedule, after the initial in-service date of Transporter’s Pipeline, if Transporter agrees to construct additional facilities for service requested by Shipper, Transporter shall charge Shipper an advance equal in amount to 100% of the estimated costs (including a gross-up for the income tax effects or reimbursement) of facilities constructed at the Shipper’s request in order to provide transportation service under this Rate Schedule. Further, Transporter shall charge Shipper an advance equal in amount to 100% of the estimated costs (including a gross-up for the income tax effects of reimbursement) to be incurred by Transporter for appurtenant facilities and equipment, including but not limited to electronic custody transfer equipment, metering facilities, chromatographs, flow or pressure controllers or other measurement or metering facilities. Such estimated advance payments shall be subject to true-up to actual costs incurred by Transporter for the construction of transportation and appurtenant facilities within 30 days following completion of construction of such facilities.

(b) Alternatively, if Transporter and Shipper mutually agree, the costs of such facilities as determined pursuant to Section 5.2(a) of this Rate Schedule may be recovered through an additional monthly charge over an agreed period.

5.3 **Incidental Charges:** In addition to the charges pursuant to Sections 5.1 and 5.2 of this Rate Schedule, Transporter shall charge Shipper an amount to reimburse Transporter 100% for any filing or similar fees, and if applicable, sales or use tax that have not been previously paid by Shipper, which Transporter incurs in establishing or rendering service. Shipper shall also pay Transporter any applicable penalties or charges specified in the General Terms and Conditions of this Tariff.
5.4 FL&U: Transporter shall deduct from the quantity tendered to Transporter by Shipper for redelivery an amount of gas sufficient to compensate Transporter for fuel gas, electricity, line loss and other utility purposes, plus other unaccounted for gas used in the operation of Transporter’s pipeline system in connection with such transportation.

5.5 Excess Overrun Charge: If Shipper should on any Day take or receive under this Rate Schedule a quantity of natural gas in excess of that which Shipper is authorized to take or receive under its FT Agreement or Tariff (including in excess of its MDQ, MHQ, or Scheduled Quantities), then such quantity shall constitute an excess overrun quantity. For all such excess overrun quantities, Transporter may invoice Shipper (and Shipper shall pay if so invoiced) an Excess Overrun Charge equal to the quantity of gas tendered or taken by Shipper in excess of 100% of its MDQ or MHQ or Scheduled Quantities multiplied by the Excess Overrun Price. The “Excess Overrun Price” shall be three (3) times the daily Gas Daily posting for the Day on which excess overrun quantities occurred for the high “Common” price for Texas Eastern M-3. Provided, however, in the event Transporter is able to provide firm service that has been nominated in accordance with the terms of Transporter’s Tariff, then Transporter shall waive such charge under this paragraph.

5.6 Right to File Rate Changes: Transporter shall have the unilateral right to file with the appropriate regulatory agency and make changes effective in the rates and charges or the terms and conditions of this Rate Schedule or the applicable General Terms and Conditions. Shipper may protest or contest any such filing in accordance with FERC procedures.

6. GENERAL TERMS AND CONDITIONS

6.1 The General Terms and Conditions of this Tariff are incorporated by reference into this Rate Schedule.

6.2 In the event of a conflict between the provisions of this Rate Schedule and the General Terms and Conditions of this Tariff, the provisions of the General Terms and Conditions shall govern.
RATE SCHEDULE IT
INTERRUPTIBLE TRANSPORTATION SERVICE

1. AVAILABILITY

This Rate Schedule is available for the transportation of natural gas on an interruptible basis by Trans- porter for any Shipper that makes a valid request for interruptible service and executes an Interruptible Transportation Service Agreement (“IT Agreement”) consistent with this Rate Schedule IT, subject to the availability of capacity from time to time sufficient to provide such service without detriment or disadvantage to Transporter’s firm transportation customers, under the authority and provisions of Part 284 of the regulations of the Commission.

2. APPLICABILITY AND CHARACTER OF SERVICE

The service rendered hereunder shall be the transportation of natural gas up to the Maximum Interruptible Quantity (MIQ) set out in the IT Agreement performed under Subparts B and G of Part 284 of the Commission’s Regulations. Service shall be on an interruptible basis and interruption of service includes decreasing, suspending, or discontinuing either the receipt or delivery of gas at any time. Interruption and availability of interruptible capacity shall be in accordance with Section 9 in the General Terms and Conditions of this Tariff. Transporter shall not be required to install, operate or maintain any additional facilities in order to provide transportation service under this Rate Schedule, except as provided in Section 5.2 of this Rate Schedule. If Shipper desires transportation of Gas on any Day under this Rate Schedule, Shipper must nominate and schedule in accordance with section 9 of the GT&C. Shipper has no right to nominate or deliver overrun quantities. Transporter shall not be required to provide compression services to any Shipper.

3. CONTRACTING

Transporter shall enter into an IT Agreement with any Shipper which meets the credit standards in the General Terms and Conditions of this Tariff and submits a valid request consistent with Section 5 of the General Terms and Conditions of this Tariff. Submission of a request for service hereunder shall be deemed agreement by Shipper that it will abide by the terms and conditions of this Rate Schedule IT, including the applicable General Terms and Conditions of this Tariff.

4. DELIVERIES AND RECEIPTS

4.1 Receipt Points: All receipt points on Transporter’s system shall be available as receipt points for gas transported under this Rate Schedule. Transporter shall not be required under any circumstances to receive gas at any receipt point where: (1) the total quantity of gas scheduled for receipt on any Day is less than that required for the accurate measurement of quantities to be received; (2) Shipper has failed to make and properly implement all necessary upstream arrangements on upstream entities; or (3) Shipper has failed to nominate such quantities consistent with Section 9 of the General Terms and Conditions of this Tariff.

4.2 Delivery Points: All delivery points on Transporter’s system shall be available as delivery points for gas transported under this Rate Schedule. Transporter shall not be required under
any circumstances to deliver gas at any delivery point where: (1) the total quantity of gas scheduled for delivery on any Day is less than that required for the accurate measurement of quantities to be delivered; (2) Shipper has failed to make and properly implement all necessary downstream arrangements on downstream entities; or (3) Shipper has failed to nominate such quantities consistent with Section 9 in the General Terms and Conditions of this Tariff.

4.3 **Receipt and Delivery Quantities:** Transporter shall receive and deliver natural gas throughout the Day in accordance with the Scheduled Quantities up to the MIQ and MHQ, and in accordance with any limitations imposed by any upstream or downstream interconnecting pipelines with respect to the Scheduled Quantities. Transporter reserves the right to force balance (by curtailing receipts or deliveries as applicable) any Shipper not balancing receipts with deliveries.

5. **RATES AND CHARGES**

5.1 **Transportation Rates:** Except to the extent Transporter and Shipper have agreed in writing to a discounted rate, or to a negotiated rate pursuant to Section 26 of the General Terms and Conditions, the transportation rate is the maximum IT rate shown on the effective Notice of Rates. The Monthly Invoice for service shall equal:

(a) **Usage Charge:** The applicable IT Rate multiplied by the dekatherms of natural gas received by Transporter for Shipper in the Month pursuant to this Rate Schedule;

(b) **FL&U Charge:** A volumetric portion of the gas retained by the Transporter calculated by using the applicable gas percentage set forth on the Notice of Rates multiplied by the dekatherms of natural gas received in the Month pursuant to this Rate Schedule;

(c) **ACA Surcharge:** To the extent provided in Section 28 of the General Terms and Conditions of this Tariff, the ACA Surcharge posted on the Commission’s website at www.ferc.gov, multiplied by the dekatherms of natural gas received for Shipper in the Month pursuant to this Rate Schedule; and

(d) If applicable, any other charges pursuant to Section 5 of this Rate Schedule or the General Terms and Conditions of this Tariff.

5.2 **Future New Facilities:**

(a) In addition to the charges pursuant to Section 5.1 of this Rate Schedule, after the initial in-service date of Transporter’s Pipeline, if Transporter agrees to construct additional facilities for service requested by Shipper, Transporter shall charge Shipper an advance equal in amount to 100% of the estimated costs (including a gross-up for the income tax effects or reimbursement) of facilities constructed at the Shipper’s request in order to provide transportation service under this Rate Schedule. Further, Transporter shall charge Shipper an advance equal in amount to 100% of the estimated costs (including a gross-up for the income tax effects of reimbursement) to be incurred by Transporter for appurtenant facilities and equipment, including but not limited to electronic custody transfer equipment, metering facilities, chromatographs, flow or pressure controllers or other measurement or metering facilities. Such estimated advance payments shall be subject to true-up to actual costs incurred by Transporter for the construction of transportation and appurtenant facilities within 30 days following completion of construction of such facilities.

(b) Alternatively, if Transporter and Shipper mutually agree, the costs of
such facilities as determined under Section 5.2(a) of this Rate Schedule, shall be recovered through an additional monthly charge over an agreed period.

5.3 Incidental Charges:

In addition to the charges pursuant to Sections 5.1 and 5.2 of this Rate Schedule, Transporter shall charge Shipper an amount to reimburse Transporter 100% for any filing or similar fees and, if applicable, sales or use tax that have not been previously paid by Shipper that Transporter incurs in establishing or rendering service. Shipper shall also pay any penalties or other applicable charges set out in the General Terms and Conditions of this Tariff.

5.4 FL&U: Transporter shall deduct from the quantity tendered to Transporter by Shipper for redelivery an amount of gas sufficient to compensate Transporter for fuel gas, electricity, line loss and other utility purposes, plus other unaccounted for gas used in the operation of Transporter’s pipeline system in connection with such transportation.

5.5 Excess Overrun Charge: If Shipper should on any Day take or receive under this Rate Schedule a quantity of natural gas in excess of that which Shipper is authorized to take or receive under its IT Agreement or Tariff (including in excess of its MIQ, MHQ, or Scheduled Quantities), then such quantity shall constitute an excess overrun quantity. For all such excess overrun quantities, Transporter may invoice Shipper (and Shipper shall pay if so invoiced) an Excess Overrun Charge equal to the quantity of gas tendered or taken by Shipper in excess of 100% of its MDQ or MHQ or Scheduled Quantities multiplied by the Excess Overrun Price. The “Excess Overrun Price” shall be three (3) times the daily Gas Daily posting for the Day on which excess overrun quantities occurred for the high “Common” price for Texas Eastern M-3. Provided, however, that in the event Transporter is able to provide firm service that has been nominated in accordance with the terms of Transporter’s Tariff, then Transporter shall waive such charge under this paragraph.

5.6 Right to File Rate Changes: Transporter shall have the unilateral right to file with the appropriate regulatory agency and make changes effective in the rates and charges or the terms and conditions of this Rate Schedule or the applicable General Terms and Conditions. Shipper may protest or contest any such filing.

6. GENERAL TERMS AND CONDITIONS

6.1 The General Terms and Conditions of this Tariff are incorporated by reference into this Rate Schedule.

6.2 In the event of a conflict between the provisions of this Rate Schedule and the General Terms and Conditions in this Tariff, the provisions of the General Terms and Conditions shall govern.
Section 8, General Terms and Conditions, 1.0.0

GENERAL TERMS AND CONDITIONS ("GT&C")

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GENERAL TERMS AND CONDITIONS

1. DEFINITION OF TERMS

The following terms when used in this Tariff and in any transportation service agreement shall be construed to have the following meanings:

1.1 “Bidder” shall mean, depending upon the context, any person that submits a bid for released or newly available transportation capacity pursuant to these General Terms and Conditions or any person which submits a bid in a right of first refusal procedure under Section 7 of these General Terms and Conditions.

1.2 “British thermal unit” or “Btu” shall mean the amount of heat required to raise the temperature of one pound of water one degree Fahrenheit at a standard pressure of 14.73 dry psia at 60 degrees Fahrenheit.

1.3 “Business Day” shall mean Monday through Friday, excluding Federal Banking Holidays for transactions in the U.S.

1.4 “Central Clock Time” and “CCT” shall mean Central Daylight Time when daylight savings time is in effect and Central Standard Time when daylight savings time is not in effect.

1.5 “Confirmation” shall mean a communication that reflects the quantity of gas to be received or delivered on behalf of each Shipper at a receipt or delivery point.

1.6 “Cubic foot” shall mean the volume of gas that occupies one cubic foot when such gas is at a temperature of 60 degrees Fahrenheit, and at a pressure of 14.73 points per square inch absolute [psia] and dry.

1.7 “Daily Limit” shall mean the quantity specified in an Operational Flow Order at a receipt or delivery point.

1.8 “Day” and “Gas Day” shall mean a period of 24 consecutive hours, beginning and ending at 9:00 A.M. Central Clock Time.

1.9 “Dekatherm” or “Dth” shall mean the quantity of heat energy that is equal to 1,000,000 Btu’s. The standard quantity for nominations, confirmation and scheduling is dekatherms per Gas Day.

1.10 “Excess Overrun Charge” shall have the meaning set forth in Section 5.5 of Rate Schedule FT and Rate Schedule IT.

1.11 “FL&U Charge” shall mean a volumetric portion of the gas retained by the Transporter calculated by using the applicable FL&U percentage set forth on the Notice of Rates multiplied by the dekatherms of natural gas received in the Month.

1.12 “FL&U” shall mean the quantities of gas which Transporter retains to compensate it for any system gas used, which includes fuel gas or electricity or other system operation and gas lost and
unaccounted for, as applicable. Transporter is to redeliver at delivery points the quantities of gas it
receives from Shipper less FL&U. The difference between Dth delivered to Transporter for transportation
from all Shippers and Dth redelivered to all Shippers hereunder, shall be deemed part of the FL&U. Each
Shipper shall provide such FL&U to the actual Dth of gas delivered by such Shipper to Transporter
during the period covered by the thermal balance.

1.13 “Maximum Daily Quantity,” or “MDQ” where used herein or in a transportation service
agreement shall mean the maximum daily quantity of natural gas that Transporter shall be obligated to
transport on a firm basis under an FT Agreement. The MDQ shall also be subdivided to indicate the
maximum daily quantity which Transporter shall be obligated to redeliver on a firm basis under the
Agreement at a particular primary delivery point each Gas Day and the maximum daily quantity of gas
that Transporter shall be obligated to receive at a particular primary receipt point each Gas Day.

1.14 “Maximum Hourly Quantity” or “MHQ” shall be equal to the MDQ or MIQ (as
applicable) divided by twenty-four (24).

1.15 “Maximum Interruptible Quantity” or “MIQ” shall mean the maximum daily quantity
that a Shipper may nominate under its IT Agreement.

1.16 “Mcf” shall mean 1,000 cubic feet of gas.

1.17 “Month” shall mean the period beginning at 9:00 A.M. CCT on the first day of the
calendar month and ending at 9:00 A.M. CCT on the first day of the next succeeding calendar month.

1.18 ”Natural Gas” or “Gas” shall mean any mixture of hydrocarbons or of hydrocarbons and
noncombustible gases, in a gaseous state consisting primarily of methane.

1.19 “Negotiated Rate” should mean a rate determined under Section 26 of these General
Terms and Conditions.

1.20 “Operational Flow Order(s)” or “OFO” shall mean an order issued by Transporter to
alleviate conditions, inter alia, which threaten or could threaten the safe operations or system integrity,
of the Transporter’s system or to maintain operations required to provide efficient and reliable service. An
OFO may cover actions required of any Shipper or Shippers, pursuant to Section 8 of these General
Terms and Conditions, in order to ensure deliveries of gas to all Shippers in accordance with their
Scheduled Quantities or as required to maintain system integrity or when an interconnecting entity calls
an OFO or takes similar action. Whenever the Transporter experiences these conditions, any pertinent
order should be referred to as an Operational Flow Order.

1.21 “OFO Penalty Charge” shall mean a penalty amount equal to an OFO Index Price,
calculated as three (3) times the daily Gas Daily posting for the Day on which a deviation from the
requirements of an OFO occurred for the high “Common” price for Texas Eastern M-3, multiplied by the
quantity by which the Shipper deviated from the requirements of the OFO.

1.22 “Recourse Rate” shall mean the applicable maximum rate which would apply to a
service but for agreement on a Negotiated Rate.

1.23 “Release Quantity” shall mean the quantity that a Shipper releases under Section 11 of
these General Terms and Conditions. The Release Quantity shall be stated in Dth per Day.
1.24 “Releasing Shipper” shall mean any Shipper that releases capacity pursuant to the provisions of Section 11 in these General Terms and Conditions.

1.25 “Replacement Shipper” shall mean any shipper that purchases temporarily or permanently released capacity pursuant to the provisions of Section 11 in these General Terms and Conditions.

1.26 “Scheduled Quantity” shall mean the quantity of natural gas expressed in Dth per Day that Shipper nominates for receipt at a receipt point or redelivery to Shipper at a delivery point, and that Transporter schedules for receipt and/or redelivery.

1.27 “Shipper” or “Shippers” shall mean any party receiving service pursuant to any of Transporter’s Rate Schedules and transportation service agreements.

1.28 “Tariff” means Transporter’s FERC Gas Tariff, as amended and approved from time to time by the Commission.

1.29 “Texas Eastern” shall mean Texas Eastern Transmission, LP.

1.30 “Title,” if not otherwise addressed in the Transporter’s contract or Tariff, is the term used to identify the ownership of gas.

1.31 “Total heating value”, when applied to a cubic foot of gas, shall mean the number of Btu’s produced by the complete combustion with air at constant pressure of one anhydrous (dry) cubic foot of gas under a pressure of 14.73 psia and a temperature of 60 degrees Fahrenheit and when the products of combustion are cooled to the initial temperature of the gas and air and the water formed by combustion is condensed to the liquid state.

1.32 “Transporter” or “Transportation Service Provider” shall mean DTE Midstream Appalachia, LLC.

1.33 “Transportation Service Agreement” or “TSA” shall mean an IT Agreement or an FT Agreement, or both, depending upon the context. This term also includes IT or FT Agreements which reflect a Negotiated Rate and FT Agreements entered into with a Replacement Shipper. A transportation service agreement which includes a Negotiated Rate shall conform to the Form of Service Agreement set out in and appended to this Tariff, except for the special elements identified in Section 26 of these General Terms and Conditions. A transportation service agreement between Transporter and a Replacement Shipper shall conform to the Form of Service Agreement set out in this Tariff, except for the additional items required under Section 11 of these General Terms and Conditions, and provisions necessary to reflect the permissible terms and conditions of the specific release.

1.34 “Year” shall mean a period of 365 consecutive Days beginning on the date natural gas is first delivered or is to be delivered under the gas transportation or other service contract, whichever is earlier, or on any anniversary thereof; provided, however, that any such year that contains a date of February 29 shall consist of 366 consecutive Days.
GT&C Section 8.2, Quality, 1.0.0

2. QUALITY

The provisions set forth in this Section 2 shall apply to all Gas received or delivered by Transporter.

2.1 Natural or Artificial Gas

The Gas received or delivered by Transporter hereunder shall be a combustible Gas consisting wholly of, or a mixture of:

(A) Natural Gas of the quality and composition produced in its natural state except that the Transporter may extract or permit the extraction of any of the constituents thereof except methane.

(B) Gas generated by vaporization of Liquefied Natural Gas (LNG).

(C) Manufactured, reformed, or mixed Gas consisting essentially of hydrocarbons of the quality and character produced by nature in the petroleum, oil and Gas fields with physical properties such that when the artificial Transporter Gas is commingled with natural Gas, the two become indistinguishable.

2.2 Total Heating Value and Wobbe Number

(A) The Gas shall have a total heating value of not less than 967 nor greater than 1110 Btu per cubic foot of dry Gas at a temperature of 60 degrees Fahrenheit and under a pressure of 14.73 psia. The Gas shall have a Wobbe Number of not less than 1314 nor greater than 1400 (calculated using Total Heating Value (THV)), dry, under standard conditions at 14.73 psia at 60 degrees Fahrenheit based on the following mathematical definition and in accordance with Section 3 of these General Terms and Conditions:

\[ \frac{THV}{\sqrt{SGas}} \]

Where:
\( THV \) = Total Heating Value (Btu/standard cubic feet)
\( SGas \) = Specific Gravity
\( \sqrt{ } \) = Square Root of

(B) Both the total heating value at any time, for purposes of determining compliance with Section 2.2(A) of the General Terms and Conditions, and the average total heating value for any billing period shall be determined by Gas chromatographic analysis using GPA 2172/API MPMS 14.5 factors or any revision thereof, or by other methods mutually agreed upon by Shipper and Transporter.
2.3 Composition

(A) Solids:

The Gas shall be commercially free, under continuous Gas flow conditions, from objectionable odors, solid matter, dust, gums, and gum-forming constituents which might interfere with its merchantability or cause injury to or interference with proper operations of the Transporters, compressor stations, meters, regulators or other appliances through which it flows.

(B) Oxygen:

The Gas shall not have an uncombined oxygen content in excess of one-tenth (0.1) of one percent (1%) by volume.

(C) Non-Hydrocarbon Gas:

The Gas shall not contain more than four percent (4%) by volume, of a combined total of carbon dioxide and nitrogen; it being understood, however, that the total carbon dioxide content shall not exceed two percent (2%) by volume, and the total combined nitrogen and oxygen content shall not exceed two and three quarters percent (2.75%) by volume.

(D) Liquids:

The Gas shall be free of water and hydrocarbons in liquid form at the temperature and pressure at which the Gas is received and delivered, and receipts of Gas shall meet any applicable requirements established pursuant to Section 2.9.

(E) Hydrogen Sulfide:

The Gas shall not contain more than one-half (0.5) grain (8 ppm) of hydrogen sulfide per one-hundred (100) cubic feet.

(F) Total Sulphur:

The Gas shall not contain more than five (5) grains of total sulphur per one-hundred (100) cubic feet.

(G) Temperature:

The Gas shall not have a temperature of more than one-hundred twenty degrees (120 degrees) Fahrenheit.

(H) Water Vapor:

The Gas shall not contain in excess of seven (7) pounds of water vapor per million cubic feet.
(I) Non-Methane Hydrocarbons:

The Gas shall not consist of more than twelve percent (12.0%) ethanes and heavier hydrocarbons (C2+) by volume, nor shall the Gas consist of more than one and one half percent (1.5%) butanes and heavier hydrocarbons (C4+) by volume.

(J) Liquefiable Hydrocarbons:

Transporter shall accept delivery of Gas with a C6+ content equal to or less than 0.032 GPM, provided that such Gas satisfies all other applicable provisions of Transporter's FERC Gas Tariff. This Standard shall be referred to as Transporter's Liquefiable Hydrocarbons Safe Harbor, and the Liquefiable Hydrocarbons Safe Harbor correlates to a cricondentherm hydrocarbon dewpoint of approximately 15 degrees Fahrenheit. Absent a Liquefiable Hydrocarbon Problem, as defined in Section 1 of these General Terms and Conditions, Transporter shall accept delivery of Gas with a C6+ content greater than 0.032 GPM, provided that such Gas satisfies all other applicable provisions of Transporter's FERC Gas Tariff.

(K) Microbiological Agents:

The Gas shall not contain, either in the Gas or in any liquids with the Gas, any microbiological organism, active bacteria or bacterial agent capable of contributing to or causing corrosion and/or operational and/or other problems. Microbiological organisms, bacteria or bacterial agents include, but are not limited to, sulfate reducing bacteria (SRB) and acid producing bacteria (APB). Tests for bacteria or bacterial agents shall be conducted on samples taken from the meter run or the appurtenant piping using American Petroleum Institute (API) test method API-RP38 or any other test method acceptable to Transporter and Shipper which is currently available or may become available at any time.

2.4 Transporter shall have the right, after either written or electronic notice to Shipper, to refuse to accept all or any portion of Gas tendered for Shipper's account to Transporter if: (i) such Gas shall fail at any time to conform to any of the specifications set forth in this Section 2 and such Gas is not subject to an effective waiver of the specifications that the Gas fails to meet or (ii) such Gas, in Transporter's reasonable judgment, may cause harm to Transporter's facilities. In the event Transporter refuses to accept Gas tendered by Shipper because such Gas does not conform to the specifications set forth herein, Shipper shall not be relieved of its obligation to pay any Reservation Charge provided for in Shipper's service agreement. If Shipper delivers Gas of non-conforming quality to Transporter, Shipper shall be responsible for, and shall indemnify and hold Transporter harmless from, any damages or liability for injury to, or death of persons or damage to property of Transporter or third persons resulting there from. Shipper shall reimburse Transporter for any costs, liabilities and expenses incurred by Transporter as a result of Shipper's non-compliance with the provisions of this Tariff. If the Gas tendered by Transporter for Shipper's account shall fail at any time to conform to any of the specifications set forth in this Section 2 then Shipper shall notify Transporter of such deficiency and may, at its option, refuse to accept delivery pending correction by Transporter unless such Gas fails to conform to any of the specifications set forth in
Section 2 due to Shipper’s delivery of Gas of non-conforming quality to Transporter.

2.5 (A) Notwithstanding the requirements set forth in this Section 2, Transporter may allow Shipper to tender for service or cause to be tendered, pursuant to an executed service agreement under Transporter's rate schedules, Gas which does not when injected into Transporter's system meet the quality specifications set forth in this Section 2; provided that Transporter's acceptance of such Gas shall not adversely impact Transporter's system facilities or operations, and provided that Shipper tenders or causes to be tendered written assurance in form and substance satisfactory to Transporter that Shipper shall process or cause to be processed such Gas at the nearest downstream processing plant, and provided further, that once such Gas has been processed the commingled Gas stream on the outlet side of the processing plant shall be compliant with the quality specifications set forth in this Section 2. Transporter shall implement this Section 2.5(A) on a non-discriminatory basis. Shipper tendering or causing to be tendered such Gas, not Transporter or Transporter's other Shippers, shall be obligated to bear the costs of such processing. In the event that Shipper is unwilling to provide Transporter written assurance that Shipper has the contractual rights to process such Gas and that Shipper or its designee will in fact process or cause such Gas to be processed, Transporter shall have no obligation to allow Shipper to tender such Gas and Shipper shall have no right to tender such Gas. In the event that Transporter's acceptance of such Gas under this Section 2.5(A) results in the diminution in quality, quantity or economic value of Gas transported for others, Shipper who injects or causes to be injected such Gas into Transporter's system shall be liable for any damage caused thereby and such Shipper shall indemnify and hold Transporter harmless from any damage caused thereby; provided, however, that Shipper shall not be obligated to indemnify Transporter for any damage resulting from Transporter's negligence or willful misconduct in its handling of the Gas pursuant to this Section 2.5(A).

(B) Notwithstanding the requirements set forth in this Section 2, Transporter may grant a waiver to allow Shipper to tender or cause to be tendered Gas which does not, when injected into Transporter's facilities, meet the quality specifications set forth in Section 2; provided that acceptance of such Gas shall not adversely affect Transporter's system facilities or operations, and further provided that once such Gas has been blended, to the extent blending occurs, the commingled Gas stream at any delivery point on Transporter's system shall be compliant with the quality specifications set forth in Section 2. Transporter shall post on its Internet website any waiver pursuant to this Section 2.5(B). Transporter shall implement this Section 2.5(B) on a non-discriminatory basis and may cancel any such waiver at any time if necessary to assure that the commingled Gas stream is compliant with the quality specifications set forth in Section 2 at any delivery point on Transporter's system.

2.6 Notwithstanding the requirements set forth in Section 2.5(A), Transporter, at any time and from time to time, shall have the right, either by written or electronic notice to Shipper, to arrange for any necessary processing of Shipper's quality deficient Gas tendered to Transporter to ensure such Gas meets the minimum quality specifications set forth in this Section 2. Transporter shall bill the applicable Shipper and such Shipper shall pay Transporter for all costs incurred by Transporter relating to the processing of
the Shipper's Gas as necessary to ensure that Transporter fully recovers such costs and applicable carrying charges. Transporter shall have the right to sell or otherwise dispose of any or all of the processing products without accounting to Shipper or owner of the processed Gas.

2.7 Transporter shall have the unqualified right to commingle Gas transported hereunder with Gas from other sources, and to treat and handle all such Gas as its own. It is recognized that Gas delivered may not be the same molecules as those received at the Point of Receipt. To the extent Shipper or any other party elects not to exercise its rights, if any, to process Gas for the removal of liquids and liquefiable hydrocarbons, Transporter shall have the unqualified right to process such Gas for the purpose of removing, among others, liquids and liquefiable hydrocarbons and ownership of such liquids and liquefiable hydrocarbons shall be vested in Transporter. The Shipper or such other party may prospectively change its election by providing Transporter at least thirty (30) days prior written notice of such changed election; provided, however, such changed election shall remain in effect for a minimum of three (3) months, and provided further, that such changed election shall be effective on the first day of the month after the thirty (30) day notice period. For any period for which the processing election is exercised, the Shipper or other applicable party shall be obligated to perform such processing for all relevant Gas quantities during such period. The quantities of Gas delivered hereunder at the Point(s) of Delivery shall be thermally equivalent to the quantities of Gas received at the Point(s) of Receipt for transportation less Applicable Shrinkage and, if applicable, any reduction due to processing.

2.8 Transporter and Shipper may agree, or governmental authorities may require, that the Gas be odorized by use of a malodorant agent of such character as to indicate by a distinctive odor the presence of Gas. Whenever odorized Gas is delivered, the quality and specifications, as set forth in this Section 2 of such Gas shall be determined prior to the addition of malodorant or with proper allowance for changes or additions due to such malodorant. Such odorization of the Gas by the Transporter, unless otherwise mutually agreed by Shipper and Transporter, shall be for the purpose of detection of the Gas only during the time, prior to delivery to the Shipper, when in possession of the Transporter. Transporter and Shipper may agree from time to time, to allow Shipper to deliver odorized Gas to Transporter. Transporter shall not be obligated to receive such odorized Gas from Shipper when such receipt may, in Transporter's sole discretion, be detrimental to Transporter's system operations.
3. MEASUREMENT

3.1 Unit of Measurement: The transportation unit of gas received and delivered by Transporter shall be a dekatherm, unless otherwise indicated in this Tariff.

3.2 Determination of Volume and Total Heating Value: The volume and the total heating value of gas received and delivered by Transporter shall be determined as follows, provided that Transporter shall have the right, at any time, to rely on the measurements and statements for quantities and heating values of gas actually provided to Transporter by any relevant interconnecting entity.

(a) The unit of volume for measurement of Natural Gas delivered hereunder shall be one (1) cubic foot. Such volumes shall be multiplied by their Gross Heating Value per cubic foot and divided by 1,000,000 to determine Dth delivered hereunder. All fundamental constants, observations, records, and procedures involved in determining and/or verifying the quantity and other characteristics of Natural Gas delivered hereunder, shall, unless otherwise specified herein, be in accordance with the standards prescribed in Report No. 3 or Report No. 7 or Report No. 9, as applicable, of the American Gas Association (AGA), as now and then and from time to time amended or supplemented, or other industry accepted standards for meter types not covered in AGA Report No. 3 or No. 7 or No. 9.

(b) The total heating value of the gas per cubic foot shall be determined at the receipt point on the basis of periodic samplings to be examined at a qualified laboratory or by chromatograph at Transporter’s reasonable discretion, and at the delivery point by a recording chromatograph to be located at the point of interconnection between the facilities of Transporter and Shipper or downstream pipeline.

(c) Dekatherms delivered shall be determined by multiplying the Mcf delivered by the ratio of the total heating value of the gas delivered to 1,000. For purposes of this determination the specific gravity and heating value shall be determined at approximately the same time.

(d) The temperature of Natural Gas shall be assumed to be sixty (60) degrees Fahrenheit for use in volumetric calculations if the temperature is not specifically measured and recorded.

(e) The specific gravity of the Natural Gas flowing through a meter shall be determined by Transporter on or prior to the commencement of service hereunder and at each scheduled measurement calibration as outlined herein by use of the AGA accepted gravitometer or by computation from a chromatograph or from fractional analysis of representative samples of Natural Gas taken at the point of measurement at Transporter’s reasonable discretion. Specific gravities so determined will be used in calculating Natural Gas deliveries or receipts as soon as reasonably practical after the test results are available to Transporter and in no instance later than the Month following the Month in which the sample was taken and for all following days until the next specific gravity test is made. Additional specific gravity tests may be requested with the expense to be borne by the requesting party.

(f) The deviation of the natural gas from Boyle’s Law shall be determined by American Gas Association Par Research Project NX-19 or any superseding applicable publications by the American Gas Association.
4. MEASUREMENT EQUIPMENT

4.1 Measuring Facilities: The necessary measuring facilities at or near the receipt point with Texas Eastern shall be installed, owned, maintained and operated by Texas Eastern. Transporter shall not be obligated to install measuring facilities at the Birdsboro Power delivery point. Unless Transporter requires otherwise, any other measuring facilities that Transporter reasonably deems necessary shall be installed, owned, maintained and operated by Transporter or Transporter’s designee at or near the applicable receipt point(s) and delivery point(s).

(a) Orifice Meters: Orifice meters, if used, shall be installed, and gas quantities computed, in accord with American National Standard Bulletin ANSI/API 2530, AGA Report No. 3, Orifice Metering of Natural Gas, dated May 16, 1985, and any modifications and amendments thereof, and shall include the use of flange connections and straightening vanes.

(b) Diaphragm, Rotary or Turbine Meters: Diaphragm or Rotary meters, if used, shall be installed and gas quantities computed, in accordance with generally accepted industry practices. Turbine meters shall be installed in accordance with AGA Report No. 7 (latest edition) with quantities computed in accordance with generally accepted Industry practices.

(c) Electronic Flow Computers: The use of electronic or other types of flow computers is required, unless otherwise mutually agreed, and such equipment shall be installed, and quantities calculated, in accord with generally accepted industry practices.

(d) New Measurement Techniques: If, at any time, a new method or technique is developed with respect to gas measurement or the determination of the factors used in such gas measurement, such new method or technique may be substituted upon mutual agreement thereto by the parties.

4.2 Right to be Present: Transporter and Shipper shall each have the right to have representatives present at the time of any installing, reading, cleaning, changing, repairing, inspecting, testing, calibrating or adjusting done in connection with the other’s measuring equipment used in measuring or checking the measurement of receipts or deliveries of gas under the transportation contract. The records from such measuring equipment shall remain the property of their owner, but, upon request, each will submit to the other its records and charts, together with calculations therefrom, for inspection and verification, subject to return within ten Days after receipt thereof. Shipper’s right to have representatives present at the time of any installing, reading, cleaning, changing, repairing, inspecting, testing, calibrating or adjusting done in connection with measuring equipment at the Texas Eastern receipt point will be governed by any limitations in the interconnection agreement with Texas Eastern.

4.3 Care Required: Any installation of measuring equipment by Transporter 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 quantity of gas delivered under transportation service agreements.

4.4 Calibration and Testing of Meters:
(a) The accuracy of Transporter’s or Shipper’s measuring equipment shall be verified at reasonable intervals but neither party shall be required to verify the accuracy of such equipment more frequently than once in any thirty-day period. Provided, however, that the measuring equipment at the receipt point with Texas Eastern to measure Natural Gas received from Texas Eastern shall be maintained and calibrated according to the interconnect agreement with Texas Eastern. Measurement facilities at any other receipt and/or delivery Points shall be operated and maintained and calibrated by Transporter pursuant to this Section 4.4(a). For the purpose of measurement and meter calibration, the atmospheric pressure shall be assumed to be fourteen and four-tenths (14.4) psia irrespective of variations in natural atmospheric pressure from time to time.

(b) In the event either party shall notify the other 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 such special test, if called for, shall be borne by the requesting party if the measuring equipment tested is found to be in error by not more than two percent (2%). If, upon testing, any measuring equipment is found to be in error by not more than two percent (2%), 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.

(c) If upon any test the metering equipment in the aggregate is found to be inaccurate by two percent (2%) or more, registration thereof and any payment or allocation based upon such registration shall be corrected based on the level of such inaccuracy for any period of inaccuracy which is definitely known or agreed upon, or if not known or agreed upon, then for a period extending back one-half (1/2) of the time elapsed since the last day of the previous calibration, not to exceed one (1) month. Following any test, any metering equipment found to be inaccurate to any degree shall be adjusted immediately to measure accurately.

(d) If, for any reason, any meter is out of service or out of repair so that the quantity of Natural Gas delivered through such meter cannot be ascertained or computed from the readings thereof, the quantity of Natural Gas delivered during that period such meter is out of service or out of repair shall be computed in accordance with the following: (i) by using the registration of any check measuring equipment of Shipper or interconnecting party, if installed and registering accurately, or (ii) by mutual agreement between the parties taking into consideration previous periods of similar receipts or deliveries and the total system balance for any Month.

4.5 Records: The records from measuring equipment owned by Transporter shall remain the property of Transporter but shall be available to Shipper for its review at its cost upon 10 Business Days’ notice.
5. **QUALIFICATION FOR SERVICE**

5.1 **Request for Service:** All Shippers requesting firm transportation service or interruptible transportation service must provide, in a form and substance acceptable to Transporter, the applicable information required by this Section 5 in order to qualify for service. Requests must be provided by a means consistent with Section 16 of these General Terms and Conditions. Any material modification, in whole or in part, of an existing transportation service shall be requested by Shipper’s submission of a new request for service with a notation that the service requested is a modification of an existing service. No request for service will be processed until a completed request on a form provided by Transporter has been submitted by Shipper to Transporter consistent with this Section 5. Transporter shall not be obligated to accept a request which has been submitted more than ninety (90) days prior to the proposed effective date, but may do so on a non-discriminatory basis or where additional facilities are required.

5.2 **Required Information:** Any request shall include the information listed below. Shipper shall promptly provide any additional information reasonably required by Transporter to process the request; provided that the request for additional information shall not affect the priority of Shipper’s request so long as Shipper promptly provides the additional information.

(a) **Gas Quantities:** Shipper shall provide the appropriate quantity information applicable to the type of service requested as follows:

   (i) for firm transportation, Shipper shall provide the MDQ stated in dekatherms for the FT Agreement; and

   (ii) for interruptible transportation, Shipper shall provide the MIQ and the estimated total quantities to be received and transported over the delivery period.

(b) **Receipt/Delivery Points:** For firm transportation requests, Shipper shall provide:

   (i) the designated primary receipt point(s) and primary delivery point(s) and the MDQ at each such point;

   (ii) the MDQs specified at all of Shipper’s primary receipt point(s) must in the aggregate equal the MDQ stated in the FT Agreement;

   (iii) the MDQ specified at all of Shipper’s primary delivery point(s) must in the aggregate equal the MDQ stated in the FT Agreement;

   (iv) the name of the party and pipeline delivering the gas to Transporter; and

   (v) the name of the party and pipeline to receive the gas from Transporter.

(c) **Term:** The proposed commencement and termination dates of service.

(d) **Shipper Certification:** Shipper shall provide a statement certifying that all necessary upstream and downstream arrangements will be in place on the date the service is to commence and that the Shipper will have title or the right to acquire title to the gas which will be delivered to
Transporter free from liens and adverse claims of every kind. Shipper will indemnify, defend, and hold harmless Transporter against all loss, damage and expense of every character, including reasonable attorney’s fees incurred in negotiation, settlement or litigation with respect to Natural Gas delivered by Shipper, including any expenses incurred on account of title, royalties, taxes, payments, or other charges applicable before or upon delivery of Natural Gas hereunder.

(e) Facilities: For any request, identification and location of any facilities to be constructed or installed by any party affected by the proposed service.

(f) Credit Evaluation: For any request, all credit information required in Section 6 of the General Terms & Conditions in this Tariff. Shipper must satisfy the requirements of said Section 6 to be eligible for service.

5.3 Denial of Request: If Transporter denies a request, the denial shall indicate the reason the request is being denied. Any request which has been properly denied consistent with this Tariff shall be deemed a nullity for all present and future purposes.

5.4 Execution of Agreement: If Transporter accepts Shipper’s request for service, Shipper and Transporter shall execute a transportation service agreement in the form set forth in this Tariff for the service requested. The transportation service agreement must be executed and returned by Shipper within ten (10) days after Transporter tenders the transportation service agreement to Shipper.

5.5 Changes: Transporter shall have the right to propose, file and make effective with the FERC or any other body having jurisdiction, revisions to any applicable rate schedule, or to propose, file, and make effective superseding rate schedules for the purpose of changing the type of service (firm or interruptible), rate, charges, and other provisions thereof effective as to Shippers. Said rate schedule or superseding rate schedule and any revisions thereof which shall be filed and made effective shall apply to and become a part hereof and any TSAs. The filing of such changes and revisions to any applicable rate schedule shall be without prejudice to any regulatory right, if applicable, of Shipper to contest or oppose such filing.

5.6 Agents and Asset Management Arrangements

(a) Agents. Shipper must provide written notice to Transporter of the name, and any other pertinent information of another person (“Agent”) that has agency authority to act for Shipper pursuant to a TSA under Rate Schedule FT or Rate Schedule IT, in connection with: (1) the operation of pipelines, facilities and wells in connection with a TSA, (2) imbalance management and Critical Notices as described in the General Terms & Conditions, and/or (3) other matters covered by a TSA. If the Agent has authority under (1) and (2) above, operating notices shall be served on the Agent alone. When using an Agent, the Shipper remains bound by its obligations under a TSA. Further, commitments made by the Agent on behalf of the Shipper are binding on the Shipper as if made by the Shipper. The Shipper must provide prompt written notice of the termination of the agency.

(b) Asset Management Arrangements. Shipper must provide written notice to Transporter of the name, and any other pertinent information of an asset manager that has authority to act for Shipper pursuant to a TSA under Rate Schedule FT or Rate Schedule IT (“Asset Manager”), in connection with: (1) the operation of pipelines, facilities and wells in connection with a TSA, (2) imbalance management and Critical Notices as described in the General Terms & Conditions, and/or (3) other matters covered by a TSA. If the Asset Manager has authority under (1) and (2) above, operating notices shall be served on
the Asset Manager alone. When using an Asset Manager, the Shipper remains bound by its obligations under a TSA. Further, commitments made by the Asset Manager on behalf of the Shipper are binding on the Shipper as if made by the Shipper. The Shipper must provide prompt written notice of the termination of any asset management arrangement.
6. CREDIT REQUIREMENTS

6.1 Required Credit Information: Unless otherwise agreed, a Shipper seeking service from Transporter under either Rate Schedule FT or Rate Schedule IT must provide:

- (a) Audited Financial Statements;
- (b) Annual Reports;
- (c) The most recently filed statements with the Securities and Exchange Commission (or an equivalent authority) or other similar publicly available information;
- (d) For public entities, the most recent publicly available interim financial statements, with an attestation by its Chief Financial Officer, Controller, or equivalent (CFO) that such statements constitute a true, correct, and fair representation of the Shipper’s financial condition prepared in accordance with Generally Accepted Accounting Principles (GAAP) or equivalent;
- (e) For non-public entities, including those that are state-regulated utilities, the most recent available interim financial statements, with an attestation by its CFO that such statements constitute a true, correct, and fair representation of the Shipper’s financial condition prepared in accordance with GAAP or equivalent;
- (f) For non-public entities, including those that are state-regulated utilities, an existing sworn filing, including the most recent available interim financial statements and annual financial reports filed with the respective regulatory authority, showing the Shipper’s current financial condition;
- (g) For state-regulated utility local distribution companies, documentation from their respective state regulatory commission (or an equivalent authority) of an authorized gas supply cost recovery mechanism;
- (h) List of affiliates, parent companies, and subsidiaries;
- (i) Publicly available credit reports from credit and bond rating agencies;
- (j) Private credit ratings, if obtained by the Shipper;
- (k) Bank references;
- (l) Trade references;
- (m) Statement of legal composition;
- (n) Statement of the length of time the business has been in operation;
- (o) Any other information reasonably required so that Transporter can make its credit determination under this Section 6; and
- (p) Such other information as may be mutually agreed to by the parties.
6.2 **Parent Company Information:** In the event Shipper cannot provide the information in Section 6.1 above, Shipper shall, if applicable, provide that information for its parent company.

6.3 **Eligibility for Service:** Transporter shall not be required to perform or to continue service under any Rate Schedule on behalf of any Shipper which is or has become insolvent or which is or becomes non-creditworthy; provided, however, such Shipper will continue to receive service under any Rate Schedule if Shipper prepays for such service or furnishes good and sufficient security, as determined by Transporter in its reasonable discretion, in an amount equal to all service fees and charges for a three month period or the duration of the transportation service agreement, whichever is shorter. Any Bidder or requestor for service must satisfy these credit requirements before a bid or request is deemed valid.

6.4 **Suspension or Termination of Service:** For an existing Shipper, if Transporter determines that Shipper is no longer creditworthy, Transporter may suspend service on five (5) Business Days’ prior notice unless Shipper provides security within that period for one month of advance service, in addition to paying for the current month’s service and any outstanding amount (excluding any amount as to which there is a good faith dispute). In addition, Shipper must within 30 days provide security in advance equal to all fees and charges for three months of service, or Transporter may immediately suspend service. Transporter may terminate service on 30 days’ prior notice (the notice may be concurrent with the suspension notice above) if Shipper fails to satisfy the credit requirements within the applicable notice period. Any notices hereunder shall also be provided simultaneously to the Commission. In addition, Transporter shall notify the Commission by the next Business Day if a suspension or termination actually occurs.

6.5 **Insolvency:** For purposes herein, the insolvency of a Shipper shall be conclusively demonstrated by the filing by Shipper or any parent entity thereof (hereinafter collectively referred to as “the Shipper”) of a voluntary petition in bankruptcy or the entry of a decree or order by a court having jurisdiction in the premises adjudging the Shipper bankrupt or insolvent, or approving, as properly filed, a petition seeking reorganization, arrangement, adjustment or composition of or in respect of the Shipper under the Federal Bankruptcy Act or any other applicable federal or state law, or appointing a receiver, liquidator, assignee, trustee, sequestrator (or other similar official) of the Shipper or of any substantial part of its property, or the ordering of the winding-up or liquidation of its affairs. Insolvency may also be demonstrated by a filing made by a third party for the involuntary bankruptcy or insolvency of Shipper.

6.6 **Creditworthiness:** A Shipper will be deemed creditworthy if (i) its long-term unsecured debt securities are rated at least BBB- by Standard & Poor’s Corporation (“S&P”) and at least Baa3 by Moody’s Investors Service (“Moody’s”) (provided, however, that if the Shipper’s rating is at BBB- or Baa3 and the short-term or long-term outlook is Negative, Transporter may require further analysis as discussed below); and (ii) the sum of reservation fees, usage fees and any other associated fees and charges for the contract term is less than 15% of Shipper’s tangible net worth. If a Shipper has multiple transportation service agreements with Transporter, then the total potential fees and charges of all such service agreements shall be considered in determining creditworthiness.

If Shipper does not meet the criteria described above, then Shipper may request that Transporter evaluate its creditworthiness based upon the level of service requested relative to the Shipper’s current and future ability to meet its obligations. Transporter shall apply consistent evaluation practices to all similarly situated Shippers to determine the Shipper’s financial ability to perform the payment obligations due to Transporter over the term of the requested or existing transportation service agreement. Such credit appraisal shall be based upon Transporter’s evaluation of the following information and credit criteria:
(a) S&P and Moody’s opinions, watch alerts, and rating actions and reports, rating, opinions and other actions by Dun and Bradstreet and other credit reporting agencies will be considered in determining creditworthiness.

(b) Consistent financial statement analysis will be applied by Transporter to determine the acceptability of Shipper’s current and future financial strength. Shipper’s balance sheets, income statements, cash flow statements and auditor’s notes will be analyzed along with key ratios and trends regarding liquidity, asset management, debt management, debt coverage, capital structure, operational efficiency and profitability.

(c) Results of bank and trade reference checks and credit reports must demonstrate that a Shipper is paying its obligations in a timely manner.

(d) Shipper must not be operating under any chapter of the bankruptcy laws and must not be subject to liquidation or debt reduction procedures under state laws and there must not be pending any petition for involuntary bankruptcy. An exception may be made for a Shipper who is a debtor in possession operating under Chapter XI of the Federal Bankruptcy Act if Transporter is assured that the service billing will be paid promptly as a cost of administration under the federal court jurisdiction, based on a court order in effect, and if the Shipper is continuing and continues in the future actually to make payment.

(e) Whether Shipper is subject to any lawsuits or judgments outstanding which could materially impact its ability to remain solvent.

(f) Whether Shipper has or has had any delinquent balances outstanding for services provided previously by Transporter and whether Shipper is paying and has paid its account balances according to the terms established in its transportation service agreements (excluding amounts as to which there is a good faith dispute).

(g) The nature of the Shipper’s business and the effect on that business of general economic conditions and economic conditions specific to it, including Shipper’s ability to recover the costs of Transporter’s services through filings with regulatory agencies or otherwise to pass on such costs to its Shippers.

(h) Any other information, including any information provided by Shipper, that is relevant to Shipper’s current and future financial strength and Shipper’s ability to make full payment over the term of the contract.
7. TERMINATION OF AGREEMENTS

7.1 Short Term, Discounted and Interruptible Contracts: Any Shipper receiving service under a firm transportation contract having a primary term of less than 12 consecutive months ("short term firm transportation contract") or a primary term of more than 12 consecutive months at less than the maximum rate, or under an interruptible transportation contract retains no right to continued service after the termination of such contract. Upon termination of a short term or interruptible transportation contract, Transporter shall have all necessary abandonment authorization under the Natural Gas Act as of such termination date, and shall not be required to seek case-specific authorization prior to abandoning service.

7.2 Termination of Long Term FT Agreements: Any Shipper with a Long Term (having a term of twelve or more months) FT Agreement at the maximum applicable Tariff rate shall be eligible to exercise a right of first refusal to continue to receive service upon expiration of the term pursuant to the procedure outlined in this Section. If a Shipper desires to invoke its right of first refusal, it must notify Transporter at least six (6) months prior to the expiration of such FT Agreement by a means provided under Section 16 of these General Terms and Conditions, or it will waive such rights. If such a notice is received by Transporter, the following procedures will apply:

(a) Transporter shall post the capacity for bidding on its Internet website at least 60 days prior to the termination of the FT Agreement. The capacity will remain posted on Transporter’s Internet website for a minimum of 10 days. Such posting shall contain the following information with respect to the capacity:

   (i) daily and other applicable quantity limitations of capacity available;

   (ii) primary receipt and delivery points;

   (iii) maximum reservation charge as set forth in this Tariff;

   (iv) any applicable restrictions; and

   (v) the last day of the Bidding Period.

(b) Bids shall be submitted to Transporter in writing, in accordance with the communication procedures set forth in Section 16 of these General Terms and Conditions. Such bids shall be binding on Bidder. Upon conclusion of the Bidding Period, Transporter shall evaluate the bids in accord with the net present value formula set forth in Section 11 for firm transportation service for the evaluation of bids under Transporter’s capacity release mechanism; provided that the term used for purposes of the formula will be the term proposed by the Bidder and provided further that Transporter shall have no obligation to accept a bid for less than the filed maximum reservation rate and usage charges.

(c) Within seven (7) Business Days of the close of the Bidding Period, Transporter shall notify Shipper of the acceptable bid, if any, having the highest present value to Transporter ("Highest Bid"). Shipper shall have five (5) Business Days after receiving notice to notify Transporter in writing as to whether it will match the Highest Bid acceptable to Transporter. Shipper’s notification of its election to match the Highest Bid is contractually binding on Shipper. If the Shipper elects to match the
Highest Bid, then it must execute a new FT Agreement that contains the terms of that Highest Bid, within five (5) Business Days after such agreement is tendered by Transporter; provided, however, that Shipper shall not be required to pay any rate higher than the maximum applicable rate.

(d) If Transporter receives no acceptable bids on the capacity, then Shipper may continue to receive service at the applicable maximum rate on a month-to-month basis or at such other rate and for such term on which Transporter and Shipper mutually agree.

7.3 Posting of Capacity: If a Shipper elects to terminate its FT Agreement without invoking the right of first refusal, or if capacity is not awarded in the right of first refusal process, the availability of the capacity will be posted on Transporter’s Internet web site and will be awarded on a basis consistent with Rate Schedule FT.

7.4 Contractual Right of First Refusal; Monthly Evergreen: Transporter shall offer, on a not unduly discriminatory basis, a contractual right of first refusal to Shippers with an FT Agreement and a month to month automatic contract extension option subject to termination of the contract by either Transporter or Shipper with thirty (30) day written notice prior to the start of any Month.

7.5 Negotiated Contract Extensions: Notwithstanding the provisions of this Section 7, Transporter shall offer to prospective Shippers on a not unduly discriminatory basis a provision to extend the primary term of a transportation service agreement for a specific secondary term or terms.
8. OPERATIONAL FLOW ORDERS

8.1 Circumstances Warranting Issuance: Transporter shall have the right to issue Operational Flow Orders (“OFOs”) as specified in this Section. An OFO can be issued by Transporter in response to an OFO issued by an upstream or downstream interconnecting pipeline or because of conditions specific to Transporter’s system (including, but not limited to (1) to alleviate conditions that threaten or could threaten the safe operations or system integrity of Transporter’s system; (2) to maintain pipeline operations at the pressures and conditions necessary to provide efficient and reliable transportation services; (3) to have adequate gas supplies in the system to deliver on demand; (4) to maintain service to all Shippers and for all services; (5) to maintain the system in balance for the foregoing purposes or for the purpose of preventing undue imbalances with an interconnecting entity; and (6) to respond at any time to requirements imposed by an entity with which Transporter interconnects). Transporter shall notify Shippers of any OFO issued by an upstream or downstream interconnecting pipeline that requires an OFO on Transporter’s system. Transporter shall not issue an OFO due to specific conditions on its system without first contacting the Shippers causing the problem requiring the OFO and seeking voluntary action to remedy the conditions causing the OFO on its system; provided however that such contact shall not be required if absent immediate issuance of the OFO the safe operation or the system integrity of the Transporter’s system would be threatened.

8.2 Applicability of OFO: To the extent practicable, based on Transporter’s good faith judgment concerning the situations requiring remediation, an OFO will be directed: (1) first, to Shippers causing the problem necessitating the OFO; (2) second, to Shippers transporting gas in the area of the system in which there is an operational problem; and (3) third, to those Shippers with service affected in the area of the system where action is required to correct the problem necessitating the OFO. Transporter will notify affected Shippers promptly once an OFO has been terminated.

8.3 Notice: All OFOs will be posted on Transporter’s Internet website and, in addition, will be issued via telephone or electronic methods (including e-mail or IM) to the affected Shippers. The OFO will set forth: (1) the time and date of issuance; (2) the actions Shipper/operator is required to take; (3) the time by which Shipper must be in compliance with the OFO; (4) the anticipated duration of the OFO; and (5) any other terms that Transporter may reasonably require to ensure the effectiveness of the OFO. Each Shipper must designate two persons for Transporter to contact on operating matters at any time, on a 24-hour a day, 365-day a year basis. Such contact persons must have adequate authority and expertise to deal with such operating matters. If Transporter cannot contact any Shipper because that Shipper has failed to designate a contact person or Shipper’s contact person is unavailable, Shipper and not Transporter shall be responsible for any consequences that could have been prevented by communication. Transporter, however, will make reasonable continuing efforts to notify the affected Shipper. To the extent practicable, Transporter shall provide an advance warning of a possible OFO by posting on its Internet website, and by telephone or electronic methods (including e-mail or IM).

8.4 Shipper Compliance: A Shipper must comply with an OFO within the time period set forth therein unless the Shipper is able to demonstrate that such compliance is prevented due to a force majeure event as defined in Section 16 of these General Terms and Conditions; provided that the Shipper shall make a good faith effort to comply with any such OFO, including seeking waivers of any contractual limits with third parties or modifications of operating conditions on third party systems. Shipper shall notify Transporter immediately if it believes that it is excused from compliance with the OFO for any of the above stated reasons, and shall provide Transporter with documentation sufficient to support its basis
for non-compliance but Transporter shall make the ultimate determination (in its reasonable discretion) as to whether Shipper’s compliance with the OFO is required.

8.5 Penalties: If a Shipper fails to comply with an OFO, it shall be subject to an OFO Penalty Charge for any quantity of gas by which it deviated from the requirements of the OFO. A Shipper shall not reimburse Transporter for any actual costs incurred by Transporter if the OFO was necessitated exclusively by Transporter’s gross negligence or willful misconduct or if Transporter incurred any actual costs in implementing the OFO exclusively caused by Transporter’s gross negligence or willful misconduct. On June 30 of each year, Transporter shall credit to non-offending Shippers (as defined below) any (a) unauthorized Excess Overrun Charges paid to Transporter and (b) penalty revenues paid to Transporter under this paragraph, both net of costs, received as of March 31 by Transporter from Shippers, by means of a credit (not a payment) to non-offending Shippers’ invoices, which shall be separately identified as such a credit. The credit shall be allocated among non-offending Shippers in proportion to transportation reservation and commodity charge revenues received from such Shippers during the previous year. A non-offending Shipper shall be a Shipper that is not billed for an Excess Overrun Charge or penalty under this paragraph in a month for which Transporter assesses the same to any other Shipper. A Shipper billed for an Excess Overrun Charge or penalty under this paragraph for a Month shall not receive any credit for that Month. If there are no non-offending Shippers in a Month, Transporter shall retain the Excess Overrun Charges and penalty revenues for that Month.

8.6 Liability of Transporter: Transporter shall not be liable for any costs, losses, damages, or liabilities incurred by any Shipper in complying with an OFO. Transporter shall not be responsible for any damages that result from any interruption in Shipper’s service that is a result of a Shipper’s failure to comply promptly and fully with an OFO, and the non-complying Shipper shall indemnify Transporter against any claims of responsibility. Shipper shall be responsible for any charges, penalties, losses or expenses assessed by an upstream or downstream interconnecting pipeline that result from Shipper’s failure to comply with an OFO, and shall indemnify Transporter against any of the same.

8.7 Unilateral Action: Transporter may periodically take unilateral action, including but not limited to the curtailment of service consistent with Section 9.3 of these General Terms and Conditions and/or operational purchases or sales under Section 24 of these General Terms and Conditions, to maintain the operational integrity of Transporter’s system (or any portion thereof) in any event, including without limitation in the event that: (1) Shipper(s) does not respond to an OFO; or (2) the actions taken thereunder are insufficient to correct the system problem for which the OFO was issued; or (3) there is insufficient time to carry out the procedures with respect to OFOs. For purposes of this Section, the operational integrity of Transporter’s system shall encompass the integrity of the physical system and the preservation of physical assets and their performance, the overall operating performance of the entire physical system as an entity (or any portion thereof), and the maintenance (on a reliable and operationally sound basis) of total system deliverability and the quality of gas delivered.

8.8 Reporting: Within thirty (30) days after an OFO terminates, Transporter shall prepare a report concerning the factors causing the OFO to be imposed and to be terminated. The report will be supplied to affected Shippers. Additionally, as to any affected Shippers with firm transportation service, Transporter and Shipper shall (at Shipper’s request) discuss the factors causing the OFO to be imposed and to be terminated and potential steps taken to prevent future OFOs for similar circumstances to the extent reasonably practical.
9. SCHEDULING OF RECEIPTS AND DELIVERIES

9.1 Scheduling and Allocation:

(a) Scheduling on Transporter’s system shall be accomplished by a Shipper following the standard nominations timeline set forth in Section 9.2 of these General Terms and Conditions. Transporter or its designee shall notify Shipper if nominated quantities are rejected. With notice to Shippers, Transporter may make arrangements with interconnecting entities to facilitate Shipper’s ability to schedule on one or more systems without duplicative communications or confirmations.

(b) Nomination notices by Shipper to Transporter shall be sent by electronic means specified by Transporter to:

   Attn:   Gas Scheduling
   E-Mail: mark.bering@dteenergy.com

   No transportation service will commence or be scheduled unless or until: (1) Transporter has received complete Shipper nomination information, including a specification of the Dth to flow; (2) any upstream or downstream entity involved agrees to deliver and receive the nominated quantities and confirm such agreement to Transporter’s or its designee’s reasonable satisfaction, including a specification of the quantities to flow; and (3) Shipper has been advised by Transporter or its designee that quantities have been scheduled pursuant to Shipper’s transportation service agreement. In the event of a discrepancy between the quantity nominated by a Shipper and the corresponding quantity confirmed by the upstream and downstream entities, Transporter shall schedule the lesser of the two quantities. All submissions of nominations and confirmations to Transporter shall be made according to the timeline for nominations set forth in this Section 9.1 of these General Terms and Conditions.

(c) Scheduling Duration: Unless otherwise agreed, the scheduled service specified in a nomination shall be effective commencing at 9:00 A.M. CCT on the beginning Gas Day and terminating at 9:00 A.M. CCT on the ending Gas Day, as specified in the nomination, provided that the requested time period is wholly within the term of the applicable transportation service agreement pursuant to which the nomination is submitted.

(d) Scheduling Nominations Timeline: Unless and until Transporter notifies Shipper that it has installed or otherwise commissioned the use of an interactive electronic information service, nominations and confirmations for transportation service on Transporter’s system shall be communicated in writing by e-mail or other agreed-upon means.

(e) Each nomination under this section shall be considered an original nomination unless replaced or changed. When a Shipper includes a date range as part of its nomination, each Day within that range is considered an original nomination. When a subsequent nomination is received for one or more Days within that range, the previous nomination shall be superseded by the subsequent nomination only to the extent of the Days specified. The Days of the previous nomination outside the range of the subsequent nomination are unaffected. Nominations have a prospective effect only. The Shipper shall adhere to nomination, confirmation and scheduling deadlines. It is the Transporter who has the right to waive the deadlines.
Transporter Service Provider ("TSP") supports nominations pursuant to NAESB Standard 1.3.2(i-vi). TSP shall support the following standard nomination cycles (all times are CCT pursuant to NAESB WGQ Standard No. 0.3.17):

(i) **The Timely Nomination Cycle**

On the day prior to gas flow:
- 1:00 p.m. Nominations leave control of the Service Requester (SR);
- 1:15 p.m. Nominations are received by the TSP (including from Title Transfer Tracking Service Providers (TTTSPs));
- 1:30 p.m. TSP sends the Quick Response to the SR;
- 4:30 p.m. TSP receives completed confirmations from Confirming Parties;
- 5:00 p.m. SR and Point Operator receive scheduled quantities from the TSP.

Scheduled quantities from Timely Nominations shall be effective at the start of the next Gas Day.

(ii) **The Evening Nomination Cycle**

On the day prior to gas flow:
- 6:00 p.m. Nominations leave control of the SR;
- 6:15 p.m. Nominations are received by the TSP (including from TTTSPs);
- 6:30 p.m. TSP sends the Quick Response to the SR;
- 8:30 p.m. TSP receives completed confirmations from Confirming Parties;
- 9:00 p.m. TSP provides Scheduled Quantities to affected SR and Point Operator, including bumped parties (notice to bumped parties).

Scheduled quantities from Evening Nominations shall be effective at the start of the next Gas Day.

(iii) **The Intraday 1 Nomination Cycle**

On the current Gas Day:
- 10:00 a.m. Nominations leave control of the SR;
- 10:15 a.m. Nominations are received by the TSP (including from TTTSPs);
- 10:30 a.m. TSP sends the Quick Response to the SR;
- 12:30 p.m. TSP receives completed confirmations from Confirming Parties;
- 1:00 p.m. TSP provides scheduled quantities to the affected SR and Point Operator, including bumped parties (notice to bumped parties).

Scheduled quantities resulting from Intraday 1 Nominations shall be effective at 2:00 p.m. on the current Gas Day.

(iv) **The Intraday 2 Nomination Cycle**

On the current Gas Day:
- 2:30 p.m. Nominations leave control of the SR;
- 2:45 p.m. Nominations are received by the TSP (including from
TTTSPs);

- 3:00 p.m. TSP sends the Quick Response to the SR;
- 5:00 p.m. TSP receives completed confirmations from Confirming Parties;
- 5:30 p.m. TSP provides scheduled quantities to the affected SR and Point Operator, including bumped parties (notice to bumped parties).

Scheduled quantities resulting from Intraday 2 Nominations shall be effective at 6:00 p.m. on the current Gas Day.

(v) The Intraday 3 Nomination Cycle
On the current Gas Day:

- 7:00 p.m. Nominations leave control of the SR;
- 7:15 p.m. Nominations are received of nominations by the TSP (including from TTTSPs);
- 7:30 p.m. TSP sends Quick Response to the SR;
- 9:30 p.m. TSP receives completed confirmations from Confirming Parties;
- 10:00 p.m. TSP provides scheduled quantities to the affected SR and Point Operator.

Scheduled quantities resulting from Intraday 3 Nominations shall be effective at 10:00 p.m. on the current Gas Day. Bumping is not allowed during the Intraday 3 Nomination Cycle.

(vi) For purposes of 9.1(e)(ii), (iii), (iv) and (v), “provide” shall mean, for transmittals pursuant to standards 1.4.x, receipt at the designated site, and for purposes of other forms of transmittal, it shall mean send or post.

(f) All nominations shall be stated in terms of a daily transportation quantity expressed in Dth; provided, however, that Transporter shall not be required to schedule any such nomination where the nominated quantity exceeds the MDQ or MIQ permitted under the transportation service agreement pursuant to which service is requested.

(g) The standard quantity for nominations, confirmation and scheduling is dekatherms per Gas Day.

(h) Bump Protection: Transporter shall not schedule a transportation nomination change during the Day, if the result of scheduling such nomination would be to bump flowing and scheduled transportation under any firm service agreement at the primary receipt or primary delivery point under the FT TSA up to the MDQ at such receipt or delivery point. Further, Transporter shall not schedule a transportation nomination change for the last nomination cycle of the gas Day if the result of scheduling such nomination would be to bump any other scheduled and flowing nomination including secondary firm or interruptible nominations.

(i) With respect to the timely nomination/confirmation process at a receipt or delivery point, in the absence of agreement to the contrary, the lesser of the confirmation quantities between the upstream and downstream parties should be the confirmed quantity. If there is a difference between the upstream and downstream nomination at a receipt or delivery point, the Transporter shall provide the Shipper with the following information to explain why the confirmed nomination was different than the submitted nomination, as applicable: (1) the Transporter did not have sufficient capacity for the nomination; (2) the upstream confirming party did not have sufficient capacity to deliver the
nomination; (3) the upstream shipper did not have the gas or submit the nomination; (4) the downstream confirming party did not have sufficient capacity to receive the nomination; (5) the downstream shipper did not have the market or submit the nomination.

9.2 Scheduling Priority: Transporter shall schedule receipts and deliveries of gas which have been properly nominated and confirmed in the following sequence and/or in accordance with the supply/market rankings provided in a Shipper’s nomination:

(a) First, among Rate Schedule FT Shippers using primary receipt and primary delivery points according to the quantities of gas scheduled by such Shippers, with any allocation required being pro rata based on MDQ;

(b) Second, among Rate Schedule FT Shippers using either combination of primary receipt and secondary delivery points or secondary receipt and primary delivery points within contract MDQ with available capacity allocated pro rata between the two nomination combinations according to the quantities of gas scheduled by such Shippers;

(c) Third, pro rata among Rate Schedule FT Shippers using secondary receipt and secondary delivery points within contract MDQ according to the quantities of gas scheduled by such Shippers;

(d) Fourth, among interruptible services. Interruptible services at higher transportation rates will be scheduled ahead of services at lower transportation rates. Interruptible services Shippers paying the same transportation rate shall be scheduled pro rata according to the quantities of gas scheduled by each Shipper.

9.3 Allocation of Limited Capacity:

(a) On-System Curtailment: If, on any Day, Transporter determines that the capacity of its system, or any portion thereof, including the point(s) at which gas is tendered for transportation, is insufficient to serve all Shippers that are scheduled to receive service on such Day, capacity that requires allocation shall be allocated in a manner that results in curtailment of capacity, to zero if necessary, pursuant to subsection (i) below:

(i) Curtailment will occur in the following order:

(1) First among interruptible services. Interruptible services at higher transportation rates will be given a higher priority than interruptible services at lower transportation rates. As for interruptible services Shippers paying the same transportation rate they shall be curtailed pro rata according to the quantities of gas scheduled by each Shipper.

(2) Second, pro rata among Rate Schedule FT Shippers that have previously scheduled gas that is thereafter subject to curtailment shall be treated as equals for curtailment, pro rata according to the quantities of gas scheduled by each FT Shipper.

(ii) The timing for reporting daily operational allocations after the gas has flowed is within one Business Day after the end of a Gas Day. If the best available data for reporting daily operational allocations is the Scheduled Quantity, that quantity should be used for the daily operational allocation.
The time limitation for disputing any allocation is 6 months from the date of the initial month-end allocation 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.

(b) Upstream or Downstream Curtailment: If an upstream entity curtails or interrupts deliveries to Transporter or a downstream entity curtails or interrupts receipts from Transporter, transportation by Transporter shall likewise be curtailed or interrupted and Shipper will be responsible for arranging adjustments of transportation quantities on all upstream/downstream interconnecting entities.

9.4 Uniform Quantities: Except for changes in service as provided in Section 9.1 of these General Terms and Conditions and except as limited under Transporter’s Operational Balancing Agreements with upstream and downstream pipelines, Shipper shall deliver and receive gas in accordance with its Scheduled Quantities up to its MHQ, MIQ and MDQ during any Gas Day; provided, however, that Transporter may waive this restriction on hourly quantities within any Gas Day to the extent operationally feasible in Transporter’s judgment, on a basis which is not unduly discriminatory. Additionally, in addition to any other amounts chargeable to Shipper for unauthorized imbalances, Shipper shall reimburse Transporter for any charges or penalties incurred by Transporter from an upstream or downstream interconnecting pipeline, to the extent that Shipper caused such charges or penalties. Notwithstanding the foregoing, if Shipper arranges for adequate balancing services by an interconnecting pipeline or by another capable entity and obtains Transporter’s consent for such an arrangement (which consent will not be unreasonably withheld), then Shipper’s quantities can fluctuate relative to Scheduled Quantities (but not in excess of the MHQ, MIQ or MDQ) to the extent balancing support is actually provided by such an entity and no disruption occurs to other Shippers or to Transporter’s system integrity, and subject to the terms of this Tariff and Rate Schedule IT or Rate Schedule FT.

9.5 Supply Deficiencies: If Transporter experiences a supply shortfall due to the under-receipt of supply to Transporter’s system, then: (a) if the deficient source is known, Transporter will curtail the corresponding Shipper; or (b) if the deficient sources are indeterminable, then, to the extent necessary and practicable, Transporter will curtail consistent with Section 9.3 of these General Terms and Conditions.

9.6 Shipper Duty to Control Imbalances: A Shipper receiving any transportation service from Transporter will use, or will cause any party receiving or delivering Shipper’s gas to use, all reasonable efforts to ensure that receipts and deliveries of gas are equal to the Scheduled Quantities, adjusted for FL&U. Shipper shall attempt to maintain and achieve a cumulative imbalance of zero. To the extent Transporter determines during the course of any Month that Shipper’s actual tender or take of gas to or from Transporter is differing from the Scheduled Quantities, Transporter shall so advise Shipper, soliciting or directing any nomination changes as Transporter may deem necessary or prudent under the circumstances, and advising Shipper of any such change. Transporter may in its discretion make physical flow corrections to cure the imbalance if Shipper is not adhering to Transporters’ directions. In addition to any other penalties assessable herein or in the Rate Schedule IT or Rate Schedule FT or TSA, Shipper shall reimburse Transporter for any charges or penalties incurred by Transporter for imbalances on upstream or downstream entities caused by Shipper.

9.7. Imbalance Settlement: Imbalances shall be determined and settled monthly. Within fifteen (15) Business Days following the end of each Month, Transporter shall issue to each Shipper a cumulative imbalance statement for the Month. Shipper shall correct any imbalance by subsequent
9.8 Imbalance Netting:

(a) Shippers may net between themselves imbalances incurred on Transporter’s system, provided such netting will not have an adverse impact on Transporter’s operations and transportation revenues. Netting of imbalances includes summing, which is the accumulation of all imbalances above any applicable tolerances, and offsetting, which is the combination of positive or negative imbalances above any applicable tolerances. All imbalances incurred by a Shipper will be aggregated and netted at Shipper’s most upstream primary receipt point.
10. INVOICING, PAYMENTS, AND PENALTY REVENUE CREDITING

10.1 Monthly invoicing date: Transporter shall prepare invoices (including imbalance statements) on or before the 10th Business Day of each month following the Month of service. Invoices may be rendered by mail or electronically.

10.2 Right of examination: If an invoice is in dispute by Shipper on a good faith basis, Shipper shall pay the portion not in dispute and provide documentation identifying the basis for the dispute. Both Transporter and Shipper shall have the right to examine at any reasonable time the applicable books and records (or portions thereof) and charts of the other to the extent necessary to verify the accuracy of any statement made under or pursuant to the provisions of the gas service agreement. Upon receipt of a request, the receiving party will either send the information relevant to the request to the other party or will provide the requestor the right to review such information in the receiving party’s offices.

10.3 Monthly Payment Date: Shipper (or other payor) shall pay Transporter, via electronic means as designated on each Monthly Invoice or via other mutually-agreed method, so that payment is received and Transporter has available funds within ten (10) calendar days from the date of the invoice, for the transportation service purchased by Shipper during the preceding month and invoiced by Transporter pursuant to this Tariff or the transportation service agreement. Shipper (or other payor) shall provide to Transporter supporting documentation with any payment as well as the appropriate invoice number on the payment(s). Transporter shall apply the payment pursuant to the supporting documentation provided. Since payment is to be made by electronic funds transfer, the remittance detail is due within two (2) Business Days of the payment due date.

10.4 Remedies for Nonpayment: Should Shipper fail to pay all of the amount of any invoice as herein provided when such amount is due, Shipper shall pay a Charge for Late Payment. Such Charge for Late Payment shall be determined by multiplying (a) the unpaid portion of the invoice, by (b) the ratio of the number of days from the due date to the date of actual payment to 365, and by (c) the interest rate determined in accordance with 18 C.F.R. Section 154.67 of the Commission’s Regulations. If such failure to pay continues for thirty (30) days after the payment is due, Transporter, in addition to any other remedy it may have under the Transportation Agreement, may suspend further delivery of Gas without further notice. If Transporter has provided Shipper and the Commission with at least thirty (30) days’ notice that service will terminate due to the non-payment, Transporter, in addition to any other remedy it may have under law or the transportation service agreement, may terminate the transportation service agreement unless Shipper has cured the deficiency within such 30-day notice period; provided, however, that if Shipper in good faith shall dispute the amount of any such invoice or part thereof and shall pay to Transporter such amounts as it concedes to be correct in addition to providing such remittance detail and documentation identifying the basis for the dispute, and at any time within thirty (30) days after a demand made by Transporter on a not unduly discriminatory basis shall furnish good and sufficient surety bond, guaranteeing payment to Transporter of the amount ultimately found due upon such invoices after a final determination, which may be reached either by agreement or judgment of the courts, as may be the case, then Transporter shall not be entitled to suspend or terminate the transportation service agreement until default be made in the conditions of such bond. Transporter shall notify the Commission of any actual suspension or termination of service pursuant to this Section 10.4.

10.5 Adjustment of Underpayment, Overpayment or Error in Billing: If it shall be found
within six months of the date on which the invoice was rendered that a Shipper has been overcharged or undercharged in any form whatsoever under the provisions of this Tariff or the transportation service agreement for the services covered by such invoice and Shipper shall have actually paid the invoices containing such overcharge or undercharge, then within thirty (30) days after the final determination thereof, which shall be no later than ninety (90) days from the date which the claim for adjustment was made, Transporter shall refund the amount of such overcharge and Shipper shall pay the amount of any such undercharge; provided, however, if the overcharge or undercharge is the result of a deliberate omission or misrepresentation by either party or a mutual mistake of fact, then the period for resolving adjustments is tolled until the claimed adjustment is settled. Interest calculated in accord with Section 10.4 above shall apply to any overcharge or undercharge not paid or refunded within thirty (30) days from the date of the determination of the amount of the undercharge or overcharge.

10.6 Penalty Revenue Crediting:

(a) **OFO penalties.** In the event Transporter collects OFO penalties pursuant to Section 8.5 of the General Terms and Conditions of this Tariff, such penalty revenues, net of Transporter’s costs, shall be credited annually to all non-offending firm transportation Shippers by invoice credit, pursuant to the provisions of Section 8.5 of the General Terms and Conditions of this Tariff.

(b) **Excess Overrun Penalties.** In the event Transporter collects unauthorized excess overrun penalties pursuant to Section 5.5 of Rate Schedule FT or Rate Schedule IT, such penalty revenues, net of Transporter’s costs, shall be credited annually to all non-offending firm transportation Shippers by invoice credit, pursuant to the provisions of Section 8.5 of the General Terms and Conditions of this Tariff.

(c) Credits to eligible Shippers under the above (a) and (b) shall be made on a pro rata basis, based on a Shipper’s total reservation and commodity charges paid each Month but subject to Section 8.5 of the General Terms and Conditions of this Tariff. A monthly credit will not be provided to a Shipper that incurred a penalty during that Month. The credit shall be made not later than the March accounting Month statement sent to Shippers subsequent to the annual period. In the event there are OFO penalties and/or unauthorized overrun penalties assessed and no non-offending firm transportation Shippers for a given Month, the applicable credit amounts for that Month shall be booked to Account No. 495, Other Gas Revenues.

(d) Transporter will calculate and credit to Shippers as appropriate, interest on monies collected pursuant to GT&C Sections 10.6 (a) and (b). Such interest will be calculated in accordance with Section 154.501(d) of the Commission’s regulations.
11. TEMPORARY RELEASE OR PERMANENT ASSIGNMENT OF RIGHTS TO FIRM TRANSPORTATION SERVICE

11.1 Applicability: This Section 11 implements in principle the Commission’s Regulations at 18 C.F.R. Section 284.8 and is applicable to any Shipper that holds rights to firm transportation under Rate Schedule FT that elects temporarily to release or permanently to assign all or a portion of such firm transportation rights (“Releasing Shipper”). The term “release” or “released” shall apply to permanent assignments as well as temporary releases unless otherwise noted. A Releasing Shipper shall have the right to release any portion of its firm transportation rights and obligations but only to the extent that the rights so released are acquired by another party pursuant to the provisions of this Section 11 and such party executes a transportation service agreement with Transporter. Such party shall be referred to herein as “Replacement Shipper.” A person that desires to bid on and obtain firm transportation rights released under the provisions of this Section 11 shall be known as a “Bidder.”

11.2 Any Firm Shipper desiring to release all or part of its capacity rights may do so by pre-arrangement with a Replacement Shipper or by use of a bidding procedure.

(a) The following prearranged releases are exempt from the bidding procedure: (i) a release of capacity to an asset manager as defined in 18 C.F.R. Section 284.8(h)(4); (ii) a release of capacity to a marketer participating in a state-regulated retail access program as defined in 18 C.F.R. 284.8(h)(5); (iii) a release for more than one year at the maximum Tariff rate; and (iv) a release with a term of thirty-one (31) days or less, except rollovers. Any other capacity release and assignment shall require advance posting on Transporter’s internet-accessible Website. Releasing Shipper shall notify Transporter when it releases capacity to an asset manager or a marketer participating in a state-regulated retail access program, as defined in the Commission’s regulations.

(b) Where the capacity in question is the subject of a prearranged release transaction, it shall be posted pursuant to paragraph (c). Such posting shall identify the Release Quantity, the rate to be paid, and any other information describing the nature of the prearranged release. Should Transporter within such posting period receive an offer from a creditworthy third party Bidder to pay a rate in excess of that reflected in the prearranged release transaction for the capacity in question, Transporter shall so notify the Releasing and Replacement Shippers, and Replacement Shipper will be afforded a period of one Business Day to advise Transporter of its willingness to match the higher offer. In any event, Transporter’s acceptance of such pre-arranged release shall be conditioned on the Replacement Shipper satisfying Transporter’s creditworthiness requirements and Releasing Shipper’s continued commitment to pay Transporter the difference between the rate contained in the Releasing Shipper’s FT agreement and, if lower, the rate to be paid by the Replacement Shipper. Capacity that is to be made available for release on other than a prearranged basis shall be posted for bids in accordance with the instructions of the Releasing Shipper.

(c) For biddable releases in which the Replacement Shipper satisfies Transporter’s creditworthiness requirements and Releasing Shipper commits to pay Transporter the difference between the rate contained in Shipper’s FT agreement and, if lower, the rate to be paid by Replacement Shipper, the following timelines shall apply:

(1) For biddable releases (1 year or less):
(i) Offers should be tendered such that they can be posted by 9:00 a.m. on a Business Day.

(ii) Open season ends at 10:00 a.m. on the same or a subsequent Business Day.

(iii) Evaluation period begins at 10:00 a.m., during which any contingencies are eliminated, determination of best Bid is made, and ties are broken.

(iv) If no match is required, the evaluation period ends and the Award is posted by 11:00 a.m.

(v) Where match is required, the match is communicated by 11:00 a.m., the match response occurs by 11:30 a.m., and the Award is posted by 12:00 Noon.

(vi) The contract is issued within one hour of the Award posting (with a new contract number, when applicable).

(vii) Nomination is possible beginning at the next available nomination cycle for the effective date of the contract.

(2) For biddable releases (more than 1 year):

(i) Offers should be tendered such that they can be posted by 9:00 a.m. on a Business Day.

(ii) Open season shall include no less than three 9:00 a.m. to 10:00 a.m. time period on consecutive Business Days.

(iii) Evaluation period begins at 10:00 a.m., during which any contingencies are eliminated, determination of best Bid is made, and ties are broken.

(iv) If no match is required, the evaluation period ends and the Award is posted by 11:00 a.m.

(v) Where match is required, the match is communicated by 11:00 a.m., the match response occurs by 11:30 a.m., and the Award is posted by 12:00 Noon.

(vi) The contract is issued within one hour of the Award posting (with a new contract number, when applicable).

(vii) Nomination is possible beginning at the next available nomination cycle for the effective date of the contract.

(d) For non-biddable releases, the posting of prearranged deals that are not subject to bid are due no later than one hour prior to the nomination deadline for the applicable cycle, pursuant to
NAESB WGQ Standard No. 1.3.2.

(1) The posting deadlines are:

   (i) Timely Cycle       12:00 Noon
   (ii) Evening Cycle     5:00 p.m.
   (iii) Intraday 1 Cycle 9:00 a.m.
   (iv) Intraday 2 Cycle  1:30 p.m.
   (v) Intraday 3 Cycle   6:00 p.m.

(2) The contract is issued within one hour of the Award posting (with a new contract number, when applicable).

(3) Nomination is possible beginning at the next available nomination cycle for the effective date of the contract.

11.3 Submission of Release Documents: Parties shall submit all necessary information, release requests and bids to Transporter for its information via electronic means acceptable to Transporter. In the case of prearranged releases, the Releasing Shipper shall submit with its release request complete documentation consistent with this Tariff and submit it with the Replacement Shipper’s signature to Transporter for review and approval. In the case of releases subject to bidding, the Releasing Shipper shall submit with its release adequate documentation consistent with this Tariff that has been completed except for the price and identity of the winning Bidder, which Transporter shall complete upon award of the release. E-mail addresses shall be supplied to Transporter by the Releasing Shipper, any prearranged Replacement Shipper and all Bidders for released capacity.

11.4 Marketing of Released Capacity: Transporter shall have no obligation to market any capacity available to be released by a Releasing Shipper. Nevertheless, Transporter may agree to market capacity for a Releasing Shipper and may negotiate a fee with the Releasing Shipper for such service. Any marketing services rendered by Transporter will be provided on a non-discriminatory basis.

11.5 Further Conditions on Release of Transportation:

   (a) Persons participating in this capacity release program agree to be bound by and shall comply with the terms and conditions of this Tariff, and all applicable Commission rules, orders and regulations.

   (b) All terms and conditions in all release requests must be objectively stated, applicable to all Bidders and nondiscriminatory.

   (c) The minimum term for release shall be one Day and the maximum term shall be the remaining term of the Releasing Shipper’s transportation service agreement.

   (d) There is no maximum rate for any capacity release for a term of one year or less if the release is to take effect on or before one year from the date on which Transporter is notified. The maximum rate for any capacity release for a term of more than one year shall be the applicable maximum demand charge and usage charges, as well as all other applicable rates, charges, and surcharges set forth in this Tariff, notwithstanding any discount with respect to such applicable rates, charges or surcharges then in effect for the Releasing Shipper. Alternatively, releases may be on the basis of a volumetric charge, up to the 100% load factor derivative of the maximum reservation and usage charges. No other
rate form will be permitted for a release. Except for volumetric rates, no release may be on a Negotiated Rate basis, even if the Releasing Shipper is paying a Negotiated Rate. Converting a daily rate to a monthly rate is accomplished by multiplying the daily rate times 365; dividing the result by 12; and taking the remainder out to 5 decimal places. Converting a monthly rate to a daily rate is accomplished by multiplying the monthly rate times 12; dividing the result by 365; and taking the remainder out to 5 decimal places and rounding up or down.

(e)

(i) All terms and conditions of all releases must be consistent with the terms and conditions of the Releasing Shipper’s FT Agreement and with this Tariff, including the provisions on nominations and scheduling of transportation and curtailment of service.

(ii) Bids are binding until written or electronic notice of withdrawal is received by Transporter. Bids cannot be withdrawn after the bid period ends.

(iii) Release offers are binding until written or electronic notice of withdrawal is received by Transporter. The Releasing Shipper has the right to withdraw its offer during the bid period, where unanticipated circumstances justify and no minimum bid has been made.

(iv) Transporter will post offers and bids, including prearranged deals, upon receipt. A Releasing Shipper may request a later posting time for posting of such offer, and Transporter will support such request insofar as it comports with the standard timeline set forth in Section 11.2 (c) of the General Terms and Conditions of this Tariff.

(v) A Releasing Shipper may not specify an extension of the original bid period or the pre-arranged deal match period, without posting a new release.

(vi) The Releasing Shipper should specify which one of the following methods is acceptable for bidding on a given capacity release offer:

(1) Non-index-based release - dollars and cents,
(2) Non-index-based release - percentage of maximum rate, or
(3) Index-based formula as detailed in the capacity release offer.

The bids for the given capacity release offer should adhere to the method specified by the Releasing Shipper. The Bidder may bid the maximum reservation rate, in the Transportation Service Provider’s Tariff or general terms and conditions, as an alternative to the method specified by the Releasing Shipper, except when the release is index-based for a term of one year or less or utilizes market-based rates.

(vii) For the capacity release process, only the following methodologies are required to be supported by capacity release service providers and provided to Releasing Shippers as choices from which they may select and, once chosen, should be used in determining the awards from the bid(s) submitted. They are:

(1) highest rate,
(2) net revenue and
(3) present value.
For index-based capacity release transactions, the Releasing Shipper should provide the necessary information and instructions to support the chosen methodology. Other choices of bid evaluation methodology (including other releasing shipper defined evaluation methodologies) can be accorded similar timeline evaluation treatment at the discretion of the capacity release service provider. However, the capacity release service provider is not required to offer other choices or similar timeline treatment for other choices, nor is the capacity release service provider held to the timeline should the Releasing Shipper elect another method of evaluation.

(f) Notwithstanding anything herein to the contrary, Releasing Shippers shall remain responsible for payment of all demand charges for released transportation unless Transporter consents to a permanent release and the permanent release has been validly implemented. Transporter and Shipper may, in connection with their agreement to a Negotiated Rate under an FT Agreement, agree upon Releasing Shipper’s payment obligations and crediting mechanisms in the event of a capacity release that vary from or are in addition to those set forth in this Section. In such event, the Releasing Shipper shall receive a demand credit equaling the demand dollars for which Transporter collects from the Replacement Shipper. A demand rate for the purposes of this Section 11 consists of:

(i) the base demand rate, and
(ii) all applicable surcharges.

Any discount from said rate comes first off the surcharges and then off the base demand rate. Therefore, a Releasing Shipper paying a discounted rate is only entitled to receive any revenues from the release of its capacity that exceed the amount of the applicable surcharges.

(g) Transporter shall invoice a Replacement Shipper in accordance with Section 10 of these General Terms and Conditions based upon the rates, charges, and surcharges incorporated in the transportation service agreement between Transporter and the Replacement Shipper. The usage charges for the Replacement Shipper will include the maximum usage rate under the applicable rate schedule including all adjustments. If the Replacement Shipper fails to pay all or any portion of any invoice by the due date specified on the invoice, Transporter shall send an invoice to the Releasing Shipper for all unpaid amounts up to the amount of the Releasing Shipper’s reservation charge, which the Releasing Shipper shall pay to Transporter with interest on the unpaid amount, which interest shall be calculated from the date that Transporter credited the Releasing Shipper for the applicable demand charges in accordance with (f) above. The Releasing Shipper shall submit the payment within ten days after receipt of Transporter’s invoice. The Releasing Shipper shall be responsible for obtaining reimbursement for any such payment from the Replacement Shipper. Failure of either the Replacement Shipper or the Releasing Shipper to pay invoices shall entitle Transporter to exercise the remedies available under the applicable transportation service agreement and this Tariff, including suspension or termination of service to the Releasing Shipper and/or the Replacement Shipper, as well as any other remedies available to Transporter.

(h) Except in case of permanent assignment, any increase in Transporter’s rates, charges, and surcharges shall remain the responsibility of the Releasing Shipper; provided, however, that the Releasing Shipper may provide in its release request for the rates, charges or surcharges for released service rights to increase in accordance with such increase in Transporter’s rates, charges, and surcharges. Any refunds of any rates or charges ordered by the Commission shall be paid by Transporter to the Releasing Shipper and/or the Replacement Shipper in the manner specified in the release request and incorporated in the transportation service agreement between Transporter and the Replacement Shipper.

(i) Except in case of permanent assignment, Transporter shall accept nominations,
schedule transportation, afford priority of service, and curtail service based on instructions and communications from the Releasing Shipper and the Replacement Shipper that are consistent with one another and with the terms and conditions of this Tariff and their respective transportation service agreements. If instructions or nominations from the Releasing Shipper and Replacement Shipper are inconsistent or conflicting, and if Transporter is unable to resolve the conflict prior to the time that it must take the required action, Transporter shall comply with the instructions of the Releasing Shipper; provided, however, that such instructions must not be inconsistent with this Tariff. The Releasing Shipper will indemnify Transporter against any claim or suit by the Replacement Shipper, its successors or assigns, arising from any action taken by Transporter in reliance upon the Releasing Shipper’s nominations and instructions and will hold Transporter harmless for any action taken by Transporter in reliance upon the nominations and scheduling instructions of the Replacement Shipper. The Replacement Shipper will indemnify Transporter against any claim or suit by the Releasing Shipper, its successors or assigns, arising from any action taken by Transporter in reliance upon the nominations and scheduling instructions of the Replacement Shipper and will hold Transporter harmless for any actions taken by Transporter in reliance upon the instructions of the Releasing Shipper.

(j) Except in case of permanent assignment, Replacement Shippers may not change primary points or otherwise alter the underlying transportation service agreement without the consent of the Releasing Shipper. Replacement Shippers may use secondary points.

(k) All transportation rights released hereunder shall be scheduled and curtailed as firm transportation service under Section 9 of these General Terms and Conditions. Interruption or curtailment of such released service shall be in accordance with interruption or curtailment of firm service under this Tariff and as prescribed by the terms of the release.

11.6 Procedure for Manual Index-Based Capacity Release: The Releasing Shipper shall submit all the information necessary for an index-based capacity release to Transporter by e-mail, in accordance with this Tariff. Transporter will post a notice that provides the details of the index-based capacity release offer on its website. For biddable releases, a Bidder shall submit its bid to Transporter by e-mail. Transporter will manually evaluate any bids for an index-based capacity release, and award the capacity by the deadline prescribed by the Releasing Shipper, in accordance with this Tariff. Transporter will post details regarding the winning bid on its website.

11.7 Offers to Acquire Firm Capacity: Transporter agrees to post on its internet website as part of its Informational Postings, at an approved Replacement Shipper’s request, offers to purchase releasable firm capacity on a permanent or temporary basis. Each offer will remain in the Informational Postings for at least thirty (30) Business Days before it is removed, unless the requesting party notifies Transporter prior to the expiration of any thirty-day period that it wishes to extend the posting for an additional thirty (30) Business Days. Such offers may be tendered electronically to the Transporter by email. These offers must include, at a minimum, the following information:

(a) The party’s complete contact information,
(b) The quantity(ies) requested,
(c) The date the released capacity is desired,
(d) The receipt and delivery point(s),
(e) The rate per Dth being offered, and
(f) Any other terms and conditions.

11.8 Recall Rights: Transporter should provide the following recall notification periods for all released capacity subject to recall rights.
(a) Timely Recall Notification:

(i) A Releasing Shipper recalling capacity should provide notice of such recall to the TSP and the first Replacement Shipper no later than 8:00 a.m. on the day that Timely Nominations are due;

(ii) The TSP should provide notification of such recall to all affected Replacement Shippers no later than 9:00 a.m. on the day that Timely Nominations are due.

(b) Early Evening Recall Notification:

(i) A Releasing Shipper recalling capacity should provide notice of such recall to the TSP and the first Replacement Shipper no later than 3:00 p.m. on the day that Evening Nominations are due;

(ii) The TSP should provide notification of such recall to all affected Replacement Shippers no later than 4:00 p.m. on the day that Evening Nominations are due.

(c) Evening Recall Notification:

(i) A Releasing Shipper recalling capacity should provide notice of such recall to the TSP and the first Replacement Shipper no later than 5:00 p.m. on the day that Evening Nominations are due;

(ii) The TSP should provide notification of such recall to all affected Replacement Shippers no later than 6:00 p.m. on the day that Evening Nominations are due.

(d) Intraday 1 Recall Notification:

(i) A Releasing Shipper recalling capacity should provide notice of such recall to the TSP and the first Replacement Shipper no later than 7:00 a.m. on the day that Intraday 1 Nominations are due;

(ii) The TSP should provide notification of such recall to all affected Replacement Shippers no later than 8:00 a.m. on the day that Intraday 1 Nominations are due.

(e) Intraday 2 Recall Notification:

(i) A Releasing Shipper recalling capacity should provide notice of such recall to the TSP and the first Replacement Shipper no later than 12:00 p.m. on the day that Intraday 2 Nominations are due;

(ii) The TSP should provide notification of such recall to all affected Replacement Shippers no later than 1:00 p.m. on the day that Intraday 2 Nominations are due.
(f) Intraday 3 Recall Notification:

(i) A Releasing Shipper recalling capacity should provide notice of such recall to the TSP and the first Replacement Shipper no later than 4:00 p.m. on the day that Intraday 3 Nominations are due;

(ii) The TSP should provide notification of such recall to all affected Replacement Shippers no later than 5:00 p.m. on the day that Intraday 3 Nominations are due.
12. POSSESSION OF GAS, RISK OF LOSS, LIABILITY, AND LIMITATION OF DAMAGES

12.1 As between Shipper and Transporter, Shipper shall be deemed to be in control and possession of gas and responsible therefore and shall hold Transporter harmless of and from any damage or injury caused thereby until the gas shall have been delivered to Transporter at the receipt point(s), after which Transporter shall be deemed to be in control and possession of such gas until its delivery to Shipper or for Shipper’s account at the delivery point(s) and while in such possession Transporter shall be responsible therefore and hold Shipper harmless of and from any damage or injury caused thereby so long as the quality of the same meets the specifications of this Tariff. Transporter shall have no responsibility with respect to any gas on account of anything which may be done, happen or arise with respect to said gas until it is received by Transporter. Shipper shall have no responsibility with respect to said gas after its receipt by Transporter on account of anything which may be done, happen or arise with respect to said gas after such receipt until its delivery to Shipper, or for Shipper’s account, at the delivery point(s), except in the event that said gas does not meet the specification of this Tariff. The point of the division of responsibility shall be the point of interconnection between the facilities of Transporter and Shipper or downstream transporter, or their respective agents, at the Receipt or Delivery Point(s), as applicable. The foregoing provisions of this Section shall not relieve either party from responsibility for acts of concurring negligence, gross negligence or willful misconduct of such party, its agents or employees.

12.2 Except for issues of force majeure, which shall be governed by Section 16 of this Tariff, and notwithstanding other provisions herein, each party (the “Indemnitor”) shall indemnify and hold harmless the other party and its related parties (collectively, the “Indemnitee”) from and against any and all claims, demands, causes of action, costs, actions, damages, losses, expenses or liabilities (“Claims”) reasonably and necessarily incurred by the Indemnitee to the extent such claims arise out of the Indemnitor’s acts or omissions associated with the performance of the Indemnitor’s obligations under this Tariff; provided, however, that this obligation shall not apply to the extent such claims arise out of the acts or omissions that are the result of the Indemnitee’s concurring negligence, gross negligence or willful misconduct, nor to the extent that strict liability is imposed upon the Indemnitee as a matter of law.

12.3 In the event that both Transporter and Shipper or their respective related parties are adjudicated negligent or otherwise at fault or strictly liable without fault with respect to damage or injuries sustained by a third-party claimant, the contractual obligation of indemnification set forth in Section 12.2 shall continue, but in such case the Transporter (as to itself and its related parties) and Shipper (as to itself and its related parties) shall each indemnify the other only for the percentage of responsibility for the damage or injuries adjudicated to be attributed to each Indemnitor. It is intended that, to the extent in such a situation either Transporter or Shipper pays such third-party claimant for its costs, losses, liabilities, expenses and/or judgments attributed to the percentage of negligence, fault or liability of the other, these obligations of indemnification shall function as a contractual arrangement of contribution. This contractual arrangement of contribution shall survive settlement of an underlying third-party claim and, provided that notice and the right to participate in the investigation, defense, and resolution (including settlement) of such third-party claim has been provided, shall apply to voluntary settlements made by either Transporter or Shipper with the third party.

12.4 The indemnity provisions of this Section 12 shall survive the expiration or early termination of any transportation service agreement for a period of two (2) years from the date of such expiration or termination.
12.5 A party’s liability under this Tariff shall be limited to direct actual damages only and in no event will either party be liable under this Tariff, whether in contract or in tort, or otherwise, for any incidental, consequential, indirect, special or punitive damages or lost profits, by statute, in tort, or contract, under any indemnity provision or otherwise (except for third party claim indemnity obligations), all of the same being hereby expressly waived and negated. It is the intent of the parties that the limitations herein imposed on remedies and the measure of damages be without regard to the cause or causes related thereto, including the strict liability or negligence of any party, whether such strict liability or negligence be sole, joint or concurrent, or active or passive. To the extent any damages required to be paid hereunder are liquidated, the parties acknowledge that the damages are difficult or impossible to determine, or otherwise obtaining an adequate remedy is inconvenient, and the damages calculated hereunder constitute a reasonable approximation of the harm or loss.
13. **WARRANTY OF TITLE TO GAS**

Shipper warrants for itself, its successors and assigns, that it will have, at the time of delivery of gas hereunder, good title or the right to acquire title to the gas it receives or delivers and that the gas it receives or delivers hereunder shall be free and clear of all liens, encumbrances and claims whatsoever. In the event of a breach of this warranty, Shipper shall indemnify Transporter and save it harmless from all suits, actions, debts, accounts, damages, costs, losses, and expenses arising from or out of any adverse claims of any and all persons to said gas and/or to royalties, taxes, license fees or charges thereon applicable for such delivery of gas, and Shipper will indemnify Transporter and save it harmless from all taxes or assessments that may be levied and assessed upon such delivery and which are by law payable by, and the obligation of, the party making such delivery. If Shipper’s title or right to deliver gas to be transported is questioned or involved in any action, Shipper shall not qualify for nor be eligible to continue to receive service until such time as Shipper’s title or right to deliver is free from question; provided, however, Transporter shall allow Shipper to qualify for or continue receiving service under this Tariff if Shipper furnishes a bond satisfactory to Transporter. Title to the gas received by Transporter at the receipt point(s) shall not pass to Transporter, except for title to gas delivered for FL&U, which shall pass to Transporter upon delivery at the receipt point(s).
14. PRESSURES AND AVAILABILITY OF DELIVERY POINTS

Unless otherwise agreed between Transporter and Shipper, Shipper shall deliver Gas to Transporter at the pressure required from time to time to enable the Gas to enter Transporter’s facilities at the receipt point(s) and to enable Transporter to deliver Gas to Shipper at the delivery point(s) at the minimum pressure requirements, if any, specified in the transportation service agreement. Unless otherwise agreed between Transporter and Shipper, and provided that Shipper has delivered Gas to Transporter in accordance with this Section 14, Transporter shall deliver Gas to Shipper at Transporter’s line pressure existing at the delivery point(s), subject to Transporter’s protecting its operational integrity and to minimum pressure requirements, if any, specified in the transportation service agreement.
15. FL&U

15.1 Transactions will be assessed a charge for FL&U as identified on the Statement of Rates. Transporter shall adjust the FL&U reimbursement percentage on a seasonal basis, to take into account both prospective changes in FL&U requirements and unrecovered FL&U quantities from the preceding period as described at Section 15.2 below. Any such adjustments to the FL&U reimbursement percentage shall be posted on Transporter’s website. Transporter shall file with the Commission a FL&U Adjustment Report filing on or before March 31 of each year to support the FL&U reimbursement percentage seasonal adjustments during the twelve (12) months ending the preceding December 31.

15.2 The FL&U percentage, as adjusted by Transporter on a seasonal basis, shall consist of (i) the Current FL&U Percentage, and (ii) the Unrecovered FL&U Percentage, calculated in the following manner:

(a) Current FL&U Percentage Component. Transporter shall calculate the Current FL&U Percentages by: (i) estimating the total FL&U quantities required during the upcoming season (“Current FL&U Quantities”) and (ii) dividing those volumetric figures by the total FL&U quantities required by Transporter to flow during the same period (“Current Rate Schedule Quantities”).

(b) Unrecovered FL&U Percentage Component. Transporter shall calculate the Unrecovered FL&U Percentages by: (i) determining the FL&U quantities for the preceding season (“Preceding Season”); (ii) subtracting the FL&U quantities retained by Transporter during that Preceding Season; and (iii) dividing the results (the “Unrecovered FL&U Quantities”), whether positive or negative, by the Current Rate Schedule Quantities for the upcoming season.

(c) Transporter shall add (i) the Current FL&U Percentages, as calculated in accordance with paragraph (a) above, and (ii) the Unrecovered FL&U Percentages (whether a positive figure reflecting an under-recovery or a negative figure reflecting an over-recovery), as calculated in accordance with paragraph (b) above. The resulting total FL&U percentages shall be effective until the effective date of Transporter’s next succeeding seasonal adjustment.
16. EXCUSE OF PERFORMANCE AND REMEDIES

16.1 Relief From Liability: If by reason of force majeure, either party hereto is rendered unable, wholly or in part, to carry out its obligations under this Tariff or any service agreement (not including payment obligations), and if such party gives notice and reasonably full particulars of such force majeure in writing or by electronic mail to the other party promptly after the occurrence of the cause relied on, the party giving such notice, so far as and to the extent that it is affected by such force majeure, shall be relieved of its performance obligations under this Tariff affected by such force majeure event and shall not be liable in damages to the other party during the continuance of any inability so caused; provided, however, that such cause shall be remedied with all reasonable dispatch.

16.2 As used in this Tariff, “force majeure” shall mean acts of God, strikes, lockouts or other industrial disturbances; acts of public enemy, wars, blockades, insurrections, riots, epidemics, landslides, lightning, earthquakes, fires, storms, crevasses, floods or washouts; arrests and restraints imposed by the government, either federal, state or local, civil or military (except those that result in planned or scheduled outage service interruptions on the pipeline); the binding order of any court, legislative body, or governmental authority that has been resisted in good faith by all reasonable legal means (except those that result in planned or scheduled outage service interruptions on the pipeline); vandalism, sabotage, acts of terrorism or civil disturbances; relocation of facilities; breakage or accidents to machinery or lines of pipe; failure of surface equipment or pipelines; accidents, breakdowns or the inability of a party to obtain necessary material, supplies, permits, rights-of-way or labor to perform or comply with any obligation or condition of this Tariff; and any other causes, whether of the kind enumerated in this Tariff or otherwise, that are not reasonably within the control of the party claiming suspension. A claim of force majeure affecting the performance of a transportation service agreement under this Tariff by either party shall not relieve such party of liability in the event of such party’s failure to use due diligence to remedy the situation and to remove the cause or contingencies affecting such performance in an adequate manner and with all reasonable dispatch, nor shall such causes or contingencies affecting such performance relieve any party from its obligations to make payments as specified in this Tariff. It is understood and agreed that the settlement of strikes or lockouts shall be entirely within the discretion of the party having the difficulty, and that the above requirement that any force majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes or lockouts by acceding to the demands of the opposing party when such course is inadvisable in the discretion of the party having the difficulty. Scheduled Maintenance Events as defined in Section 16.3 do not constitute a force majeure event.

16.3 Liabilities Not Relieved: Such causes or contingencies affecting the performance of said transportation service agreement by either party, however, shall not relieve it of liability in the event of its contributory negligence or in the event of its failure to use due diligence to remedy the situation and remove the cause in an adequate manner and with all reasonable dispatch, nor shall such causes or contingencies relieve either party of its obligations to meet the quality standards set forth in these General Terms and Conditions, nor shall such causes or contingencies affecting the performance of said transportation service agreement relieve either party from its obligations to make payments of reservation charges or other amounts under the applicable transportation service agreement or otherwise, nor shall such causes or contingencies relieve either party of liability unless such party shall give notice and full particulars of the same in writing or by fax to the other party as soon as possible after the occurrence relied on. Provided further that Transporter may suspend performance hereunder to the extent required to make necessary or reasonably desirable inspections, alterations, testing, maintenance or repairs to any part of the pipeline or other facilities and to make any required modifications thereto (each such non-emergency event a “Scheduled Maintenance Event”). Transporter shall give Shipper reasonable notice
of its intention to suspend its performance hereunder, except in cases of emergency where such notice is impracticable or in cases where the operations of Shipper will not be affected; to the extent reasonably possible Transporter shall entertain any reasonable requests of any Shipper that has firm transportation service as to minor rescheduling of Scheduled Maintenance Events in order to mitigate (to the extent possible) the potential adverse effects of a Scheduled Maintenance Event on such Shipper.

16.4 Reservation Fee Adjustment: In the event Transporter fails to accept or redeliver on any Gas Day the quantity of gas received at the primary receipt point for Shipper’s account, less FL&U, and nominated to the primary delivery point, up to the FT MDQ, the reservation fee shall be decreased by an amount equal to the reservation fee on a 100 percent load factor basis for that Gas Day multiplied by the quantity received, less FL&U, and not redelivered. The 100 percent load factor reservation fee shall be adjusted on a proportionate basis in the case of an executed service agreement containing a negotiated reservation fee. Transporter shall provide partial reservation charge credits if its failure to deliver is a result of an Operational Flow Order in effect on such Gas Day due to a force majeure event outside Transporter’s control (subject to Section 16.5(b) that was not caused by Shipper. If, however, Transporter and Shipper mutually agree, Transporter may allow Shipper to transport make-up gas with an agreed-upon period of time in which event Transporter shall be relieved of its obligation to provide a reservation fee adjustment.

16.5 Transporter shall not be obligated to adjust the reservation fee pursuant to Section 16.4 of these General Terms and Conditions when Transporter’s failure to deliver:

(a) is based on events due solely to that Shipper (including contributory negligence) or due solely to the upstream or downstream pipeline and outside the control of Transporter;

(b) occurs during a Scheduled Maintenance Event, where the timing of such Scheduled Maintenance Event was mutually agreed in advance by Transporter and Shipper (such agreement not to be unreasonably withheld by either party) or

(c) occurs either (i) within ten days following a force majeure event as contemplated by Section 16.1 of these General Terms and Conditions or (ii) prior to the date Transporter has or should have, in the exercise of due diligence, overcome the force majeure event, whichever occurs first.
17. NOTICES AND COMMUNICATIONS

Except when these General Terms and Conditions require it to give notice through its Internet web site, any communication, notice, request, demand, statement or invoice provided for in this Tariff or in a transportation service agreement, or any notice that either Transporter or Shipper may desire to give to the other, shall be in writing and shall be considered as duly presented, rendered or delivered when delivered by email, or when sent by electronic medium or such other method mutually agreed upon between the parties, at such address as that party may designate. More specifically, the method of communication shall be as follows for the items designated:

(a) Communications regarding the right of first refusal under Section 7 of these General Terms and Conditions shall be in writing and sent by electronic methods, ordinary mail or other physical delivery. The posting for bidding shall be on Transporter’s Internet web site.

(b) Operational Flow Orders shall be communicated as provided in Section 8.3 of these General Terms and Conditions.

(c) Nominations and all communications related to scheduling and curtailment shall be via email or by other electronic means acceptable to both parties.

(d) Communications regarding invoicing and payment shall be consistent with Section 10 of these General Terms and Conditions.

(e) The current FL&U percentage and any change in such percentage shall be communicated via posting on Transporter’s web site.

(f) Requests for service must be submitted in a form and manner consistent with Section 5.

(g) Capacity release offers and bids must be communicated in accordance with the procedures set forth in Section 11.
18. MODIFICATION

No modification of the terms and provisions of an executed transportation service agreement shall be made except by the execution of a superseding transportation service agreement or the execution of a superseding exhibit to such agreement.
19. WAIVERS

19.1 Transporter may waive any rights hereunder or any obligations of Shipper as to any specific default that has already occurred, or case-by-case in advance as to any specific, temporary operation problem, on a basis which is not unduly discriminatory; provided that no waiver shall operate or be construed as a waiver of other or future rights or obligations, whether of a like or different character.

19.2 No waiver by either Shipper or Transporter of any one or more defaults by the other in performance of any of the provisions of the transportation service agreement shall operate or be construed as a waiver of any other existing or future default or defaults, whether of a like or of a different character.
20. APPLICABLE REGULATIONS & SEVERABILITY

This Tariff, including these General Terms and Conditions, and the respective obligations of the parties under transportation service agreements, are subject to valid laws, orders, rules and regulations of duly constituted authorities having jurisdiction and are subject to change from time to time by addition, amendment or substitution as provided by law. In the event that any term, provision, covenant or condition of a transportation service agreement is held invalid, unlawful, void, or unenforceable by any court or governing agency of competent jurisdiction, such term, provision, covenant or condition shall be severed from this Tariff or transportation service agreement (as applicable), unless the term, provision, covenant or condition is determined by a court of competent jurisdiction to be non-severable, and Transporter and Shipper shall negotiate in good faith to enter into a new transportation service agreement that preserves the remaining terms and original intent of the parties to the greatest extent possible.
21. CODE COMPLIANCE

It shall be the Shipper’s sole responsibility to purchase, install, operate, and maintain Shipper’s facilities or equipment used for odorizing, handling, manufacturing, storing, transporting or distributing natural gas delivered to or received from Transporter in compliance with all applicable local, State, and Federal codes, rules, and regulations. Transporter shall not be held responsible for any damages resulting from Shipper’s noncompliance even if such is known to Transporter.
22. WEB SITE ACCESS AND COMPLAINTS

22.1 Access to Internet Web Site: Information about Transporter’s system, its capacity, its services and procedures for requesting its services, including a form for requesting service and information about submitting an offer to release capacity, shall be provided on Transporter’s HTML web page, accessible via the Internet’s World Wide Web, at [INSERT].

22.2 System and Service Information: Information on the availability, pricing, or other terms of transportation services will be made available on Transporter’s Internet web site.

22.3 Service Complaints: Shippers are encouraged to resolve any disputes informally with Transporter. A formal complaint concerning any transportation services offered by Transporter shall be directed in writing to, [Name or Title], [INSERT] (phone), [INSERT] (fax), [INSERT] (e-mail). Transporter will respond initially to the complaint within five Business Days, and in writing within thirty (30) days.
23. CONSTRUCTION OF FACILITIES

23.1 Obligation to Construct: Subject to the provisions of Section 5.2, Transporter will have no obligation to construct any facilities but if it elects to construct facilities on a Shipper’s behalf under this Tariff, it will do so on a nondiscriminatory basis, provided, however, Transporter shall not be obligated to construct facilities hereunder that will result in the expansion or diminishment of Transporter’s pipeline system or that will place Transporter at risk for recovering costs of facilities built to satisfy individual Shippers. Unless Transporter agrees otherwise, Transporter will own and operate all facilities constructed.

23.2 Cost of Facilities: Shippers which request service that requires construction of facilities by Transporter shall reimburse Transporter for the costs of preparing facility cost estimates (including any engineering or related study costs) and shall also reimburse Transporter for the costs of such facilities consistent with the provisions of the applicable Rate Schedule.
24. INCORPORATION IN RATE SCHEDULES AND SERVICE AGREEMENTS

These General Terms and Conditions are incorporated in and are a part of Transporter’s Rate Schedules, FT Agreements and IT Agreements. To the extent that any provision of a transportation service agreement conflicts with any provision of the corresponding rate schedule, the provisions in the Rate Schedule shall govern except as to negotiated rates. To the extent that any provision in either a transportation service agreement or a Rate Schedule conflicts with any of these General Terms and Conditions, the General Terms and Conditions shall govern unless expressly waived and except as to negotiated rates.
25. OPERATIONAL PURCHASES AND SALES OF GAS

Transporter may make purchases and sales of gas from time to time incidental to Transporter’s transportation functions, including maintaining adequate line pack. Further, in order to alleviate conditions that threaten the integrity of its system, Transporter may periodically acquire quantities of gas that are in excess of its long term system needs. Transporter shall have the right to make sales of such excess gas from time to time at points pursuant to the terms of the blanket certificate of public convenience and necessity available for use by Transporter pursuant to the Commission’s Regulations at 18 C.F.R. Section 284.284. Such sales shall be made under rates, terms and conditions mutually agreed upon between Transporter and purchasers.
26. SUCCESSORS AND ASSIGNS

Transporter shall have the right, upon notice to Shippers and without approval of Shippers, to pledge, sell, assign, or otherwise transfer or convey its interest in the equipment, contracts, and facilities subject to this Tariff as long as FERC jurisdictional service will continue following the pledge, sale, assignment, or otherwise transferring or conveying Transporter’s interest in the equipment, contracts, and facilities subject to this Tariff. Approval of the Shippers will be required if as a result of pledging, selling, assigning, or otherwise transferring or conveying its interest in the equipment, contracts, and facilities subject to this Tariff, FERC jurisdictional service will terminate. Any company which shall succeed by purchase, merger or consolidation to the properties, substantially as an entirety, of Shipper shall be entitled to the rights and shall be subject to the obligations of its predecessor in title under the transportation service agreement; provided, however, that Transporter reserves the right to evaluate and approve the creditworthiness of the new entity in accordance with the credit evaluation provision of these General Terms and Conditions. No other assignment of a transportation service agreement or any of the rights or obligations thereunder shall be made by Shipper unless there first shall have been obtained the written consent thereto of Transporter. Shipper may pledge or assign its respective right, title and interest in and to and under a transportation service agreement to a trustee or trustees, individual or corporate, as security for bonds or other obligations or securities without the necessity of such trustee or trustees becoming in any respect obligated to perform the obligations of the assignor under a transportation service agreement and, if any such trustee be a corporation, without its being required to qualify to do business in any State in which performance of the transportation service agreement may occur.
27. NEGOTIATED RATES

27.1 Preconditions to Negotiated Rates: Rates to be charged by Transporter for service to any Shipper under Rate Schedule FT or IT may deviate in either form or level or both from the applicable maximum and/or minimum rate level in this Tariff, subject to the following provisions:

(a) Transporter and Shipper have executed a valid transportation service agreement containing therein or in a related agreement a specific mutual understanding that Negotiated Rate(s) will apply to service for that Shipper;

(b) At the time of execution of the transportation service agreement (or any amendment thereto), which first provides for the applicability to Shipper of Negotiated Rates, service was available pursuant to the terms and conditions (not modified by this Section) of Rate Schedule FT;

(c) Transporter will not negotiate terms and conditions of service under this Section; and

(d) No later than the Business Day on which Transporter commences service at such Negotiated Rate(s) (or if the day on which Transporter commences service is not a Business Day, then no later than the next Business Day after Transporter commences service), Transporter will file a tariff record advising the Commission of such Negotiated Rate, stating the name of Shipper, the type of service, the primary receipt and delivery point(s) applicable to the service, the quantity of the gas to be transported, any other charges, and specifying in such transportation service agreement the rate (or the formula for calculating such rate) with sufficient specificity such that the rate in effect from time to time can be readily calculated. Either the tariff record must also incorporate a statement that the transportation service agreement does not deviate from the form of Service Agreement in any material respect, or Transporter must file the contract containing a material deviation.

27.2 Capacity Allocation

(a) To the extent the revenue level pursuant to the Negotiated Rate provided for in Section 27.1 of these General Terms and Conditions, as calculated under Subsection (b) of this Section 27.2, exceeds the comparable revenue at the Recourse Rate, the Shipper bidding or paying such Negotiated Rate(s) shall be treated, for all capacity allocation purposes, as if the rate(s) bid or paid had been equal to the Recourse Rate. Any Shipper, existing or new, paying the Recourse Rate(s) has the same right to capacity as a Shipper willing to pay a higher Negotiated Rate. Where the Negotiated Rate(s) results in revenue which is greater than the Recourse Rate during certain portions of the relevant evaluation period but less than the revenue at the Recourse Rate during other portions of the relevant evaluation period (but the revenue pursuant to the Negotiated Rate(s) equals or exceeds that which would be generated at the Recourse Rate for the entire evaluation period), the value of bids and requests at the Negotiated Rate(s) or rate(s) under a Negotiated Rate Formula shall be evaluated as though the Recourse Rate applied under such bid or request for the entire evaluation period. Where the Negotiated Rate results in revenue which is less than revenue at the Recourse Rate over the relevant evaluation period, the value of the bids or requests at the Negotiated Rate(s) shall be evaluated based on such lower revenue and shall be afforded a correspondingly lower priority than bids or requests at the Recourse Rate.

(b) In evaluating bids or requests for firm service, or in allocating capacity among
competing requests for firm service where one or more bids is at a Negotiated Rate, Transporter will consider, in assigning value to such bid(s) or requests, only reservation or demand charge revenue or other revenue which is guaranteed to be received by Transporter (i.e., a minimum throughput condition or minimum invoice). For capacity evaluation purposes, the net present value of any such bid for firm service shall be capped by the net present value of the maximum applicable reservation rate for such service over the contract term bid.

27.3 Accounting for Costs and Revenues: The allocation of costs to, and the recording of revenues from, service at Negotiated Rate(s) will follow Transporter’s normal practices associated with all of its services under this Tariff. Transporter will maintain separate records of Negotiated Rate transactions for each billing period. These records shall include the quantity transported, the billing determinants, the rates charged and the revenue received associated with such transactions. Transporter will separately identify such transactions in Statements G, I and J (or their equivalent) filed in any general rate proceeding.

27.4 Capacity Release Revenue: Transporter and Shipper may agree hereunder to a Negotiated Rate which includes payment obligations or crediting mechanisms in the event of a capacity release which vary from those set out in Section 11 of these General Terms and Conditions. Nothing in the foregoing sentence, however, shall authorize Transporter or Shipper to violate the Commission’s policy with respect to the negotiation of terms and conditions of service.
28. ACQUIRED CAPACITY

28.1 Transporter may from time to time enter into transportation or storage arrangements with upstream or downstream entities, including other interstate pipelines, intrastate pipelines, or local distribution companies (Acquired Capacity). Transporter may use Acquired Capacity for its system operational needs and to render service to its Shippers in its discretion. Except as provided in Section 27.2, Transporter states that, if it transports gas for others using Acquired Capacity, it will apply to such services the same rates and tariffs as are applicable to on-system Shippers, as such rates and tariffs may change from time to time, and may additionally charge an administrative and overhead charge. For purposes of any use of Acquired Capacity covered by this Section, the “shipper must hold title” requirement is waived.

28.2 Nothing herein shall be read to preclude Transporter from filing with the Commission for different tariff provisions applicable to any service which Transporter provides using Acquired Capacity; provided, however, that the waiver of the “shipper must hold title” requirement hereunder shall not apply in such a circumstance and Transporter will be required to seek a case-specific waiver of that requirement from the Commission.
29. **ACA SURCHARGE**

29.1 **Purpose:** This Section of the General Terms and Conditions is filed pursuant to Section 154.402 and Part 382 (Subpart B) of the Commission’s Regulations under the Natural Gas Act and the Natural Gas Policy Act of 1978. The intent and purpose of this Section is to establish an Annual Charges Adjustment (ACA) provision under which Transporter can recover from its Shippers annual charges assessed to it by the Commission pursuant to Part 382 of the Commission’s Regulations (ACA Cost). All amounts assessed pursuant to Part 382 of the Commission’s Regulations shall be recorded in Account 928. Transporter will not seek to recover annual charges assessed to it pursuant to Part 382 of the Commission’s Regulations in an NGA Section 4 rate case. For the purpose of recovering annual charges assessed to Transporter pursuant to Part 382 of the Commission’s Regulations, this Section establishes an ACA Surcharge as revised annually and posted on the Commission’s website at www.ferc.gov, which is incorporated by reference herein.

29.2 **Applicability:** The ACA Surcharge shall be applicable to all transportation service performed by Transporter.

29.3 **Basis of the ACA Surcharge:** The rates for all transactions specified in Section 28.2 hereof shall be adjusted by a unit charge to recover ACA Cost. Such unit charge shall be that increment, adjusted to Transporter’s pressure base and heating value, if required, which has been posted on the Commission’s website at www.ferc.gov. The ACA Surcharge shall be applied to the usage component of rates.

29.4 **Effective Date of Charge:** The effective date of any change to the ACA Surcharge posted on the Commission’s website at www.ferc.gov shall be October 1. The ACA Surcharge shall be charged to Shippers only if Transporter has paid its annual ACA assessment.
Compliance with 18 CFR 284.12

Transporter has adopted the Business Practices and Electronic Communications Standards, NAESB WGQ Version 3.0, 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 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.

Standards not Incorporated by Reference and their Location in Tariff:

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Standards for which Waiver or Extension of Time to Comply have been granted:

<table>
<thead>
<tr>
<th>NAESB Standard</th>
<th>Waiver or Extension of Time</th>
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<tbody>
<tr>
<td></td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>
31. **REVENUE SHARING MECHANISM**

Revenues collected by Transporter under Rate Schedule IT during any calendar year shall be subject to the following sharing requirements.

31.1 Transporter shall retain all Rate Schedule IT capacity revenues collected attributable to:

(a) that portion of the applicable Rate Schedule IT rates representing variable costs; and

(b) any applicable surcharges.

31.2 In the event Transporter receives interruptible transportation revenues in excess of the cost allocation described in Section 30.1 above in any one (1) Month, Transporter shall credit such excess revenues to those Shippers under Rate Scheduled FT and IT that are paying the maximum recourse rate; provided, however, no interruptible shipper shall receive a credit based solely on revenues from its maximum rate payments. Each such maximum rate FT or IT Shipper shall be allocated a proportionate share of the interruptible transportation revenue credit based upon the relationship of the total maximum rate payments received from each qualifying Shipper and the total of all such maximum rate revenues received by Transporter for the Month in which the interruptible transportation revenues are collected. Negotiated Rate Shippers shall not be eligible for credits unless expressly provided in their negotiated rate agreements. In the event there are no qualifying shippers during a calendar year, Transporter shall retain all revenues.

31.3 The revenues to be credited, if any, shall be credited to those qualifying Shippers not later than April 15th of each year following the calendar year in which the revenues were collected, or if a credit cannot be applied, a cash refund shall be distributed.
Section 9, Form of Service Agreement: FT and IT Agreement, 1.0.0

Form of Service Agreement

(FOR RATE SCHEDULES FT, IT)

Contract No._____________

RATE SCHEDULE [FT / IT]
TRANSPORTATION SERVICE AGREEMENT

Dated: ________________

This Rate Schedule [FT / IT] Transportation Service Agreement (this “Agreement”) is made and entered as of __________, 20_____, between DTE Midstream Appalachia, LLC, a Michigan limited liability company (“Transporter”) and _________________, a _____________ (“Shipper”).

NOW, THEREFORE, in consideration of the mutual covenants, rights and obligations set forth herein and other good and valuable consideration, the receipt, adequacy and sufficiency of which the parties hereto acknowledge, the parties hereto, intending to be legally bound, hereby agree as follows:

1. Rate Schedule [FT / IT]: Subject to the terms of this Agreement, the provisions of Rate Schedule [FT / IT] and the applicable General Terms and Conditions of Transporter’s FERC Gas Tariff (the “Tariff” as the same may be amended or superseded in accordance with the rules and regulations of the Federal Energy Regulatory Commission (the “FERC”)), Transporter agrees to accept and receive daily on a [firm / interruptible] basis, at the Receipt Point(s) (set forth on Exhibit A attached hereto) from Shipper or for Shipper’s account such quantity of natural gas as Shipper makes available up to the [Maximum Daily Quantity (“MDQ”)] [or][ Maximum Interruptible Quantity (“MIQ”)] set forth on Exhibit A, attached hereto and incorporated herein by reference and made a part hereof for all purposes, and to redeliver to or for the account of Shipper at the Delivery Point(s) (set forth on Exhibit A) an equivalent quantity of natural gas subject to the provisions of the Tariff (including retainage provisions). Exhibit A may be amended from time to time by agreement between Shipper and Transporter, or in accordance with the rules, regulations, or other requirements mandated or approved by the FERC.

2. Rates: Transporter will provide the [firm / interruptible] transportation service as required under this Agreement and Shipper shall pay the following rates, and all other generally applicable surcharges and charges (including the ACA surcharge) imposed by FERC:

Reservation Fee per Day (firm only) (check one), plus:

__________ Maximum Tariff Rate; or

__________ Negotiated Rate (set forth on Exhibit A)

Usage Charge per Dth delivered (firm and interruptible) (check one), plus:

__________ Maximum Tariff Rate; or

__________ Negotiated Rate (set forth on Exhibit A)

FL&U Charge per Dth delivered (firm and interruptible) (check one):

__________ Maximum Tariff Rate; or

__________ Negotiated Rate (set forth on Exhibit A)

Transporter shall have the right to propose, file and make effective with the FERC or any other
body having jurisdiction, revisions to any applicable rate schedule, or to propose, file, and make effective superseding rate schedules for the purpose of changing the type of service (firm or interruptible), rate, charges, and other provisions thereof effective as to Shipper; provided, however, that the term, quantities, and Receipt Point(s) and Delivery Point(s) shall not be subject to unilateral change under this paragraph. Said rate schedule or superseding rate schedule and any revisions thereof which shall be filed and made effective shall apply to and become a part of this Agreement. The filing of such changes and revisions to any applicable rate schedule shall be without prejudice to any right, if applicable, of Shipper to contest or oppose such filing.

3. Term: Service under this Agreement shall commence as of ___________________, [or when applicable, “This Agreement shall be effective as of the later of ___________________,”] or the date that all of Transporter's __________________ (insert project name) facilities necessary to provide firm transportation service to Shipper have been fully constructed, commissioned, and tested, and are ready for service as determined by Transporter in its reasonable discretion”] and shall continue in full force and effect until __________________ [or, when applicable, “shall remain in full force and effect for a term of _______________”] [or, when applicable to Rate Schedule IT, “Service under this Agreement shall commence as of ___________________, and shall continue from month to month thereafter until terminated by either Transporter or Shipper upon thirty days prior notice”]. Pre-granted abandonment shall apply upon termination of this Agreement, subject to any right of first refusal Shipper may have under the FERC’s regulations and Transporter’s Tariff. [Insert any other applicable provisions related to term of service]

4. This Agreement Supersedes And Cancels The Following Agreement(s) (If Applicable):

______________________________________________

5. Capacity Rights For This Agreement Were Released From (If Applicable):

______________________________________________

6. Obligation Of Shipper To Pay The Reservation Fee Shall Commence On The Earlier Of:

(a) ________________________________, or
(b) the date capacity to render the service hereunder is available on Transporter’s system.

7. Shipper shall be responsible for its pro rata share of any costs or charges incurred and entitled to its pro rata share of any revenues received by Transporter under its Operational Balancing Agreements with upstream or downstream pipelines as a result of any difference between the quantities of Gas received by Transporter on behalf of Shipper at the Receipt Point(s) and the quantities of Gas delivered by Transporter on behalf of Shipper at the Delivery Point(s).

8. Transporter’s Address: Shipper’s Address:

DTE Midstream Appalachia, LLC
One Energy Plaza, 2130 WCB
Detroit, Michigan 48226
Phone: [INSERT] Fax: [INSERT]

9. Rate Schedule FT and the applicable provisions of the General Terms and Conditions of Transporter’s FERC Gas Tariff, as approved by the FERC (or its successor) and as either may be revised from time to time, control this Agreement and are incorporated herein. The attached Exhibit A is part of
this Agreement. This Agreement is subject to any and all applicable rulings by the FERC (or its successor) and any other governmental authorities having jurisdiction.

10. THIS AGREEMENT WILL BE INTERPRETED, PERFORMED AND ENFORCED IN ACCORDANCE WITH THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA. EACH PARTY HEREBY IRREVOCABLY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY SUIT, ACTION, CLAIM OR PROCEEDING RELATING TO THE CONTRACT.

11. Transporter represents and warrants that: (i) it is duly organized and validly existing under the laws of Michigan and has all requisite legal power and authority to execute this Agreement and carry out the terms, conditions, and provisions thereof; (ii) this Agreement constitutes the valid, legal, and binding obligation of Transporter, enforceable in accordance with the terms hereof; and (iii) there are no actions, suits, or proceedings pending or, to Transporter’s knowledge, threatened against or affecting Transporter before any court of authorities that might materially adversely affect the ability of Transporter to meet and carry out its obligations under this Agreement. Shipper represents and warrants that: (i) it is duly organized and validly existing under the laws of [ ] and has all requisite legal power and authority to execute this Agreement and carry out the terms, conditions, and provisions thereof; (ii) this Agreement constitutes the valid, legal, and binding obligation of Shipper, enforceable in accordance with the terms hereof; and (iii) there are no actions, suits, or proceedings pending or, to Shipper’s knowledge, threatened against or affecting Shipper before any court of authorities that might materially adversely affect the ability of Shipper to meet and carry out its obligations under this Agreement.

12. Service under this Agreement shall not commence until Transporter has received all necessary authorizations from the FERC (or its successor) and any other governmental authorities having jurisdiction in the form satisfactory to Transporter in its sole discretion and all facilities are in place and ready to render the service to be provided hereunder.

13. This Agreement states the entire agreement between the parties and no waiver, representation or agreement shall affect this Agreement unless it is in writing. Shipper shall provide the actual end user purchaser name(s) to Transporter if Transporter must provide them to the FERC (or its successor).

IN WITNESS WHEREOF, this Agreement is signed as of the date first written above and agreed to by the parties.

TRANSPORTER:

DTE Midstream Appalachia, LLC
By:
Title:

SHIPPER:

__________________________________
By:
Title:
EXHIBIT A

TO (FT / IT) TRANSPORTATION SERVICE AGREEMENT

DATED _____________

Shipper: _______________

Contract No.: _______________

Primary Receipt Point: [Texas Eastern Transmission interconnect meter] [MAOP of ________]

Primary Receipt Point MDQ (firm)/MIQ (interruptible): _____________ Dth/Day

Primary Receipt Point MHQ (firm only): _____________ Dth/Hour

Receipt Pressure, Assumed Atmospheric Pressure: Natural gas to be delivered to Transporter at the Receipt Point shall be at a delivery pressure sufficient to enter Transporter’s facilities at the pressure maintained from time to time and to enable Transporter to deliver Gas to Shipper at the delivery point(s) at the minimum pressure requirements, if any, specified in the transportation service agreement, but Shipper shall not deliver gas at a pressure in excess of the Maximum Allowable Operating Pressure (MAOP) stated for the Receipt Point. The measuring party shall use or cause to be used an assumed atmospheric pressure corresponding to the elevation at such Receipt Point.

Primary Delivery Point: Interconnect with Birdsboro Power, LLC plant line in Birdsboro, Pennsylvania

Primary Delivery Point MDQ (firm)/MIQ (interruptible): _____________ Dth/Day (subject to the provisions of the Tariff, including retainage provisions).

Primary Delivery Point MHQ (firm only): _____________ Dth/Hour

Delivery Pressure: Natural gas to be delivered by Transporter to Shipper, or for Shipper’s account, at the Delivery Point shall be at the pressures available in Transporter’s pipeline facilities from time to time. Minimum pressure required for deliveries at Primary Delivery Point, provided that the pressure of gas delivered to Transporter at the Primary Receipt Point is sufficient to meet such delivery pressure: ______

Rates (check one): _____________ (rates described in Transportation Agreement)

___________ (negotiated rate described as follows:

__________________________________________)

Supersedes Prior Version of Exhibit A, Dated: _______________
TRANSPORTER:

DTE Midstream Appalachia, LLC
By:
Title:

SHIPPER:

__________________________________
By:
Title:
Landowner Notification Materials
Dear Landowner:

DTE Midstream Appalachia, LLC (“DTE” or “Applicant”) is a subsidiary of DTE Energy Company (“DTE Energy”), a publicly-traded, Detroit-based diversified energy company involved in the development and management of energy-related businesses and services nationwide (NYSE: DTE).

On May 1, 2017, DTE submitted an application with the Federal Energy Regulatory Commission (“Commission”) in Docket No. CP17-____-000 requesting approval to construct, own, and operate a new, approximately 14-mile, 12-inch diameter natural gas pipeline and related facilities in Berks County, Pennsylvania (the “Birdsboro Pipeline Project” or “Project”). The Birdsboro Pipeline Project will extend from a single receipt at an interconnection with the Texas Eastern Transmission Company’s (“Texas Eastern”) pipeline in Rockland Township, Berks County, Pennsylvania, to a single delivery point at a new gas-fired generating facility under construction in Birdsboro, Pennsylvania (the “Birdsboro Facility”).

DTE has requested that the Commission issue an order approving the project by December 15, 2017. Construction of the Birdsboro Pipeline Project is proposed to begin by January 15, 2018 in order to achieve the Project’s proposed in-service date of June 30, 2018. DTE has already performed extensive studies and analyses of the proposed project as part of a pre-filing proceeding at the Commission that commenced in October of 2016, and has consulted with local and state agencies responsible for the necessary permits and authorizations for the project. DTE held several open houses, as well as a landowner informational session in your area on January 17, 2017. Additionally, FERC held a public scoping meeting on February 2, 2017.

On May __, 2017, the Commission issued a formal “Notice of Application” regarding this project, in Docket No. CP17-____-000. As stated in that Notice, any interested person can submit comments or ask to intervene and become a party to the proceeding, by filing a written request in compliance with the Commission’s regulations by no later than _____. 2017.

The proposed Birdsboro Pipeline Project will either cross or abut (pass nearby to) your property and you will have the opportunity to provide input to and take part in the Commission’s review process. Any meetings and comments will help the permitting agencies and will assist the Commission in preparing the Environmental Assessment required by law for this project. The Commission will prepare and publish a Draft Environmental Assessment for public review and comment; comments can be submitted in writing at that time. The Commission will review and address public comments in either a Final Environmental Assessment or in an order that approves or denies the application. The comments, and any meetings, will assist the agencies in determining whether to approve or deny the project. Notices of any public meetings and comment periods will be made to you by mail and/or posting in a newspaper of general circulation.

DTE is not seeking your permission at this time to construct any facilities on your property. If the project is currently designed to cross your property, we have contacted you
personally and have negotiated or are negotiating a fair compensation for the right to construct, own, and operate an underground pipeline.

If you are interested in reviewing DTE’s application filed with the Commission, a copy of the complete public version of the application will be made available for public viewing at the following locations:

- Boone Area Central Library, 129 N Mill St, Birdsboro, PA 19508
- Oley Township Office, 1 Rose Virginia Road, Oley, PA 19547

The application is also available online at FERC’s eLibrary website at http://www.ferc.gov/docs-filing/eLibrary.asp. As noted above, the FERC docket number assigned to this proceeding is CP17-____-000. A hard copy of the filing may also be requested by contacting the undersigned.

This letter provides a general description of the Birdsboro Pipeline Project proposal, contact information for DTE and for FERC. In addition, the following information is included in this mailing to let you know about the review process, including your rights as an affected landowner:

- A detailed map showing the site of the proposed facility
- A summary of your rights as a landowner
- A copy of the Commission pamphlet for landowners, entitled “An Interstate Natural Gas Facility on My Land? What Do I Need to Know?” This pamphlet can also be found on the Commission's Internet website at http://www.ferc.gov/resources/guides/gas/gas.pdf
- FERC’s Notice of the Application providing the date by which timely motions to intervene are due

If you have any questions about any of this material, you can also contact the Commission's Office of External Affairs at 1-866-208-3372 (toll free). Questions regarding the Project can be addressed to the undersigned, Kenneth Magyar, at DTE Midstream Appalachia, LLC at 1-724-416-7263.

Sincerely,

Kenneth Magyar
Vice President, Project Development & Business Development
DTE Midstream Appalachia, LLC
333 Technology Dr., Suite 255
Canonsburg, PA 15317
LANDOWNER’S RIGHTS

The Federal Energy Regulatory Commission (“FERC”) requires DTE to provide a brief summary of your rights at FERC and in the proceedings under the eminent domain rules of your state. The following summaries should not be construed as legal advice, but only as brief descriptions for this limited purpose. If you have questions about your rights, you should discuss them with an attorney of your choice.

RIGHTS AT THE FEDERAL ENERGY REGULATORY COMMISSION

The enclosed pamphlet, “An Interstate Natural Gas Facility on My Land? What Do I Need to Know?” explains FERC’s approval process and your rights as an affected landowner. A landowner may become involved in the FERC review process in several ways. Any landowner who may be affected by a natural gas company’s project may be able to view the full application at area libraries or may request his or her own copy of the Application by contacting DTE directly. A landowner may submit written comments to FERC and/or intervene in DTE’s docket at FERC while FERC is reviewing DTE’s Application. FERC addresses landowner comments in the environmental review documents, if any, or in the final order. In addition, FERC places commenters on a mailing list to receive any environmental documents related to the application. A landowner may intervene in the proceedings through a formal filing process. An “intervenor” receives copies of any documents pertaining to the case and has the opportunity to file briefs, appear at hearings, and appeal final FERC rulings to the courts. An intervenor must serve copies of anything he or she files on all other parties. If you have any questions about your rights at FERC, please refer to the enclosed pamphlet or contact FERC’s Office of External Affairs at (202) 208-1088.

EMINENT DOMAIN GENERALLY

A natural gas company’s right to use eminent domain to acquire a right-of-way or easement on a landowner’s property for facilities to transport gas is a statutory right granted by Congress in Section 7(h) of the Natural Gas Act, and also arises under various state statutes. Congress has conferred the power of eminent domain on a natural gas company in cases where FERC finds that the company’s proposal is required by the public convenience and necessity. Then, if the natural gas company cannot reach a negotiated agreement with the property owner, the company may exercise the right of eminent domain. This exercise involves condemnation proceedings where a court decides the appropriate compensation to be paid by the company to the landowner for the right-of-way or easement. It is DTE’s policy to negotiate with landowners in good faith, in a fair and honest manner, to reach a mutually agreeable resolution of issues necessary to the acquisition of a right-of-way or easement. Where a mutually agreeable resolution is reached, the need for an eminent domain proceeding is avoided.
EMINENT DOMAIN LAW IN PENNSYLVANIA

Title 26 of Pennsylvania's Statutes, also known as the Eminent Domain Code, governs eminent domain proceedings in Pennsylvania courts. A landowner is entitled to just compensation for real property acquired under these procedures. The company seeking to acquire a right-of-way or an easement by condemnation must give a written notice of the condemnation proceeding to the landowner including certain required information about the proceeding, an identification of the property, the purpose of the taking, and a statement of how just compensation has been made or secured. The landowner may file a preliminary objection to the declaration of taking within thirty days of service of the notice.

If just compensation, as estimated by the company, has not been paid to the landowner within sixty days from the filing of the declaration of taking, the landowner may grant the requested right-of-way or easement, following which the company must pay the landowner an amount representing the company's estimate of just compensation. By accepting such payment, the landowner does not waive its right to additional compensation if just compensation, as determined in a proceeding for determining damages, exceeds the company's estimate.

Either the landowner or the company can file a petition requesting the appointment of viewers to ascertain just compensation. If aggrieved by the decision of the viewers, either party may appeal to the court of common pleas. In the court proceeding, either party may assert the right to have the property viewed by the judge, or in the case of a jury trial, the judge and the jury.
Proposed Birdsboro Power Rate Schedule FT Service Agreement

PUBLIC VERSION
CONFIDENTIAL INFORMATION HAS BEEN REMOVED
PURSUANT TO 18 C.F.R § 388.112(b)
Form of Protective Agreement
PROTECTIVE AGREEMENT

This Protective Agreement (“Protective Agreement”), is made and entered into as of _________, 2017 (“Effective Date”), by and between DTE Midstream Appalachia, LLC (“Applicant”) and [Counterparty], a [jurisdiction and organization type] (“Participant,” and together with Applicant, the “Parties”).

WHEREAS, a certificate application regarding the Birdsboro Pipeline Project (“Project”) is currently pending before the Federal Energy Regulatory Commission (“Commission”) in Docket No. CP17-____-000 (“Certificate Proceeding”);

WHEREAS, pursuant to Section 388.112(b) of the Commission’s regulations, 18 C.F.R. § 388.112(b) (2017), this Protective Agreement will apply to requests for a copy of the complete, non-public version of any document filed by Applicant as privileged or as Critical Energy Infrastructure Information (CEII) in the Certificate Proceeding; and

WHEREAS, Participant is submitting this Protective Agreement as part of its request pursuant to 18 C.F.R. § 388.112(b)(iii) for a complete, non-public version of [name of document(s)] included in the Commission's eLibrary under Accession Nos. [ ____] (“Protected Materials”) subject to the terms of this Protective Agreement;

NOW, THEREFORE, Applicant and Participant agree as follows:

1. This Protective Agreement shall govern the use of all Protected Materials produced by, or on behalf of, Applicant to Participant hereunder. Notwithstanding any order terminating the Certificate Proceeding, this Protective Agreement shall remain in effect until specifically modified or terminated by (i) written agreement of the Parties, (ii) the Commission or (iii) any applicable Presiding Administrative Law Judge (“Presiding Judge”) (which includes the Chief Administrative Law Judge).

2. This Protective Agreement applies to the Protected Materials, as defined in the recitals to this Protective Agreement. Notwithstanding anything herein to the contrary, Applicant’s delivery of Protected Materials to Participant pursuant to this Protective Agreement shall not affect the Protected Materials’ protected status under the Commission’s regulations and Freedom of Information Act, 5 U.S.C. 552 (“FOIA”).

3. Definitions -- For purposes of this Protective Agreement:

   (a) The term “Notes of Protected Materials” means memoranda, handwritten notes, or any other form of information (including electronic form) which copies or discloses materials described in the Protected Materials. Except as specifically provided in this Protective Agreement, Notes of Protected Materials are subject to the same terms and restrictions as the Protected Materials under this Protective Agreement.

   (b) The term “Non-Disclosure Certificate” shall mean the certificate annexed to this Protective Agreement by which the Reviewing Representative(s) of the Participant who have been granted access to Protected Materials shall certify their understanding that such access to Protected Materials is provided pursuant to the terms and restrictions of this Protective Agreement, and that such Reviewing Representative has read the Protective Agreement and agrees to be bound by it.

   (c) The term “Reviewing Representative” shall mean a person who has signed a Non-Disclosure Certificate and who is: (i) an attorney who has made an appearance in this Certificate Proceeding for Participant; (ii) attorneys, paralegals, and other employees associated for purposes of this Certificate Proceeding with an attorney described in Paragraph 3(c)(i); (iii) an expert or an employee of an expert retained by Participant for the purpose of advising, preparing for or testifying in this Certificate Proceeding; or (iv) employees or other representatives of Participant appearing in this Certificate Proceeding with significant responsibility for this docket.
4. Protected Materials shall be made available under the terms of this Protective Agreement only to Participant's Reviewing Representatives; provided that if the Protective Materials include rates, rate-related provisions and/or credit support provisions, Applicant may redact the rates, rate-related provisions and credit support provisions from the version of the Protected Materials provided to Participant's Reviewing Representatives. In the event that Applicant redacts any such information, if requested by Participant the Parties shall meet to discuss the terms and conditions under which one or more of Participant's Reviewing Representatives may be provided such redacted information. If no agreement is reached, Participant may submit such dispute to the Commission or the Presiding Judge, if any, for resolution.

5. Protected Materials shall remain available to Participant until the later of the date that an order terminating this Certificate Proceeding becomes no longer subject to judicial review, or the date that any other Commission proceeding relating to the Protected Materials is concluded and no longer subject to judicial review. If requested to do so in writing after that date, Participant shall, within fifteen (15) days of such request, return the Protected Materials (excluding Notes of Protected Materials) to Applicant, or shall destroy the materials, except that copies of filings, official transcripts and exhibits in this proceeding that contain Protected Materials, and Notes of Protected Materials may be retained, if they are maintained in accordance with Paragraph 6, below. Within such time period, Participant, if requested to do so, shall also submit to Applicant an affidavit stating that, to the best of its knowledge, all Protected Materials and all Notes of Protected Materials have been returned or have been destroyed or will be maintained in accordance with Paragraph 6. To the extent Protected Materials are not returned or destroyed, they shall remain subject to the Protective Agreement.

6. All Protected Materials shall be maintained by Participant in a secure place. Access to those materials shall be limited to those Reviewing Representatives specifically authorized pursuant to Paragraphs 8-9.

7. Protected Materials shall be treated as confidential by Participant and by the Reviewing Representative in accordance with the Non-Disclosure Certificate executed pursuant to Paragraph 9. Protected Materials shall not be used by Participant or a Reviewing Party except as necessary for the conduct of the Certificate Proceeding, nor shall they be disclosed in any manner to any person except a Reviewing Representative of Participant who is engaged in the conduct of the Certificate Proceeding and who needs to know the information in order to carry out that person's responsibilities in the Certificate Proceeding. Reviewing Representatives may make copies of Protected Materials, but such copies become Protected Materials. Reviewing Representatives may make notes of Protected Materials, which shall be treated as Notes of Protected Materials if they disclose the contents of Protected Materials.

8. (a) A Reviewing Representative may not use information contained in any Protected Materials obtained through this proceeding to give Participant, any customer or potential customer of Applicant or any competitor of Applicant a commercial advantage or for any other purpose other than the prosecution or defense of the proceedings conducted under this Certificate Proceeding.

(b) In the event that Participant wishes to designate as a Reviewing Representative a person not described in Paragraph 3(c) above, Participant shall seek agreement from Applicant. If an agreement is reached, that person shall be a Reviewing Representative pursuant to Paragraph 3(c) above with respect to those materials. If no agreement is reached, Participant may submit the disputed designation to the Commission or the Presiding Judge, if any, for resolution.

9. (a) A Reviewing Representative shall not be permitted to inspect, participate in discussions regarding, or otherwise be permitted access to Protected Materials pursuant to this Protective Agreement unless that Reviewing Representative has first executed a Non-Disclosure Certificate; provided, that if an attorney qualified as a Reviewing Representative has executed such a certificate, the paralegals,
secretarial and clerical personnel employed by the same entity as the attorney and under the attorney's instruction, supervision or control need not do so. A copy of each Non-Disclosure Certificate shall be provided to counsel for Applicant prior to disclosure of any Protected Material to that Reviewing Representative.

(b) Attorneys qualified as Reviewing Representatives are responsible for ensuring that persons under their instruction, supervision or control comply with this Protective Agreement.

10. Subject to Paragraph 4 above any Reviewing Representative may disclose Protected Materials to any other Reviewing Representative of Participant as long as the disclosing Reviewing Representative and the receiving Reviewing Representative both have executed a Non-Disclosure Certificate. In the event that any Reviewing Representative to whom the Protected Materials are disclosed ceases to be engaged in this Certificate Proceeding, or is employed or retained for a position whose occupant is not qualified to be a Reviewing Representative under Paragraph 3(c), access to Protected Materials by that person shall be terminated. Even if no longer engaged in this Certificate Proceeding, every person who has executed a Non-Disclosure Certificate shall continue to be bound by the provisions of this Protective Agreement and the certification.

11. Subject to Paragraph 17, the Commission or Presiding Judge, if any, shall resolve any disputes arising under this Protective Agreement. Prior to presenting any dispute under this Protective Agreement to the Commission or Presiding Judge, the Parties shall use their best efforts to resolve it.

12. All copies of all documents reflecting Protected Materials, including the portion of the hearing testimony, exhibits, transcripts, briefs and other documents which refer to Protected Materials, shall be filed and served in sealed envelopes or other appropriate containers endorsed to the effect that they are sealed pursuant to this Protective Agreement. Such documents shall be marked “PROTECTED MATERIALS” and shall be filed under seal and served under seal upon the Commission, the Presiding Judge, if any, and the other Party. Any such documents containing Critical Energy Infrastructure Information shall be additionally marked “Contains Critical Energy Infrastructure Information - Do Not Release.” For anything filed under seal, redacted versions or, where an entire document is protected, a letter indicating such, will also be filed with the Commission and served on the other Party and the Presiding Judge, if any. Counsel shall take all reasonable precautions necessary to assure that Protected Materials are not distributed to unauthorized persons.

13. If Participant desires to include, utilize or refer to any Protected Materials or information derived therefrom in any submission during this proceeding in such a manner that might require disclosure of such material to other participants in the Certificate Proceeding, Participant shall first notify counsel for Applicant and the Commission or Presiding Judge, if any, of such desire, identifying with particularity each of the Protected Materials. Thereafter, use of such Protected Materials will be governed by procedures determined by the Commission or Presiding Judge, if any.

14. Nothing in this Protective Agreement shall be construed as precluding Applicant from objecting to the use of Protected Materials on any legal grounds.

15. Nothing in this Protective Agreement shall preclude Participant from requesting the Commission, the Presiding Judge, if any, or any other body having appropriate authority, to find that this Protective Agreement should not apply to all or any materials previously designated as Protected Materials pursuant to this Protective Agreement.

16. All Protected Materials filed with the Commission, the Presiding Judge, if any, or any other judicial or administrative body, in support of, or as a part of, a motion, other pleading, brief, or other document, shall be filed and served in sealed envelopes or other appropriate containers bearing prominent markings indicating that the contents include Protected Materials subject to this Protective Agreement.
17. If the Commission or Presiding Judge, if any, finds at any time in the course of this proceeding that all or part of the Protected Materials need not be protected, those materials shall, nevertheless, be subject to the protection afforded by this Protective Agreement for three (3) business days from the date of issuance of the Commission or Presiding Judge's determination, and if Applicant files an interlocutory appeal or, if applicable, requests that the issue be certified to the Commission, for an additional seven (7) business days. Applicant has not waived its rights to seek additional administrative or judicial remedies after any decision respecting Protected Materials or Reviewing Representatives. The provisions of 18 C.F.R. §§ 388.112 and 388.113 shall apply to any requests under the FOIA for Protected Materials in the files of the Commission.

18. Nothing in this Protective Agreement shall be deemed to preclude either Party from independently seeking through discovery in any other administrative or judicial proceeding information or materials produced in this proceeding under this Protective Agreement.

19. Applicant does not waive its right to pursue any other legal or equitable remedies that may be available in the event of actual or anticipated disclosure of Protected Materials.

20. Participant shall not disclose the contents of Protected Materials or any other form of information that copies or discloses Protected Materials to anyone other than in accordance with this Protective Agreement and shall only use such contents and information in connection with this Certificate Proceeding. Any violation of this Protective Agreement and of any Non-Disclosure Certificate executed hereunder shall constitute a breach of the Protective Agreement.

21. If Participant is required by process of law to disclose the contents of Protected Materials, Participant agrees to timely notify Applicant of any such request prior to making any disclosure, and to take all reasonable steps to ensure that such information or materials will be accorded confidential treatment, in accordance with this Protective Agreement, FERC's procedures set forth at 18 C.F.R. §§ 388.112 and 388.113, as well as in FERC's policies set forth by various orders of FERC. Further, Participant agrees to limit disclosures only to information that is necessary to be responsive to any such request.

IN WITNESS WHEREOF, the Parties hereto have caused this Protective Agreement to be duly executed in several counterparts by their proper officers duly authorized as of the Effective Date.

DTE Midstream Appalachia, LLC

By ____________________________________
Title __________________________________

[COUNTERPARTY]

By ____________________________________
Title __________________________________
NON-DISCLOSURE CERTIFICATE

I hereby certify my understanding that access to Protected Materials is provided to me pursuant to the terms and restrictions of the Protective Agreement between Applicant and [Counterparty] dated ____, 2017, that I have been given a copy of and have read the Protective Agreement, and that I agree to be bound by it. I understand that the contents of the Protected Materials, any notes or other memoranda, or any other form of information that copies or discloses Protected Materials shall not be disclosed to anyone other than in accordance with that Protective Agreement. I acknowledge that a violation of this certificate constitutes a breach of the Protective Agreement.

By: __________________________
Printed Name: _________________
Title: ________________________
Representing: _________________
Date: _________________________