

FEDERAL ENERGY REGULATORY COMMISSION

Office of the Secretary



Implementation Guide for Electronic Filing of Parts 35, 154, 284, 300, and 341 Tariff Filings

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Implementation Guide for Electronic Tariff Filing

Executive Summary

This implementation guide is for use by entities required to submit tariffs, rate schedules, and service agreements together with supporting documentation to the Federal Energy Regulatory Commission (FERC) pursuant to Title 18 Code of Federal Regulations Parts 35, 154, 284, 300, 341 or other Parts as required by FERC. Filings which historically were submitted in hard copy should be submitted electronically according to the guidelines contained herein. To accomplish this, the components of the previous filings will need to be separated into various pieces of identifying information as defined by the data elements contained herein. These data elements and their accompanying data, are hierarchically organized by the XML schema and when compiled constitute an XML filing package for an electronic Tariff Filing. The XML filing package is then uploaded through a web portal. The following is a guide describing the various processes/mechanisms, data tables, code values/reference tables, and technical specifications used in the submission of such Tariff Filings.

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GENERAL INFORMATION

I. Purpose:

Companies and entities are required to submit tariffs, rate schedules, and service agreements together with supporting documentation to the Federal Energy Regulatory Commission (FERC) pursuant to Title 18 Code of Federal Regulations Parts 35, 154, 284, 300, 341 or other Parts as required by FERC. Filings which historically were submitted in hard copy should be submitted electronically according to the guidelines contained herein.

II. Who Must File:

The companies or entities covered are those that submit tariffs, rates, or contracts with the Commission pursuant to the Natural Gas Act (NGA), the Natural Gas Policy Act of 1978 (NGPA), the Federal Power Act (FPA), the Interstate Commerce Act (ICA), the Flood Control Act, the Bonneville Power Act, the Northwest Power Planning Act, and other relevant statutes. Included among the companies or entities covered by the requirements are: Regional Transmission Organizations (RTOs) and independent system operators (ISOs); power authorities and federal power marketing administrations which file rates, contracts, or tariffs at the Commission; intrastate natural gas pipelines that file rates and operating conditions pursuant to the NGPA; interstate natural gas pipelines subject to the NGA which serve only an industrial customer; and companies or entities that may make voluntary tariff filings, such as reciprocity filings pursuant to Order No. 888.

III. What To Submit:

Under the standards and guidelines described below, tariff filings and related supporting material made by covered filing entities must be made in conformance with the XML schema. The schema essentially is a method by which the filing entities can communicate information to the Commission. The schema proscribes the metadata elements and the textual information that must be included in the filing package. The data elements included in XML filing package are required to properly identify the nature of the tariff filing, organize the tariff database, and maintain the proper relationship of tariff provisions in relation to other provisions. The XML filing package must be zipped before filing with the Commission. The XML schema will be maintained on the Commission website along with the required codes, descriptions, and other requirements. The Secretary of the Commission, under Order No. 703, has delegated authority to make modifications to them if necessary.¹

Documents submitted as part of the XML filing package must conform with the Secretary of the Commission's instructions pertaining to allowable electronic file and document formats, the filing of complex documents, whether paper copies are required, and procedural guidelines for submissions via the Internet.²

¹ 18 CFR 375.302(z) (2010).

² *Id.*

Special permission is required if a filing entity wants to convert an electronic tariff on file with the Commission from a sheet or section based approach to an entire document approach.

IV. When To Submit:

The tariff filing should be filed with the Commission at the time the filing entity proposes a change in service or rate, or as required by Commission regulation or order.

V. Where To Submit:

Submit this report to:

Office of the Secretary
Federal Energy Regulatory Commission
Washington, DC 20426

Interested persons may obtain information on the reporting requirements by contacting the following: Federal Energy Regulatory Commission, 888 First Street, N.E., Washington, D.C. 20426, [Attention: Information Clearance Officer, Office of the Executive Director, email: dataclearance@ferc.gov, phone: (202) 502-8663, fax: (202) 273-0873] Please send comments concerning the collections of information and the associated burden estimate(s), to the contact listed above and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503 [Attention: Desk Officer for the Federal Energy Regulatory Commission, phone (202) 395-7345, fax: (202) 395-7285]. Due to security concerns, comments should be sent electronically to the following e-mail address: oira_submission@omb.eop.gov. Please reference the OMB control numbers identified above in your submission.

You shall not be penalized for failure to respond to this collection of information unless the collection of information displays a valid OMB control number.

Data Element Overview:

The data elements are the individual pieces of information or data that make up the Tariff Filing. Each will have a defined format, may be required, conditional or optional and may have restricted values. A data element may contain text or an electronic file (e.g., a .PDF file) as more fully explained in this implementation guide. An explanation of the individual data elements is provided in the data table portion of this implementation guide. In such tables, for each data element, the following information is provided:

- Business Name
- Element Name (this is the corresponding technical (metadata) name used in the XML schema)
- Definition of Data Element
- Field Format (length)
- Valid Values
- Usage / Responsibility and Conditions

Details of Individual Data Elements:

The following are the individual data elements provided in the same order as they appear in the Data Tables:

Note: For additional information on each data element, e.g., formatting requirements see the definitions and other requirements as set forth in the data tables.

Filing Data Table Data Elements:

Schema Version:

This is the version of the XML schema used to create the specific Tariff Filing. The Schema Version and the actual schema will be published on the FERC website located at www.ferc.gov. Any changes to the schema will be made through a FERC notice or order.

Company Identifier:

A FERC-designated company identifier code used to define an entity registered with FERC to make Tariff Filings. To acquire a company identifier code, a company should apply at FERC's Online Company Registration application, located at www.ferc.gov.

Tariff Identifier:

A unique identifier for a Tariff Submitter's database as it pertains to the database being modified by a Tariff Filing. A Tariff Submitter may have more than one active database. A database may contain one or more tariffs, rate schedules, or service agreements. A Tariff Identifier is supplied by the Tariff Submitter. Once a Tariff Identifier in a Tariff

Filing has been accepted for filing by the Office of the Secretary (OSEC), it cannot be changed. A Tariff Identifier cannot be reused if cancelled.

Tariff Title:

The name of the database assigned by the Tariff Submitter. The name of the database may not be changed. It is suggested that the Tariff Submitter's name not be included in the Tariff Title, as the Tariff Submitter's name is captured by the Company Identifier.

Filing Identifier:

A unique number identifying the subject Tariff Filing. The Tariff Submitter assigns the value. Filing Identifiers do not have to be assigned sequentially from one filing to the next. If a Tariff Filing is rejected by OSEC prior to being docketed, the Filing Identifier may be reused.

Filing Title/Description:

The title given to the filing by the Tariff Submitter. Additional instructions may be published on the FERC website or via FERC notice or order. This data element will be used in eLibrary as part of the description of the Tariff Filing. The description may be edited by the OSEC before or after posting in eLibrary.

Type of Filing Code:

A numeric code that identifies the Type of Filing being made as defined by FERC regulation. Only one Type of Filing can be submitted in a single Tariff Filing. The Type of Filing Code will dictate the data requirements for the subject filing. A list of allowable codes will be published on the FERC website located at www.ferc.gov, with changes communicated via a FERC notice or order. FERC will provide this information in CSV (comma separated value) and PDF formats which will be updated as regulations are modified. The Commission will use the Type of Filing Code together with the Tariff Record Proposed Effective Date to establish whether a filing is statutory and the applicable statutory timelines.

Associated Filing Identifier:

Identifies the previous filing, if any, to which the subject filing pertains. The value provided is the Filing Identifier for the previous filing. When Associated Filing data is required, only one Associated Filing number can be provided.

Validation e-mail:

An e-mail address provided by the Tariff Submitter for notification of the results of the technical validations from the eTariff verification process. The Validation e-mail address does not have to be eRegistered with FERC.

Payment Confirmation Code:

For certain Type of Filings, the regulations require that a fee be paid along with the Tariff Filing. The payment of such fee is made at www.pay.gov through the FERC Online's eFiling page. The Payment Confirmation Code will be the Accession Number provided on FERC Online's [pay.gov](http://www.pay.gov) confirmation screen when a successful payment is made. It is suggested that the Tariff Submitter be familiar with the FERC Online's www.pay.gov procedures or pre-pay a set of fees prior to making the Tariff Filing with FERC to avoid last minute delays that may prevent a timely filing.

Suspension Motion:

As of January 2008, this data element is only applicable to certain Part 154 filings made by interstate natural gas pipelines. It is not applicable to the electric or oil industries. This data element indicates whether or not the Tariff Records should automatically go into effect at the end of the applicable suspension period. If the value provided is no ("N"), the status of the Tariff Record will remain "Suspended" until such time as the Tariff Submitter files an appropriate motion filing. If the value provided is yes ("Y"), FERC's eTariff maintenance will automatically change the status from "Suspended" to "Effective" at the end of the suspension period with no further action required of the Tariff Submitter.

Attachment Data Table Data Elements:

Attachment Reference Code:

The data code identifies the type of attachment based on the Type of Filing Code. A list of allowable codes will be published on the FERC website located at www.ferc.gov, with changes communicated via a FERC notice or order. FERC will provide this information in CSV and PDF formats which will be updated as regulations are modified. This data element must be completed for each required attachment, regardless of whether a waiver is requested for the subject attachment. Other attachments should use the Attachment Reference Code provided for "Other".

Attachment Description:

This is the description of the individual attachment. For attachments that are pre-defined by FERC's regulations, the description should be the FERC pre-defined description. For attachments that are added by the Tariff Submitter that are "Other", the description can be any value desired. The Attachment Description is not required if a waiver has been requested for the subject attachment. The Attachment Descriptions provided will be displayed in eLibrary. Additional instructions regarding this data element may be published on the FERC website or via FERC notice or order.

Attachment Waiver Requested:

This data element indicates whether or not a waiver is requested. A FERC table providing rules for attachments is located at www.ferc.gov. This table indicates whether an attachment for a given Type of Filing Code can be waived. If an attachment is provided, the field is filled with no ("N"). If a waiver for the attachment is allowed, and the Tariff Submitter wants to request a waiver, the field is filled with a yes ("Y"). If "Y" is chosen, there is no need to attach the corresponding attachment. The Waiver Request code is solely for the purpose of passing the OSEC's electronic filing validation checks. The actual request for waiver of the FERC's regulations and supporting documentation must be provided in the transmittal letter.

Attachment Document File Name:

This is the actual file name for the identified attachment provided by the Tariff Submitter. The file name is the name of the individual electronic document, including the extension. The name is chosen by the Tariff Submitter, unless otherwise provided in FERC instructions. The OSEC's file name extension rules will be enforced. The Attachment Document File Name will appear in eLibrary. The Attachment Document File Name is not required if a waiver has been requested for the subject attachment.

Attachment Document:

This is the content of the actual attached document in a base64 bit encoded binary file. This binary file is in the native format of the saved file generated from the word processing software, or other FERC approved software format(s), in which the attachment was written. Base64 bit encoding is an additional step that must be applied to the binary file, using encoding software, enabling the file to be inserted into the XML. The Attachment Document is not required if a waiver has been requested for the subject attachment.

All Tariff Filing attachments must meet the same rules and requirements applicable to any document filed with FERC through its eFiling portal. Instructions with regard to the electronic format and content of electronic documents will be published on the FERC website located at www.ferc.gov or via FERC notice or order. However, the eTariff verification process does not enforce these rules, which are subject to other FERC processes.

A clean copy of the proposed tariff, rate schedule, or service agreement for posting in eLibrary is required for all Tariff Filings. The guidelines for this document are as follows:

Guidelines for the attachment that represents the clean copy of the proposed tariff, rate schedule, or service agreement, or portion thereof, for posting in eLibrary:

1. The electronic version of the clean copy of the proposed tariff, rate schedule, or service agreement, or portion thereof, must conform with the OSEC's guidelines for electronically filed text documents, located at www.ferc.gov.
2. No information is required in the header or footer of the clean tariff, rate schedule, or service agreement, or portion thereof, to be posted in eLibrary. At its discretion, a Tariff Submitter may include information in the header or footer.
3. When using Whole Document Format and the Record Binary Data is submitted in PDF, a title page should be included containing the following information:
 - a. Tariff Submitter
 - b. FERC Tariff Program name. The current programs are:
 - i. FERC FPA Electric Tariff
 - ii. FERC PA Electric Tariff
 - iii. FERC NGA Gas Tariff
 - iv. FERC NGPA Gas Tariff
 - v. FERC ICA Oil Tariff
 - c. Tariff Title

- d. Tariff Record Proposed Effective Date
 - e. Tariff Record Title
 - f. Option Code
 - g. Other information as the FERC may require by notice or order
4. The attachment that is the clean copy for posting in eLibrary must be identical with that provided in the Record Binary Data with the exception of the text in the header or footer information.

Attachment Content Type Code:

This is the numeric code representing the software format of the specific attachment. A list of allowable codes will be published on the FERC website located at www.ferc.gov with changes communicated via a FERC notice or order. FERC will provide this information in CSV and PDF formats which will be updated as necessary. The Attachment Content Type Code is not required if a waiver has been requested for the subject attachment.

Attachment Security Level:

This code is used to indicate the level of security for the specific attachment. For example, the code indicates whether the attachment is Public, Privileged, or if Critical Energy Infrastructure Information (CEII) classification is being requested. Certain attachments are required to be Public; however, those attachments may be submitted in redacted form along with an un-redacted copy of the attachment. Additional instructions may be published on the FERC website located at www.ferc.gov or via FERC notice or order. The Attachment Security Level is not required if a waiver has been requested for the subject attachment. Documents provided with a public (redacted) and non-public levels of security should use the same Attachment Reference Code for each attachment.

Tariff Record Content Data Table Data Elements:**Tariff Record Identifier:**

This data element is a numeric value assigned by the Tariff Submitter to uniquely identify each Tariff Record. This identifier will not change with each revision within a given Tariff Record. The Tariff Record Identifier does not have to be sequential.

Option Code:

This data element permits a Tariff Submitter to propose alternate sets of Tariff Records (Option Sets) in a single Tariff Filing, with a request that FERC determine which Option Set to accept (i.e., place into effect). For each set of Tariff Records, the Tariff Submitter proposed options must start with "A" and increment sequentially through the alphabet, i.e., the Tariff Record can not have an option designated as "A" and another option designated as "C" without having an option of "B". If no alternative Options Sets are being proposed, the value for this data element would be an "A". Each Option Set must contain all Tariff Records for the relevant Tariff Filing even if some of the Tariff Records are identical across the Option Sets. For Tariff Filings with multiple Option Sets, the Tariff Submitter should make Option "A" its primary proposal. If the Type of Filing Code provides for a statutory period and the Commission does not formally act, Option "A" will be deemed Accepted and all other Options deemed Rejected. If FERC accepts tariff text from various Option Sets, it will require a compliance filing.

Tariff Record Title:

The Tariff Record Title is chosen by the Tariff Submitter for the individual Tariff Record. The Tariff Record Title may be changed in a subsequent Tariff Filing. If the Whole Document Format is used, the Tariff Record Title of the tariff, rate schedule, or service agreement should reflect the existing FERC naming conventions e.g., FERC Electric Tariff Volume Number 1, Rate Schedule X-5, Service Agreement No. 4 Under Tariff Volume No. 3.

Record Content Description:

This is a textual description of the Tariff Record. When the database is assembled, this field may be used to generate the database Table of Contents. The Record Content Description may be changed in a subsequent Tariff Filing.

Record Version Number:

This is a representation of the version (designation) of the Tariff Record, in the format of x.y.z, where "x" represents revision number for the given Tariff Record, "y" delineates that it is a substitute for a previously filed Tariff Record, and "z" indicates that it is a "squeeze" Tariff Record. A "squeeze" Tariff Record occurs when a Tariff Record needs to be made effective on a date which occurs between the effective dates of two Tariff Records with the same Tariff Record Identifier already on file with FERC. Commonly, this occurs when a Tariff Record is suspended and subsequent Tariff Records need to be made effective prior to when the suspended Tariff Record becomes effective. The Tariff Submitter may choose to use only "x" for all revised, substitute, and squeezed Tariff Records. In that case, the "y" and "z" should be zero.

This information is not used to determine actual status of a Tariff Record. This field will not be checked by the eTariff verification process. FERC will not use it in any automated fashion. This field is provided for ease of business and FERC referencing and will only be used for display.

Guidelines for the Record Version Number:

1. Each version of a Tariff Record must have a unique Record Version Number.
2. The "x", "y" and "z" components:
 - are integers
 - begin with 0.0.0
 - increment separately by one
3. Record Version Numbers are not required for the following Type of Filings and Tariff Record changes:
 - Withdrawal
 - Motions to place Tariff Records into effect or delay effectiveness

Record Narrative Name:

This is an optional data element that provides the Tariff Submitter the ability to include an additional narrative description of the Tariff Record. As of January 2008, FERC has not determined how this information will be utilized.

Tariff Record Collation Value:

This is a value provided by the Tariff Submitter that determines the order in which the Tariff Records are compiled. In other words, it will provide the appropriate sequencing of the Tariff Records. For each Tariff Record:

- Use a unique Tariff Record Collation Value, and
- It is recommended that in the preparation of a new database, a sufficient gap (e.g., increments of 1,000) be provided between the collation values to allow for future insertion of new Tariff Records.

A Tariff Record Collation Value may be modified as part of another Tariff Filing.

Example:

Tariff Record	Collation Value
Common Service Provisions	2000
Definitions	3000
Table of Contents	1000

The Tariff Records would be assembled in the following order:

Table of Contents
Common Service Provisions
Definitions

Tariff Record Parent Identifier:

The Tariff Record Parent Identifier provides the hierarchical structure to identify the higher-level part of the database to which the subject Tariff Record belongs.

When a database is first organized, thought should be given to how the electronic Table of Contents will appear. A Tariff Record that has no parent has a Tariff Record Parent Identifier of "0", i.e., top level record. If the value provided is not "0", it must be a valid Tariff Record Identifier of another Tariff Record. It is suggested by FERC that no more than 7 levels under a top level record be used.

A Tariff Record Parent Identifier may be modified as part of another Tariff Filing.

Tariff Record Proposed Effective Date:

This indicates the date the given Tariff Record is proposed to go into effect. It is used to determine which version of a Tariff Record change is effective in accordance with applicable law, regulations and business practices. The data in this field is subject to FERC review and disposition, which will impact the status of a Tariff Record for any given period of time. The Commission will use the Type of Filing Code together with the Tariff Record Proposed Effective Date to establish whether a filing is statutory and the applicable statutory timelines.

If the effective date is not known at the time of the filing, such as the effective date is contingent on FERC approval, the closing of a plant sale, etc., the date of 12/31/9998 must be used. Use of this option may have regulatory consequences depending on the FERC Tariff Program.

Changing a Tariff Record Proposed Effective Date requires a Tariff Filing.

Record Effective Priority Order:

A positive integer assigned by the Tariff Submitter that indicates the order of multiple changes for a given Tariff Record (i.e., the same Tariff Record Identifier) proposed to go into effect on the same date. The Tariff Record with the highest Record Effective Priority Order will supersede any other Tariff Records with the same Tariff Record Identifier also proposed to be effective for that date. The value must be unique across Tariff Records with the same Tariff Record Identifier and Tariff Record Proposed Effective Date. It is recommended that the default Record Effective Priority Order value be set relatively high, e.g., 500, thereby allowing subsequent Tariff Filings with Record Effective Priority Orders either before or after the initial Record Effective Priority Order.

Record Content Type Code:

This is the numeric code representing the software format of the specific Record Binary Data. A list of allowable codes will be published on the FERC website located at www.ferc.gov with changes communicated via a FERC notice or order. FERC will provide this information in CSV and PDF formats which will be updated as necessary.

Record Binary Data:

This is the content of the Tariff Record in a Base64 bit encoded binary file. This binary file is in the native format of the saved file generated from the word processing software, or other FERC approved software format(s), in which the Tariff Record content was written. Base64 bit encoding is an additional step that must be applied to the binary file, using encoding software, enabling the file to be inserted into the XML.

All Record Binary Data must meet the same rules and requirements applicable to any document filed with FERC through its eFiling website. Instructions with regard to the electronic format and content of electronic documents will be published on the FERC website located at www.ferc.gov or via FERC notice or order. However, the eTariff verification process does not enforce these rules, which are subject to other FERC processes.

Record Plain Text:

This is the plain text version of the content of the Record Binary Data. Formatting and other binary values are stripped from this content. This field will be used for searching and indexing.

Record Change Type:

This data element indicates the type of change / revision / maintenance action being requested for the Tariff Record, e.g., new, change, cancel, etc. Some Type of Filings are restricted to the choice of Record Change Types.

Business descriptions of the Record Change Types are as follows:

- NEW: To create a new Tariff Record Identifier.
- CHANGE: To change an existing Tariff Record. Modifications to a Tariff Record that has been cancelled may be made if the Tariff Record Proposed Effective Date is prior to the cancellation date.
- CANCEL: Used to cancel a Tariff Record Identifier. Once cancelled, the Tariff Record Identifier cannot be changed with a filing that contains a Tariff Record Proposed Effective Date that is after the accepted date of

cancellation. Cancellation of a Tariff Record Identifier that is a Tariff Record Parent Identifier will automatically cancel all related child Tariff Record Identifiers.

Cancellation of a Tariff Record Identifier should not be confused with canceling a Tariff Identifier, which requires the submission of a cancellation Type of Filing.

WITHDRAW: Used to withdraw a pending or suspended Tariff Record. The withdrawal of a “NEW” Tariff Record Parent Identifier will automatically cancel all “NEW” children. Withdrawal of “CHANGE” Tariff Records requires identification of each changed Tariff Record to be withdrawn. Filings to withdraw Tariff Records that are no longer pending or suspended will result in a verification error and OSEC rejection. Depending on the program, withdrawal’s effectiveness may be reflected automatically by FERC’s eTariff database maintenance. At a minimum, the Tariff Submitter needs to provide the following data elements:

- Tariff Record Identifier
- Option Code
- Record Change Type
- Associated Filing Identifier
- Associated Record Identifier
- Associated Option Code

PRO FORMA: Used to submit a Tariff Record proposal without invoking statutory processing timelines. The Tariff Submitter should include a Tariff Record Proposed Effective Date, which is used for database maintenance. Pro Forma Tariff Records cannot be converted to effective Tariff Records by FERC, and should be resubmitted as actual Tariff Records.

Associated Filing Identifier:

Used to provide the Tariff Filing Identifier associated with a previously filed Tariff Record that the subject Tariff Record replaces. This field is only populated when the Associated Filing Identifier data element (in the Filing Data Table) is populated. This data element is used in conjunction with the Associated Record Identifier and the Associated Option Code (below). This is not applicable to all Type of Filings.

An Associated Filing Identifier for the subject Tariff Record does not have to be the same as the Associated Filing at the filing level used in this Tariff Filing.

Amendment and Compliance Type of Filings permit multiple Associated Filing Identifiers, however only one Associated Filing Identifier may be provided for each Tariff Record.

Associated Record Identifier:

This field is used in conjunction with the Associated Filing Identifier and the Associated Option Code to provide the Tariff Record Identifier of the Tariff Record which the subject Tariff Record replaces. It should refer to a Tariff Record Identifier in a previous filing, and this value should be that record's Tariff Record Identifier.

Associated Option Code:

This field is used in conjunction with the Associated Filing Identifier and the Associated Record Identifier. The value should be the correct Option Code for the Associated Record Identifier.

DATA DICTIONARY

Introduction

The following three Data Tables make up the Data Dictionary for electronic Tariff Filings. Conceptually, the purpose of each table is:

- Filing Data - describes the overall filing.
- Attachment Data - supporting documents required by specific Type of Filing Code or additional documents supplied by the Tariff Submitter.
- Tariff Record Content Data - the actual “text” or “content” of the tariff, rate schedule, or service agreement along with its associated metadata.

The data elements contained in the three data tables are presented in the order in which they appear in the XML schema.

Filing Data

This data defines the Tariff Filing and this data will be provided with each Tariff Filing.

Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Schema Version	schema_version	The version of the XML schema used to create the specific Tariff Filing.	Numeric (10)	Any number between 1 and 2,147,483,648	Required.
Company Identifier	company_id	A FERC-designated Company Identifier code used to identify an entity required to submit Tariff Filings to FERC pursuant to Title 18 Code of Federal Regulations Parts 35, 154, 284, 300, 341 or other Parts as required by FERC.	Alphanumeric (10)	Free form text	Required. Assigned by FERC and provided in the Tariff Filing by the Tariff Submitter.
Tariff Identifier	tariff_id	A unique identifier for the Tariff Submitter's database assigned by the Tariff Submitter as it pertains to the database being modified by the Tariff Filing. This can be any value in the allowable range of numbers, but it must be unique for each Tariff Submitter's database. A Tariff Submitter may have more than one active database.	Numeric (10)	Any number between 1 and 2,147,483,648	Required. Assigned and provided by the Tariff Submitter. The Tariff Identifier of the database cannot change.
Tariff Title	tariff_title	The name of the database assigned by the Tariff Submitter.	Alphanumeric (100)	Free form text.	Required only when creating a new database. After the initial submission, the Tariff Identifier is used, and this data element may be left blank. Assigned and provided by the Tariff Submitter. The Tariff Title of the database cannot change.
Filing Identifier	filing_id	A unique identifier for the subject Tariff Filing for the Tariff Submitter.	Numeric (10)	Any number between 1 and 2,147,483,648	Required. Assigned and provided by the Tariff Submitter. This can be any value in the valid range of numbers, but it must be unique across all Tariff Filings for a specific Tariff Submitter.

Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Filing Title / Description	filing_title	The title given to the Tariff Filing by the Tariff Submitter.	Alphanumeric (80)	Free form text.	Required. Assigned and provided by the Tariff Submitter. This will not be used in FERC's eTariff system and will be used in eLibrary.
Type of Filing Code	filing_type	A code that identifies the specific FERC defined type of Tariff Filing as set forth in Title 18 Code of Federal Regulations Parts 35, 154, 284, 300, 341 or other Parts as required by the Commission (e.g., initial, compliance, surcharge, etc.). The Type of Filing will dictate the data requirements for the subject filing	Numeric (10)	See list of codes posted @ www.ferc.gov	Required.
Associated Filing Identifier	associated_filing_id	The Filing Identifier for the previous Tariff Filing to which the subject filing pertains (i.e., associated).	Numeric (10)	Any number between 1 and 2,147,483,648	Conditional. Assigned and provided by the Tariff Submitter. This is not applicable to all Type of Filings. Where it is used, it must refer to a previous Tariff Filing, and the value should be that previous Tariff Filing's "filing_id" value. An example might be the subject Tariff Filing is a compliance (or withdrawal) filing and the previous, applicable Tariff Filing to which it pertains must be identified in this field.
Validation e-mail	validation_email	The e-mail address provided by the Tariff Submitter for notification of whether the Tariff Filing meets the technical requirements such that it can be passed on to the OSEC for further processing.	Alphanumeric (100)	Free form text	Required.
Payment Confirmation Code	pay_confirm_code	The Accession Number for the associated fee that has been previously submitted via FERC Online's www.pay.gov , as applicable.	Alphanumeric (15)	FERC Accession Number in nnnnnnnn-nnnn format	Conditional based on the Type of Filing. Required if payment is required by the regulations. Provided by the Tariff Submitter.

Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Suspension Motion	suspend_motion	An indication of whether or not the Tariff Records should automatically go into effect at the end of the applicable suspension period.	Character (1)	"Y" or "N"	Conditional based off of Type of Filing. Provided by the Tariff Submitter.

Attachment Data

This defines data for each supporting / attached document that is either (1) being provided with the Tariff Filing or (2) for which a waiver is requested.

Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Attachment Reference Code	att_ref_code	The FERC assigned reference code for each attachment type.	Numeric (10)	See list of codes posted @ www.ferc.gov	Required. Provided by the Tariff Submitter. If the attachment pertains to a specific document defined for the Type of Filing, the appropriate document reference code must be used. Note: The code may be different for each Type of Filing.
Attachment Description	att_desc	The title given to the attachment submitted by the Tariff Submitter.	Alphanumeric (80)	Free form text.	Required. For attachments that are pre-defined by FERC's regulations, the description will be the FERC pre-defined description. For other attachments that are added by the Tariff Submitter, the description can be any value desired. These descriptions will be displayed in eLibrary as assigned and provided by the Tariff Submitter.
Attachment Waiver Requested	att_waiver_request	An indication of whether or not the Tariff Submitter is requesting a waiver for submission of the attachment specified as required by the Attachment Reference Code.	Character (1)	"Y" - waiver is requested "N" or " " - waiver not requested	Conditional on the Type of Filing – required for those attachments that are required by regulations. Assigned and provided by the Tariff Submitter. For each document that is requested to be waived, the Attachment Reference Code (above) is provided, and a value of "Y" is entered here. If an actual document is being provided, this value should be "N" or " ".
Attachment Document	att_binary_data	This is the actual document content.	Binary (50 MB)	Binary Base64 bit encoded file content	Conditional on the Type of Filings. Required if Attachment Document is required by regulation and waiver of such is not requested in the field "Attachment Waiver Requested." Provided by the Tariff Submitter.

Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Attachment Document File Name	att_filename	The complete file name, including the extension, assigned by the Tariff Submitter of the Attachment Document being attached.	Alphanumeric (60)	Free form text. Must not include ? / * \ " ' > or <.	If the Attachment Waiver Requested is "Y", Attachment Document File Name is not required. Assigned and provided by the Tariff Submitter if not otherwise pre-defined by FERC's regulations or instructions. This file name will be used to identify the document and the extension will be used for retrieval purposes. Valid file names cannot include special characters such as: ? / * \ " ' > <
Attachment Content Type Code	att_content_type_code	The numeric code representing the software format of the specific Attachment Document.	Numeric (10)	See list of codes posted @ www.ferc.gov	Conditional, required when the Attachment Document is provided.
Attachment Security Level	att_security_level	The level of security requested for the specific attached document corresponding to the applicable Attachment Document.	Character (1)	"P" - Public "M" - Privileged "X" - Critical Energy Infrastructure Information See list of codes posted @ www.ferc.gov	Conditional based on Type of Filing. Required when the Attachment Document is provided. Certain Attachment Documents are required to be Public. Assigned and provided by the Tariff Submitter.

Tariff Record Content Data

This provides the data for each Tariff Record.

Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Tariff Record Identifier	record_id	An identifier for the Tariff Record within a given database that will not change as a result of revisions to the content of the Tariff Record (with same or different effective dates). No two different Tariff Records in the same database may have the same Tariff Record Identifier.	Numeric (10)	Any number between 1 and 2,147,483,648	Required. Assigned by the Tariff Submitter. Each Tariff Record in the database has an associated Tariff Record Identifier number that does not change with each revision within a given database. The Tariff Record Identifier is not used for collation and does not have to be assigned sequentially.
Option Code	option_code	An identifier that designates the alternative Tariff Record option being submitted. An identifier that designates the primary Tariff Record as "A" and designates all alternative Tariff Record options being submitted, if any, sequentially in alphabetic order.	Character (1)	"A" thru "Z" allowed.	Required. Provided by the Tariff Submitter. Default (no more than one option is provided) is "A".
Tariff Record Title	record_title	The name of the Tariff Record contents.	Alphanumeric (60)	Free form text.	Required, if Tariff Record is a first-level Parent or in a Whole Document Format. Optional in other cases. Assigned by the Tariff Submitter. This field may be used in a database generated Table of Contents.
Record Content Description	record_content_desc	Textual description of the Tariff Record.	Alphanumeric (25)	Free form text.	Required. Assigned by the Tariff Submitter. This field may be used in a database generated Table of Contents.

Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Record Version Number	record_version_number	A representation of the version (designation) of the Tariff Record.	Alphanumeric (10)	x.y.z x = revision number y = substitute number z = "squeezed" number	Conditional based on Type of Filing. This information is not used to determine actual status of a Tariff Record. It is not used in any automated fashion other than display (possibly in the table of contents). This data is provided for ease of business and FERC referencing only.
Record Narrative Name	record_narrative_name	An additional narrative description of the Tariff Record.	Alphanumeric (254)	Free form text	Optional.
Tariff Record Collation Value	collation_value	A value that will determine the sort order in which the Tariff Records are merged.	Numeric (25)	Any number between 1 and 2,147,483,648	Required. Assigned by the Tariff Submitter.
Tariff Record Parent Identifier	record_parent_id	Provides the hierarchical structure to identify the higher-level part of the database to which this Tariff Record belongs.	Numeric (10)	Any number between 0 and 2,147,483,648	Required. Assigned by the Tariff Submitter. If the Tariff Submitter chooses not to use the functionality of this field, they must still populate the field with "0". Otherwise, the value must be a valid Tariff Record Identifier.
Tariff Record Proposed Effective Date	proposed_effective_date	The proposed effective date for the specified Tariff Record.	Date (10)	YYYY-MM-DD	Required. Assigned by the Tariff Submitter.

Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Record Effective Priority Order	priority_order	A positive integer that directs which of multiple changes of a given Tariff Record (the same Tariff Record Identifier) proposed to go into effect on the same day, will take precedence, i.e., the Tariff Record with the highest numeric value will supersede any other Tariff Records with the same Record Identifier also proposed to be effective for that day.	Numeric (10)	Any number between 1 and 2,147,483,648	Required. Assigned by the Tariff Submitter. Default value should allow for priority values below and above the Tariff Record of a specific Tariff Record Proposed Effective Date initial value (for example: 500). The value must be unique for a specific Tariff Record for a specific Tariff Record Proposed Effective Date. When the current database is assembled for a particular effective date and there are multiple Tariff Records with the same Record Identifier and the same effective date, the approved Tariff Record for that effective date with the highest Record Effective Priority Order number will be the effective Tariff Record.
Record Content Type Code	record_content_type_code	The version of the software used to create the specific Tariff Record.	Numeric (10)	See list of codes posted @ www.ferc.gov	Conditional based on Type of Filing and/or structure of database. Provided by the Tariff Submitter.
Record Binary Data	record_binary_data	The actual Tariff Record content.	Binary (10 MB)	Binary Base64 bit encoded file content	Conditional based on Type of Filing and/or structure of database. Provided by the Tariff Submitter.
Record Plain Text	record_plain_text	The plain text version of the content of the Record Binary Data. Formatting and other binary values are stripped from this content.	Alphanumeric (10 MB)	Free form text	Conditional based on Type of Filing and/or structure of database. Provided by the Tariff Submitter.
Record Change Type	record_change_type	A description of the type of change being requested.	Alphanumeric (15)	See Code Values Dictionary	Required. Assigned by the Tariff Submitter. Used to identify the appropriate Tariff Record maintenance action. Some Type of Filings restrict the choice of Record Change Types.

Business Name (1)	Element Name (2)	Definition of Data Element (3)	Field Format (length) (4)	Valid Values (5)	Usage Responsibility Conditions (6)
Associated Filing Identifier	associated_filing_id	<p>The Tariff Filing Identifier associated with a previously filed Tariff Record which the subject Tariff Record replaces.</p> <p>Note: This is used in conjunction with the Associated Record Identifier and the Associated Option Code (below).</p>	Numeric (10)	Number between 1 and 2,147,483,648 used by the Tariff Submitter in a previous Tariff Filing	<p>Conditional.</p> <p>Assigned by the Tariff Submitter.</p> <p>This is not applicable to all Type of Filings. Where the Type of Filings permits or requires its use, it must refer to a previous Tariff Filing, and the value should be that previous Tariff Filing's Filing Identifier.</p>
Associated Record Identifier	associated_record_id	<p>This is used to associate the specific content with a previously filed Tariff Record. For example, withdrawal Tariff Filings must identify the content being requested to be withdrawn.</p> <p>Note: This is used in conjunction with the Associated Filing Identifier (above) and the Associated Option Code (below).</p>	Numeric (10)	Number between 1 and 2,147,483,648 used by the Tariff Submitter for the targeted Tariff Record Identifier	<p>Conditional.</p> <p>Assigned by the Tariff Submitter.</p> <p>This is not applicable to all Type of Filings. Where it is used, it must refer to a Tariff Record Identifier in the associated filing.</p>
Associated Option Code	associated_option_code	<p>An identifier that designates the alternative associated record option of a previously filed Tariff Record.</p> <p>Note: This is used in conjunction with the Associated Filing Identifier and the Associated Record Identifier (above).</p>	Character (1)	"A" thru "Z" used by the Tariff Submitter for the targeted Tariff Record Identifier	<p>Conditional.</p> <p>Assigned by the Tariff Submitter.</p> <p>Where it is used, the value should be the applicable Option Code value for the Associated Record Identifier.</p>

Code Values Dictionaries and FERC Reference Tables

Certain data elements need to be populated with standardized responses (code values). Some of these data elements lend themselves to simple code value tables as provided below. For others, FERC will provide reference tables in a downloadable CSV file. After the following data element code values tables is an extensive explanation of the FERC reference tables.

Data Element: Attachment Waiver Requested

Code Value	Code Value Description
N	No, a waiver of the attachment is not being requested.
Y	Yes, a waiver of the attachment is being requested.

Data Element: Option Code

Code Value	Code Value Description
A	Default for the primary Tariff Record.
B, C, through Z	Subsequent codes used for alternatives and must be provided in alphabetical order.

Data Element: Record Change Type - (code values is case sensitive)

Code Value	Code Value Description
CANCEL	Used to cancel a Tariff Record Identifier.
CHANGE	Used to change an existing Tariff Record.
NEW	Used to create a new Tariff Record Identifier.
PRO FORMA	Used to submit a Tariff Record proposal without invoking statutory processing timelines.
WITHDRAW	Used to withdraw a pending or suspended Tariff Record.

Data Element: Suspension Motion

Code Value	Code Value Description
N	No, the filing should not become effective without a separate filing to request such.
Y	Yes, the Tariff Record(s) should go into effect at the end of the suspension period.

FERC Reference Tables Provided in Downloadable Files

FERC will provide reference tables in downloadable files for the remaining data elements which have standardized code values, as well as to provide information to assist in the development of a Tariff Submitter's document management system and the creation of a Tariff Filing. The downloadable files will contain the appropriate codes to be used to populate the identified XML data elements (schema) and/or contain data that can be used to assist in error processing, provide FERC validation information and/or FERC business rules used to process the Tariff Filing.

This section is composed of three parts:

- (1) A list of the FERC File Downloads and their contents;
- (2) The Format of the FERC File Download Files; and
- (3) A description of the data elements contained in the FERC File Downloads

(1) List of FERC File Downloads

The following is a list of the downloadable files that FERC will post on its website, located at www.ferc.gov. The files listed will be available in CSV and may be provided in PDF formats.

- Type of Filing (`filing_type`) – code values and rules of use
- Attachment Reference Code (`att_ref_code`) – code values and rules of use
- Attachment Content Type Code (`att_content_type_code`) – code values
- Attachment Security Level (`att_security_level`) – code values
- Record Content Type Code (`record_content_type_code`) – code values
- Validation error codes provided by FERC.

(2) Format of the FERC File Downloads

The downloadable files posted on the FERC website will be formatted in CSV. The first row of the file will be the title of each of the columns and will determine the order in which the corresponding data is to appear in all subsequent rows. The following are the CSV file format specifications:

- Rows are separated by a carriage return/line feed (CRLF).
- Fields are separated by commas.
- When a field contains a comma, the field will be enclosed by double-quotes.
- When numeric data contains decimal precision, the decimal point will be included within the field.
- When a field contains no data, the empty field will contain two delimiters next to each other. Note that there will be no blank spaces between the delimiters.

(3) Description of the Data Elements contained in the FERC File Downloads

FERC's Tariff Filing requirements are the function of many statutory, regulatory and business processes. A Tariff Filing must satisfy many rules simply to be considered a filing acceptable for processing by the FERC. How FERC maintains the contents of Tariff Filings is a function of these statutory, regulatory and business rules, plus its own findings with regard to the merits of the Tariff Submitter's proposal(s). FERC has created software for internal purposes of automating the Tariff Filing review process and much of the eTariff maintenance process. It is in the interest of the FERC that Tariff Submitters create electronic Tariff Filings that are compatible with FERC's automated Tariff Filing and eTariff maintenance processes. For that reason, FERC provides the public information on additional data elements that it uses as part of its processes. This information may be used by Tariff Submitter's document management system to add functionality to the processes and to improve accuracy of the Tariff Filings. FERC will not review or certify any Tariff Submitter's document management system.

Following is a description of each of the downloadable files and the data contained in such files (both eTariff XML data elements and non-eTariff data elements used by FERC). The names of the columns that will be contained in the downloadable files are reflected below and are either shown in **bold** text (XML schema data elements) or in *italics* (non-XML schema data elements).

- **Type of Filing** (*filing_type*) - This file contains seventeen columns:
 1. **filing_type** – The values are used to populate the *filing_type* XML data element for the subject Tariff Filing. The statutes, regulations and business rules provide for many different filing types. Every Type of Filing has a unique code that is randomly generated by FERC. It is used to direct the software to a set of data elements that describe that filing type.
 2. *description* – Description of the *filing_type*. In this column FERC will provide its description for each Type of Filing Code.
 3. *prog_code*: The “program code” refers to the different FERC Tariff Programs. As of January 2008, FERC has divided the various Type of Filings into five programs which are reflected by the six values below. FERC will allow the Tariff Submitter to determine which Type of Filing Codes are relevant based on its FERC Tariff Programs. Within the five programs are dozens of different Type of Filings. The values in this column are defined below:
 - E = Federal Power Act Electric (Traditional Cost of Service and Market Based Rates) Public Utilities
 - F = Power Administrations
 - G = NGA Gas Pipelines
 - K = NGPA 311 Gas Pipelines
 - M = Federal Power Act Electric (Market Based Rate) Public Utilities
 - O= Oil Pipelines

FERC assigns one of the above program codes to a Tariff Submitter at the time the Tariff Submitter registers with FERC as part of the company registration process. The Tariff Submitter can only make Tariff Filings with one of the Type of Filing Codes that are under the same program code as the Tariff Submitter.

Note: The program code of “M” is a subset of the “E” program code unique for FPA Tariff Submitters that only sell power at Market Based Rates. Tariff Submitters with “E” and “M” program codes will need to change their program code through the FERC company registration process if it requires access to Type of Filing Codes not available in its program.

4. *new_type* – This column will indicate either yes (Y) or no (N). This reflects a type of Baseline category Type of Filing that requires both the creation of a new Company Identifier and a new Tariff Identifier. Such filings follow the business process rules of Normal/Statutory type of filing category. A more detailed explanation of the broad category of Baseline is provided below.
5. *refiled_type* – This column will indicate either yes (Y) or no (N). This reflects a type of Baseline category Type of Filing wherein the Tariff Submitter already has a pre-existing database or collection of paper tariffs, rate schedules, or service agreements and is requesting a new Tariff Identifier. Such filings follow the business process rules of Compliance type of filing category. A more detailed explanation of the broad category of Baseline is provided below.
6. *compliance_type* – This column will indicate either yes (Y) or no (N). This reflects a Type of Filing more fully explained below for the broad category of Compliance type.
7. *amendment_type* – This column will indicate either yes (Y) or no (N). This reflects a Type of Filing more fully explained below for the broad category of Amendment type.
8. *motion_type* – This column will indicate either yes (Y) or no (N). This reflects a Type of Filing more fully explained below for the broad category of Motion type.
9. *withdraw_type* – This column will indicate either yes (Y) or no (N). This reflects a Type of Filing more fully explained below for the broad category of Withdraw type.
10. *report_type* – This column will indicate either yes (Y) or no (N). This reflects a Type of Filing more fully explained below for the broad category of Report type.
11. *cancellation_type* – This column will indicate either yes (Y) or no (N). This reflects a Type of Filing more fully explained below for the broad category of Cancellation type.
12. *suspend_motion_response* – This column will indicate either yes (Y) or no (N). FERC may suspend certain Type of Filings. For some programs, the Tariff Submitter is required to inform FERC whether or not it is submitting a motion to place suspended Tariff Records into effect at the end of the suspension period. The download file will indicate the Type of Filings requiring such a data element be populated by the Tariff Submitter.
13. *status_change_timeout* – Many Type of Filings must be acted upon by FERC by a certain number of days from the date of the Tariff Filing. This data element shows the number of days from the date of the filing before the FERC internal system will automatically change the status in the absence of a FERC order.
14. *fee_required* - This column will indicate either yes (Y) or no (N). If yes (Y), then this Type of Filing requires a filing fee be made with the Commission.

15. *active_date* – This column will indicate the effective date of the other data elements on the row.
16. *inactive_date* – This column will indicate the retirement date of the other data elements on the row. If there is no known retirement date, the date of 12/31/9998 will appear.
17. *citation* – This column provides the corresponding Citation to FERC regulation. This is a text field that provides the reader with additional information as to the source of the requirement.

Explanation of Type of Filing Categories:

Different Type of Filings have different business processes as required by statute, regulation or business practice. FERC breaks down the dozens of different Type of Filings into eight broad categories that have similar business processes. The eight broad categories are explained below however, not all of them have individual columns in the download file.

The eight broad categories of Type of Filings are defined by FERC as:

- **Baseline** - This category is used for a Type of Filing that requires a new Tariff Identifier. Every Tariff Submitter establishing a new Tariff Identifier must start with a Baseline filing. However, the automated processing is different depending on whether the requested action is “New” or “Refiled” as more fully explained in the description above for the columns “*new_type*” and “*refiled_type*”:
- **Normal/Statutory** - This category is used for a Type of Filing wherein the Tariff Submitter is the proponent of the change(s) in a tariff, rate schedule, or service agreement. This business process rule will be the most commonly used by Tariff Submitters. FERC has rules for some programs, such as when a Type of Filing is appropriate relative to various indices, such as the status of a Tariff Filing or Tariff Identifier. Statutory, regulatory and business rules apply to the status of a proposed change(s) in a tariff, rate schedule, or service agreement. Many of these rules are automated to change the status conditions in the appropriate circumstances. A Type of Filing is a "normal" type if the data in the columns on the download file for all category types (*motion_type*, *report_type*, *amendment_type*, etc.) are set to "N".
- **Compliance** - This category is used for a Type of Filing wherein the Tariff Submitter proposes to comply with a FERC order. There is no automated rule to change the status of the Tariff Filing. These status changes will require FERC action.
- **Amendment** - This category is used for Type of Filings wherein the Tariff Submitter proposes to change a pending Tariff Filing prior to FERC or business process rule action on a Normal/Statutory Type of Filing. A Tariff Submitter cannot amend a filing that FERC has acted upon either by order or by rule of law. Amendment Type of Filings modify the timing of

automated action on the associated Normal/Statutory or Amendment Type of Filing. Amendments can be infinitely associated with each other with the same result of modifying the timing of automated action on the associated Normal/Statutory Type of Filing and subordinates it to the Amendment Type of Filing.

- **Motion** - This category of Type of Filing can only be associated with Tariff Records whose status condition in the FERC eTariff database is “suspended”. The only action that a filing in this category can do is to change the Proposed Effective Date of the Tariff Record that is “suspended”. Any change in the tariff, rate schedule, or service agreement is ignored. If a Tariff Submitter wishes to change both the status of suspended Tariff Record and tariff, rate schedule, or service agreement, it must file a “Compliance” Type of Filing.
- **Withdraw** - This category of Type of Filing can only be associated with Tariff Records that are (depending on the program) in the FERC eTariff database in a “pending”, “conditional” or “suspended” status condition. Any change in the tariff, rate schedule, or service agreement is ignored. This business process rule may (depending on the program) automatically withdraw the targeted Tariff Record and change the formerly “superseded” Tariff Records to “effective.” Therefore, no additional Tariff Filing or Tariff Records are required to reinstate the superseded Tariff Record.

Note: The Withdraw category of Type of Filing should not be confused with the Record Change Type of WITHDRAW. The Withdraw category of Type of Filing acts upon the associated filing as a whole, whereas the WITHDRAW Record Change Type acts upon the associated tariff record.

- **Report** - This category of Type of Filing contains no Tariff Record information. It can only be used to supplement the record of the proceeding. Basically, the Report Type of Filing is meant to provide Tariff Submitters a means to make complex filings with FERC in an established proceeding as an alternative to FERC’s eFiling website portal for non-Tariff Filings.
- **Cancellation** - This category of Type of Filing is used by the Tariff Submitter to terminate a Tariff Identifier. Once a Tariff Identifier is cancelled, only Compliance Type of Filings with a Proposed Effective Date before the effective date of the cancelled Tariff Record may be filed using the cancelled Tariff Identifier.
- **Attachment Reference Code** (att_ref_code) - This file contains seven columns:
 1. **filing_type** – This column relates the Type of Filing with the available selection of attachments.
 2. **att_ref_code** – This column is used to populate the att_ref_code XML data element field for each attachment.

3. **att_desc** – This column is used to populate the att_desc XML data element field for each attachment.
 4. *citations* – This column provides the corresponding Citation to FERC regulation. This is simply a text field that provides the reader with additional information as to the source of the requirement.
 5. *is_required* – This column will indicate either yes (Y) or no (N). Certain documents are required by either regulation or business rule for the Tariff Filing to be considered complete enough for the OSEC to accept for filing. For each Type of Filing Code, the attachments expected with each filing are identified, and for each attachment the coding as to whether the attachment is required by the OSEC as a minimal condition is provided.
 6. *can_waive* - This column will indicate either yes (Y) or no (N). Some attachments may be required, but FERC may permit the Tariff Submitter to request that the requirement be waived. FERC will post whether a required attachment may be waived.
 7. *req_access_lvl* – This column indicates the required security level on a file as indicated in the att_security_level download file. A blank indicates no required security level. The values are defined below:
 - P = Public
 - M = Privileged
 - X = Critical Energy Infrastructure Information
- **Attachment Content Type Code** (att_content_type_code) - This file contains five columns:
 1. **att_content_type_code** - The values are used to populate the att_content_type_code XML data element for each attachment.
 2. *description* – The description of the electronic format represented by the code.
 3. *file_extension* – This column contains the electronic format extensions.
 4. *active_date* – This column will indicate the effective date of the other data elements on the row.
 5. *inactive_date* – This column will indicate the retirement date of the other data elements on the row. If there is no known retirement date, the date of 12/31/9998 will appear.
 - **Attachment Security Level** (att_security_level) - This file contains four columns:
 1. **att_security_level** – The values are used to populate the att_security_level field for each attachment.
 2. *description* - Description of the FERC security level associated with the att_security_level. Note that every attached document must have a populated att_security_level. FERC will not presume any default document security level.

3. *active_date* – This column will indicate the effective date of the other data elements on the row.
 4. *inactive_date* – This column will indicate the retirement date of the other data elements on the row. If there is no known retirement date, the date of 12/31/9998 will appear.
- **Record Content Type Code** (*record_content_type_code*) - This file contains two columns:
 1. **record_content_type_code** – The values are used to populate the *record_content_type_code* field for each record.
 2. *description* - Describes the *record_content_type_code*.
 - **Validation Error Codes** (*validation_error_code.csv*) - This file contains two columns:
 1. *error_code* – The values for the identified error.
 2. *description* - Describes the error.

Electronic Delivery Specifications

- **High-level Summary**

The following section defines the technical details and processes for computer-to-computer exchange of an XML file between a Tariff Submitter and FERC for electronic-Tariff Filings. It also defines eFiling authentication, eTariff portal security, and information on error / messages, security and maintenance. It does not provide information related to developing a Tariff Submitter's document management system as FERC is not providing a system to manage the Tariff Submitter's tariffs, rate schedules, or service agreements. The Tariff Submitter can either purchase a third party software system, or design and develop its own system (manual or automated) to maintain its tariffs, rate schedules, or service agreements. The Tariff Submitter will provide an XML formatted eTariff filing in accordance with the eTariff standards and other FERC requirements.

The Tariff Submitter will not have direct access to the FERC eTariff database to add, change or delete records. The Tariff Submitter will only be able to maintain its data in the FERC eTariff database via data sent through the eTariff filing process.

The following process describes the electronic Tariff Filings that **must** be filed through the FERC's eFiling web page located at www.ferc.gov.

- **Format of Upload Data**

The eFiling portal for eTariff filing packages assumes the Tariff Submitter has already produced an XML file that contains both data tags and embedded data per the business specifications provided and has been packaged as a zip file. There are no restrictions on the file name other than "normal" file naming conventions (i.e., a file name should contain no periods except the period preceding the file extension and no backslashes), the total character length must be 64 characters or less, and must have a ".ZIP" extension.

- **Login/authentication Requirements**

eRegistration:

In order to submit a Tariff Filing through the eTariff portal, the User must be eRegistered with FERC. The eRegistration process will allow the User to login to FERC's eFiling portal. The instructions on how a User may become eRegistered are located at www.ferc.gov.

eFiling Requirements:

The FERC's eFiling *Reference Guide* located at www.ferc.gov provides a step-by-step set of instructions and expected results for the eFiling process.

Company Registration Requirements:

To log into FERC's eTariff portal, the User will be required to have a Company Identifier. This Company Identifier is unique for each company filing tariffs, rate schedules, or service agreements with FERC. All Users will enter the same Company Identifier for a given company. Instructions on how to obtain a Company Identifier are located at FERC's Online Company Registration application, located at www.ferc.gov. Note: The eTariff Company Identifier should not be confused with the data element Company Identifier contained in the data dictionary.

- **Minimum Technical Capabilities of Browser Clients**

FERC's eFiling portal is compatible with most common internet browsers, but is optimized for use with Microsoft® Internet Explorer 9.

- **Error Codes and Handling**

Error codes that can occur during the upload of the eTariff package on the FERC eFiling portal will be provided as described in the eFiling documentation, located at www.ferc.gov.

The e-mail that results from the eTariff verification process will use specific error codes/descriptions. The error codes provided within the e-mail can be decoded with the FERC-published code table located at www.ferc.gov. This table can be downloaded in CSV format and may be available in PDF format.

If the XML file is malformed and cannot be read, to the extent OSEC is able to identify the resulting error messages, the error messages will be provided to the Tariff Submitter as part of the OSEC Rejection e-mail. The Tariff Submitter is responsible for researching the nature of the XML error messages at locations such as www.w3.org (i.e.: <http://validator.w3.org/docs/errors.html>).

- **Security Specifications**

Tariff Submitters are responsible for security of all data contained in their filing that resides on their internal systems. The Company Identifier is public information.

Electronic transfer of the ZIP file is via the FERC eFiling portal using secure login (from eRegistration) and HTTPS for User interaction, and data transfer using a web browser. Refer to FERC eFiling specifications for minimal requirements of browsers using FERC web pages located at www.ferc.gov.

Data security at FERC is the responsibility of FERC.

- **Testing Guidelines**

FERC will provide a facility/function that will receive an eTariff XML filing package and verify it can be opened and parsed, and, if the appropriate data is provided, it will validate data content against production data. This facility will be available for use at any time. Information on how to access and use this testing facility is available at www.ferc.gov.

- **Maintenance**

The eTariff XML schema and associated code definition and downloadable CSV files will be maintained on the FERC website. Significant changes to any of these items will follow normal FERC notice/comment process. This process will also indicate the effective date of the change, and whether there will be a transition period.

Revisions to the eTariff XML schema code definition files will be posted in downloadable XSD and PDF formats located at www.ferc.gov. In the event of a discrepancy between the PDF and XSD files, the XSD file shall take precedence.

Revised code definition files will be posted in downloadable CSV file and may be available in a PDF file on FERC's website located at www.ferc.gov.

FERC will not certify or will not support software that Tariff Submitters may develop or purchase. Owners of these software packages are responsible for their maintenance and ensuring that any required eTariff XML schema and/or code revisions posted by FERC are properly recognized by such software.

XML Schema Version 1

Set forth below is Version 1 of the XML Schema that must be used to submit a Tariff Filing through FERC's eFiling / eTariff Portal.

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema id="ferc_tariff_filing" targetNamespace="http://ferc.gov/etariff.xsd"
elementFormDefault="qualified" xmlns="http://ferc.gov/etariff.xsd"
xmlns:xs="http://www.w3.org/2001/XMLSchema" >
  <xs:element name="document">
    <xs:complexType>
      <xs:choice minOccurs="1" maxOccurs="1">
        <xs:element name="ferc_filing_data" minOccurs="1" maxOccurs="unbounded">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="schema_version" type="xs:string" nillable="true"/>
              <xs:element name="company_id" type="xs:string" nillable="true"/>
              <xs:element name="tariff_id" type="xs:integer" nillable="true"/>
              <xs:element name="tariff_title" type="xs:string" nillable="true"/>
              <xs:element name="filing_id" type="xs:integer" nillable="true"/>
              <xs:element name="filing_title" type="xs:string" nillable="true"/>
              <xs:element name="filing_type" type="xs:integer" nillable="true"/>
              <xs:element name="associated_filing_id" type="xs:integer" nillable="true"/>
              <xs:element name="validation_email" type="xs:string" nillable="true"/>
              <xs:element name="pay_confirm_code" type="xs:string" nillable="true"/>
              <xs:element name="suspend_motion" type="xs:string" nillable="true"/>
              <xs:element name="attachment_data" minOccurs="1" maxOccurs="unbounded">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="att_ref_code" type="xs:integer" nillable="true"/>
                    <xs:element name="att_desc" type="xs:string" nillable="true"/>
                    <xs:element name="att_waiver_request" type="xs:string" nillable="true"/>
                    <xs:element name="att_binary_data" type="xs:base64Binary" nillable="true" />
                    <xs:element name="att_filename" type="xs:string" nillable="true"/>
                    <xs:element name="att_content_type_code" type="xs:integer" nillable="true"/>
                    <xs:element name="att_security_level" type="xs:string" nillable="true"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
            <xs:element name="record_data" minOccurs="0" maxOccurs="unbounded">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="record_id" type="xs:integer" nillable="true"/>
                  <xs:element name="option_code" type="xs:string" nillable="true"/>
                  <xs:element name="record_title" type="xs:string" nillable="true"/>
                  <xs:element name="record_content_desc" type="xs:string" nillable="true"/>
                  <xs:element name="record_version_num" type="xs:string" nillable="true"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:element>
      </xs:choice>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

```
<xs:element name="record_narrative_name" type="xs:string" nillable="true"/>
<xs:element name="collation_value" type="xs:integer" nillable="true"/>
<xs:element name="record_parent_id" type="xs:integer" nillable="true"/>
<xs:element name="proposed_effective_date" type="xs:date" nillable="true"/>
<xs:element name="priority_order" type="xs:integer" nillable="true"/>
<xs:element name="record_content_type_code" type="xs:integer" nillable="true"/>
<xs:element name="record_binary_data" type="xs:base64Binary" nillable="true"/>
<xs:element name="record_plain_text" type="xs:string" nillable="true"/>
<xs:element name="record_change_type" type="xs:string" nillable="true"/>
<xs:element name="associated_filing_id" type="xs:integer" nillable="true" />
<xs:element name="associated_record_id" type="xs:integer" nillable="true" />
<xs:element name="associated_option_code" type="xs:string" nillable="true" />
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:choice>
</xs:complexType>
</xs:element>
</xs:schema>
```

Note: The XML Schema definition language (XSD) defines four attributes for use in XML instance documents, indicated by the <http://www.w3.org/2001/XMLSchema-instance> namespace. Information regarding these four attributes is located at <http://msdn2.microsoft.com/en-us/library/ms256207.aspx> and <http://www.w3.org/TR/xmlschema-1/>. The eTariff specifications contained in this document utilize the `nil="true"` attribute to indicate an empty (null) numeric element. It has been determined that some XML software tools do not support the `nil="true"` attribute. The software developer should thoroughly investigate the capabilities of their development tool sets to ensure that they support the `nil="true"` attribute.

Appendix

Instruction Manual for Electronic Filing of Part 154 Rate Filings

Instruction Manual for Electronic Filing of Part 154 Rate Filings

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GENERAL INFORMATION

Purpose

Under the authority of the Natural Gas Act (15 USC 717), the Federal Energy Regulatory Commission (the Commission) promulgated 18 CFR § 154.4(a). Section 154.4(a) requires that all filings made in proceedings initiated under this part must be made electronically. These instructions provide information on the material filed in electronic form.

Who Must Submit

Each natural gas company, as defined in the Natural Gas Act, filing for a change in rates pursuant to subpart D of Part 154 of the Commission's regulations.

What and Where to Submit

All tariff filings must be submitted using eTariff. Instructions for using eTariff can be found on the Commission's website <http://www.ferc.gov>.

When to Submit

All proposed changes in tariffs, contracts, or any parts thereof must be filed with the Commission consistent with the notice requirements of 18 CFR § 154.207

Public Reporting Burden

The public reporting burden for the FERC-545 and FERC-546 is estimated to average 130.37 hours per response and 195 hours per response respectively, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding these burden estimates or any aspect of these information collections, including suggestions for reducing this burden, to DataClearance@ferc.gov, or to the Federal Energy Regulatory Commission, 888 First Street, NE, Washington DC 20426 (Attention: CIO Information Clearance Officer). Comments should also be sent to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503 (Attention: Desk Officer for the Federal Energy Regulatory Commission) at oira_submissions@omb.eop.gov. No person shall be

subject to any penalty if any collection of information does not display a valid control number (44 U.S.C. § 3512 (a)).

I. GENERAL INSTRUCTIONS

Submission of spreadsheets in native file format is preferred for Statements A through M, including related schedules. Statements O and P may use any electronic format that renders text, graphics, spreadsheets or data bases that the Commission accepts (the list of FERC Acceptable File Formats is available on www.ferc.gov).

1. The statements, schedules, workpapers, and supporting data listed in subpart D of Part 154 of the Commission's regulations must be reported electronically according to these instructions. Generally, the information is ordered in columns and rows, it should be filed in a spreadsheet format.

The electronic filing requirement is not limited to a company's initial filing under subpart D. All tariff and report filings pursuant to Part 154 must be filed electronically, including when moving suspended rates into effect, must be submitted electronically consistent with the requirement of § 154.4 of the Commission's regulations.

2. All spreadsheet "pages" with the same columnar headings should be saved together in a single file. However, a filing company may save individual pages in separate files at the company's election.
3. The file naming convention should follow the instructions for the **Attachment Document File Name** data element. Those instructions are available in the *Guide for Electronic Filing of Parts 35, 154, 284, 300, and 341 Tariff Filings'* data dictionary, available on www.ferc.gov.

The file extension should indicate the format of the file. A tab-delimited file must contain the extension TAB. An ASCII file must contain the extension ASC. Files submitted in the proprietary format of the software used to create the file must contain the extension commonly associated with the software. For example, a file created in EXCEL would have a file extension of XLS.

4. Report data as directed in subpart D of Part 154.
5. All fields must adhere to the following conventions for coding data on the electronic filing:
 - A. Numeric items do not require leading zeros, unless otherwise noted. Use a single "0" to report a zero value.
 - B. Indicate negative amounts with a "-" sign preceding the first nonzero digit reported or with parentheses encompassing the number. Avoid using parentheses to enclose a number in a text field, such as in a column heading for column identification, (1), (2), (3), etc.
 - C. Do not include units (Dth) in reporting any numeric value. Include units in the title, in a column designated for that purpose, in the row description, or column heading as demonstrated in the section entitled "Templates Applicable to Specific Statements and Schedules." It is preferable to exclude quotation marks (") when reporting data, unless they are necessary under the rules of grammar. Do not use commas or units (\$, Dth) when reporting any numeric value on Statements G-1, G-2, or G-3. Include units in the title or column headings.
5. For ASCII data, whether delimited or not, the pipeline must use the standard ASCII character set. There are a few symbols which are commonly available in commercial software which are not included in the standard ASCII character set. A few are listed below:

Character Description

¢	cent
!	bullet
¶	paragraph
§	section
©	copyright
®	registered trademark
™	trademark
½,¼	common fractions

Where necessary, respondents should spell out the name of the symbol they would otherwise use.

When saving a file into ASCII representation, be aware that all special coding will be lost. Shading,

underlining, bolding, text colors and other formatting characteristics are lost in the transition. Prepare your files with this in mind.

6. Source of Codes.

The abbreviations for the schedule and statement names to be used in the file name are contained in Appendix A.

II. ELECTRONIC FILING FORMAT

Submission of spreadsheets in native file format is preferred for Statements A through M, including related schedules. The statements' and schedules' organizational format must be consistent with the templates specified in these instructions under "Templates Applicable to Specific Statements and Schedules." Statements O and P may use any electronic format that renders text, graphics, spreadsheets or data bases that the Commission accepts (the list of FERC Acceptable File Formats is available on www.ferc.gov).

If spreadsheet format is not available, certain statements and schedules may be filed in "TAB" delimited format or in flat ASCII files. The appropriate format to use for each statement or schedule is listed below. The statements' and schedules' organizational format must be consistent with the templates specified in these instructions under "Templates Applicable to Specific Statements and Schedules."

If no template is provided, the spreadsheet organization must meet the general requirements of these instructions but otherwise may be organized as the pipeline wishes.

The pipeline may include material in its filing which does not fit within the definitions of the statements and schedules listed below, for example requests for disposition of the costs of stranded facilities. In that case, the pipeline must label the additional material as a statement using a letter not already in use, for example, Statement R. The format of the file depends on the content of the additional material. If the additional material consists of tabular material, the file must be in spreadsheet or data base format.

If the additional material is narrative text, the file should be a text file format such as "DOCX" or "PDF".

If a statement or schedule does not apply, a pipeline may include a narrative so stating. The narrative should be in a text file format such as "DOCX" or "PDF". Use the file name otherwise applicable to the statement or schedule being omitted.

If a table of contents for the entire filing is included, provide it in the document named "Transmittal Letter" or a file named Contents. This file should be in a text file format such as "DOCX" or "PDF".

Filing in TAB Delimited Format

If spreadsheet format is not available, the following filing formats apply to the statements and schedules named in section 154.312:

	<u>Statement Name</u>	<u>Format of File</u>
Statement A,	Cost of Service Summary	Tab-delimited ASCII file
Statement B,	Rate Base and Return Summary	Tab-delimited ASCII file
Schedule B-1,	Accumulated Deferred Income Taxes	Tab-delimited ASCII file
Schedule B-2,	Regulatory Asset and Liability	Tab-delimited ASCII file
Statement C,	Cost of Plant Summary	Tab-delimited ASCII file
Schedule C-1,	End of Base and Test Period Plant Functionalized	Tab-delimited ASCII file
Schedule C-2,	Work Orders	Tab-delimited ASCII file
Schedule C-3,	Storage Data	Tab-delimited ASCII file
Schedule C-4,	Methods and Procedures for Capitalizing AFUDC	ASCII flat file or tab- delimited file
Schedule C-5,	Gas Plant in Service not used for Gas Service	Tab-delimited ASCII file
Statement D,	Accumulated Provisions for Depreciation, Depletion, and Amortization	Tab-delimited ASCII file

Schedule D-1,	Depreciation Reserve Book Balance Workpaper	Tab-delimited ASCII file
Schedule D-2,	Methods and Procedures for Depreciating, Depleting, and Amortizing Plant	ASCII flat file or tab- delimited file
Statement E,	Working Capital	Tab-delimited ASCII file
Schedule E-1,	Computation of Cash Working Capital Adjusting Rate Base	Tab-delimited ASCII file
Schedule E-2,	Materials, Supplies, and Prepayments	Tab-delimited ASCII file
Schedule E-3,	Storage Inputs, Outputs, and Balances	Tab-delimited ASCII file
Statement F-1,	Rate of Return Claimed	ASCII flat file or tab- delimited file
Statement F-2,	Capitalization and Rate of Return	Tab-delimited ASCII file
Statement F-3,	Debt Capital	Tab-delimited ASCII file
Statement F-4,	Preferred Stock Capital	Tab-delimited ASCII file
Statement G,	Revenues, Credits, and Billing Determinants Summary (filed with initial filing)	Tab-delimited ASCII file
Schedule G-1,	Base Period Revenues	Tab-delimited ASCII file
Schedule G-2,	Adjustment Period Revenues	Tab-delimited ASCII file

Schedule G-3,	Adjustments to Base Period Actual Billing Determinants	Tab-delimited ASCII file
Schedule G-4,	At-Risk Revenue	Tab-delimited ASCII file
Schedule G-5,	Other Revenues (Accounts 490-495)	Tab-delimited ASCII file
Schedule G-6,	Miscellaneous Revenues (Penalties, Cash-outs, and Exit Fees)	Tab-delimited ASCII file

Schedules G-1 through G-6 are filed 15 days subsequent to the initial filing

Statement H-1,	Operation and Maintenance Expense	Tab-delimited ASCII file
Schedule H-1(1), Schedule H-1(1)(a),	Labor Costs	Tab-delimited ASCII file
Schedule H-1(1)(b),	Materials and Other Charges	Tab-delimited ASCII file
Schedule H-1(1)(c),	Quantities Associated with Accounts 810, 811, and 812	Tab-delimited ASCII file
Schedule H-1(2), Schedule H-1(2)(a),	Accounts 806, 808.1, 808.2, 809.1, 809.2, 813, 823, and Other Accounts Recording Fuel Use or Losses	Tab-delimited ASCII file
Schedule H-1(2)(b),	Accounts 913 and 930.1, Advertising Expenses	Tab-delimited ASCII file
Schedule H-1(2)(c),	Account 921, Office Supplies and Expenses	Tab-delimited ASCII file

Schedule H-1(2)(d), Account 922, Administrative Expenses Transferred - Credit	Tab-delimited ASCII file
Schedule H-1(2)(e), Account 923, Outside Services Employed	Tab-delimited ASCII file
Schedule H-1(2)(f), Account 926, Employee Pensions and Benefits	Tab-delimited ASCII file
Schedule H-1(2)(g), Account 928, Regulatory Commission Expenses	Tab-delimited ASCII file
Schedule H-1(2)(h), Account 929, Duplicate Charges	Tab-delimited ASCII file
Schedule H-1(2)(i), Account 930.2, Miscellaneous General Expenses	Tab-delimited ASCII file
Schedule H-1(2)(j), Intercompany and Interdepartmental Transactions	Tab-delimited ASCII file
Schedule H-1(2)(k), Lease Payments	Tab-delimited ASCII file
Statement H-2, Depreciation, Depletion, Amortization, and Negative Salvage Expenses	Tab-delimited ASCII file
Schedule H-2(1), Depreciable Plant Reconciliation	Tab-delimited ASCII file
Statement H-3, Income Taxes	Tab-delimited ASCII file
Schedule H-3(1), State Income Taxes	Native Application Format*
Schedule H-3(2), Reconciliation between Book and Tax Depreciable Plant	Tab-delimited ASCII file

Statement H-4,	Other Taxes	Tab-delimited ASCII file
Schedule H-4,	Tax Adjustments	Tab-delimited ASCII file
Statement I		
Schedule I-1,	Functionalization of Cost of Service	Native Application Format*
Schedule I-1(a),	Cost of Service by Function of Facility	Native Application Format*
Schedule I-1(b),	Incremental and Non-Incremental Facilities	Native Application Format*
Schedule I-1(c),	Costs Separated by Zone	Native Application Format*
Schedule I-1(d),	Allocation Method of Common and Joint Costs	Native Application Format*
Schedule I-2,	Classification of Cost of Service	Native Application Format*
Schedule I-3,	Allocation of Cost of Service	Native Application Format*
Schedule I-4,	Transmission and Compression of Gas by Others - Account 858	Native Application Format*
Schedule I-5,	Gas Balance	Native Application

Statement J,	Comparison and Reconciliation of Estimated Operating Revenues with Cost of Service	Format* Native Application Format*
Schedule J-1,	Summary of Billing Determinants	Native Application Format*
Schedule J-2,	Derivation of Rates	Native Application Format*
Statement L,	Balance Sheet	ASCII flat file or tab- delimited file
Statement M,	Income Statement	ASCII flat file or tab- delimited file
Statement O,	Description of Company Operations	Text file format
Statement P,	Explanatory Text and Prepared Testimony	Text file format

Exhibits to testimony should be in ASCII flat file or tab-delimited ASCII file format depending on the nature of the exhibit. Use a tab-delimited format if the exhibit is in tabular form. Use a text file format such as "DOCX" or "PDF" if the material is mostly text.

The following filing formats apply, as noted, to the statements and schedules named in section 154.313:

Schedule A,	Overall Cost of Service by Function	Tab-delimited ASCII file
-------------	-------------------------------------	--------------------------

Schedule B,	Overall Rate Base and Return	Tab-delimited ASCII file
Schedule B-1,	Accumulated Deferred Income Taxes	Tab-delimited ASCII file
Schedule B-2,	Regulatory Asset and Liability	Tab-delimited ASCII file
Schedule C,	Cost of Plant by Function	Tab-delimited ASCII file
Schedule D,	Accumulated Provisions for Depreciation, Depletion, Amortization, and Abandonment	Tab-delimited ASCII file
Schedule E,	Working Capital	Tab-delimited ASCII file
Schedule F,	Rate of Return	Tab-delimited ASCII file
Schedule G,	Revenues and Billing Determinants	Tab-delimited ASCII file
Schedule G-1,	Adjustment Period Revenues	Tab-delimited ASCII file
Schedule H,	Operation and Maintenance Expenses	Tab-delimited ASCII file
Schedule H-1	Workpapers for Expense Accounts	Tab-delimited ASCII file
Schedule H-2	Depreciation, Depletion, Amortization, and Negative Salvage Expenses	Tab-delimited ASCII file
Schedule H-3,	Income Tax Allowances Computed on the Basis of the Rate of Return Claimed	Tab-delimited ASCII file
Schedule H-3 (1),	Reconciliation between Book and Tax Depreciable Plant	Tab-delimited ASCII file
Schedule H-4,	Other Taxes	Tab-delimited ASCII file

- * Native application refers to the software used to create the file. When a file is submitted in native application format it is submitted in the format of the software used to create the file. For example, if the file is created in Microsoft Excel 2010, submit the file in an Excel format, generally denoted by an extension of XLSX. All files submitted in native application format must be saved and filed using one of the Commission's accepted electronic document file formats. The list of FERC Acceptable File Formats is available on www.ferc.gov.

1. TAB-DELIMITED FILES

The "TAB" delimiter is an ASCII 9 - decimal or 09 - hexadecimal character. Each logical record in the TAB delimited and ASCII flat files should be terminated by a carriage return (CR) character (ASCII character - 13 decimal, 0D - hexadecimal) and line feed (LF) character (ASCII character 10 - decimal, 0A - hexadecimal). These characters together are denoted as a hard return <hrt> and are entered on the record by pressing the "Enter" key. An example of a tab-delimited file format is provided in Section VII.

The following instruction regarding "TAB" delimited files is very important:

It is imperative the respondent realizes that the "TAB" characters are as important as the actual data coded onto the record. Without the correct "TAB" characters on the record to locate and distinguish separate data fields, the file cannot be processed correctly. The respondent must be careful not to create the "TAB" delimited records by using a software program which either does not accurately enter "TAB" characters as separators or which merely converts the "TAB" characters the user enters into equivalent space characters (ASCII 0 - decimal or 00 - hexadecimal).

When preparing a spreadsheet to be converted to a tab-delimited file, do not use special features of the software which will not translate into a tab-delimited format. For example, do not use the text box feature available in Excel. Further, make sure that your spreadsheet columns are wide enough to display all numbers. If the column width is insufficient, only the characters "***" will be displayed. When saved as a tab-delimited file the *** will be saved instead of the value.

2. ASCII FLAT FILES

Any file saved as an ASCII flat file may also be filed in another format. For example, the pipeline may submit the file in native application format, PDF, or Rich Text Format (RTF).

3. GRAPHIC MATERIAL

To the greatest extent possible, all material in the rate filing should be presented in ASCII characters.

Where necessary, alternative presentations in ASCII should be used for non-ASCII characters. For example, exponentiation can be displayed using the convention X**Y, to represent the number

X taken to the power Y. The square root of a number can be displayed using $X^{1/2}$ or X taken to the power 1/2.

Where the original file contains an embedded graphic already in the file form, BMP (Bitmap), GIF (Graphic Interchange Format), or JPEG (Joint Photographic Experts Group), enter a note in the ASCII file where the graphic appears stating the graphic is in an accompanying file and provide the file name. File the BMP, GIF, JPEG or PDF (Portable Document Format) file in addition to the ASCII file.

III. SPECIFIC INSTRUCTIONS

The following instructions refer to the statements and schedules named in §§ 154.312 and 154.313 of the Commission's regulations.

The statements required by §§ 154.312 must show all costs (investment, operation, maintenance, depreciation, and taxes) that have been allocated to the natural gas operations involved in the subject rate change and are associated with joint facilities. The methods used in making such allocations must be provided.

If the company maintains records of costs by zone, and proposes a zone rate methodology based on those costs, the statements and schedules in § 154.312 must reflect costs detailed by zone.

A company may choose to reflect the costs for joint facilities and zones and all allocations in Statement I. If a company makes the choice to reflect these costs in Statement I, all costs must be presented in the schedules in Statement I to enable reconciliation with the other statements in the filing.

COMPOSITION OF SCHEDULES FOR MAJOR RATE CHANGES.

STATEMENT A. COST-OF-SERVICE SUMMARY.

Summarize the overall gas utility cost-of-service: operation and maintenance expenses, depreciation, taxes, credits to cost-of-service, and return as developed in other statements and schedules.

STATEMENT B. RATE BASE AND RETURN SUMMARY.

Summarize the overall gas utility rate base shown in Statements C, D, E, and Schedules B-1 and B-2. Show the application of the claimed rate of return to the overall rate base.

SCHEDULE B-1. ACCUMULATED DEFERRED INCOME TAXES (Account Nos. 190, 282, and 283)

Show monthly book balances of accumulated deferred income taxes, by account and by month, for each of the 12 months during the base period. In adjoining columns, show adjustment period additions and reductions and the total adjusted balance. Separately identify the individual components and

the amounts in these accounts that the company seeks to include in its rate base.

SCHEDULE B-2. REGULATORY ASSET AND LIABILITY.

If the pipeline seeks recovery of such balances in rate base, show monthly book balances of regulatory assets (Account 182.3) and liabilities (Account 254) for each of the 12 months during the base period. In adjoining columns, show additions and reductions for the adjustment period balance and the total adjusted balance. Separately identify the individual components and the amounts in these accounts that the company seeks to include in its rate base. Identify any specific Commission authority that required the establishment of these amounts.

STATEMENT C. COST OF PLANT SUMMARY.

Show the amounts of gas utility plant classified by Accounts 101, 102, 103, 104, 105, 106, 107, 117.1, and 117.2 as of the beginning of the 12 months of actual experience, the book additions and reductions (in separate columns) during the 12 months, and the book balances at the end of the 12-month period. In adjoining columns, show the claimed adjustments, if any, to the book balances and the total cost of plant to be included in rate base. Explain all adjustments in Schedules C-1, C-2, C-3, C-4, and C-5.

SCHEDULE C-1. END OF BASE AND TEST PERIOD PLANT FUNCTIONALIZED.

Demonstrate the ending base and test period balances for Plant in Service, in columnar form, by detailed plant account with subtotals by functional classifications, e.g., Intangible Plant, Natural Gas Production and Gathering Plant, Products Extraction Plant, Storage Plant, Transmission Plant, and General Plant. Show plant by zones, to the extent required by § 154.310, and for each expansion, to the extent required by § 154.309. Separately identify those facilities and associated costs claimed for the test period that require certificate authority but such authority has not been obtained at the time of filing. Give the docket number of the certificate proceeding.

SCHEDULE C-2. WORK ORDERS.

Show, for Accounts 106 and 107, a list of work orders claimed in the rate base. In adjacent columns, give the work order number, docket number, description, amount of each work order, and the amounts of each type of undistributed

construction overhead. Work orders amounting to \$500,000 or less may be grouped by category of items.

SCHEDULE C-3. STORAGE DATA.

A cross-reference to updated information in the company's FERC Form No. 2 may be substituted for this schedule. Give details of each storage project owned and storage projects under contract to the company, showing cost by major functions. Show base and system gas storage quantities and associated costs by account and subaccount for the 12 months of actual experience with monthly inputs and outputs to system gas. Show separately any proposed adjustments and provide the adjusted totals by account and subaccount. State the method used for accounting for system gas recorded in Account No. 117.2.

SCHEDULE C-4. METHODS AND PROCEDURES FOR CAPITALIZING AFUDC.

This schedule is part of the workpapers. State the methods and procedures followed in capitalizing the allowance for funds used during construction and other construction overheads. This schedule must be provided only in situations when the pipeline has changed any of its procedures since the last filed FERC Form Nos. 2 or 2-A.

SCHEDULE C-5. GAS PLANT IN SERVICE NOT USED FOR GAS SERVICE.

This schedule is part of the workpapers. Set forth, by account, the cost of Plant in Service carried on the company's books as gas utility plant which was not being used in rendering gas service. Describe the plant. This schedule must be provided only if there is a significant change of \$500,000 or more since the end of the year reported in the company's last FERC Form Nos. 2 or 2-A.

STATEMENT D. ACCUMULATED PROVISIONS FOR DEPRECIATION, DEPLETION, AND AMORTIZATION.

Show the accumulated provisions for depreciation, depletion, amortization, and abandonment (Account 108, detailed by functional plant classification, and Account 111), as of the beginning of the 12 months of actual experience, the book additions and reductions during the 12 months, and the balances at the end of the 12-month period. In adjoining columns, show adjustments to these ending book balances and the total adjusted balances. All adjustments must be explained in the supporting material. For each functional plant classification, show depreciation reserve associated with offshore and onshore plant separately. Schedules D-1,

D-2, and any additional material must be submitted as part of Statement D.

SCHEDULE D-1. DEPRECIATION RESERVE BOOK BALANCE WORKPAPER.

This schedule is part of the workpapers. Show the depreciation reserve book balance applicable to that portion of the depreciation rate not yet approved by the Commission, the depreciation rates, the docket number of the order approving such rate, and an explanation of any difference.

SCHEDULE D-2. METHODS AND PROCEDURES FOR DEPRECIATING, DEPLETING AND AMORTIZING PLANT.

This schedule is part of the workpapers. Give a description of the methods and procedures used in depreciating, depleting, and amortizing plant and in recording abandonments. This schedule must be filed only if a policy change has been made effective since the period covered by the last annual report on FERC Form Nos. 2 or 2-A.

STATEMENT E. WORKING CAPITAL.

Show the components of working capital in sufficient detail to explain how the amount of each component was computed. Components of working capital, other than cash working capital, may include an allowance for the average of 13 monthly balances of materials and supplies and prepayments actually expended and gas for resale. To the extent the applicant files to adjust the average of any 13 monthly balances, workpapers must be submitted that support the adjustment(s). Show the computations, cross-references, and sources from which the data used in computing claimed working capital are derived. Schedules E-1, E-2, E-3, and other material must be submitted as part of Statement E.

SCHEDULE E-1. COMPUTATION OF CASH WORKING CAPITAL ADJUSTING RATE BASE.

Show the computation of cash working capital claimed as an adjustment to the gas company's rate base. Any adjustment to rate base requested must be based on a fully-developed and reliable lead-lag study. The components of the lead-lag study must include actual total company revenues, purchased gas costs, storage expense, transportation and compression of gas by others, salaries and wages, administrative and general expenses, income taxes payable, taxes other than income taxes, and any other operating and maintenance expenses for the base period. Cash working capital allowances in the form of

additions to rate base may not exceed one-eighth of the annual operating expenses, as adjusted, net of non-cash items.

Include as part of this schedule a summary schedule showing the components of the lead-lag study, the net lead or lag working capital factor and the resulting cash working capital amounts by component and in total. Workpapers supporting the calculation of the working capital factors for each component must be included. Provide a separate schedule demonstrating that the claimed allowance does not exceed one-eighth of annual operating expenses, net of non-cash items.

SCHEDULE E-2. MATERIALS, SUPPLIES, AND PREPAYMENTS.

Set forth 13 monthly balances for materials and supplies inventory and prepayments in separate columns and in such detail as to disclose, either by subaccounts regularly maintained on the books or by analysis of the principal items included in the main account, the nature of such charges. Show the average balance and any adjustments to the average balance, and explain all adjustments.

SCHEDULE E-3. STORAGE INPUTS, OUTPUTS, AND BALANCES.

For FERC Accounts 117.3, 164.1, 164.2 and 164.3, show the quantities and the respective costs of natural gas stored, by storage field and in total, at the beginning of the test period, the input, output and balance remaining in Dth and associated unit and total costs by month for 13 months and the average balance. The method of pricing input, output and balance, and the claimed adjustments shall be disclosed and clearly and fully explained. Pipelines using the inventory method for system gas should not include any system gas inventory balances in this schedule.

STATEMENT F-1. RATE OF RETURN CLAIMED.

Show the percentage rate of return claimed and explain the general reasons therefor.

STATEMENT F-2. CAPITALIZATION AND RATE OF RETURN.

Show:

- (1) the capitalization, capital structure, cost of debt capital, preferred stock capital, and the claimed return on stockholders' equity;
- (2) the weighted cost of each capital class based on the capital structure; and,

- (3) the overall rate of return claimed.

STATEMENT F-3. DEBT CAPITAL.

Show the weighted average cost of debt capital based upon the following data for each class and series of long-term debt outstanding according to the balance sheet, as of the end of the 12-month base period of actual experience and as of the end of the 9-month test period.

- (1) Title.
- (2) Date of issuance and date of maturity.
- (3) Interest rate.
- (4) Principal amount of issue: Gross proceeds; Underwriters' discount or commission: Amount; Percent gross proceeds; Issuance expense: Amount; Percent gross proceeds; Net proceeds; Net proceeds per unit.
- (5) Cost of money: Yield to maturity based on the interest rate and net proceeds per unit outstanding determined by reference to any generally accepted table of bond yields. The yield to maturity is to be expressed as a nominal annual interest rate. For example, for bonds having semiannual payments, the yield to maturity is twice the semiannual rate.
- (6) If the issue is owned by an affiliate, state the name and relationship of the owner.
- (7) If the filing company has acquired, at a discount or premium, some part of its outstanding debt which could be used in meeting sinking fund requirements, or for other reasons, separately show: the annual amortization of the discount or premium for each series of debt from the date of reacquisition over the remaining life of the debt being retired; and, the total discount and premium, as a result of such amortization, applicable to the test period.

STATEMENT F-4. PREFERRED STOCK CAPITAL.

Show the weighted average cost of preferred stock capital based upon the following data for each class and series of preferred stock outstanding according to the balance sheet, as

of the end of the 12-month base period of actual experience and as of the end of the nine-month test period.

- (1) Title.
- (2) Date of issuance.
- (3) If callable, call price.
- (4) If convertible, terms of conversion.
- (5) Dividend rate.
- (6) Par or stated amount of issue: Gross proceeds; Underwriters' discount or commission: Amount; Percent gross proceeds; Issuance expenses: Amount; Percent gross proceeds; Net proceeds; Net proceeds per unit.
- (7) Cost of money: Annual dividend rate divided by net proceeds per unit.
- (8) State whether the issue was offered to stockholders through subscription rights or to the public.
- (9) If the issue is owned by an affiliate, state the name and relationship of the owner.

STATEMENT G. REVENUES, CREDITS, AND BILLING DETERMINANTS.

Show in summary format the information requested below on revenues, credits and billing determinants for the base period and as adjusted. Explain the basis for each adjustment. The level of billing determinants should not be adjusted for discounting.

- (i) Revenues. Provide the total revenues, from jurisdictional and non-jurisdictional services, classified in accordance with the Commission's Uniform System of Accounts for the base period and as adjusted. Separate operating revenues by major rate component (e.g., reservation charges, demand charges, usage charges, commodity charges, injection charges, withdrawal charges, etc.) from revenues received from penalties, surcharges or other sources (e.g., ACA, GRI, transition costs). Show revenues by rate schedule and by receipt and delivery rate zones, if applicable. Show separately the revenues for firm services under contracts with a primary term of less than one year.

For services provided through released capacity, identify total revenues by rate schedule and by receipt and delivery rate zones, if applicable.

(ii) Credits. Show the principal components comprising each of the various items which are reflected as credits to the cost-of-service in preparing Statement A, Overall Cost- of-service for the base period and as adjusted. Any transition cost component of interruptible transportation revenue must not be treated as operating revenues as defined above.

(iii) Billing Determinants. Show total reservation and usage billing determinants for the base period and as adjusted, by rate schedule by receipt and delivery rate zones, if applicable. Show separately the billing determinants for firm services under contracts with a primary term of less than one year. For services provided through released capacity, identify billing determinants by rate schedule and by receipt and delivery rate zones, if applicable.

NOTE: Schedules G-1 through G-6 must be filed at the Commission and served on all state commissions having jurisdiction over the affected customers within fifteen days after the rate case is filed. Schedules G-1 through G-6 must also be served on parties that request such service within 15 days of the filing of the rate case.

SCHEDULE G-1. BASE PERIOD REVENUES.

For the base period:

- (1) Show total actual revenues and billing determinants by month by customer name, by rate schedule, by receipt and delivery zone, if applicable, by major rate component (e.g., reservation charges) and totals.
- (2) Billing determinants must not be adjusted for discounting.
- (3) Provide actual throughput (i.e., usage or commodity quantities, unadjusted for discounting) and actual contract demand levels (unadjusted for discounting). Provide this information separately for firm service under contracts with a primary term of less than one year.

- (4) Separate operating revenues from revenues received from surcharges or other sources (e.g., ACA, GRI, transition costs). Identify customers who are affiliates.
- (5) Identify rate schedules under which costs are allocated and rate schedules under which revenues are credited for the base period with cross-references to the other filed statements and schedules.

SCHEDULE G-2. ADJUSTMENT PERIOD REVENUES.

A:

- (1) Show revenues and billing determinants by month, by customer name, by rate schedule, by receipt and delivery zone, if applicable, by major rate component (e.g., reservation charges) and totals for the base period adjusted for known and measurable changes which are expected to occur within the adjustment period computed under the rates expected to be charged.
- (2) Billing determinants must not be adjusted for discounting.
- (3) Provide projected throughput (i.e., usage or commodity quantities, unadjusted for discounting) and projected contract demand levels (unadjusted for discounting). Provide this information separately for firm service under contracts with a primary term of less than one year.
- (4) Separate operating revenues from revenues received from surcharges or other sources (e.g., ACA, GRI, transition costs).
- (5) Identify customers who are affiliates.
- (6) Identify rate schedules under which costs are allocated and rate schedules under which revenues are credited for the adjustment period with cross-references to the other filed statements and schedules.

B: Provide a reconciliation of the base period revenues and billing determinants and the revenues and billing determinants for the base period as adjusted.

SCHEDULE G-3. ADJUSTMENTS TO BASE PERIOD ACTUAL BILLING DETERMINANTS.

Specify, quantify, and justify each proposed adjustment (capacity release, plant closure, contract termination, etc.) to base period actual billing determinants, and provide a detailed explanation for each factor contributing to the adjustment. Include references to any certificate docket authorizing changes. Submit workpapers with all formulae.

SCHEDULE G-4. AT-RISK REVENUE.

For each instance where there is a separate cost-of-service associated with facilities for which the applicant is "at risk":

- (1) Show the base period and adjustment period revenue by customer or customer code, by rate schedule, by receipt and delivery zone, if applicable, and as 12-month totals.
- (2) Provide this information by month unless otherwise agreed to by interested parties and if monthly reporting is consistent with past practice of the pipeline. However, if seasonal services are involved, or if billing determinants vary from month to month, the information must be provided monthly.
- (3) Provide projected throughput (i.e., usage or commodity quantities, unadjusted for discounting) and projected contract demand levels (unadjusted for discounting).

SCHEDULE G-5. OTHER REVENUES.

(A) Describe and quantify, by month, the types of revenue included in Account Nos. 490-495 for the base and test periods. Show revenues applicable to the sale of products. Show the principal components comprising each of the various items which are reflected as credits to the cost-of-service in Statement A.

(B) To the extent the credits to the cost-of-service reflected in Statement A differ from the amounts shown on Schedule G-5:

- (i) compare and reconcile the two statements.
- (ii) Quantify and explain each proposed adjustment to base period actuals. For Account No. 490, show the name and location of each product extraction plant processing gas for the

applicant, and the inlet and outlet monthly Dth of the pipeline's gas at each plant.

(iii) Show the revenues received by the applicant by product by month for each extraction plant for the base period and proposed for the test period.

(C) Separately state each item and revenue received for the transportation of liquids, liquefiable hydrocarbon, or non-hydrocarbon constituents owned by shippers. For both the base and test periods, indicate by shipper contract: the quantity transported and the revenues received.

(D) Separately state the revenues received from the release by the pipeline of transportation and compression capacity it holds on other pipeline systems. The revenues must equal the revenues reflected on Schedule I-4(iv).

SCHEDULE G-6. MISCELLANEOUS REVENUES.

Separately state by month and in total the base and adjustment period revenues and the associated quantities received as penalties from jurisdictional customers; the revenues received from cash outs and other imbalance adjustments; and, the revenues received from exit fees.

STATEMENT H-1. OPERATION AND MAINTENANCE EXPENSES.

Show the gas operation and maintenance expenses according to each applicable account of the Commission's Uniform System of Accounts for Natural Gas Companies. Show the expenses under columnar headings, with subtotals for each functional classification, as follows: Operation and maintenance expense by months, as booked, for the 12 months of actual experience, and the 12-month total; adjustments, if any, to expenses as booked; and, total adjusted operation and maintenance expenses. Provide a detailed narrative explanation of, and the basis and supporting workpapers for, each adjustment. The following schedules and additional material must be submitted as part of Statement H-1:

(1) Schedule H-1 (1). Expenses in Accounts 810, 811, and 812.

This schedule is part of the workpapers. Show the labor costs, materials, and other charges (excluding purchased gas costs) and expenses associated with Accounts 810, 811,

and 812 recorded in each gas operation and maintenance expenses account of the Uniform System of Accounts. Show these expenses, under the columnar headings, with subtotals for each functional classification, as follows: operation and maintenance expenses by month, as booked, for the 12 months of actual experience, and the 12 month total; adjustments, if any, to expenses as booked; and total adjusted operation and maintenance expenses. Disclose and explain all accruals on the books at the end of the base period or other normalizing accounting entries for internal purposes reflected in the monthly expenses presented per book. Explain any amounts not currently payable, except depreciation charged through clearing accounts, included in operation and maintenance expenses.

(2) Schedule H-1 (1)(a). Labor Costs.

(3) Schedule H-1 (1)(b). Materials and Other Charges (Excluding Purchased Gas Costs and items shown in Schedule H-1 (1)(c)).

(4) Schedule H-1 (1)(c). Quantities Applicable to Accounts Nos. 810, 811, and 812. Show the quantities for each of the contra-accounts for both base and test periods.

Schedule H-1 (2). This schedule is part of the workpapers. In each of the following schedules show, for the 12 months of actual experience and claimed adjustments: a classification of principal charges, credits and volumes; particulars of supporting computations and accounting bases; a description of services and related dollar amounts for which liability is incurred or accrued; and, the name of the firm or individual rendering such services. Expenses reported in Schedules H-1 (2)(a) through H-1(2)(k) of \$100,000 or less per type of service may be grouped.

(1) Schedule H-1 (2)(a). Accounts 806, 808.1, 808.2, 809.1, 809.2, 813, 823, and any other account used to record fuel use or gas losses. Provide details of each type of expense.

(2) Schedule H-1 (2)(b). Accounts 913 and 930.1. Advertising Expenses. Disclose cost of principal types of advertising such as TV, newspaper, etc., by type and by account.

(3) Schedule H-1(2)(c). Account 921. Office Supplies and Expenses.

(4) Schedule H-1(2)(d). Account 922. Administrative Expenses Transferred Credit.

(5) Schedule H-1(2)(e). Account 923. Outside Services Employed.

(6) Schedule H-1(2)(f). Account 926. Employee Pensions and Benefits

(7) Schedule H-1(2)(g). Account 928. Regulatory Commission Expenses.

(8) Schedule H-1(2)(h). Account 929. Duplicate Charges. Credit.

(9) Schedule H-1(2)(i). Account 930.2. Miscellaneous General Expenses.

(10) Schedule H-1(2)(j). Intercompany and Interdepartmental Transactions. Provide a complete disclosure of all corporate overhead costs allocated to the company. If the expense accounts contain charges or credits to and from associated or affiliated companies or nonutility departments of the company, submit a schedule, or schedules, as to each associated or affiliated company or nonutility department showing:

(i) The amount of the charges, or credits, during each month and in total for the base period and the adjustment period.

(ii) The FERC Account Number charged (or credited).

(iii) Descriptions of the specific services performed for, or by, the associated/affiliated company or nonutility department.

(iv) The bases used in determining the amounts of the charges (credits). Explain and demonstrate the derivation of the allocation bases with underlying calculations used to allocate costs among affiliated companies, and identify (by account number) all costs paid to, or received from affiliated companies which are included in a pipeline's cost-of-service for both the base and test periods.

(11) Schedule H-1(2)(k). Show all lease payments applicable to gas operation contained in the operation and maintenance accounts, by accounts. Leases of \$500,000 or less may be grouped by type of lease.

STATEMENT H-2. DEPRECIATION, DEPLETION, AMORTIZATION AND NEGATIVE SALVAGE EXPENSES.

Show, separately, the gas plant depreciation, depletion, amortization, and negative salvage expenses by functional classifications. For each functional plant classification, show depreciation associated with offshore and onshore plant separately. Show, in separate columns: expenses for the 12 months of actual experience; adjustments, if any, to such expense; and, the total adjusted expense claimed. Explain the bases, methods, essential computations, and derivation of unit rates for the calculation of depreciation, depletion, and amortization expense for the 12 months of actual experience and for the adjustments. The amounts of depreciable plant must be shown by the functions specified in paragraph C of Account 108, Accumulated Provisions for Depreciation of Gas Utility Plant, and Account 111, Accumulated Provision for Amortization and Depletion of Gas Utility Plant, of the Commission's Uniform System of Accounts for Natural Gas Companies, and, if available, for each detailed plant account (300 Series) together with the rates used in computing such expenses. Explain any deviation from the rates determined to be just and reasonable by the Commission. Show the rate or rates previously used together with supporting data for the new rate or rates used for this filing. Schedule H-2(1) and additional material must be submitted as a part of Statement H-2.

SCHEDULE H-2(1). DEPRECIABLE PLANT.

Reconcile the depreciable plant shown in Statement H-2 with the aggregate investment in gas plant shown in Statement C, and the expense charged to other than prescribed depreciation, depletion, amortization, and negative salvage expense accounts. Identify the amounts of plant costs and associated plant accounts used as the bases for depreciation expense charged to clearing accounts. For each functional plant classification, show depreciable plant associated with offshore and onshore plant separately .

STATEMENT H-3. INCOME TAXES.

Show the computation of allowances for Federal and State income taxes for the test period based on the claimed return applied to the overall gas utility rate base. To indicate the

accounting classification applicable to the amount claimed, the computation of the Federal income tax allowance must show, separately, the amounts designated as current tax and deferred tax. Schedules H-3(1) and H-3(2) and additional material must be submitted as a part of Statement H-3.

SCHEDULE H-3(1). STATE INCOME TAXES.

This schedule is part of the workpapers. Show the calculation of the income tax paid each State in the current and/or previous year covered by the test period.

SCHEDULE H-3(2). RECONCILIATION BETWEEN BOOK AND TAX DEPRECIABLE PLANT.

This schedule is part of the workpapers. Show the computation of an updated reconciliation between book depreciable plant and tax depreciable plant and accumulated provision for deferred income taxes, for the base period or latest calendar or fiscal year (depending on the company's reporting period). Any regulatory asset or liability related to deferred income taxes, net of deferred tax amounts, should be included in this reconciliation. Also, separately state the gross amounts of the regulatory asset or liability.

STATEMENT H-4. OTHER TAXES.

This schedule is part of the workpapers. Show the gas utility taxes, other than Federal or state income taxes, by state and by type of tax, in separate columns, as follows: Tax expense per books for the 12 months of actual experience (separately identify the amounts expensed or accrued during the period); adjustments, if any, to amounts booked; and, the total adjusted taxes claimed. Show the kind and amount of taxes paid under protest or in connection with taxes under litigation.

SCHEDULE H-4. TAX ADJUSTMENTS.

Show the computations of adjustments to taxes claimed in Statement H(4), and provide explanations for all adjustments.

Schedule I-1. Functionalization of Cost-of-service.

Show the overall cost-of-service contained in Statement A as supported by Statements B, C, D, E, G (revenue credits), and H, in total and by function, with a separate column for each function.

SCHEDULE I-1(A). COST OF SERVICE BY FUNCTION OF FACILITY.

Show a separate overall cost-of-service for each function of the pipeline. Put the cost-of-service for each function on a separate worksheet. To the extent that the information required by this Schedule I-1(A) is already provided in Schedule I-1, Schedule I-1(A) does not have to be provided.

SCHEDULE I-1(B). INCREMENTAL AND NON-INCREMENTAL FACILITIES.

Separate the costs for the transmission, storage, and production function facilities between incremental and non-incremental facilities. If the pipeline proposes to directly assign the costs of specific facilities, it must provide a separate cost-of-service for every directly assigned facility (e.g., lateral or storage field).

The information related to section 154.309 must be reported here. It may be entered in one of two ways:

(1) Consistent with § 154.309, for every expansion for which incremental rates are charged, include a summary with applicable cross-references to other statements and schedules, of the costs and revenues associated with the expansion. Identify every expansion that has an at-risk provision in the certificate authorization. For each at-risk expansion, show the costs and revenues associated with the facility in summary format with applicable cross-references to other statements and schedules. The summary statements must provide the formulae and explain the bases used in the allocation of common costs to each incremental facility, or

(2) Where the required information appears on other statements or schedules, reference the location of the information.

SCHEDULE I-1(C). COSTS SEPARATED BY ZONE.

If the pipeline maintains records of costs by zone and proposes a zone rate methodology based on those costs, show a separately stated transmission, storage, and production function cost-of-service, for each zone.

SCHEDULE I-1(D). ALLOCATION METHOD OF COMMON AND JOINT COSTS.

Show the method used to allocate common and joint costs to various functions including the allocation of A&G expenses. Provide the factors underlying the allocation of general costs (e.g., gross plant, labor). Show the

formulae used and explain the bases for the allocation of common and joint costs.

SCHEDULE I-2. CLASSIFICATION OF COST-OF-SERVICE.

(i) For each functionalized cost-of-service provided in Schedule I-1(a), (b), and (c), show the classification of costs between fixed costs and variable costs and between reservation costs and usage costs. The classification must be for each element of the cost-of-service (e.g., depreciation expenses, state income taxes, revenue credits). For operation and maintenance expenses and revenue credits, the classification must be provided by account and by total.

(ii) Explain the basis for the classification of costs.

(iii) Explain any difference between the method for classifying costs and the classification method underlying the pipeline's currently effective rates.

SCHEDULE I-3. ALLOCATION OF COST-OF-SERVICE.

(i) If the company provides gas sales and transportation as a bundled service, show the allocation of costs between direct sales or distribution sales and the other services. If the company provides unbundled transportation, show the allocation of costs between services with cost-of-service rates and services with market-based rates, including products extraction, sales, and company-owned production. If the cost-of-service is allocated among rate zones, show how the classified cost-of-service is allocated among rate zones by function. If the pipeline proposes to establish rate zones for the first time, or to change existing rate zone boundaries, explain how the rate zone boundaries are established.

(ii) Show how the classified costs of service provided in Schedule I-2 or Schedule I-3(i) are allocated among the pipeline's services and rate schedules.

(iii) Provide the formulae used in the allocation of the cost-of-service. Provide the factors underlying the allocation of the cost-of-service (e.g., contract demand, annual billing determinants, three-day peak). Provide the load factor or other basis for any imputed demand quantities.

(iv) Explain any changes in the basis for the allocation of the cost-of-service from the allocation methodologies underlying the currently effective rates.

SCHEDULE I-4. TRANSMISSION AND COMPRESSION OF GAS BY OTHERS (ACCOUNT 858).

Provide the following information for each transaction for the base and adjustment period:

- (i) The name of the transporter.
- (ii) The name of the rate schedule under which service is provided, and the expiration date of the contract.
- (iii) Monthly usage volumes.
- (iv) Monthly costs.
- (v) The monthly revenues for volumes flowing under released capacity.

SCHEDULE I-5. GAS BALANCE.

Show by months and in total, for the 12 months of actual experience, the company's Gas Account, in the form required by FERC Form No. 2, page 520. Show corresponding estimated data, if claimed to be different from actual experience. Provide the basis for any variation between estimated and actual base period data.

STATEMENT J. COMPARISON AND RECONCILIATION OF ESTIMATED OPERATING REVENUES WITH COST-OF-SERVICE.

Compare the total revenues by rate schedule (Schedule G-2) to the allocated cost-of-service (Statement I). Identify any surcharges that are reflected in Statement I.

SCHEDULE J-1. SUMMARY OF BILLING DETERMINANTS.

Provide a summary of all billing determinants used to derive rates. Provide a reconciliation of customers' total billing determinants as shown on Schedule G-2 with those used to derive rates in Schedule J-2. Provide an explanation of how any discount adjustment is developed. If billing determinants are imputed for interruptible service, explain the method for calculating the billing determinants.

SCHEDULE J-2. DERIVATION OF RATES.

Show the derivation of each rate component of each rate. For each rate component of each rate schedule, include:

(i) A reference (by line and column) to the allocated cost-of-service in Statement I;

(ii) A reference to the appropriate billing determinants in Schedule J-1.

(iii) Explain any changes in the method used for the derivation of rates from the method used in developing the underlying rates.

STATEMENT L. BALANCE SHEET.

Provide a balance sheet in the form prescribed by the Commission's Uniform System of Accounts for Natural Gas Companies as of the beginning and end of the base period. Include any notes. If the natural gas company is a member of a group of companies, also provide a balance sheet on a consolidated basis.

STATEMENT M. INCOME STATEMENT.

Provide an income statement, including a section on earnings, in the form prescribed by the Commission's Uniform System of Accounts for Natural Gas Companies for the base period. Include any notes. If the natural gas company is a member of a system group of companies, provide an income statement on a consolidated basis.

STATEMENT O. DESCRIPTION OF COMPANY OPERATIONS.

Provide a description of the company's service area and diversity of operations. Include the following:

(1) Only if significant changes have occurred since the filing of the last FERC Form Nos. 2 or 2-A, provide a detailed system map.

(2) A list of each major expansion and abandonment since the company's last general rate case. Provide brief descriptions, approximate dates of operation or retirement from service, and costs classified by functions.

(3) A detailed description of how the company designs and operates its systems. Include design temperature.

STATEMENT P. EXPLANATORY TEXT AND PREPARED TESTIMONY.

Provide prepared testimony indicating the line of proof which the company would offer for its case-in-chief in the event that the rates are suspended and the matter set for hearing. Name the sponsoring witness of all testimony.

COMPOSITION OF SCHEDULES FOR MINOR RATE CHANGES.

A change in a rate or charge that, for the test period, does not increase the company's revenues by the smaller of \$1,000,000 or 5 percent is a minor rate change. A change in a rate level that does not directly or indirectly result in an increased rate or charge to any customer or class of customers is a minor rate change.

In addition to the schedules in this section, filings for minor rate changes must include Statements L, M, O, P, I-1 through I-4, and J of § 154.312 whose instructions appear above.

The schedules listed below must contain the principal determinants essential to test the reasonableness of the proposed minor rate change. Any adjustments to book figures must be separately stated and the basis for the adjustment must be explained.

If the company maintains records of costs by zone, and proposes a zone rate methodology based on those costs, the statements and schedules in § 154.313 must reflect costs detailed by zone.

SCHEDULE A. OVERALL COST-OF-SERVICE BY FUNCTION.

Summarize the overall cost-of-service (operation and maintenance expenses, depreciation, taxes, return, and credits to cost-of-service) developed from the supporting schedules below.

SCHEDULE B. OVERALL RATE BASE AND RETURN.

Summarize the overall gas utility rate base by function. Include the claimed rate of return and show the application of the claimed rate of return to the overall rate base.

SCHEDULE B-1. ACCUMULATED DEFERRED INCOME TAXES
(Account Nos. 190, 281, 282, and
283)

Show monthly book balances of accumulated deferred income taxes for each of the 12 months during the base period. In adjoining columns, show additions and reductions for the adjustment period balance and the total adjusted balance.

SCHEDULE B-2. REGULATORY ASSET AND LIABILITY.

Show monthly book balances of regulatory asset (Account 182.3) and liability (Account 254) for each of the 12 months during the base period. In adjoining columns, show additions and reductions for the adjustment period balance and the total adjusted balance. Only include these accounts if recovery of these balances are reflected in the company's costs. Identify the specific Commission authority which required the establishment of these accounts.

SCHEDULE C. COST OF PLANT SUMMARY.

Provide the cost of plant by functional classification as of the end of the base and adjustment periods.

SCHEDULE D. ACCUMULATED PROVISIONS FOR DEPRECIATION, DEPLETION, AMORTIZATION, AND ABANDONMENT

Provide accumulated provisions for depreciation, depletion, amortization, and abandonment by functional classifications as of the beginning and as of the end of the test period.

SCHEDULE E. WORKING CAPITAL.

Show the various components provided for in § 154.312, Statement E. The instructions appear above.

SCHEDULE F. RATE OF RETURN.

Show the rate of return claimed with a brief explanation of the basis.

SCHEDULE G. REVENUES AND BILLING DETERMINANTS.

Show in summary format the information requested below on revenues and billing determinants for the base period and the base period as adjusted.

(A) Revenues. Provide the total revenues by rate schedule from jurisdictional services, classified in accordance with the Commission's Uniform System of Accounts for the base period and for the base period as adjusted. Separate operating revenues by major rate component (e.g., reservation charges, demand charges,

usage charges, commodity charges, injection charges, withdrawal charges, etc.) from revenues received from penalties, surcharges or other sources (e.g., ACA, GRI, transition costs). For services provided through released capacity, identify total revenues by rate schedule and by receipt and delivery rate zones, if applicable.

(B) Billing Determinants. Show total reservation and usage billing determinants by rate schedule for the base period and the base period as adjusted. For services provided through released capacity, identify total billing determinants by rate schedule and by receipt and delivery rate zones, if applicable.

SCHEDULE G-1. ADJUSTMENT PERIOD REVENUES.

(1) Show revenues and billing determinants by month, by customer name, by rate schedule, by major rate component (e.g., reservation charges) and totals for the base period adjusted for known and measurable changes which are expected to occur within the adjustment period computed under the rates expected to be charged. Show commodity billing determinants by rate schedule. Billing determinants must not be adjusted for discounting. Provide projected throughput (i.e., usage or commodity quantities, unadjusted for discounting) and projected contract demand levels (unadjusted for discounting). Separate operating revenues from revenues received from surcharges or other sources (e.g., ACA, GRI, transition costs). Identify customers who are affiliates. Identify rate schedules under which costs are allocated and rate schedules under which revenues are credited for the adjustment period with cross-references to the other filed statements and schedules.

(2) Provide a reconciliation of the base period revenues and billing determinants and the revenues and billing determinants for the base period as adjusted.

SCHEDULE H. OPERATION AND MAINTENANCE EXPENSES.

Show the gas operation and maintenance expenses according to each applicable account of the Commission's Uniform System of Accounts for Natural Gas Companies. The expenses must be shown under appropriate columnar-headings, by labor, materials and other charges, and purchased gas costs, with subtotals for each functional classification: Operation and maintenance expense by months, as booked, for the 12 months of actual experience, and the total thereof; adjustments, if any, to expenses as booked; and, total adjusted operation and maintenance expenses claimed.

Explain all adjustments. Specify the month or months during which the adjustments would be applicable.

SCHEDULE H-1. WORKPAPERS FOR EXPENSE ACCOUNTS.

Furnish workpapers for the 12 months of actual experience and claimed adjustments and analytical details as set forth in § 154.312, Schedule H-1(2). The instructions appear above.

SCHEDULE H-2. DEPRECIATION, DEPLETION, AMORTIZATION AND NEGATIVE SALVAGE EXPENSES.

Show, separately, the gas plant depreciation, depletion, amortization, and negative salvage expenses by functional classifications. For each functional plant classification, show depreciation associated with offshore and onshore plant separately. Show the depreciable plant for each function and the depreciation rates used to calculate depreciation expense. The bases, methods, essential computations, and derivation of unit rates for the calculation of depreciation, depletion, amortization, and negative salvage expenses for actual experience must be explained.

SCHEDULE H-3. INCOME TAX ALLOWANCES COMPUTED ON THE BASIS OF THE RATE OF RETURN CLAIMED.

Show the computation of allowances for Federal and State income taxes based on the claimed return applied to the overall gas utility rate base.

SCHEDULE H-3(1). RECONCILIATION BETWEEN BOOK AND TAX DEPRECIABLE PLANT.

This schedule is part of the workpapers. Show the computation of an updated reconciliation between book depreciable plant and tax depreciable plant and accumulated provision for deferred income taxes, for the base period or latest calendar or fiscal year (depending on the company's reporting period).

SCHEDULE H-4. OTHER TAXES.

Show the gas utility taxes, other than Federal or state income taxes, by state and by kind of taxes, in separate columns, as follows: Tax expense per books for the 12 months of actual experience; adjustments, if any, to amounts booked; and, the total adjusted taxes claimed. Provide the details of the kind and amount of taxes paid under protest or in connection with taxes under litigation. Explain all adjustments.

IV. GENERIC TEMPLATE

The general file template listed below applies to all files saved as spreadsheet, tab-delimited and native application files. These instructions provide the general organization of the file prior to saving.

Enter the following header and column heading information in the first 14 lines of the file. Where necessary, the pipeline may exceed the 14 line limit. Each item listed below must appear in a separate row of the file, statement, schedule or sheet.

ITEM

LOCATI

<u>ON</u> Docket Number, if known	Upper righthand corner
Statement or Schedule Identification	Upper righthand corner
Company Name	
Schedule Title	
Time Period the Data Covers	

Column Headings

Enter the Docket Number if the filing is other than an original submission and the Commission has assigned a docket number to the case. The Statement or Schedule Identification must be consistent with the table in Section II and the file name (See General Instruction 3). The Company Name must be the full legal name of the company. If the company is a pipeline, the name of the company should be the same as registered with the Commission under Company Registration. The Schedule Title does not have to be the same as the Schedule Title shown in Section II.

Data appears below the column headings. The first column must contain row numbers. The second column must contain the row description. Rows containing data must be sequentially numbered to the end of the file without regard to where the page breaks are located on the paper version of the filing. The filing company may also number rows containing headings in the description column at its election except in Statements G-1, G-2, and G-3.

Additional descriptive information, such as footnotes, follows the data. For those using the TAB delimited

alternative, in cases where descriptive text exceeds one page, enter the descriptive text in a separate text file such as "DOCX" or "PDF". Explanatory text applicable to statement H-1 must be included in a separate text file such as "DOCX" or "PDF", properly cross-referenced.

DO NOT ENTER PAGE NUMBERS. All cross-references must refer to the Schedule or Statement Identification, and the row and column location of the item referenced.

DO NOT REPEAT the header information and column headings elsewhere in the file. Use the print options of your software to ensure header information and column headings appear on every page of the paper version of the filing.

Do not use the custom header feature in your software application to create the header in the first fourteen rows. A header created in this way will not appear in the tab-delimited file.

The only time column headings may be used outside the first fourteen rows is in a spreadsheet which can be printed on one page.

If the statement, schedule, or workpaper contains material for which the company seeks confidential or Critical Energy Infrastructure Information (CEII) treatment, the phrase -

Contains Privileged [or CEII] Information
Do Not Release

must appear in one of the first fourteen rows.

SAMPLE GENERAL SPREADSHEET TEMPLATES

Docket No. _____
 Statement Identification
 Additional Identification
 Additional Identification

Legal Name of the Company
 Schedule Title
 Time Period, (e.g., 12 Mos. Ending March 31, 1997)

Line Number	Row Description	First Column	Second Column	Third Column	Fourth Column	Fifth Column	Sixth Column
1	First Row	Data	Data	Data	Data	Data	Data
2	Second Row	Data	Data	Data	Data	Data	Data
3	Third Row	Data	Data	Data	Data	Data	Data
4	Fourth Row	Data	Data	Data	Data	Data	Data
5	Fifth Row	Data	Data	Data	Data	Data	Data
6	Sixth Row	Data	Data	Data	Data	Data	Data
7	Seventh Row	Data	Data	Data	Data	Data	Data
8	Eighth Row	Data	Data	Data	Data	Data	Data
9	Ninth Row	Data	Data	Data	Data	Data	Data
10	Tenth Row	Data	Data	Data	Data	Data	Data
11	Eleventh Row	Data	Data	Data	Data	Data	Data
12	Twelfth Row	Data	Data	Data	Data	Data	Data
13	Thirteenth Row	Data	Data	Data	Data	Data	Data
14	Fourteenth Row	Data	Data	Data	Data	Data	Data
15	Fifteenth Row	Data	Data	Data	Data	Data	Data
16	Sixteenth Row	Data	Data	Data	Data	Data	Data
17	Seventeen Row	Data	Data	Data	Data	Data	Data
18	Eighteenth Row	Data	Data	Data	Data	Data	Data

Descriptive Text (Footnotes, etc.)

V. TEMPLATES APPLICABLE TO SPECIFIC STATEMENTS AND SCHEDULES.

The pipeline's spreadsheets must conform to the generic template specified in section IV and conform to the format prescribed in section II. The pipeline's spreadsheets must be consistent with the templates set forth in this section. These templates have been designed to provide a framework for reporting of data among pipelines. To the extent all or a portion of a template does not apply, the spreadsheet or that portion of the spreadsheet which does not apply should be omitted.

All narrative text applicable to Schedule H-1 must be submitted in a separate file with appropriate cross references.

If a company chooses to reflect the costs for joint facilities and zones and all allocations in Statement I, then Statements A-1 through A-3 need not be included. However, in that event, all costs must be presented in the schedules in Statement I to enable reconciliation with the other statements in the filing.

Company Name
Overall Cost of Service
12 Month Period Ending _____, As Adjusted

Line			Total Company	Production	Storage	Transmission
No.	Description	Reference	As Adjusted	& Gathering	(c)	(d)
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
	Operation and Maintenance Expenses					
1	Production & Gathering					
2	Underground Storage					
3	Transmission					
4	Customer Accounts					
5	Sales Expense					
6	Administrative & General					
7	Total Operation And Maintenance Expenses					
8	Depreciation Expense					
9	Taxes Other Than Income					
10	Return @ ____%					
11	Federal Income Tax					
12	State Income Taxes					
13	Revenue Credits					
14	TOTAL					

If the company has subfunctions, reflect the subfunctions on Statements A-1, A-2, or A-3.

Company Name
Production & Gathering Cost of Service
12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total Company As Adjusted (a) \$	Production (b) \$	Gathering (c) \$	Products Extraction (d) \$
	Operation and Maintenance Expenses					
1	Production & Gathering					
2	Underground Storage					
3	Transmission					
4	Customer Accounts					
5	Sales Expense					
6	Administrative & General					
7	Total Operation And Maintenance Expenses		_____	_____	_____	_____
8	Depreciation Expense					
9	Taxes Other Than Income					
10	Return @ ____%					
11	Federal Income Tax					
12	State Income Taxes					
13	Revenue Credits					
14	TOTAL		=====	=====	=====	=====

Company Name
Storage Cost of Service
12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total Company As Adjusted (a) \$	Storage (b) \$	Incremental Storage (c) \$
	Operation and Maintenance Expenses				
1	Production & Gathering				
2	Underground Storage				
3	Transmission				
4	Customer Accounts				
5	Sales Expense				
6	Administrative & General				
7	Total Operation And Maintenance Expenses				
8	Depreciation Expense				
9	Taxes Other Than Income				
10	Return @ ____%				
11	Federal Income Tax				
12	State Income Taxes				
13	Revenue Credits				
14	TOTAL		=====	=====	=====

Company Name
Transmission Cost of Service
12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total Company	-----Transmission-----		
			As Adjusted	(b)	(c)	(d)
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
	Operation and Maintenance Expenses					
1	Production & Gathering					
2	Underground Storage					
3	Transmission					
4	Customer Accounts					
5	Sales Expense					
6	Administrative & General					
			_____	_____	_____	_____
7	Total Operation And Maintenance Expenses		_____	_____	_____	_____
			_____	_____	_____	_____
8	Depreciation Expense					
9	Taxes Other Than Income					
10	Return @____%					
11	Federal Income Tax					
12	State Income Taxes					
13	Revenue Credits					
			_____	_____	_____	_____
14	TOTAL		=====	=====	=====	=====

Company Name
Rate Base and Return Allowance
12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total Company As Adjusted (a) \$	Production & Gathering (b) \$	Storage (c) \$	Transmission (d) \$
1	Total Gas Plant Investment					
2	Accumulated Reserve for DDA					
3	Net Gas Plant Investment		_____	_____	_____	_____
4	Working Capital					
5	Accumulated Deferred Income Taxes					
6	Total Rate Base		_____	_____	_____	_____
7	Rate of Return		=====	=====	=====	=====
8	Return Allowance		=====	=====	=====	=====

If the company has subfunctions, reflect the subfunctions on Statements B-1, B-2, or B-3.

Company Name
Production & Gathering Rate Base and Return Allowance
12 Month Period Ending _____, As Adjusted

Line			Total Company	-----Production & Gathering-----		
No.	Description	Reference	As Adjusted	(b)	(c)	(d)
			(a)			
			\$	\$	\$	\$
1	Total Gas Plant Investment					
2	Accumulated Reserve for DDA					
3	Net Gas Plant Investment		_____	_____	_____	_____
4	Working Capital					
5	Accumulated Deferred Income Taxes					
6	Total Rate Base		_____	_____	_____	_____
7	Rate of Return		=====	=====	=====	=====
8	Return Allowance		=====	=====	=====	=====

Company Name
Storage Rate Base and Return Allowance
12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	-----Storage-----			
			Total Company As Adjusted (a) \$	(b) \$	(c) \$	(d) \$
1	Total Gas Plant Investment					
2	Accumulated Reserve for DDA					
3	Net Gas Plant Investment		_____	_____	_____	_____
4	Working Capital					
5	Accumulated Deferred Income Taxes					
6	Total Rate Base		_____	_____	_____	_____
7	Rate of Return		=====	=====	=====	=====
8	Return Allowance		=====	=====	=====	=====

Company Name
Transmission Rate Base and Return Allowance
12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total Company	-----Transmission-----			
			As Adjusted	(b)	(c)	(d)	
			(a)	(b)	(c)	(d)	
			\$	\$	\$	\$	
1	Total Gas Plant Investment						
2	Accumulated Reserve for DDA						
3	Net Gas Plant Investment		_____	_____	_____	_____	
4	Working Capital						
5	Accumulated Deferred Income Taxes						
6	Total Rate Base		_____	_____	_____	_____	
7	Rate of Return		=====	=====	=====	=====	
8	Return Allowance		=====	=====	=====	=====	

Company Name
 Gas Plant by Account
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Account No.	Balance at MM/DD/YYYY (a) \$	Adjustments (b) \$	Adjusted Balance (c) \$
	INTANGIBLE PLANT				
1	Organization	301			
2	Franchises and consents	302			
3	Miscellaneous intangible plant	303			
4	Total Intangible Plant				
	PRODUCTION PLANT				
	Natural Gas Production and Gathering Plant				
5	Producing Lands	325.1			
6	Producing leaseholds	325.2			
7	Gas rights	325.3			
8	Rights-of-way	325.4			
9	Other land and land rights	325.5			
10	Gas well structures	326			
11	Field compressor station structures	327			
12	Field meas. and reg. station structures	328			
13	Other structures	329			
14	Producing gas wells-Well construction	330			
15	Producing gas wells-Well equipment	331			
16	Field lines	332			
17	Field compressor station equipment	333			
18	Field meas. and reg. station equipment	334			
19	Drilling and cleaning equipment	335			
20	Purification equipment	336			
21	Other equipment	337			
22	Unsuccessful explor. and develop. costs	338			
23	Total Production and Gathering Plant				
	Products Extraction Plant				
24	Land and land rights	340			
25	Structures and improvements	341			
26	Extraction and refining equipment	342			
27	Pipe lines	343			
28	Extracted product storage equipment	344			
29	Compressor equipment	345			
30	Gas measuring and regulating equipment	346			
31	Other equipment	347			
32	Total Products Extraction Plant				
33	Total Production Plant				
	NATURAL GAS STORAGE AND PROCESSING PLANT				
	Underground Storage Plant				
34	Land	350.1			
35	Rights-of-way	350.2			
36	Structures and improvements	351			
37	Wells	352			
38	Storage leaseholds and rights	352.1			
39	Reservoirs	352.2			
40	Non-recoverable natural gas	352.3			
41	Lines	353			
42	Compressor station equipment	354			
43	Measuring and regulating equipment	355			
44	Purification equipment	356			
45	Other equipment	357			
46	Total Underground Storage Plant				
	Other Storage Plant				
47	Land and land rights	360			
48	Structures and improvements	361			
49	Gas holders	362			

50	Purification equipment	363
51	Liquefaction equipment	363.1
52	Vaporizing equipment	363.2
53	Compressor equipment	363.3
54	Measuring and regulating equipment	363.4
55	Other equipment	363.5
56	Total Other Storage Plant	
	Base Load Liquefied Natural Gas Terminaling and Processing Plant	
57	Land and land rights	364.1
58	Structures and improvements	364.2
59	LNG processing terminal equipment	364.3
60	LNG transportation equipment	364.4
61	Measuring and regulating equipment	364.5
62	Compressor station equipment	366.6
63	Communication equipment	364.7
64	Other equipment	364.8
	Total Base Load Liquefied Natural Gas Terminaling and Processing Plant	
65		
66	Total Nat. Gas Storage & Proc. Plant	
	TRANSMISSION PLANT	
67	Land and land rights	365.1
68	Rights-of-way	365.2
69	Structures and improvements	366
70	Mains	367
71	Compressor station equipment	368
72	Measuring and regulating station equipment	369
73	Communication equipment	370
74	Other equipment	371
75	Total Transmission Plant	
	DISTRIBUTION PLANT	
76	Land and land rights	374
77	Structures and improvements	375
78	Mains	376
79	Compressor station equipment	377
80	Meas. and reg. station equipment-General	378
81	Meas. and reg. station equipment-City gate	379
82	Services	380
83	Meters	381
84	Meter installations	382
85	House regulators	383
86	House regulatory installations	384
87	Industrial meas. and reg. station equip.	385
88	Other property on customers' premises	386
89	Other equipment	387
90	Total Distribution Plant	
	GENERAL PLANT	
91	Land and land rights	389
92	Structures and improvements	390
93	Office furniture and equipment	391
94	transportation equipment	392
95	Stores equipment	393
96	"Tools, shop and garage equipment"	394
97	Laboratory equipment	395
98	Power operated equipment	396
99	Communication equipment	397
100	Miscellaneous equipment	398
101	Other tangible property	399
102	Total General Plant	
103	TOTAL GAS PLANT IN SERVICE	

Company Name

Cost of Plant
12 Month Period Ending _____, As Adjusted

Line No.	Description	Acct. No.	Schedule Ref.	Balance at MM/DD/YYYY (a) \$	Additions (b) \$	Reductions (c) \$	Transfers (d) \$	Balance at MM/DD/YYYY (e) \$	Adjustments (f) \$	Total As Adjusted (g) \$
1	Gas Plant in Service	101								
2	Gas Plant Purchased or Sold	102								
3	Gas Plant Held for Future Use	105								
4	Completed Construction-Not Classified	106								
5	Gas Stored Underground-Noncurrent	117.1								
6	Gas Stored Underground-System	117.2								
7	Total Plant Accounts									
8	Construction Work in Progress	107								
9	Total Cost of Plant			=====	=====	=====	=====	=====	=====	=====

Company Name
Accumulated Provision for Depreciation, Depletion, and Amortization
12 Month Period Ending _____, As Adjusted

Line No.	Description	Balance at MM/DD/YYYY (a) \$	Additions (b) \$	Reductions (c) \$	Transfers (d) \$	Balance at MM/DD/YYYY (e) \$	Adjustments (f) \$	Adjusted Balance (g) \$
Account 108 - Accumulated Provisions for Depreciation of Gas Plant in Service								
Gathering								
1	Onshore							
2	Offshore							
3	Negative Salvage							
4	Total							
Transmission								
5	Onshore							
6	Offshore							
7	Negative Salvage							
8	Total							
9	Underground Storage							
10	General Plant							
11	Subtotal							
12	Retirement Work in Progress							
13	Total Account 108							
Account 111-Accumulated Provision for Amortization								
14	Intangible							
15	Total Account 111							
16	Total Accumulated Provision							

Company Name
Working Capital
12 Month Period Ending _____, As Adjusted

Line No.	Description	Schedule Reference	Total As Adjusted (a) \$
1	Cash Working Capital		
2	Materials and Supplies		
3	Prepayments		
4	Gas Store Underground		
5	Total Working Capital		_____ =====

Company Name
 Monthly Balances
 12 Month Period Ending _____, As Adjusted

Line No.	Year	Month	Materials and Supplies (a) \$	Prepayments (b) \$
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14	Total		_____	_____
			=====	=====
15	13 Month Average			
16	Adjustment			
17	Total, As Adjusted		_____	_____
			=====	=====

Company Name
Total Operation and Maintenance Expenses
12 Month Period Ending _____, As Adjusted

Line No.	Description	Account No.	Months of the Base Period						Total Base Period	Adjustments	Total, As Adjusted
			First	Second	Third	...	Eleventh	Twelfth			
			(a)	(b)	(c)		(k)	(l)			
			\$	\$	\$		\$	\$	\$	\$	
	PRODUCTION EXPENSES										
	Steam Production										
1	Operation supervision and equipment	700									
2	Operation Labor	701									
3	Boiler fuel	702									
4	Miscellaneous steam expenses	703									
5	Steam transferred-Credit	704									
6	Total Operation		_____	_____	_____		_____	_____	_____	_____	
7	Maint. supervision and engineering	705									
8	Maint. of structures & improvements	706									
9	Maint. of boiler plant equipment	707									
10	Maint. of other steam production plant	708									
11	Total Maintenance		_____	_____	_____		_____	_____	_____	_____	
12	Total Steam Production		_____	_____	_____		_____	_____	_____	_____	
	Manufactured Gas Production										
13	Operation supervision & engineering	710									
14	Steam expenses	711									
15	Other power expenses	712									
16	Coke oven expenses	713									
17	Producer gas expenses	714									
18	Water gas generating expenses	715									
19	Oil gas generating expenses	716									
20	Liquefied petroleum gas expenses	717									
21	Other process production expenses	718									
22	Total Production Labor & Expenses		_____	_____	_____		_____	_____	_____	_____	
23	Fuel under coke ovens	719									
24	Producer gas fuel	720									
25	Water gas generator fuel	721									
26	Fuel for oil gas	722									
27	Fuel for LPG process	723									

28	Other gas fuels	724							
29	Fuel	724.1							
30	Total Gas Fuels		—	—	—	—	—	—	—
31	Coal carbonized in coke ovens	725							
32	Oil for water gas	726							
33	Oil for oil gas	727							
34	Liquefied petroleum gas	728							
35	Raw materials for oth. gas processes	729							
36	Raw materials	729.1							
37	Residuals expenses	730							
38	Residuals produced-Credit	731							
39	Purification expenses	732							
40	Gas mixing expenses	733							
41	Duplicate charges	734							
42	Miscellaneous production expenses	735							
43	Rents	736							
44	Operation supplies and expenses	737							
45	Total Gas Raw Materials		—	—	—	—	—	—	—
46	Total Operation		—	—	—	—	—	—	—
47	Maint. supervision & engineering	740							
48	Maint. of structures & improvements	741							
49	Maintenance of production equipment	742							
50	Maintenance of production plant	743							
51	Total Maintenance		—	—	—	—	—	—	—
52	Total Mftd Gas Prod. Expenses		—	—	—	—	—	—	—
	Natural Gas Production Expenses								
	Natural Gas Production and Gathering								
53	Operation supervision & engineering	750							
54	Production maps and records	751							
55	Gas wells expenses	752							
56	Field lines expenses	753							
57	Field compressor station expenses	754							
58	Field comp. station fuel & power	755							
59	Field meas. & regulating stat. exp.	756							
60	Purification expenses	757							
61	Gas well royalties	758							
62	Other expenses	759							
63	Rents	760							
64	Total Operation		—	—	—	—	—	—	—
65	Maint. supervision and engineering	761							
66	Maint. of structures & improvements	762							

67	Maintenance of producing gas wells	763							
68	Maintenance of field lines	764							
69	Maint. of field comp. station equip.	765							
70	Maint. of field. meas. & reg. sta. equip.	766							
71	Maint. of purification equipment	767							
72	Maint. of drilling & cleaning equip.	768							
73	Maintenance of other equipment	769							
74	Maintenance of other plant	769.1							
75	Total Maintenance		_____	_____	_____	_____	_____	_____	_____
76	Total Natural Gas Prod. & Gathering		_____	_____	_____	_____	_____	_____	_____
	Products Extraction								
77	Operation supervision & engineering	770							
78	Operation labor	771							
79	Gas shrinkage	772							
80	Fuel	773							
81	Power	774							
82	Materials	775							
83	Operation supplies and expenses	776							
84	Gas processed by others	777							
85	Royalties on products extracted	778							
86	Marketing expenses	779							
87	Products purchased	780							
88	Variation in products inventory	781							
89	Ext. prod. used by the utility-Cr.	782							
90	Rents	783							
91	Total Operation		_____	_____	_____	_____	_____	_____	_____
92	Maint. supervision & engineering	784							
93	Maint. of structures & improvements	785							
94	Maint. of ext. & refining equip.	786							
95	Maint. of pipe lines	787							
96	Maint. of ext. products stor. equip.	788							
97	Maint. of compressor equipment	789							
98	Maint. of gas meas. & reg. equip.	790							
99	Maintenance of other equipment	791							
100	Maintenance of prod. ext. plant	792							
101	Total Maintenance		_____	_____	_____	_____	_____	_____	_____
102	Total Products Extraction		_____	_____	_____	_____	_____	_____	_____
	Exploration and Development Expenses								
103	Delay rentals	795							
104	Nonproductive well drilling	796							
105	Abandoned leases	797							

106	Other exploration	798							
107	Total Exploration & Development Exp.		_____	_____	_____	_____	_____	_____	_____
	Other Gas Supply Expenses		_____	_____	_____	_____	_____	_____	_____
108	Natural Gas purchases	799							
109	Natural gas well head purchases	800							
110	Wellhead purch., interco. trfrs	800.1							
111	Natural gas field line purchases	801							
112	Nat gas gasoline plant outlet purch.	802							
113	Nat. gas transmission line purchases	803							
114	Natural gas city gate purchases	804							
115	Liquefied natural gas purchases	804.1							
116	Other gas purchases	805							
117	Purchased gas cost adjustments	805.1							
118	Total Purchased Gas		_____	_____	_____	_____	_____	_____	_____
119	Exchange Gas	806							
120	Well Expenses - Purchased Gas	807.1							
121	Oper. of Purch. Gas Meas. Stations	807.2							
122	Maint. of Purch. Gas Meas. Stations	807.3							
123	Purchased Gas Calculation Expenses	807.4							
124	Other Purchased Gas Expenses	807.5							
125	Total Purchased Gas		_____	_____	_____	_____	_____	_____	_____
126	Gas withdrawn from storage-Debit	808.1							
127	Gas delivered to storage-Credit	808.2							
128	W/drawals of LNG held for proc.-dr	809.1							
129	Del. of natural gas for processing	809.2							
130	Gas used for compressor sta. fuel-cr	810							
131	Gas used for products extraction-cr	811							
132	Gas used for other util. ops.-cr	812							
133	Gas used in utility operations-cr	812.1							
134	Tot. Gas Used in Util. Ops. - Cr		_____	_____	_____	_____	_____	_____	_____
135	Other gas supply expenses	813							
136	Total Other Gas Supply Expenses		_____	_____	_____	_____	_____	_____	_____
137	Total Prod. Expenses		_____	_____	_____	_____	_____	_____	_____
NATURAL GAS STORAGE TERMINALING AND PROCESSING EXPENSES									
Underground Storage Expenses									
138	Operation supervision & engineering	814							
139	Maps and records	815							
140	Wells expenses	816							

141	Lines expenses	817							
142	Compressor station expenses	818							
143	Compressor station fuel and power	819							
144	Measuring and regulating sta. exp.	820							
145	Purification expenses	821							
146	Exploration and development	822							
147	Gas losses	823							
148	Other expenses	824							
149	Storage well royalties	825							
150	Rents	826							
151	Operation supplies and expenses	827							
152	Total Operation		_____	_____	_____	_____	_____	_____	_____
153	Maintenance supervision and expenses	830							
154	Maint. of structures and imp.	831							
155	Maintenance of reservoir and wells	832							
156	Maintenance of lines	833							
157	Maint. of compressor station exp.	834							
158	Maint. of meas. & regulating equip.	835							
159	Maint. of purification equipment	836							
160	Maint. of other equipment	837							
161	Maint. of oth. underground stor. plt	838							
162	Maintenance of local storage plant	839							
163	Total Maintenance		_____	_____	_____	_____	_____	_____	_____
164	Total Underground Storage Expenses		_____	_____	_____	_____	_____	_____	_____
	Other Storage Expenses								
165	Operation supervision & engineering	840							
166	Operation labor and expenses	841							
167	Rents	842							
168	Fuel	842.1							
169	Power	842.2	_____	_____	_____	_____	_____	_____	_____
170	Gas losses	842.3	_____	_____	_____	_____	_____	_____	_____
171	Total Operation								
172	Maint. supervision and engineering	843.1							
173	Maint. of structures & improvements	843.2							
174	Maintenance of gas holders	843.3							
175	Maint. of purification equipment	843.4							
176	Maint. of liquefaction equipment	843.5							
177	Maint. of vaporizing equipment	843.6							
178	Maintenance of compressor equipment	843.7							
179	Maint. of meas. and reg. equipment	843.8							
180	Maintenance of other equipment	843.9							
181	Total Maintenance								
182	Total Other Storage Expenses								

Liquefied Natural Gas Terminaling and Processing Expenses

183	Oper. supervision and engineering	844.1
184	LNG proc. terminal labor & expenses	844.2
185	Lique. processing labor and expenses	844.3
186	LNG transportation labor & expenses	844.4
187	Measuring & regulating labor & exp.	844.5
188	Compressor station labor and exp.	844.6
189	Communication system expenses	844.7
190	System control and load dispatching	844.8
191	Fuel	845.1
192	Power	845.2
193	Rents	845.3
194	Demurrage charges	845.4
195	Wharfage receipts-credit	845.5
196	Proc. lique. or vap. gas by others	845.6
197	Gas losses	846.1
198	Other expenses	846.2

199 Total Operation

200	Maint. supervision & engineering	847.1
201	Maint. of structures & improvements	847.2
202	Maint. of LNG gas terminal equipment	847.3
203	Maint. of LNG transportation equip.	847.4
204	Maint. of meas. & regulating equip.	847.5
205	Maint. of compressor station equip.	847.6
206	Maint. of communication equipment	847.7
207	Maint. of other equipment	847.8

208 Total Maintenance

209 Total LNG Term. and Pro. Exp.

210 Total Natural Gas Storage

TRANSMISSION EXPENSES

211	Operation supervision and expenses	850
212	System control and load dispatching	851
213	Communication system expenses	852
214	Compressor sta. labor & expenses	853
215	Compressor station fuel and power	853.1
216	Gas for compressor station fuel	854
217	Oth. fuel & power for comp. sta.	855
218	Mains expenses	856
219	Measuring & regulating station exp.	857
220	Operation supplies and expenses	857.1
221	Trans. and comp. of gas by others	858
222	Other expenses	859
223	Rents	860

224 Total Operation

225	Maintenance supervision and expenses	861						
226	Maint. of structures & improvements	862						
227	Maint. of mains	863						
228	Maint. of compressor station exp.	864						
229	Maint. of meas. & regulating equip.	865						
230	Maint. of communication equipment	866						
231	Maint. of other equipment	867						
232	Maintenance of other plant	868						
233	Operation supervision & engineering	870						

234	Total Maintenance		_____	_____	_____	_____	_____	_____
235	Total Transmission Expenses		_____	_____	_____	_____	_____	_____

DISTRIBUTION EXPENSES

236	Distribution load dispatching	871						
237	Compressor sta. labor & expenses	872						
238	Compressor station fuel and power	873						
239	Mains and services expenses	874						
240	Meas. and reg. stat. exp.-General	875						
241	Meas. and reg. stat. exp.-Industrial	876						
242	M&R stat. exp.-City gate check sta.	877						
243	Meter and house regulator expenses	878						
244	Customer installation expenses	879						
245	Other expenses	880						
246	Miscellaneous distribution expenses	880.1						
247	Rents	881						

248	Total Operation		_____	_____	_____	_____	_____	_____
-----	-----------------	--	-------	-------	-------	-------	-------	-------

249	Maintenance Supervision and expenses	885						
	Maintenance of:							
250	Structures & improvements	886						
251	Mains	887						
252	Compressor station exp.	888						
253	M&R equipment-General	889						
254	M&R equip.-Industrial	890						
255	M&R equip.-Citygate chk sta.	891						
256	Services	892						
257	Lines	892.1						
258	Meters and house regulators	893						
259	Other equipment	894						
260	Other plant	895						

261	Total Maintenance		_____	_____	_____	_____	_____	_____
262	Total Distribution Expenses		_____	_____	_____	_____	_____	_____

CUSTOMER ACCOUNTS EXPENSES

263	Supervision	901						
-----	-------------	-----	--	--	--	--	--	--

264	Meter reading expenses	902							
265	Customer records & collection exp.	903							
266	Uncollectible accounts	904							
267	Miscellaneous customer accounts exp.	905							
268	Total Operation		—	—	—	—	—	—	—
269	Total Customer Accounts Expenses		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
	CUSTOMER SERVICE AND INFORMATIONAL EXPENSES								
270	Cust. service & informational exp.	906							
271	Supervision	907							
272	Customer assistance expenses	908							
273	Informational and instructional exp.	909							
274	Misc. cust. serv. & info. exp.	910							
	Total Customer Service and		—	—	—	—	—	—	—
275	Information Expenses		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
	SALES EXPENSES								
276	Supervision	911							
277	Demonstrating and selling expenses	912							
278	Advertising expenses	913							
279	Miscellaneous sales expenses	916							
280	Sales expenses	917							
	Total Sales Expenses		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
	ADMINISTRATIVE AND GENERAL EXPENSES								
282	Administrative and general salaries	920							
283	Office supplies and expenses	921							
284	Admin. expenses transferred-Credit	922							
285	Outside services employed	923							
286	Property insurance	924							
287	Injuries and damages	925							
288	Employee pensions and benefits	926							
289	Franchise requirements	927							
290	Regulatory Commission expense	928							
291	Duplicate charges-Credit	929							
292	General advertising expenses	930.1							
293	Miscellaneous general expenses	930.2							
294	Rents	931							
	Total Operation		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
296	Transportation expenses	933							
297	Maintenance of general plant	935							

298	Total Maintenance							
299	Total Admin. and General Exp.	_____	_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____	_____
300	TOTAL O&M EXPENSES							
		=====	=====	=====	=====	=====	=====	=====

Note: Schedules H-1(1), H-1(1)(a), (b), &(c) should use this same Statement H-1 format. Report quantities but not dollars on Schedule H-1(1) (c).

Company Name
Depreciation, Depletion, Amortization and Negative Salvage Expense
12 Month Period Ending _____, As Adjusted

Line	Adjusted Depreciable	Annual Depr.	Depr. Exp	Proposed Depr.	Total, As
No.	Plant	Rate per Books	Per Books	Rates	Adjusted
	(a)	(b)	(c)	(d)	(e)
	\$	\$	\$	\$	\$
Account 403 - Depreciation					
Production & Gathering					
1	Onshore				
2	Offshore				
3	Negative Salvage				
Transmission					
4	Onshore				
5	Offshore				
6	Negative Salvage				
7	Underground Storage				
8	General				
9	Total Depreciation				
Account 404 - Amortization					
10	Intangible				
11	Total Amortization				

12 Total Depreciation and
Amortization Expense

=====

Company Name
Income Taxes
12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total (a) \$
	Federal Income Tax		
1	Return on Rate Base at _____%		
2	Less: Interest and Debt Expense		
3	Federal Tax Base		_____
	Federal Income Tax Adjustments		
4	Amortization of Equity AFUDC		
5	Overfunded/Unfunded ADIT		

6	Net FIT Adjustments		_____
7	Return After FIT Adjustments		_____
8	Federal Income Tax at _____ % (Line 7 x Federal tax on tax percentage)		=====
9	State Income Taxes at _____% of Line 7 or as presented on a separate schedule		=====

Show the derivation of the State Income Tax Rate on Line 9 on a separate schedule or Schedule H-3(1).

Company Name
Summary - Other Taxes
12 Month Period Ending _____, As Adjusted

Line No.	Description of Tax	Expense Per Books (a) \$	Adjustments (b) \$	Total Tax Claimed (c) \$
1	Ad Valorem (List by state)			
2	Franchise (List by state)			
3	Social Security			
4	Miscellaneous (List by state)	_____	_____	_____
5	Total Other Taxes	=====	=====	=====

Company Name
 Functionalization of Cost of Service
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total	Production	Storage	Transmission
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
	Operating Expenses					
1	Production & Gathering					
2	Underground Storage					
3	Transmission					
4	Customer Accounts					
5	Sales Expenses					
6	Administrative & General					
7	Total Operating Expenses		_____	_____	_____	_____
8	Depreciation Expense		_____	_____	_____	_____
9	Taxes - Other than Income					
10	Return					
11	Federal Income Tax					
12	State Income Taxes					
13	Revenue Credits					
14	TOTAL		_____	_____	_____	_____
			=====	=====	=====	=====

All allocation methods and bases used to functionalize costs must be identified in Schedule I-1.

Company Name

Depreciation, Depletion, Amortization and Negative Salvage Expenses

12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total As Adjusted	Production	Storage	Transmission
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
	Account 403 - Depreciation					
	Production & Gathering					
1	Offshore					
2	Onshore					
3	Negative Salvage					
	Transmission					
4	Offshore					
5	Onshore					
6	Negative Salvage					
7	Underground Storage					
8	General					
9	Total					
10	Account 404 - Amortization					
11	Total Depreciation & Amortization Expense		=====	=====	=====	=====

Company Name

Taxes - Other than Income
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total			
			As Adjusted	Production	Storage	Transmission
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
1	Ad Valorem (List by State)					
2	Franchise (List by State)					
3	Social Security					
4	Miscellaneous (List by State)					
5	Total Other Taxes		_____	_____	_____	_____
			=====	=====	=====	=====

Company Name

Rate Base and Return
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total As Adjusted	Production	Storage	Transmission
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
1	Plant					
2	Production & Gathering					
3	Underground Storage					
4	Transmission					
5	Gas Stored Underground - Noncurrent					
6	Gas Stored Underground - System					
7	General					
8	Intangible					
9	Total Plant		_____	_____	_____	_____
			=====	=====	=====	=====
10	Accumulated Provision for Depreciation					
11	Net Plant					
12	Acc. Deferred Income Taxes		_____	_____	_____	_____
13	Working Capital					
14	Rate Base		_____	_____	_____	_____
			=====	=====	=====	=====
15	Return on Rate Base at _____ %		_____	_____	_____	_____
			=====	=====	=====	=====

Company Name

Accumulated Provision for Depreciation, Depletion, Amortization
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total			
			As Adjusted	Production	Storage	Transmission
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
	Account 108 - Accumulated Provision for Depreciation					
	Production & Gathering					
1	Offshore					
2	Onshore					
3	Negative Salvage		_____	_____	_____	_____
			_____	_____	_____	_____
4	Total					
	Transmission					
5	Offshore					
6	Onshore					
7	Negative Salvage		_____	_____	_____	_____
8	Total		_____	_____	_____	_____
9	Underground Storage		_____	_____	_____	_____
10	General					
11	Subtotal		_____	_____	_____	_____
12	Retirement Work in Progress		_____	_____	_____	_____

13	Total Account 108	_____	_____	_____	_____
14	Account 111 - Accumulated Provision for Amortization	_____	_____	_____	_____
15	Total Accumulated Provision	=====	=====	=====	=====

Company Name

Working Capital
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total	Production	Storage	Transmission
			As Adjusted			
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
1	Cash Working Capital					
2	Materials and Supplies					
3	Prepayments					
4	Gas Stored Underground					
5	Total Working Capital		_____	_____	_____	_____
			=====	=====	=====	=====

Company Name

Income Taxes
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total As Adjusted	Production	Storage	Transmission
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
	Federal Income Tax					
1	Return on Rate Base at _____%					
2	Less: Interest and Debt Expense					
3	Federal Tax Base		_____	_____	_____	_____
	Federal Income Tax Adjustments		_____	_____	_____	_____
4	Amortization of Equity AFUDC					
5	Overfunded/Unfunded ADIT					
6	Net FIT Adjustment					
7	Return after FIT Adjustments		_____	_____	_____	_____
	Federal Income Tax at _____%		=====	=====	=====	=====
8	Line 7 x Federal Tax on Tax Effect)		=====	=====	=====	=====
	State Income Taxes					
9	Allocation of State Income Taxes to Functions		=====	=====	=====	=====

Show the derivation of the State Income Tax Rate on Line 9 on a separate schedule or Schedule H-3(1).
 Instruction Manual for Electronic Filing of Part 154 Rate Filings

Company Name

Revenue Credits
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total	Production	Storage	Transmission
			As Adjusted			
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
1	Revenue Credits		=====	=====	=====	=====

Include all accounts.

Company Name
 Cost of Service - Production

12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total (a) \$
	Operating Expenses		
1	Production & Gathering		
2	Administrative & General		
3	Total Operating Expenses		_____
4	Depreciation Expense		_____
5	Taxes - Other than Income		
6	Return		
7	Federal Income Tax		
8	State Income Taxes		
9	Revenue Credits		
10	TOTAL		_____ =====

Provide this schedule for each applicable functional cost of service.

Company Name
 Cost of Service for each Incremental or "At Risk" Facility
 12 Month Period Ending _____, As Adjusted"

Line				---Incremental or "At Risk" Facilities			
No.	Description	---	Reference	Total (a)	(b)	(c)	(d)
				\$	\$	\$	\$
	Operating Expenses						
1	Production & Gathering						
2	Underground Storage						
3	Transmission						
4	Customer Accounts						
5	Sales Expenses						
6	Administrative & General						
7	Total Operating Expenses			_____	_____	_____	_____
8	Depreciation Expense			_____	_____	_____	_____
9	Taxes - Other than Income						
10	Return						
11	Federal Income Tax						
12	State Income Taxes						
13	Revenue Credits						
14	TOTAL			_____	_____	_____	_____
				=====	=====	=====	=====

Company Name

Operation and Maintenance Expense by Incremental or "At Risk" Facility
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total As Adjusted (a) \$	Labor (b) \$	Supplies & Expenses (c) \$
PRODUCTION EXPENSES					
Steam Production					
1	Operation supervision and equipment	700			
2	Operation Labor	701			
3	Boiler fuel	702			
4	Miscellaneous steam expenses	703			
5	Steam transferred-Credit	704			
6	Total Operation		_____	_____	_____
7	Maint. supervision and engineering	705			
8	Maint. of structures & improvements	706			
9	Maint. of boiler plant equipment	707			
10	Maint. of other steam prod. plant	708			
11	Total Maintenance		_____	_____	_____
12	Total Steam Production		_____	_____	_____
Manufactured Gas Production					
13	Operation supervision & engineering	710			
14	Steam expenses	711			
15	Other power expenses	712			
16	Coke oven expenses	713			
17	Producer gas expenses	714			
18	Water gas generating expenses	715			
19	Oil gas generating expenses	716			
20	Liquefied petroleum gas expenses	717			
21	Other process production expenses	718			
22	Total Production Labor & Expenses		_____	_____	_____
23	Fuel under coke ovens	719			

24	Producer gas fuel	720			
25	Water gas generator fuel	721			
26	Fuel for oil gas	722			
27	Fuel for LPG process	723			
28	Other gas fuels	724			
29	Fuel	724.1			
30	Total Gas Fuels		_____	_____	_____
			_____	_____	_____
31	Coal carbonized in coke ovens	725			
32	Oil for water gas	726			
33	Oil for oil gas	727			
34	Liquefied petroleum gas	728			
35	Raw materials for oth. gas processes	729			
36	Raw materials	729.1			
37	Residuals expenses	730			
38	Residuals produced-Credit	731			
39	Purification expenses	732			
40	Gas mixing expenses	733			
41	Duplicate charges	734			
42	Miscellaneous production expenses	735			
43	Rents	736			
44	Operation supplies and expenses	737			
45	Total Gas Raw Materials		_____	_____	_____
46	Total Operation		_____	_____	_____
			_____	_____	_____
47	Maint. supervision & engineering	740			
48	Maint. of structures & improvements	741			
49	Maintenance of production equipment	742			
50	Maintenance of production plant	743			
51	Total Maintenance		_____	_____	_____
52	Total Mftd Gas Prod. Expenses		_____	_____	_____
			_____	_____	_____
	Natural Gas Production Expenses				
	Natural Gas Production and Gathering				
53	Operation supervision & engineering	750			
54	Production maps and records	751			
55	Gas wells expenses	752			
56	Field lines expenses	753			
57	Field compressor station expenses	754			
58	Field comp. station fuel & power	755			
59	Field meas. & regulating stat. exp.	756			
60	Purification expenses	757			
61	Gas well royalties	758			
62	Other expenses	759			
63	Rents	760			
64	Total Operation		_____	_____	_____
			_____	_____	_____

65	Maint. supervision and engineering	761			
66	Maint. of structures & improvements	762			
67	Maintenance of producing gas wells	763			
68	Maintenance of field lines	764			
69	Maint. of field comp. station equip.	765			
70	Maint. of field. meas. & reg. sta. equip.	766			
71	Maint. of purification equipment	767			
72	Maint. of drilling & cleaning equip.	768			
73	Maintenance of other equipment	769			
74	Maintenance of other plant	769.1			
75	Total Maintenance		_____	_____	_____
76	Total Natural Gas Prod. & Gathering		_____	_____	_____
	Products Extraction				
77	Operation supervision & engineering	770			
78	Operation labor	771			
79	Gas shrinkage	772			
80	Fuel	773			
81	Power	774			
82	Materials	775			
83	Operation supplies and expenses	776			
84	Gas processed by others	777			
85	Royalties on products extracted	778			
86	Marketing expenses	779			
87	Products purchased	780			
88	Variation in products inventory	781			
89	Ext. prod. used by the utility-Cr.	782			
90	Rents	783			
91	Total Operation		_____	_____	_____
92	Maint. supervision & engineering	784			
93	Maint. of structures & improvements	785			
94	Maint. of ext. & refining equip.	786			
95	Maint. of pipe lines	787			
96	Maint. of ext. products stor. equip.	788			
97	Maint. of compressor equipment	789			
98	Maint. of gas meas. & reg. equip.	790			
99	Maintenance of other equipment	791			
100	Maintenance of prod. ext. plant	792			
101	Total Maintenance		_____	_____	_____
102	Total Products Extraction		_____	_____	_____
	Exploration and Development Expenses				
103	Delay rentals	795			
104	Nonproductive well drilling	796			
105	Abandoned leases	797			

106	Other exploration	798			
107	Total Exploration & Development Exp.		_____	_____	_____
			_____	_____	_____
	Other Gas Supply Expenses				
108	Natural Gas purchases	799			
109	Natural gas well head purchases	800			
110	Wellhead purch., interco. trfrs	800.1			
111	Natural gas field line purchases	801			
112	Nat gas gasoline plant outlet purch.	802			
113	Nat. gas transmission line purchases	803			
114	Natural gas city gate purchases	804			
115	Liquefied natural gas purchases	804.1			
116	Other gas purchases	805			
117	Purchased gas cost adjustments	805.1			
118	Total Purchased Gas		_____	_____	_____
119	Exchange Gas 806		_____	_____	_____
120	Well Expenses - Purchased Gas	807.1			
121	Oper. of Purch. Gas Meas. Stations	807.2			
122	Maint. of Purch. Gas Meas. Stations	807.3			
123	Purchased Gas Calculation Expenses	807.4			
124	Other Purchased Gas Expenses	807.5			
125	Total Purchased Gas		_____	_____	_____
126	Gas withdrawn from storage-Debit	808.1			
127	Gas delivered to storage-Credit	808.2			
128	W/drawals of LNG held for proc.-dr	809.1			
129	Del. of natural gas for processing	809.2			
130	Gas used for compressor sta. fuel-cr	810			
131	Gas used for products extraction-cr	811			
132	Gas used for other util. ops.-cr	812			
133	Gas used in utility operations-cr	812.1			
134	Tot. Gas Used in Util. Ops. - Cr		_____	_____	_____
135	Other gas supply expenses	813			
136	Total Other Gas Supply Expenses		_____	_____	_____
137	Total Prod. Expenses		_____	_____	_____
			_____	_____	_____
	NATURAL GAS STORAGE TERMINALING AND PROCESSING EXPENSES				
	Underground Storage Expenses				
138	Operation supervision & engineering	814			
139	Maps and records	815			

140	Wells expenses	816			
141	Lines expenses	817			
142	Compressor station expenses	818			
143	Compressor station fuel and power	819			
144	Measuring and regulating sta. exp.	820			
145	Purification expenses	821			
146	Exploration and development	822			
147	Gas losses	823			
148	Other expenses	824			
149	Storage well royalties	825			
150	Rents	826			
151	Operation supplies and expenses	827			
152	Total Operation		<hr/>	<hr/>	<hr/>
153	Maintenance supervision and expenses	830			
154	Maint. of structures and imp.	831			
155	Maintenance of reservoir and wells	832			
156	Maintenance of lines	833			
157	Maint. of compressor station exp.	834			
158	Maint. of meas. & regulating equip.	835	<hr/>	<hr/>	<hr/>
159	Maint. of purification equipment	836			
160	Maint. of other equipment	837	<hr/>	<hr/>	<hr/>
161	Maint. of oth. underground stor. plt	838			
162	Maintenance of local storage plant	839			
163	Total Maintenance		<hr/>	<hr/>	<hr/>
164	Total Underground Storage Expenses		<hr/>	<hr/>	<hr/>
	Other Storage Expenses				
165	Operation supervision & engineering	840			
166	Operation labor and expenses	841			
167	Rents	842			
168	Fuel	842.1			
169	Power	842.2			
170	Gas losses	842.3			
171	Total Operation				
172	Maint. supervision and engineering	843.1			
173	Maint. of structures & improvements	843.2			
174	Maintenance of gas holders	843.3			
175	Maint. of purification equipment	843.4			
176	Maint. of liquefaction equipment	843.5			
177	Maint. of vaporizing equipment	843.6			
178	Maintenance of compressor equipment	843.7			
179	Maint. of meas. and reg. equipment	843.8			
180	Maintenance of other equipment	843.9			
181	Total Maintenance				
182	Total Other Storage Expenses				

Liquefied Natural Gas Terminaling and Processing Expenses

183	Oper. supervision and engineering	844.1
184	LNG proc. terminal labor & expenses	844.2
185	Lique. processing labor and expenses	844.3
186	LNG transportation labor & expenses	844.4
187	Measuring & regulating labor & exp.	844.5
188	Compressor station labor and exp.	844.6
189	Communication system expenses	844.7
190	System control and load dispatching	844.8
191	Fuel	845.1
192	Power	845.2
193	Rents	845.3
194	Demurrage charges	845.4
195	Wharfage receipts-credit	845.5
196	Proc. lique. or vap. gas by others	845.6
197	Gas losses	846.1
198	Other expenses	846.2

199 Total Operation

200	Maint. supervision & engineering	847.1
201	Maint. of structures & improvements	847.2
202	Maint. of LNG gas terminal equipment	847.3
203	Maint. of LNG transportation equip.	847.4
204	Maint. of meas. & regulating equip.	847.5
205	Maint. of compressor station equip.	847.6
206	Maint. of communication equipment	847.7
207	Maint. of other equipment	847.8

208 Total Maintenance

209 Total LNG Term. and Pro. Exp.

210 Total Natural Gas Storage

TRANSMISSION EXPENSES

211	Operation supervision and expenses	850
212	System control and load dispatching	851
213	Communication system expenses	852
214	Compressor sta. labor & expenses	853
215	Compressor station fuel and power	853.1
216	Gas for compressor station fuel	854
217	Oth. fuel & power for comp. sta.	855
218	Mains expenses	856
219	Measuring & regulating station exp.	857
220	Operation supplies and expenses	857.1
221	Trans. and comp. of gas by others	858
222	Other expenses	859
223	Rents	860

224 Total Operation

225	Maintenance supervision and expenses	861			
226	Maint. of structures & improvements	862			
227	Maint. of mains	863			
228	Maint. of compressor station exp.	864			
229	Maint. of meas. & regulating equip.	865			
230	Maint. of communication equipment	866			
231	Maint. of other equipment	867			
232	Maintenance of other plant	868			
233	Operation supervision & engineering	870			
234	Total Maintenance		_____	_____	_____
235	Total Transmission Expenses		_____	_____	_____
			_____	_____	_____
	DISTRIBUTION EXPENSES				
236	Distribution load dispatching	871			
237	Compressor sta. labor & expenses	872			
238	Compressor station fuel and power	873			
239	Mains and services expenses	874			
240	Meas. and reg. stat. exp.-General	875			
241	Meas. and reg. stat. exp.-Industrial	876			
242	M&R stat. exp.-City gate check sta.	877			
243	Meter and house regulator expenses	878			
244	Customer installation expenses	879			
245	Other expenses	880			
246	Miscellaneous distribution expenses	880.1			
247	Rents	881			
248	Total Operation		_____	_____	_____
			_____	_____	_____
249	Maintenance Supervision and expenses	885			
	Maintenance of:				
250	Structures & improvements	886			
251	Mains	887			
252	Compressor station exp.	888			
253	M&R equipment-General	889			
254	M&R equip.-Industrial	890			
255	M&R equip.-Citygate chk sta.	891			
256	Services	892			
257	Lines	892.1			
258	Meters and house regulators	893			
259	Other equipment	894			
260	Other plant	895			
261	Total Maintenance		_____	_____	_____
262	Total Distribution Expenses		_____	_____	_____
			_____	_____	_____
	CUSTOMER ACCOUNTS EXPENSES				
263	Supervision	901			
264	Meter reading expenses	902			

265	Customer records & collection exp.	903			
266	Uncollectible accounts	904			
267	Miscellaneous customer accounts exp.	905			
268	Total Operation		_____	_____	_____
269	Total Customer Accounts Expenses		_____	_____	_____

CUSTOMER SERVICE AND INFORMATIONAL EXPENSES

270	Cust. service & informational exp.	906			
271	Supervision	907			
272	Customer assistance expenses	908			
273	Informational and instructional exp.	909			
274	Misc. cust. serv. & info. exp.	910			
275	Total Customer Service and Information Expenses		_____	_____	_____

SALES EXPENSES

276	Supervision	911			
277	Demonstrating and selling expenses	912			
278	Advertising expenses	913			
279	Miscellaneous sales expenses	916			
280	Sales expenses	917			
281	Total Sales Expenses		_____	_____	_____

ADMINISTRATIVE AND GENERAL EXPENSES

282	Administrative and general salaries	920			
283	Office supplies and expenses	921			
284	Admin. expenses transferred-Credit	922			
285	Outside services employed	923			
286	Property insurance	924			
287	Injuries and damages	925			
288	Employee pensions and benefits	926			
289	Franchise requirements	927			
290	Regulatory Commission expense	928			
291	Duplicate charges-Credit	929			
292	General advertising expenses	930.1			
293	Miscellaneous general expenses	930.2			
294	Rents	931			
295	Total Operation		_____	_____	_____
296	Transportation expenses	933			
297	Maintenance of general plant	935			
298	Total Maintenance		_____	_____	_____

299	Total Admin. and General Exp.	_____	_____	_____
300	TOTAL O&M EXPENSES	=====	=====	=====

Provide this schedule for each incremental or "at risk" facility.

Company Name
 Administrative & General Expense by Incremental or "At Risk" Facility

12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total (a) \$	--Incremental or "At Risk Facilities--		
				(b) \$	(c) \$	(d)
			\$			
1	Total A&G Expenses					
2	Zone % of Production & Gathering Plant					
3	A&G Zone Based on Direct Plant					
4	Zone % of Production & Gathering Labor					
5	A&G Zone Based on Direct Labor					
6	Zone Prod. & Gath. A&G Expense					

Provide all allocation factors.
 Provide this schedule for each function by zone, as applicable.

Company Name

Depreciation, Depletion, Amortization and Negative Salvage Expenses for each Incremental Facility
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total		-----Incremental or "At Risk Facilities-----	
			As, Adjusted	(a)	(b)	(c)
			\$	\$	\$	\$
	Account 403 - Depreciation					
	Production & Gathering					
1	Offshore					
2	Onshore					
3	Negative Salvage					
	Transmission					
4	Offshore					
5	Onshore					
6	Negative Salvage					
7	Underground Storage					
8	General					
9	Total		_____	_____	_____	_____
10	Account 404 - Amortization		_____	_____	_____	_____
11	Total Depreciation & Amortization Expense		=====	=====	=====	=====

Company Name

Taxes - Other than Income for each Incremental or "At Risk" Facility

12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total		-----Incremental or "At Risk Facilities-----	
			As Adjusted	(a)	(b)	(c)
			\$	\$	\$	\$
1	Ad Valorem (List by State)					
2	Franchise (List by State)					
3	Social Security					
4	Miscellaneous (List by State)		_____	_____	_____	_____
5	Total Other Taxes		=====	=====	=====	=====

Company Name

Rate Base and Return for each Incremental or "At Risk" Facility

12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total		-----Incremental or "At Risk Facilities-----	
			As Adjusted	(a)	(b)	(c)
			\$	\$	\$	\$
1	Plant					
2	Production & Gathering					
3	Underground Storage					
4	Transmission					
5	Gas Stored Underground - Noncurrent					
6	Gas Stored Underground - System					
7	General					
8	Intangible					
9	Total Plant		_____	_____	_____	_____
			=====	=====	=====	=====
10	Accumulated Provision for Depreciation					
11	Net Plant		_____	_____	_____	_____
12	Accumulated Deferred Income Taxes		_____	_____	_____	_____
13	Working Capital					
14	Rate Base		_____	_____	_____	_____
			=====	=====	=====	=====
15	Return on Rate Base at _____ %		_____	_____	_____	_____
			=====	=====	=====	=====

Company Name

Accumulated Provision for Depreciation, Depletion and Amortization
 for each Incremental or "At Risk" Facility
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total			
			As Adjusted	-----Incremental or "At Risk Facilities-----		
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
	Account 108 - Accumulated Provision for Depreciation					
	Production & Gathering					
1	Offshore					
2	Onshore					
3	Negative Salvage		_____	_____	_____	_____
4	Total		_____	_____	_____	_____
	Transmission					
5	Offshore					
6	Onshore					
7	Negative Salvage		_____	_____	_____	_____
8	Total		_____	_____	_____	_____
9	Underground Storage		_____	_____	_____	_____
10	General					
11	Subtotal		_____	_____	_____	_____
12	Retirement Work in Progress		_____	_____	_____	_____
13	Total Account 108		_____	_____	_____	_____

14	Account 111 - Accumulated Provision for Amortization	_____	_____	_____	_____
15	Total Accumulated Provision	_____	_____	_____	_____
		=====	=====	=====	=====

Company Name

Working Capital for each Incremental or "At Risk" Facility
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total			
			As Adjusted	-----Incremental or	"At Risk Facilities-----	
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
1	Cash Working Capital					
2	Materials and Supplies					
3	Prepayments					
4	Gas Stored Underground					
5	Total Working Capital		_____	_____	_____	_____
			=====	=====	=====	=====

Company Name

Income Taxes for each Incremental or "At Risk" Facility
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total		-----Incremental or "At Risk Facilities-----	
			As Adjusted	(a)	(b)	(c)
			\$	\$	\$	\$
	Federal Income Tax					
1	Return on Rate Base at _____%					
2	Less: Interest on Debt Expense					
3	Federal Tax Base		_____	_____	_____	_____
	Federal Income Tax Adjustments		_____	_____	_____	_____
4	Amortization of Equity AFUDC					
5	Overfunded/Unfunded ADIT					
6	Net FIT Adjustment		_____	_____	_____	_____
7	Return after FIT Adjustments		_____	_____	_____	_____
	Federal Income Tax at _____%		=====	=====	=====	=====
8	Line _ x Federal Tax on Tax Effect)		=====	=====	=====	=====
	State Income Taxes					
9	Allocation of State Income Taxes to Functions		=====	=====	=====	=====

Show the derivation of the state income tax rate on line 9 on a separate schedule or Schedule H-3(1).

Company Name

Revenue Credits for each incremental or "At Risk" Facility
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total			
			As Adjusted	-----Incremental or "At Risk Facilities-----		
			(a)	(b)	(c)	(d)
			\$	\$	\$	\$
1	Revenue Credits					
	Include all accounts.					
			=====	=====	=====	=====

Company Name
 Zone Operation and Maintenance Expense
 for Production Expenses
 12 Month Period Ending __, As Adjusted

Line			Total Prod.		Supplies &
No.	Description	Reference	Expenses	Labor	Expenses
			(a)	(b)	(c)
			\$	\$	\$
	Production Expenses				
	Natural Gas Production and Gathering				
1	Operation supervision and engineering	750			
2	Production maps and records	751			
3	Gas wells expenses	752			
4	Field lines expenses	753			
5	Field compressor station expenses	754			
6	Field compressor station fuel and power	755			
7	Field meas. and regulating stat. expenses	756			
8	Purification expenses	757			
9	Gas well royalties	758			
10	Other expenses	759			
11	Rents	760			
12	Total Operation				
13	Maintenance supervision and engineering	761			
14	Maint. of structures and improvements	762			
15	Maintenance of producing gas wells	763			
16	Maintenance of field lines	764			
17	Maint. of field compressor stat. equip.	765			
18	Maint. of field meas. & reg. stat. equip.	766			

19	Maintenance of purification equipment	767			
20	Maint. of drilling and cleaning equipment	768			
21	Maintenance of other equipment	769			
22	Maintenance of other plant	769.1			
23	Total Maintenance		_____	_____	_____
			_____	_____	_____
24	Total Nat. Gas Prod. and Gathering				
	Products Extraction		_____	_____	_____
25	Operation supervision and engineering	770			
26	Operation labor	771			
27	Gas shrinkage	772			
28	Fuel	773			
29	Power	774			
30	Materials	775			
31	Operation supplies and expenses	776			
32	Gas processed by others	777			
33	Royalties on products extracted	778			
34	Marketing expenses	779			
35	Products purchased	780			
36	Variation in products inventory	781			
37	Extracted prod. used by the utility-Cr.	782			
38	Rents	783			
39	Total Operation		_____	_____	_____
			_____	_____	_____
40	Maintenance supervision and engineering	784			
41	Maint. of structures and improvements	785			
42	Maint. of extraction and refining equip.	786			
43	Maintenance of pipe lines	787			
44	Maint. of extracted prod. storage equip.	788			
45	Maintenance of compressor equipment	789			
46	Maint. of gas meas. and regulating equip.	790			
47	Maintenance of other equipment	791			
48	Maintenance of products extraction plant	792			
49	Total Maintenance		_____	_____	_____
			_____	_____	_____
50	Total Products Extraction		_____	_____	_____
	Exploration and Development Expenses		_____	_____	_____

51	Delay rentals	795			
52	Nonproductive well drilling	796			
53	Abandoned leases	797			
54	Other exploration	798			
55	Total Exploration and Development Expenses		_____	_____	_____
			_____	_____	_____
56	Total Production Expenses		=====	=====	=====

Provide this schedule for each expense by function, and by zone, as applicable.

Company Name
 Zone Administrative & General Expense - Production
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Detail (a) \$	Amount (b) \$
1	Total Production & Gathering A&G Expenses			
2	Zone % of Production & Gathering Plant			
3	A&G to Zone Based on Direct Plant			
4	Zone % of Production & Gathering Labor			
5	A&G to Zone Based on Direct Labor			
6	Zone Prod. & Gath. A&G Expense			

Provide all allocation factors.
 Provide this schedule for each function by zone, as applicable.

Company Name
 Zone Depreciation, Depletion, Amortization and Negative Salvage

Expenses for Production & Gathering
 12 Month Period Ending _____, As Adjusted

Line		Adjusted Depreciable	Annual Depreciation	Depreciation
No.	Description	Gas Plant (a) \$	Rate (b) \$	Expense (c) \$
	Account 403 - Depreciation Expense			
	Production & Gathering			
1	Offshore			
2	Onshore			
3	Negative Salvage			
4	General			
5	Total	_____		_____
		_____		_____
6	Account 404 - Amortization			
		_____		_____
7	Total Depreciation & Amortization Expense	=====		=====

Reconciliation

8	Depreciable Plant		
9	Clearing Account Plant		
10	Non-Depreciable Plant		
11	Total Zone Plant Investment	_____	_____
		=====	=====

Provide this schedule for each function by zone, as applicable.

Company Name
 Zone Taxes - Other than Income
 Production
 12 Month Period Ending _____, As Adjusted

Line No.	Description of Tax	Reference	Amount (a) \$	Production (b) \$	Storage (c) \$	Transmission (d) \$
1	Ad Valorem (List by State)					
2	Franchise (List by State)					
3	Social Security					
4	Miscellaneous (List by State)		_____	_____	_____	_____
5	Total Other Taxes		=====	=====	=====	=====

Subsequent workpapers must reflect in detail each type of tax with all zone information with a workpaper reference included in the reference column.

Provide this schedule for each zone, as applicable.

Company Name
 Zone Rate Base and Return

12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total As Adjusted (a) \$	Production (b) \$	Storage (c) \$	Transmission (d) \$
1	Plant					
2	Accumulated Provision for Depreciation					
3	Net Plant		_____	_____	_____	_____
4	Accumulated Deferred Income Taxes		_____	_____	_____	_____
5	Working Capital					
6	Rate Base - Zone		=====	=====	=====	=====
7	Return on Rate Base at _____ %		=====	=====	=====	=====

Subsequent workpapers must reflect in detail all components of each line item of the zone

Rate Base and workpaper references included in the reference column.

Provide this schedule for each zone, as applicable.

Company Name
 Zone Income Taxes
 for Production
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Detail (a) \$	Amount (b) \$
	Federal Income Tax			
1	Return on Rate Base at _____%			
2	Less: Interest and Debt Expense			
3	Federal Tax Base		_____	_____
	Federal Income Tax Adjustments			
4	Amortization of Equity AFUDC			
5	Overfunded/Unfunded ADIT			
6	Net FIT Adjustment		_____	_____
7	Return after FIT Adjustments		=====	=====
8	Federal Income Tax at _____% Line _ x Federal Tax on Tax Effect)		=====	=====

State Income Taxes
Allocation of State Income Taxes to
9 Functions

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Subsequent workpapers must reflect in detail all components of each line item of the zone Income Taxes and workpaper references included in the reference column.

Provide this schedule for each function by zone, as applicable.

Company Name
 Zone Plant
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Plant	Production Storage		Transmission
			Balance	(b)	(c)	(d)
			(a)			
			\$	\$	\$	\$
1	Gas Plant excluding Gen. & Int. Plt.					
2	General					
3	Intangible					
4	Total Plant		_____	_____	_____	_____
			=====	=====	=====	=====

Subsequent workpapers must reflect in detail all components of each line item of the zone

Plant and workpaper references included in the reference column.

Provide this schedule for each zone, as applicable.

Company Name
 Zone Accumulated Provision for Depreciation, Depletion
 and Amortization
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Reserve Balance (a) \$	Production (b) \$	Storage (c) \$	Transmission (d) \$
	Account 108 - Accumulated Provision for Depreciation					
	Production & Gathering					
1	Offshore					
2	Onshore					
3	Total		_____	_____	_____	_____
4	Negative Salvage		_____	_____	_____	_____
	Transmission					
5	Offshore					
6	Onshore					
7	Total		_____	_____	_____	_____
8	Negative Salvage					
9	Underground Storage					
10	General					
11	Subtotal					

12	Retirement Work in Progress	_____	_____	_____	_____
13	Total Account 108				
14	Account 111 - Accumulated Provision for Amortization	_____	_____	_____	_____
15	Total Accumulated Provision	_____	_____	_____	_____
		=====	=====	=====	=====

Provide this schedule for each zone, as applicable.

Company Name
 Zone Working Capital
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Amount (a) \$	Production (b) \$	Storage (c) \$	Transmission (d) \$
1	Cash Working Capital					
2	Materials and Supplies					
3	Prepayments					
4	Gas Stored Underground					
5	Total Working Capital		_____	_____	_____	_____
			=====	=====	=====	=====

Subsequent references must reflect in detail all components of each line item of Working Capital and workpaper references included in the reference column.

Provide this schedule for each zone, as applicable.

Company Name
 Zone Revenue Credits
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total As Adjusted (a) \$	Production (b) \$	Storage (c) \$	Transmission (d) \$
1	Revenue Credits		=====	=====	===	=====

Include all accounts.

Subsequent workpapers must reflect in detail all components of each line item of the zone.

Revenue Credits and workpaper references should be included in the reference column.

Provide this schedule for each zone, as applicable.

Company Name

Basis of Allocation of Common Costs to Function
 12 Month Period Ending _____, As Adjusted

Line No.	Description	----Direct Gross Plant-----		-----Direct Labor-----	
		Total, As Adj. (a)	Percentage (b)	Amount (c)	Percentage (d)
		\$	\$	\$	\$
	Production & Gathering				
1	Zones				
2	Incremental or "At Risk " Facilities				
3	Total	_____	_____	_____	_____
		_____	_____	_____	_____
	Underground Storage				
4	Zones				
5	Incremental or "At Risk" Facilities				
6	Total	_____	_____	_____	_____
		_____	_____	_____	_____
	Transmission				
7	Zones				
8	Incremental or "At Risk" Facilities				
9	Total	_____	_____	_____	_____
		_____	_____	_____	_____
10	Total Pipeline System	=====	100%	=====	100%
		=====	=====	=====	=====

Company Name

A&G Expenses Functionalized by KN Method
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Total As Adjusted	-----FUNCTIONALIZATION-----		
			Prod. & Gath.	Storage	Transmission
		(a)	(b)	(c)	(d)
		\$	\$	\$	\$
1	Direct Labor Costs				
2	Direct Labor Percent	100%			
3	Gross Plant Costs				
4	Gross Plant Percent	100%			
	A&G Allocation				
5	Direct Labor				
6	Direct Plant				
7	Total				

Provide this schedule for each zone and incremental or "At Risk" Facility, as well as for each function.

Company Name

A&G Expenses Functionalized

12 Month Period Ending _____, As Adjusted

Line	Account	Expenses				
No.	Description	No.	As Adjusted (a) \$	Labor (b) \$	Plant (c) \$	Other (d) \$
1	Administrative and general salaries	920				
2	Office supplies and expenses	921				
3	Administrative expenses transferred-Credit	922				
4	Outside services employed	923				
5	Property insurance	924				
6	Injuries and damages	925				
7	Employee pensions and benefits	926				
8	Franchise requirements	927				
9	Regulatory Commission expense	928				
10	Duplicate charges-Credit	929				
11	General advertising expenses	930.1				
12	Miscellaneous general expenses	930.2				
13	Rents	931				
14	Transportation expenses	933				
15	Maintenance of general plant	935				
16	Allocation of Others					

Provide this schedule for each zone and incremental or "At Risk" Facility, as well as for each function.

Company Name

Basis of Allocation of Common and General Costs to Functions
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Total As Adjusted	Production	Storage	Transmission
			(a) \$	(b) \$	(c) \$	(d) \$
1	Gas Plant Factors					
2	Gas Plant Percent		100%			
	Allocations					
	Plant					
3	Gas Plant - Intangible					
4	Gas Plant - General					
	Accumulated DDA					
5	Account 108 - General					
6	Account 111 - Intangible					
	DDA Expense					
7	Intangible					
8	General					
	Working Capital					
9	Material & Supplies					
10	Prepayments					
	Rate Base & Return Allowance					
11	Deferred Income Tax					
	Taxes					
12	Equity Portion - AFUDC					
13	Overfunded/Unfunded ADIT					
14	Ad Valorem Taxes					
15	Taxes Other than Income					
16	Revenue Credits					
17	Labor Costs					
18	Labor Percent		100%			

Items Allocated
Taxes
19 FICA
20 FUTA
21 SUTA

22 Rate Base
23 Rate Base Percent 100%

Items Allocated
Taxes
24 Interest

Direct Assignments

Items Allocated
25 Operation & Maintenance

Company Name

Basis of Allocation of Common and General Costs to Production Function by Zone & Incremental Facilities
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Reference	Production	-----Zones-----			---Incrementals		
			Total, As Adjusted (a) \$	(b) \$	(c) \$	(d) \$	(e) \$	(f) \$	(g) \$
1	Gas Plant Factors								
2	Gas Plant Percent		100%						
	Allocations								
	Plant								
3	Gas Plant - Intangible								
4	Gas Plant - General								
	Accumulated DDA								
5	Account 108 - General								
6	Account 111 - Intangible								
	DDA Expense								
7	Intangible								
8	General								
	Working Capital								
9	Material & Supplies								
10	Prepayments								
	Rate Base & Return Allowance								
11	Deferred Income Tax								
	Taxes								
12	Equity Portion - AFUDC								
13	Overfunded/Underfunded ADIT								
14	Ad Valorem Taxes								
15	Taxes Other than Income								
16	Revenue Credits								
17	Labor Costs								

18	Labor Percent	100%
	Items Allocated	
	Taxes	
19	FICA	
20	FUTA	
21	SUTA	
22	Rate Base	
23	Rate Base Percent	100%
	Items Allocated	
	Taxes	
24	Interest	
	Direct Assignments	
	Items Allocated	
25	Operation & Maintenance	

Provide this schedule for each function, as applicable.

Company Name
 Classification of Production Cost of Service by Zone and Incremental or "At Risk Facility"
 12 Month Period Ending _____, As Adjusted

Line No.	Description	Account No.	Total (a) \$	Fixed (b) \$	Variable (c) \$	Total (d) \$	Reservation (e) \$	Usage (f) \$
PRODUCTION EXPENSES								
Steam Production								
1	Operation supervision and equipment	700						
2	Operation Labor	701						
3	Boiler fuel	702						
4	Miscellaneous steam expenses	703						
5	Steam transferred-Credit	704						
6	Total Operation							
7	Maint. supervision and engineering	705						
8	Maint. of structures & improvements	706						
9	Maint. of boiler plant equipment	707						
10	Maint. of other steam prod. plant	708						
11	Total Maintenance							
12	Total Steam Production							
Manufactured Gas Production								
13	Operation supervision & engineering	710						
14	Steam expenses	711						
15	Other power expenses	712						
16	Coke oven expenses	713						
17	Producer gas expenses	714						
18	Water gas generating expenses	715						
19	Oil gas generating expenses	716						
20	Liquefied petroleum gas expenses	717						
21	Other process production expenses	718						
22	Total Production Labor & Expenses							
23	Fuel under coke ovens	719						
24	Producer gas fuel	720						

25	Water gas generator fuel	721
26	Fuel for oil gas	722
27	Fuel for lique. petrol. gas process	723
28	Other gas fuels	724
29	Fuel	724.1
30	Total Gas Fuels	
31	Coal carbonized in coke ovens	725
32	Oil for water gas	726
33	Oil for oil gas	727
34	Liquefied petroleum gas	728
35	Raw materials for other gas proc.	729
36	Raw materials	729.1
37	Residuals expenses	730
38	Residuals produced-Credit	731
39	Purification expenses	732
40	Gas mixing expenses	733
41	Duplicate charges	734
42	Miscellaneous production expenses	735
43	Rents	736
44	Operation supplies and expenses	737
45	Total Gas Raw Materials	
46	Total Operation	
47	Maint. supervision & engineering	740
48	Maint. of structures & improvements	741
49	Maintenance of production equipment	742
50	Maintenance of production plant	743
51	Total Maintenance	
52	Total Manufactured Gas Prod. Exp.	
	Natural Gas Production Expenses	
	Natural Gas Production and Gathering	
53	Operation supervision & engineering	750
54	Production maps and records	751
55	Gas wells expenses	752
56	Field lines expenses	753
57	Field compressor station expenses	754
58	Field compressor sta. fuel & power	755
59	Field meas. & regulating sta. exp.	756
60	Purification expenses	757
61	Gas well royalties	758
62	Other expenses	759
63	Rents	760
64	Total Operation	
65	Maint. supervision & engineering	761

66	Maint. of structures & improvements	762
67	Maint. of producing gas wells	763
68	Maintenance of field lines	764
69	Maint of field comp. sta. equip.	765
70	Maint. of field meas. & reg. sta. equip.	766
71	Maint. of purification equipment	767
72	Maint. of drilling & cleaning equip	768
73	Maintenance of other equipment	769
74	Maintenance of other plant	769.1
75	Total Maintenance	
76	Total Nat. Gas Prod. and Gathering	

Products Extraction

77	Op. supervision & engineering	770
78	Operation labor	771
79	Gas shrinkage	772
80	Fuel	773
81	Power	774
82	Materials	775
83	Operation supplies and expenses	776
84	Gas processed by others	777
85	Royalties on products extracted	778
86	Marketing expenses	779
87	Products purchased	780
88	Variation in products inventory	781
89	Extracted prod. used by utility-C:	782
90	Rents	783
91	Total Operation	

92	Maint. supervision & engineering	784
93	Maint. of structures & improvements	785
94	Maint. of extract. & refining equip	786
95	Maint. of pipe lines	787
96	Maint. of ext. prod. storage equip.	788
97	Maint. of compressor equipment	789
98	Maint. of gas meas. & reg. equip.	790
99	Maint. of other equipment	791
100	Maint. of products extraction plant	792
101	Total Maintenance	
102	Total Products Extraction	

Exploration and Development Expenses

103	Delay rentals	795
104	Nonproductive well drilling	796
105	Abandoned leases	797
106	Other exploration	798

107	Total Exploration and Development Exp.	
	Other Gas Supply Expenses	
108	Natural Gas purchases	799
109	Natural gas well head purchases	800
110	Nat. gas wellhead purch., intercompany transfers	800.1
111	Natural gas field line purchases	801
112	Nat. gas gasoline plant outlet purchases	802
113	Natural gas trans. line purch.	803
114	Natural gas city gate purchases	804
115	Liquefied natural gas purchases	804.1
116	Other gas purchases	805
117	Purchased gas cost adjustments	805.1
118	Total Purchased Gas	
119	Exchange Gas	806
120	Well Expenses - Purchased Gas	807.1
121	Operation of Purch. Gas Meas. Sta.	807.2
122	Maint. of Purch. Gas Meas. Stations	807.3
123	Purchased Gas calculation Expenses	807.4
124	Other Purchased Gas Expenses	807.5
125	Total Purchased Gas	
126	Gas withdrawn from storage-Debit	808.1
127	Gas delivered to storage-Credit	808.2
128	W/drawals of LNG held for proc.-dr	809.1
129	Del. of natural gas for processing	809.2
130	Gas used for comp. sta. fuel-credit	810
131	Gas used for prod. extraction-cr	811
132	Gas used for other utility ops-cr	812
133	Gas used in utility operations-cr	812.1
134	Total Gas Used in Utility Ops - Credit	
135	Other gas supply expenses	813
136	Total Other Gas Supply Expenses	
137	Total Production Expenses	
138	Administrative & General Expenses	
139	Total Operating Expenses	
140	Depreciation Expense	
141	Taxes - Other than Income	

- 142 Return
- 143 Federal Income Tax
- 144 State Income Taxes
- 145 Revenue Credits
- 146 Total Production Cost of Service

Provide this schedule for each functional cost of service.

Company Name
Allocation of Cost of Service
12 Month Period Ending _____, As Adjusted

Line No.	Description	Total (a) \$	Reservation (b) \$	Usage (c) \$
-------------	-------------	--------------------	--------------------------	--------------------

Provide all services by function, zone and incremental or "At Risk" Facilities.

VI. SCHEDULES G-1, G-2, AND G-3 INSTRUCTIONS

1. The following information must appear in the spreadsheet, but not in the order shown:

Requirements for Schedule G-1

Actual Revenues	-	Broken down between Operating Revenues, and Revenues from Surcharges or Other Sources*
Actual Billing Determinants		
Month		
Customer Name	-	Affiliates Separately Identified
Rate Schedule	-	Differentiate rate schedules under which costs are allocated and rate schedules under which revenues are credited for the base period with cross-references to the other filed statements and schedules.
Receipt and Delivery Zone		
Major Rate Component		
(e.g., reservation charges)		
Actual Throughput		
Actual Contract Demand		
Totals		

Report separately firm contracts with a term of one year or more from firm contracts with a term less than one year.

* Other Revenues are, e.g., ACA, GRI, and transition costs

Requirements for Schedule G-2

Revenues	-	Separated between operating revenues and revenues from surcharges or other sources*
Billing Determinants		
Month		
Customer Name	-	Separately identify affiliates
Rate Schedule	-	Differentiate rate schedules under which costs are allocated and rate schedules under which revenues are credited for the base period with cross-references to the other filed statements and schedules.
Receipt and Delivery Zone		
Major Rate Component		
Totals for the Base Period		
Adjusted for Known and Measurable Changes		
Projected Throughput		
Projected Contract Demand		

Report separately firm contracts with a term of one year or more from firm contracts with a term less than one year.

* Other Revenues are, e.g., ACA, GRI, and transition costs

2. All pieces of information appearing in the title, headings, or subheadings must be repeated as a column of data in the tab-delimited file following the last column of data appearing on the printed version of the schedule.

3. Number only data lines.
4. Rows containing totals or subtotals must be identified with the word "Total" appearing in the second column. Fill in enough of the columns to identify the nature of the total.
5. Enter the month and year in a single column on Schedule G-1.

The spreadsheet organization shown in the sample on the next page is not intended to establish a template for Schedules G-1, G-2, or G-3. The sample spreadsheet is intended to demonstrate the concepts embodied in instructions 2 through 5 above.

ABC Pipeline Company
Base Period Revenues
Base Period Ending December 31, 1997
Contracts With Terms of One Year or Greater

LN	MONTH	VOLUME	OPERATING REVENUE	SURCHARGE REVENUE	TOTAL REVENUE	FOOTNOTE #	CONTRACT	CUSTOMER	RATE COMPONENT	ZONE	SERVICE	TERM
Contract: 1		Customer 1										
RATE COMPONENT:	USAGE	ZONE:	A	SERVICE:	FT							
1	9311	4699	563.88	-117.47	446.40	x1/x2	1	Customer 1	USAGE	A	FT	A YEAR OR MORE
2	9312	2549	305.88	-63.72	242.15	x1/x2	1	Customer 1	USAGE	A	FT	A YEAR OR MORE
3	9401	5287	634.44	-132.17	502.26	x1/x2	1	Customer 1	USAGE	A	FT	A YEAR OR MORE
4	9402	4632	555.84	-115.80	440.04	x1/x2	1	Customer 1	USAGE	A	FT	A YEAR OR MORE
5	9403	5868	704.16	-146.70	557.46	x1/x2	1	Customer 1	USAGE	A	FT	A YEAR OR MORE
6	9404	6624	794.88	-165.60	629.28	x1/x2	1	Customer 1	USAGE	A	FT	A YEAR OR MORE
7	9405	3648	437.76	-91.20	346.56	x1/x2	1	Customer 1	USAGE	A	FT	A YEAR OR MORE
8	9406	4682	561.84	-117.05	444.79	x1/x2	1	Customer 1	USAGE	A	FT	A YEAR OR MORE
9	9407	4852	582.24	-121.30	460.94	x1/x2	1	Customer 1	USAGE	A	FT	A YEAR OR MORE
10	9408	6854	822.48	-171.35	651.13	x1/x2	1	Customer 1	USAGE	A	FT	A YEAR OR MORE
11	9409	2584	310.08	-64.60	245.48	x1/x2	1	Customer 1	USAGE	A	FT	A YEAR OR MORE
12	9410	3489	418.68	-87.22	331.45	x1/x2	1	Customer 1	USAGE	A	FT	A YEAR OR MORE
TOTAL		55768		5297.96			1	Customer 1	USAGE	A	FT	A YEAR OR MORE
Contract: 2		Customer 2										
RATE COMPONENT:	USAGE	ZONE:	B	SERVICE:	TI							
13	9311	0	0	0	0	x1/x2	2	Customer 2	USAGE	B	TI	A YEAR OR MORE
14	9312	0	0	0	0	x1/x2	2	Customer 2	USAGE	B	TI	A YEAR OR MORE
15	9401	0	0	0	0	x1/x2	2	Customer 2	USAGE	B	TI	A YEAR OR MORE
16	9402	0	0	0	0	x1/x2	2	Customer 2	USAGE	B	TI	A YEAR OR MORE
17	9403	67892	1357.84	0	1357.84	x1/x2	2	Customer 2	USAGE	B	TI	A YEAR OR MORE
18	9404	5287	105.74	0	105.74	x1/x2	2	Customer 2	USAGE	B	TI	A YEAR OR MORE
19	9405	0	0	0	0	x1/x2	2	Customer 2	USAGE	B	TI	A YEAR OR MORE
20	9406	0	0	0	0	x1/x2	2	Customer 2	USAGE	B	TI	A YEAR OR MORE
21	9407	0	0	0	0	x1/x2	2	Customer 2	USAGE	B	TI	A YEAR OR MORE
22	9408	157463	3149.26	0	3149.26	x1/x2	2	Customer 2	USAGE	B	TI	A YEAR OR MORE
23	9409	0	0	0	0	x1/x2	2	Customer 2	USAGE	B	TI	A YEAR OR MORE
24	9410	0	0	0	0	x1/x2	2	Customer 2	USAGE	B	TI	A YEAR OR MORE
TOTAL		230642		4612.84			2	Customer 2	USAGE	B	TI	A YEAR OR MORE
Contract: 3		Customer 3										
RATE COMPONENT:	USAGE	ZONE:	C	SERVICE:	TI							
25	9311	0	0	0	0	x1/x2	3	Customer 3	USAGE	C	TI	A YEAR OR MORE
26	9312	6258	125.16	0	125.16	x1/x2	3	Customer 3	USAGE	C	TI	A YEAR OR MORE
27	9401	0	0	0	0	x1/x2	3	Customer 3	USAGE	C	TI	A YEAR OR MORE
28	9402	0	0	0	0	x1/x2	3	Customer 3	USAGE	C	TI	A YEAR OR MORE
29	9403	5825	116.5	0	116.5	x1/x2	3	Customer 3	USAGE	C	TI	A YEAR OR MORE
30	9404	0	0	0	0	x1/x2	3	Customer 3	USAGE	C	TI	A YEAR OR MORE
31	9405	4902	98.04	0	98.04	x1/x2	3	Customer 3	USAGE	C	TI	A YEAR OR MORE
32	9406	0	0	0	0	x1/x2	3	Customer 3	USAGE	C	TI	A YEAR OR MORE
33	9407	2258	45.16	0	45.16	x1/x2	3	Customer 3	USAGE	C	TI	A YEAR OR MORE
34	9408	0	0	0	0	x1/x2	3	Customer 3	USAGE	C	TI	A YEAR OR MORE
35	9409	0	0	0	0	x1/x2	3	Customer 3	USAGE	C	TI	A YEAR OR MORE
36	9410	3679	73.58	0	73.58	x1/x2	3	Customer 3	USAGE	C	TI	A YEAR OR MORE
TOTAL		22922		458.44			3	Customer 3	USAGE	C	TI	A YEAR OR MORE

The entire spreadsheet must appear in the file. The last six columns of data would not appear on the printed version of the schedule.

VII. RATE FILINGS - SAMPLE TAB DELIMITED FILE

(as it would appear in the text file and in the native application)

Docket No. _____
Statement ____

Legal Name of the Company
Statement Title
12 Mos. Ending March 31, 1997

Line Number	Row Description	First Column	Second Column	Third Column	Fourth Column	Fifth Column	Sixth Column
1	First Row	Data	Data	Data	Data	Data	Data
2	Second Row	Data	Data	Data	Data	Data	Data
3	Third Row	Data	Data	Data	Data	Data	Data

Descriptive Text

(as it would appear with Tabs and CR/LF denoted schematically as [] and <hrt>, respectively.)

```
[ ] [ ] [ ] [ ] [ ] [ ] Docket No. _____ <hrt>
[ ] [ ] [ ] [ ] [ ] [ ] Statement ____ <hrt>

[ ] [ ] Legal Name of Company <hrt>
[ ] [ ] [ ] [ ] Statement Title <hrt>
[ ] [ ] [ ] [ ] 12 Months Ending March 31, 1997 <hrt>

Line [ ] Row [ ] First [ ] Second [ ] Third [ ] Fourth [ ] Fifth [ ] Sixth <hrt>
Number [ ] Description [ ] Column [ ] Column [ ] Column [ ] Column [ ] Column [ ] Column <hrt>

1 [ ] First Row [ ] Data [ ] Data [ ] Data [ ] Data [ ] Data [ ] Data <hrt>
2 [ ] Second Row [ ] Data [ ] Data [ ] Data [ ] Data [ ] Data [ ] Data <hrt>
3 [ ] Third Row [ ] Data [ ] Data [ ] Data [ ] Data [ ] Data [ ] Data <hrt>

[ ] [ ] Descriptive Text [ ] [ ] [ ] [ ] [ ] [ ] <hrt>
```

APPENDIX A
FILE CREATION HINTS

TAB-DELIMITED FILES

1. If you are using wordprocessing software to create a tab-delimited file, make sure the package you select has the capability to convert a "TAB" character to an ASCII 9 - decimal or 09 - hexadecimal character, and does not just convert the "TAB" into a certain number of blank spaces. To save a file in tab-delimited format, use the following instructions:
 - A WordPerfect:
 1. DOS versions through 5.1 - Create the individual records using the "TAB" key to separate the data items and the "Enter" key to end each record with a carriage return/line feed. Save the file using the "Text In/Text Out" / "Save As" / "Generic" commands.
 2. DOS version 6.0 - Create the individual records using the "TAB" key to separate the data items and the "Enter" key to end each record with a carriage return/line feed. Save the file using the "File" / "Save As" / "ASCII Text (Stripped)" commands.
 3. Windows versions 5.2 and 6.1 - Create the individual records using the "TAB" key to separate the data items and the "Enter" key to end each record with a carriage return/line feed. Save the file using the "File" / "Save As" / "ASCII Generic Wordprocessor (DOS)" commands.
 - B. Microsoft Word: Create the individual records using the "TAB" key to separate the data items and the "Enter" key to end each record with a carriage return/line feed. Save the file using the "File" / "Save As" / "Save File As Type" / "Text Only (*.txt)" commands.
 - C. Windows Write: Create the individual records using the "TAB" key to separate the data items and the "Enter" key to end each record with a carriage return/line feed. Save the file using the "File" / "Save As" / "Save File As Type" / "Text Files (*.TXT)" commands.
2. If using a spreadsheet program to create the electronic filing, make sure that it can save the spreadsheet as a "TAB" delimited file. The only spreadsheet program that

staff has accessibility to, and has found capable of saving "TAB" delimited files, is Microsoft Excel for Windows.

- A. Excel 4.0: Create the individual records using the spreadsheet column cells to separate the data items and rows for each record. Save the file using the "File" / "Save As" / "Save File As Type" / "Text (OS/2 or MS_DOS)" commands.
 - B. Excel 5.0: Create the individual records using the spreadsheet column cells to separate the data items and rows for each record. Save the file using the "File" / "Save As" / "Save File As Type" / "Text (Tab delimited)" commands.
3. To test whether or not you have truly created a "TAB" delimited file, read the file into a wordprocessor program and change the "TAB" settings of the document. If the text from the delimited file changes with the new "TAB" settings, then the original file you created was in a "TAB" delimited format.

ASCII FLAT FILE

1. It is important to save your wordprocessing document in an ASCII file format which preserves as much of the original document's appearance as possible. In order to best accomplish this task you should use the following tips:
 - A. Use a basic nonproportional font such as 'Courier'.
 - B. Use a pitch of 10 characters per inch (cpi) as your basic character size. If more characters per line are necessary, then use either 12 or 15/17 cpi. Any larger number for the pitch will cause the characters to be too small to read.
 - C. Be aware that special wordprocessor formatting characteristics such as bold, italics, underlining, etc., will not translate to ASCII. Use these special formatting characters sparingly or not at all. Try to keep your original document as generic in appearance as possible. You may use tabs, indents, headers, footers, footnotes, line numbering and page numbering as these formatting codes should convert to an ASCII equivalent. Please test other formatting options prior to creating your final wordprocessing documents to see which codes will convert to the ASCII format.
2. The following instructions are for converting several different wordprocessing software files into ASCII file format. The commands (and options within commands) to

use for each software package are shown enclosed in quotes.

A. WordPerfect (DOS versions up to 6.0):

From the "Print" menu screen select the "Dos Text Printer" from your list of available printers. If this printer is not shown in the list then it will have to be installed. Since there are several different ways to install this printer depending on where the printer driver is located, you should refer to your WordPerfect documentation to perform this task. For reference purposes, the printer driver file name for this printer is DOTEHPRI.PRS.

Once the "DOS Text Printer" has been installed, then it must be configured to write the output to a file (rather than the printer) by using the "File" / "Print" / "Select Printer" / "Edit" / "Port" commands. At the prompt type the drive\path\filename of the ASCII flat file you want to create and save your document to. Then "Exit" (F7 key) back to the "Print" menu screen and execute the print "Full Document" command. The WordPerfect document will be converted to ASCII and written to the file you typed in at the "Port" option. You can check the ASCII file by using any ASCII or DOS text editor (for example, the DOS command edit.com for DOS versions 6.0 and higher).

B. For all Windows 3.1 versions of wordprocessing software such as WordPerfect, Windows Write, and Microsoft Word:

From the "Printer Setup" menu within the wordprocessing software select the "Generic / Text Only" printer from your list of available printers. If you don't have this printer listed as a selection then you must install it by using the following procedure.

Go to PROGRAM MANAGER and select "Control Panel" from the MAIN window under PROGRAM MANAGER. Next, double click on the "Printers" icon, click once on the "Add" button, highlight the "Generic / Text Only" entry and click on the "Install" button. Then click once on the "Connect" button and scroll down to highlight the "FILE" option and click once on the "OK" button. Now close the "Printers" window and then the "Control" window.

Once you have performed this printer installation, all of your Windows wordprocessing software will now have the "Generic / Text only" printer as an option for printing. Each time you select and print to this

printer while in your wordprocessing software, you will be prompted to type in a filename for the document to be printed to and saved as an ASCII file. You can review the ASCII file using the Windows NOTEPAD program which is normally located within the ACCESSORIES window of PROGRAM MANAGER.

NATIVE APPLICATION FILES

Save the file as you normally do.

APPENDIX B

STATEMENT AND SCHEDULE ABBREVIATIONS

The following abbreviations apply to the statements and schedules named in section 154.212:

<u>Statement Name</u>	<u>Abbreviation for File Name</u>
Statement A, Cost of Service Summary	A
Statement B, Rate Base and Return Summary	B
Schedule B-1, Accumulated Deferred Income Taxes	B1
Schedule B-2, Regulatory Asset and Liability	B2
Statement C, Cost of Plant Summary	C
Schedule C-1, End of Base and Test Period Plant Functionalized	C1
Schedule C-2, Work Orders	C2
Schedule C-3, Storage Data	C3
Schedule C-4, Methods and Procedures for Capitalizing AFUDC	C4
Schedule C-5, Gas Plant in Service not used for Gas Service	C5
Statement D, Accumulated Provisions for Depreciation, Depletion, and Amortization	D

Schedule D-1,	Depreciation Reserve Book Balance Workpaper	D1
Schedule D-2,	Methods and Procedures for Depreciating, Depleting, and Amortizing Plant	D2
Statement E,	Working Capital	E
Schedule E-1,	Computation of Cash Working Capital Adjusting Rate Base	E1
Schedule E-2,	Materials, Supplies, and Prepayments	E2
Schedule E-3,	Storage Inputs, Outputs, and Balances	E3
Statement F-1,	Rate of Return Claimed	F1
Statement F-2,	Capitalization and Rate of Return	F2
Statement F-3,	Debt Capital	F3
Statement F-4,	Preferred Stock Capital	F4
Statement G,	Revenues, Credits, and Billing Determinants	G
Schedule G-1,	Base Period Revenues	G1
Schedule G-2,	Adjustment Period Revenues	G2
Schedule G-3,	Adjustments to Base Period Actual Billing Determinants	G3
Schedule G-4,	At-Risk Revenue	G4
Schedule G-5,	Other Revenues (Accounts 490-495)	G5

Schedule G-6,	Miscellaneous Revenues (Penalties, Cash-outs, and Exit Fees)	G6
Statement H-1,	Operation and Maintenance Expense	H1
Schedule H-1(1)	Expenses in Accounts 810, 811, and 812	H11
Schedule H-1(1)(a),	Labor Costs	H11a
Schedule H-1(1)(b),	Materials and Other Charges	H11b
Schedule H-1(1)(c),	Quantities Associated with Accounts 810, 811, and 812	H11c
Schedule H-1(2),	Additional Expenses	H12
Schedule H-1(2)(a),	Accounts 806, 808.1, 808.2, 809.1, 809.2, 813, 823, and Other Accounts Recording Fuel Use or Losses	H12a
Schedule H-1(2)(b),	Accounts 913 and 930.1, Advertising Expenses	H12b
Schedule H-1(2)(c),	Account 921, Office Supplies and Expenses	H12c
Schedule H-1(2)(d),	Account 922, Administrative Expenses Transferred Credit	H12d
Schedule H-1(2)(e),	Account 923, Outside Services Employed	H12e
Schedule H-1(2)(f),	Account 926, Employee Pensions and Benefits	H12f
Schedule H-1(2)(g),	Account 928, Regulatory Commission Expenses	H12g
Schedule H-1(2)(h),	Account 929, Duplicate Charges	H12h

Schedule I-2,	Classification of Cost of Service	I2
Schedule I-3,	Allocation of Cost of Service	I3
Schedule I-4,	Transmission and Compression of Gas by Others - Account 858	I4
Schedule I-5,	Gas Balance	I5
Statement J,	Comparison and Reconciliation of Estimated Operating Revenues with Cost of Service	J
Schedule J-1,	Summary of Billing Determinants	J1
Schedule J-2,	Derivation of Rates	J2
Statement L,	Balance Sheet	L
Statement M,	Income Statement	M
Statement O,	Description of Company Operations	O
Statement P,	Explanatory Text and Prepared Testimony	P

The following abbreviations apply, as noted, to the schedules named in section 154.313:

Schedule A,	Overall Cost of Service by Function	A
Schedule B,	Overall Rate Base and Return	B
Schedule B-1,	Accumulated Deferred Income Taxes	B1

Schedule B-2,	Regulatory Asset and Liability	B2
Schedule C,	Cost of Plant Summary	C
Schedule D,	Accumulated Provisions for Depreciation, Depletion, Amortization, and Abandonment	D
Schedule E,	Working Capital	E
Schedule F,	Rate of Return	F
Schedule G,	Revenues and Billing Determinants	G
Schedule G-1,	Adjustment Period Revenues	G1
Schedule H,	Operation and Maintenance Expenses	H
Schedule H-1	Workpapers for Expense Accounts	H1
Schedule H-2	Depreciation, Depletion, Amortization, and Negative Salvage Expenses	H2
Schedule H-3,	Income Tax Allowances Computed on the Basis of the Rate of Return Claimed	H3
Schedule H-3(1),	Reconciliation between Book and Tax Depreciable Plant	H31
Schedule H-4,	Other Taxes	H4

In the event the pipeline must include additional material which does not fit within the definition of the statements and schedules listed above, enter the additional material as a statement using a letter not already in use, for example, Statement R. The abbreviation will

be the letter chosen. In the example given, the abbreviation for use in the file name would be R.