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CHAPTER 6.

NATURAL GAS.

ARTICLE 1.

GENERAL.

Rule R6-1. APPLICATION OF RULES.

These rules apply to any gas utility operating within the State of North Carolina under the jurisdiction of the North Carolina Utilities Commission and also to interstate natural gas companies having pipeline facilities located in North Carolina insofar as safety is concerned.

- (1) These rules are intended to promote safe and adequate service to the public, to provide standards for uniform and reasonable practices by utilities, and to establish a basis for determining the reasonableness of such demands as may be made by the public upon the utilities.
- (2) If unreasonable hardship to a utility or to a customer results from the application of any rule herein prescribed, application may be made to the Commission for the modification of the rule or for temporary or permanent exemption from its requirements.
- (3) The adoption of these rules shall in no way preclude the Commission from altering or amending them, or from making such modifications with respect to their application as may be found necessary to meet exceptional conditions.
- (4) These regulations shall in no way relieve any utility from any of its duties under the laws of this State.

(NCUC Docket No. G 100, Sub 9, 7/26/67.)

Rule R6-2. DEFINITIONS.

- (a) "Utility" means any gas company operating under the jurisdiction of the Commission, including in the case of safety rules and regulations, any interstate pipeline company subject to the safety jurisdiction of the Commission pursuant to G.S. 62 50.
- (b) "Customer" means any person, firm, association, or corporation, or any agency of the federal, State, or local government, being supplied with gas service by a gas utility.
- (c) "Premises" means a piece of land or real estate, including buildings and other appurtenances thereon.
- (d) "Gas plant" means all facilities owned by a gas utility for the production, storage, transmission, and distribution of gas.
- (e) "Main" means a gas pipe, owned, operated, or maintained by a utility, which is used for the purpose of transmission or distribution of gas, but does not include "gas service line."
- (f) "Gas service line" is the pipe that runs between a main or a pipeline and a customer's meter.
- (g) "Meter," without other qualification, shall mean any device, or instrument which is used by a utility in measuring a quantity of gas.
- (h) "Check flow" means a flow at approximately 20% of the rated capacity of a meter at a pressure of 1-1/2" water column on prover.
- (i) "Full rated flow" means a flow of 100% of the rated capacity of meter at a pressure of 1-1/2" water column on prover.
- (j) "Open rated flow" means a flow with meter outlet unrestricted at a pressure of 1-1/2" water column on prover.
- (k) "Cubic foot" of gas as used in these rules shall have the following meanings:
 - (1) Where gas is supplied and metered to customers at the pressure normally used for domestic customers' appliances, a cubic foot of gas shall be that quantity of gas which, at the temperature and pressure existing in the meter, occupies one cubic foot.
 - (2) When gas is supplied to customers at other than the pressure in (1) above, a cubic foot of gas shall be that quantity of gas which, at a temperature of 60° F. and a base pressure of 14.73 pounds per square inch absolute, occupies one cubic foot, atmospheric pressure assumed to be 14.73.
 - (3) The standard cubic foot of gas for testing the gas itself for heating value shall be that quantity of gas, saturated with water vapor, which at a temperature of 60° F. and a pressure of 30 inches of mercury, occupies one cubic foot. (Temperature of mercury = 32° F. acceleration due to

gravity = 32.17 feet per second; density 13.595 grams per cubic centimeter).

(l) "Interruption of service" means any disturbance of the gas supply whereby the pilot flame on the appliances of at least 50 customers shall have been extinguished.

(m) The abbreviations used, and their meanings, shall be as follows:

- (1) BTU — British Thermal Unit.
- (2) LP Gas — Liquefied Petroleum Gas.
- (3) psig — Pounds Per Square Inch, Gauge.
- (4) W.C. — Water Column.

(NCUC Docket No. G 100, Sub 9, 7/26/67; NCUC Docket No. G-100, Sub 90, 4/29/11.)

**Rule R6-2.1. DEFERRED PURCHASED GAS EXPENSE ACCOUNT FOR
EMERGENCY GAS; RECOVERY OF COSTS; MONTHLY REPORTS.**

Repealed by NCUC Docket No. G-100, Sub 79, 12/02/99

ARTICLE 2.

RECORDS AND REPORTS.

Rule R6-3. LOCATION OF RECORDS.

All records required by these rules, or necessary for the administration thereof, shall be kept within this State, unless otherwise authorized by the Commission. These records shall be available for examination by the Commission, the Public Staff, or their authorized representatives at all reasonable hours.

(NCUC Docket No. M-100, Sub 75, 10/27/77.)

Rule R6-4. RETENTION OF RECORDS.

Unless otherwise specified by the Commission, all records required by these rules shall be preserved for the period of time specified in the current edition of the National Association of Regulatory Utility Commissioners' publication "Regulations to Govern the Preservation of Records of Gas, Electric and Water Utilities."

(NCUC Docket No. G-100, Sub 74, 12/4/97.)

Rule R6-5. DATA TO BE FILED WITH THE COMMISSION.

The utility shall file with the Commission the following documents and information, and shall maintain such documents and information in a current status:

- (1) A copy of the utility's tariff, including the utility's rules, or terms and conditions describing the utility's policies and practices in rendering service. These rules shall include:
 - a. The standard total heating value of the gas in BTUs per cubic foot. If necessary, this may be listed by district, division, or community.
 - b. The list of the items which the utility furnishes, owns, and maintains on the customer's premises, such as gas services, meters, regulators, vents, and shut-off valves.
 - c. General statement indicating the extent to which the utility will provide free service in the adjustment of customer's appliances.
 - d. General statement of the utility's policy in making adjustments for wastage of gas when such wastage occurs without the knowledge of the customer.
 - e. A statement indicating the minimum number of days allowed for payment of the gross amount of the customer's bill before service will be discontinued for nonpayment.
- (2) A copy of each special contract for service.
- (3) A copy of each type of customer bill form.
- (4) A map showing the utility's operating area. This map shall be revised annually unless such revision is unnecessary, in which event the utility shall notify the Commission that the map on file is current. The map should show:
 - a. Gas production plant.
 - b. Principal storage holders.
 - c. Principal transmission and distribution mains by size.
 - d. System metering (supply) points.
 - e. State boundary crossings.
 - f. Franchise area.
 - g. Names of all communities (post offices) served.
- (5) The name, title, address, and telephone number of the person who should be contacted in connection with:
 - a. General management duties.
 - b. Customer relations (complaints).
 - c. Engineering operations.
 - d. Meter tests and repairs.
 - e. Emergencies during nonoffice hours.
- (6) A copy of the utility's construction and operational budget filed annually by said utility.

- (7) Monthly reports of gas service.
 - a. Each utility shall file a "Gas Service" monthly report, on forms provided by the Commission, showing:
 - 1. The daily and the monthly average heating value of the gas.
 - 2. Interruptions of service occurring during the month.
 - 3. Meter report G 1 (revised).
 - b. These reports shall be due in the Commission's offices within thirty (30) days after the end of the month reported.
- (8) The responsibility for the maintenance of necessary records to establish that compliance with these rules has been accomplished rests with the utility. Such records shall be available for inspection at all times by the Commission or the Commission Staff or the Public Staff.
- (9) Two copies of annual report on forms furnished by the Commission.
- (10)
 - a. At least 30 days prior to the construction or major reconstruction of any gas pipeline or main intended to be subjected to pressures in excess of 100 psig, a report shall be filed with the North Carolina Utilities Commission setting forth the specifications for such pipeline or main.
 - b. The Commission shall be advised with at least 24 hours' notice prior to the testing of any gas pipeline or main intended to be subjected to pressures in excess of 100 psig.
 - c. Within 60 days after the construction of any gas pipeline or main intended to be subjected to pressures in excess of 100 psig is placed in operation, a report shall be filed with the North Carolina Utilities Commission certifying the maximum pressure to which the line is intended to be subjected and also certifying that the pipeline has been constructed and tested in accordance with the requirements of the rules herein prescribed, which report shall include the results of all tests made pursuant thereto. No gas pipeline shall be operated at pressures in excess of the pressure for which it was certified to the North Carolina Utilities Commission.
- (11) Repealed.

(NCUC Docket No. G-100, Sub 7, 5/31/67; NCUC Docket No. G-100, Sub 34, 10/5/77; NCUC Docket No. M-100, Sub 75, 10/27/77; NCUC Docket No. G-100, Sub 53, 10/25/89; 8/18/94; NCUC Docket No. G-100, Sub 74, 12/4/97; G-100, Sub 86, 09/04/03; NCUC Docket No. M-100, Sub 140, 12/03/13; NCUC Docket Nos. G-9, Sub 712; G-5, Sub 581; G-41, Sub 52; G-40, Sub 143; G-100, Sub 53, 10/25/2017.)

Rule R6-5.1. NOTICE OF TARIFF CHANGES.

Each tariff filing involving any change in any existing tariff, whether made in the context of a general rate case or any other type of proceeding, shall include a copy of the existing tariff showing by cross outs and italicized inserts all proposed changes in rates, charges, terms and conditions, service rules and regulations, and other text.

(NCUC Docket No. G-100, Sub 46, 1/21/87.)

ARTICLE 3.

GENERAL REQUIREMENTS.

Rule R6-6. DISPOSITION OF GAS.

- (a) All gas sold by a utility shall be on the basis of meter measurement unless otherwise authorized by the Commission.
- (b) Wherever practicable, consumption of gas within the utility itself, or by administrative units associated with it, shall be metered.

Rule R6-7. METER READING SHEETS, CARDS OR DATA.

The meter reading sheets, cards or data shall show:

- (1) Customer's name, address, and rate schedule.
- (2) Identifying number and/or description of the meter(s).
- (3) Meter readings.
- (4) If the reading has been estimated.
- (5) Multiplier or constants should be shown if applicable.

(NCUC Docket No. G-100, Sub 74, 12/4/97.)

Rule R6-8. METER READING INTERVAL.

Meters shall be read monthly, except that authority may be obtained from the Commission for reading the meters at other than monthly intervals. As nearly as practicable, utilities shall avoid sending a customer two successive estimated bills.

Rule R6-9. CONDITION OF METER.

No meter shall be installed which is mechanically defective, has an incorrect correction factor or has not been tested and adjusted in accordance with Rule R6 26. The capacity of the meter and the index mechanism should be consistent with the gas requirements of the customer.

Rule R6-10. TEMPORARY SERVICE.

When the utility renders temporary service to a customer, it may require that the customer bear all the cost of installing and removing the service in excess of any salvage realized.

Rule R6-11. EXTENSION PLAN.

Each utility shall develop a plan, acceptable to the Commission, for the installation of extensions of main and service lines where such facilities are in excess of those included in the regular rates for service and for which the customer shall be required to pay all or part of the cost. This plan must be related to the investment that prudently can be made for the probable revenue.

ARTICLE 4.

CUSTOMER RELATIONS.

Rule R6-12. CUSTOMER INFORMATION.

Each utility shall:

- (1) Maintain up to date maps, plans, or records of its entire transmission and distribution systems, with such other information as may be necessary to enable the utility to advise prospective customers, and others entitled to the information, as to the facilities available for serving any locality.
- (2) Assist the customer or prospective customer in selecting the most economical rate schedule.
- (3) Notify customers, as required by the Commission, affected by a change in rates or schedule classification.
- (4) Post a notice in a conspicuous place in each office of the utility where applications for service are received, informing the public that copies of the rate schedules and rules relating to the service of the utility, as filed with the Commission, are available for inspection.
- (5) Upon request, inform its customers as to the method of reading meters.
- (6) Furnish such additional information as the customer may reasonably request.
- (7) During July and August of each year, consumption for each customer for the twelve-months ending June 30 of such year and the prior year shall be reviewed. If it is found that the customer has either increased or decreased his annual consumption based on the two prior years' consumption to the point it would place him on a different rate schedule, the customer shall be automatically reclassified to the proper rate schedule effective the following September 1. In determining consumption, periods of involuntary curtailment shall be excluded.

Each customer reclassified under this rule shall be notified of the change in rate schedule, along with a copy of the tariff sheets applicable to his old and new rate schedules, at least twenty-one days prior to the effective date of the change.

(NCUC Docket No. G-100, Sub 48, 2/22/91.)

Rule R6-13. CUSTOMER.

Repealed by NCUC Docket No. M-100, Sub 28, 5/6/70, effective July 1, 1970.

Rule R6-14. CUSTOMER BILL FORMS.

The utility shall bill each customer as promptly as possible following the reading of his meter. The bill shall show:

- (1) The reading of the meter at the beginning and at the end of the period for which the bill is rendered.
- (2) The date on which the meter was read at the end of the billing period.
- (3) The number of units metered.
- (4) Identification of the applicable rate schedule.
- (5) The gross and/or net amount of the bill.
- (6) The date by which the customer must pay the bill in order to benefit from any discount or to avoid any penalty.
- (7) A distinct marking to identify an estimated bill.
- (8) Any conversion from meter reading units to billing units, or any calculations to determine billing units from recording or other devices, or any other factors, such as purchased gas or fuel adjustments, used in determining the bill. In lieu of such information on the bill, a statement must be on the bill advising that such information can be obtained by contacting the utility's principal office.

Rule R6-15. ADJUSTMENT OF BILLS DUE TO INACCURATE METERS FOR RESIDENTIAL AND SMALL COMMERCIAL CUSTOMERS.

Bills which are incorrect due to meter errors where the meters in question have not been tampered with by the customer are to be adjusted as follows:

- (1) Meter Accuracy. — Whenever a meter in service is tested and found to be accurate within 2%, there shall be no adjustment to the customer's bill.
- (2) Billing Adjustments. — Billing adjustments due to fast or slow meters shall be calculated on the basis that the meter should be 100% accurate. The actual accuracy shall be the accuracy determined by averaging the results at the check and open rated flow.
 - (a) Fast Meters. — Whenever a meter in service is tested and found to have overregistered more than 2%, the utility shall adjust the customer's bill for the excess amount paid as determined below, except that the utility need not adjust the customer's bill if the excess amount paid is less than \$5.00.
 - (i) If the time at which the error first developed or occurred can reasonably be determined, the estimated amount of overcharge is to be based on the actual period of the overcharge but not to exceed a maximum of three (3) years from the discovery of the error.
 - (ii) If the time at which the error first developed or occurred cannot reasonably be determined, the estimated amount of overcharge is to be based on the most recent twelve (12) month period from the discovery of the overcharge.
 - (iii) No part of the minimum bill or facilities charge shall be refunded.
 - (iv) The utility shall not be required to make refunds to more than the last two customers who purchased gas through a fast meter as defined in the rule.
 - (b) Slow Meters. — Whenever a meter in service is tested and found to have underregistered more than 2%, the utility shall adjust the customer's bill for the deficient amount due as determined below except that the utility need not adjust the customer's bill if the deficient amount due is less than \$5.00.
 - (i) Regardless of whether the time at which the error first developed can or cannot reasonably be determined, the estimated amount of undercharge may not exceed one (1) year.
 - (ii) When billing for the underregistered usage and the undercharge exceeds \$25.00, the utility shall allow the customer the option of paying the undercharge in equal payments, without any penalty or interest charges, for a

period of time equal to the period during which the meter underregistered, up to a maximum of one (1) year.

- (c) Nonregistering Meters. — Whenever a meter is found to be stopped, the utility may estimate and bill the customer the proper charge for the unregistered service by reference to the customer's consumption during similar normal periods or by such method as the Commission may authorize or direct.
 - (i) The utility may backbill the customer from the point in time the meter stopped, up to a maximum of twelve (12) months.
 - (ii) When billing for the nonregistered usage, the utility shall allow the customer the option of paying the undercharge in equal payments, without any penalty or interest charges, for a period not to exceed the customer's next six (6) billing periods.

(NCUC Docket No. G-100, Sub 71, 8/1/96.)

Rule R6-16. REASONS FOR DENYING SERVICE.

Service may be refused or discontinued for any of the reasons listed below. Unless otherwise stated, the customer shall be allowed a reasonable time in which to comply with the rule before service is discontinued.

- (1) Without notice in the event of a condition determined by the utility to be hazardous.
- (2) Without notice in the event of customer use of equipment in such a manner as to adversely affect the utility's equipment or the utility's service to others.
- (3) Without notice in the event of tampering with the equipment furnished and owned by the utility.
- (4) Without notice in the event of unauthorized use.
- (5) For violation of and/or noncompliance with these rules and regulations.
- (6) For failure of the customer to fulfill his contractual obligations for service and/or facilities subject to regulation by the Commission.
- (7) For failure of the customer to permit the utility reasonable access to its equipment.
- (8) Repealed by NCUC Docket No. M-100, Sub 28, 5/6/70, effective July 1, 1970.
- (9) Repealed by NCUC Docket No. M-100, Sub 28, 5/6/70, effective July 1, 1970.
- (10) For failure of the customer to furnish such service equipment, permits, certificates, and/or rights of way, as shall have been specified by the utility as a condition to obtaining service, or in the event such equipment or permissions are withdrawn or terminated.

(NCUC Docket No. M-100, Sub 28, 5/16/70.)

Rule R6-17. INSUFFICIENT REASONS FOR DENYING SERVICE.

The following shall not constitute sufficient cause for refusal of service to a present or prospective customer:

- (1) Delinquency in payment for service by a previous occupant of the premises to be served.
- (2) Failure to pay for merchandise purchased from utility.
- (3) Failure to pay for a different type or class of public utility service.
- (4) Failure to pay the bill of another customer as guarantor thereof.

Rule R6-18. CHANGE IN CHARACTER OF SERVICE.

The following procedure shall be followed whenever there is a material change in the character of the gas service:

- (1) Changes under the Control of the Utility. — The utility shall make such changes only with the approval of the Commission, and after adequate notice to the customers.
- (2) Changes Not under the Control of the Utility. — The utility shall maintain the proper combustibility of the gas supplied at the heating valve and specific gravity existing at the customers' meters (See Rule R6-34(b)).

Rule R6-19. CUSTOMER COMPLAINTS.

- (a) Complaints concerning the charges, practices, facilities or service of the utility shall be investigated promptly and thoroughly. The utility shall keep such records of customer complaints as will enable it to review and analyze its procedures and actions.
- (b) A report of incorrectly adjusted appliances shall be given prompt attention.

Rule R6-19.1. PRIORITIES FOR LIMITATIONS ON NEW SERVICE.

(a) Any natural gas company in North Carolina placing any limitations on sales of gas to new customers shall file within thirty (30) days with this Commission a program for sales to new customers and additional sales to existing customers as may be required because of insufficient gas supply, which program shall provide the following order of priorities for such service:

- (1) Gas service to all residential customers requesting service who can be feasibly served, including multiple housing.
- (2) Gas service to small commercial and small industrial users whose requirements do not exceed 20 Mcf per day.
- (3) Industrial customers utilizing natural gas as a raw material or in direct application of gas flame where no other heat is usable.
- (4) Large commercial customers whose requirements exceed 20 Mcf per day.
- (5) Large industrial customers whose requirements exceed 20 Mcf per day.
- (6) Preferred interruptible customers.
- (7) Interruptible customers.
- (8) Dump schedule customers.

(b) Said natural gas utilities shall file such restrictive sales program with this Commission in accordance with subsection (a) of this rule in tariff form, including limitations of the size of interruptible customers, if any, within 30 days after the date of this rule.

(c) All natural gas utility companies in North Carolina without sufficient gas supply for peak day demand shall install as needed sufficient peak shaving equipment to meet the needs of residential customers.

(NCUC Docket No. G-100, Sub 12, 7/27/71, 7/29/71; NCUC Docket No. G-100, Sub 79, 12/02/99.)

Rule R6-19.2. CURTAILMENT OF SERVICE.

(a) In the event that a North Carolina retail gas utility cannot supply the demands of all its customers, the utility shall curtail the customers paying the least margin per dekatherm first. This applies to all customers, be they transportation customers, regular sales rate customers, municipal customers or otherwise. However, if operating conditions require some interruption of service to a particular geographical area instead of a utility's entire system, then curtailment by margin should be applied only to those customers within the affected areas.

(b) If it is necessary to interrupt some but not all customers paying the same margin per dekatherm, then, to the extent practicable, service shall be curtailed to the customers paying the same margin per dekatherm on a pro rata basis for the season.

(c) For the convenience of wording in tariffs, the following definitions of priorities by end use will be retained. However, these priorities are not to be used for purposes of curtailment priorities unless the Commission so orders pursuant to section (d) below.

- (i) Priority 1. Residential. Essential Human Needs With No Alternate Fuel Capability. Commercial less than 50 Mcf/day.
 - 1.1 Residential requirements and essential human needs with no alternate fuel capability.
 - 1.2 Commercial less than 50 Mcf/day.
- Priority 2. Industrial Less Than 50 Mcf/day. Process, Feedstock and Plant Protection With No Alternate Fuel Capability. Large commercial requirements of 50 Mcf or more per day except for large commercial boiler fuel requirements above 300 Mcf/day.
 - 2.1 Industrial less than 50 Mcf/day.
 - 2.2 Commercial between 50 and 100 Mcf/day.
 - 2.3 Commercial greater than 100 Mcf/day, non boiler use.
 - 2.4 Commercial greater than 100 Mcf/day, with no alternate fuel capability.
 - 2.5 Industrial process, feedstock and plant protection between 50 and 300 Mcf/day, with no alternate fuel capability.
 - 2.6 Industrial process, feedstock and plant protection between 300 and 3,000 Mcf/day, with no alternate fuel capability.
 - 2.7 Industrial process, feedstock and plant protection greater than 3,000 Mcf/day, with no alternate fuel capability.
 - 2.8 Commercial over 100 Mcf/day (excluding commercial Priorities 2.3 and 2.4 and commercial boiler fuel requirements over 300 Mcf/day).
- Priority 3. All other industrial requirements not greater than 300 Mcf per day.
 - 3.1 Industrial non boiler between 50 and 300 Mcf per day.
 - 3.2 Other industrial between 50 and 300 Mcf per day.
- Priority 4. Non boiler use between 300 and 3,000 Mcf/day.

Priority 5. Non boiler use greater than 3,000 Mcf/day.

Priority 6. Boiler fuel requirements of more than 300 Mcf per day but less than 1,500 Mcf per day.

Priority 7. Boiler fuel requirements between 1,500 and 3,000 Mcf/day.

Priority 8. Boiler fuel requirements between 3,000 and 10,000 Mcf/day.

Priority 9. Boiler fuel requirements greater than 10,000 Mcf/day.

(ii) Definitions.

Residential: Service to customers which consists of direct natural gas usage in residential dwelling for space heating, air conditioning, cooking, water heating, and other residential uses.

Commercial: Service to customers engaged primarily in the sale of goods or services, including institutions and governmental agencies, for uses other than those involving manufacturing or electric power generation.

Industrial: Service to customers engaged primarily in a process which creates or changes raw or unfinished materials into another form or product, including the generation of electric power.

Plant Protection Gas: Minimum quantities required to prevent physical harm to the plant facilities or danger to plant personnel when such protection cannot be afforded through the use of an alternate fuel. This includes the protection of such material in process as would otherwise be destroyed but shall not include deliveries required to maintain plant production.

Feedstock Gas: Natural gas used as a raw material for its chemical properties in creating an end product, including atmospheric generation.

Process Gas: Gas use for which alternate fuels are not technically feasible such as in applications requiring precise temperature controls and precise flame characteristics.

Boiler Gas: Gas used as a fuel for the generation of steam or electricity, including the utilization of gas turbines for the generation of electricity.

<i>Alternate Fuel Capability:</i>	A situation where the capability to burn a nongaseous fuel is actually installed.
<i>Essential Human Needs:</i>	Hospitals, nursing homes, orphanages, prisons, sanitariums, and boarding schools, and gas used for water and sewage treatment.
<i>Emergency Service:</i>	Service which if denied would cause shut down of an operation which in turn would result in plant closing.
<i>Margin:</i>	Margin is defined as the filed tariff rate per unit of gas or negotiated rate per unit of gas of a customer, less the cost per unit of gas as determined in the Company's last general rate case or Purchased Gas Adjustment proceeding, adjusted for any temporary decrements or increments in the filed tariff rate.

(d) The Commission may change the curtailment priority system from one of curtailment by margin to curtailment by the end use characteristics listed in the priorities defined in section (c) above, if the Commission so orders, based on good cause shown, upon the Commission's own motion or petition of any interested party. Notice and opportunity to comment shall be given to all North Carolina retail gas utilities, the Public Staff, the Attorney General, and any other parties within the Commission's discretion before such change takes effect.

(e) For end users on the municipal gas systems served by Piedmont Natural Gas Company, Inc. (Piedmont), curtailment shall be on the basis of the combined margin they pay to the City and Piedmont (i.e., the rate the end user is paying to the City behind Piedmont's system rather than the rate the City is paying to Piedmont governs those customers' curtailment priority).

(f) During July and August of each year, consumption for each customer for the twelve-months ending June 30 of such year and the prior year shall be reviewed. If it is found that the customer has either increased or decreased his annual consumption based on the two prior years' consumption to the point it would place him in a different priority classification, the customer shall be automatically reclassified to the proper priority classification effective the following September 1. In determining consumption, periods of involuntary curtailment shall be excluded.

(NCUC Docket No. G-100, Sub 12, 4/1/71; NCUC Docket No. G-100, Sub 24, 9/9/75; NCUC Docket No. G-100, Sub 24, 10/25/77; NCUC Docket No. G-100, Sub 24, 10/11/78; NCUC Docket No. G-100, Sub 24, 10/18/78; NCUC Docket No. G-100, Sub 24, 1/10/79; NCUC Docket No. G-100, Sub 51, 10/31/89; NCUC Docket No. G-100, Sub 48, 2/22/91; G-100, Sub 78, 06/30/99; NCUC Docket No. G-100, Sub 79, 12/02/99; NCUC Docket No. G-100, Sub 90, 4/29/11.)

Rule R6-19.3. USE OF NATURAL GAS IN TORCHES.

Repealed. (NCUC Docket No. G-100, Sub 25A, 07/20/04).

ARTICLE 5.

ENGINEERING.

Rule R6-20. REQUIREMENT FOR GOOD ENGINEERING PRACTICE.

The gas plant of the utility shall be constructed, installed, maintained and operated in accordance with accepted good engineering practice in the gas industry to assure, as far as reasonably possible, continuity of service, uniformity in the quality of service furnished, and the safety of persons and property.

Rule R6-21. ACCEPTABLE STANDARDS.

Unless otherwise specified by the Commission, the utility shall use the applicable provisions in the publications listed below as standards of accepted good practice.

- (1) The ASME Guide for Gas Piping Systems — Appendix G-K (Leakage Classification).
- (2) The latest edition of the American Standards Association pamphlet, ASA Z21.30, "Installation of Gas Appliances and Gas Piping in Buildings," or the latest edition of the National Board of Fire Underwriters publication, NFPA No. 54, "Piping, Appliances and Fittings for City Gas."
- (3) The current edition of the NFPA No. 59, "The Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants."
- (4) "Standard Methods of Gas Testing," Circular No. 48, National Bureau of Standards, 1961. (The applicable portions of this circular have been substantially reproduced in the American Meter Company Handbook E-4, covering the testing of positive displacement meters.)
- (5) "Testing Large Capacity Rotary Gas Meters," Research Paper No. 1741, National Bureau of Standards Journal of Research, September, 1946.
- (6) "Standard Method of Test for Calorific Value of Gaseous Fuels by Water-Flow Calorimeter," American Society for Testing Materials, Standard D 900-55.
- (7) "Purging Principles and Practices," American Gas Association.

(NCUC Docket No. G-100, Sub 7, 5/31/67; NCUC Docket No. G-100, Sub 7, 3/20/68; NCUC Docket No. G-100, Sub 34, 10/5/77.)

Rule R6-22. ACCEPTABLE REFERENCES.

The following publications have not been designated as standards but they may be used as guides to acceptable practice:

- (1) "Accuracy of the Recording Gas Calorimeter When Used with Gases of High BTU Content," by John H. Eiseman, National Bureau of Standards, and Elwin A. Potter, Gas Inspection Bureau of the District of Columbia, AGA Publication No. CEP-55-13.
- (2) "Orifice Metering of Natural Gas," Report No. 3 of the AGA Gas Measurement Committee.
- (3) Reports prepared by the Practical Methods Committee of the Appalachian Gas Measurement Short Course, West Virginia University, as follows:
 - a. Report No. 1, "Methods of Testing Large Capacity Displacement Meters."
 - b. Report No. 2, "Testing Orifice Meters."
 - c. Report No. 3, "Designing and Installing Measuring and Regulating Stations."
 - d. Report No. 4, "Useful Tables for Gas Men."
 - e. Report No. 5, "Prover Room Practices."

Rule R6-23. ADEQUACY OF SUPPLY.

The production and/or storage capacity of the utility's plant, supplemented by the gas supply regularly available from other sources, must be sufficiently large to meet all reasonably expectable demands for firm service.

Rule R6-24. INSPECTION OF GAS PLANT.

Each utility must adopt a program of inspection of its gas plant in order to determine the necessity for replacement and repair. The frequency of the various inspections shall be based on the utility's experience and accepted good practice. Each utility shall keep sufficient records to give evidence of compliance with its inspection program.

ARTICLE 6.

INSPECTIONS AND TESTS.

Rule R6-25. UTILITY INSPECTIONS AND TESTS.

Each utility shall make inspections and tests of meters and associated metering devices as follows:

- (1) Pre-installation Inspections and Tests.
 - a. Every meter and/or associated metering device shall be inspected, tested and sealed in the meter shop of the utility before being placed in service, and the accuracy of each meter shall be within the tolerances permitted by Rule R6-26.
 - b. New or reconditioned meters which have been sealed at the factory need not be resealed in the meter shop of the utility.
 - c. No meter shall be installed if it has been tested as required in subdivision (1)a and held for a period longer than 30 months without retesting.
- (2) Tests to Be Made after Removal of Meters from Service. — All meters and/or associated metering devices shall be tested after they are removed from service. Such tests shall be made before the meters and/or associated metering devices are adjusted, repaired, or retired.
- (3) Leak Tests. — Repaired meters, and meters that have been removed from service, shall be leak tested prior to installation. New meters shall be leak tested in accordance with a sampling method, acceptable to the Commission.
 - a. Meters used for measuring low pressure gas shall be tested and subjected to an internal pressure of at least 20" W.C. and checked for the presence of leaks by one of the tests listed below.
 - b. Meters other than those which are covered by subdivision (3)a of this rule shall be tested and subjected to an internal pressure of 1.1 times the specified maximum working pressure of the meter if shop tested or if such pressures are available in the field but under no less than the available operating pressure if field tested and checked for the presence of leaks by one of the following tests:
 1. Immersion test.
 2. Soap test.
 3. Pressure drop test of a type acceptable to the Commission.
- (4) Request Tests. — Upon request by a customer and at no charge, the utility shall make a test of the meter serving him, provided that such tests need not be made more frequently than once in 18 months.
 - a. The customer, or his representative, may be present when his meter is tested.

- b. A report of the results of the test shall be made to the customer within a reasonable time after the completion of the test, and a record of the report, together with a complete record of each test, shall be kept on file at the office of the utility.
- (5) Periodic Tests. — These test periods may be extended upon application to and approved by the Commission, provided that the utility can prove by its own records that different test periods are adequate for the protection of the public.
- a. Positive displacement meters.
 - 1. Up to 251 cfh (at .5 in water column differential pressure with nonabsorptive diaphragm) — 7 years.
 - 2. Up to 251 cfh (at .5 in water column differential pressure with absorptive type diaphragm) — 5 years.
 - 3. 251 to 1500 cfh (at .5 in water column differential pressure) — 5 years.
 - 4. Over 1500 cfh (at .5 in water column differential pressure) — 2 years.
 - b. Orifice meters — 6 months.
 - c. Base pressure correcting devices — 24 months.
 - d. Base volume correcting devices — 24 months.
 - e. Secondary standards
 - 1. Test bottles, one cubic foot — 10 years.
 - 2. Dead weight testers — 10 years.
 - f. Working standards
 - 1. Bell provers — 5 years.
 - 2. Rotary displacement test meters — 5 years.
 - 3. Flow provers — 5 years.
 - 4. Laboratory quality indicating pressure gauges — 6 months.

(NCUC Docket No. G-100, Sub 79, 12/02/99; NCUC Docket No. M-100, Sub 140, 12/03/13.)

Rule R6-26. TEST PROCEDURES AND ACCURACIES.

(a) Meters and/or associated metering devices shall be tested at the points and adjusted to the tolerances prescribed below. The test of any unit of metering equipment shall consist of a comparison of its accuracy with the accuracy of a standard. The Commission will use the applicable provisions of the standards listed in Rule R6-21 as criteria of accepted good practice in testing meters.

(b) Positive Displacement Meters.

(1) Accuracy at Test Points.

<u>Flow</u>	<u>Adjusted to within</u>
Check flow	98.5%-100.5%
Not less than full rated flow	98.5% 100.5%

(2) Overall Accuracy. — The accuracy at check flow and the accuracy at not less than open rated flow shall agree within one percent.

(c) Orifice Meters. — Accuracy at test points must be within 1/2%, plus or minus.

(d) Timing Devices. — All recording type meters or associated instruments which have a timing element that serves to record the time at which the measurement occurs must be adjusted so that the timing element is not in error by more than plus or minus 4 minutes in 24 hours.

(e) General.

- (1) All meters and/or associated metering devices, when tested, shall be adjusted as closely as practicable to the condition of zero error.
- (2) All tolerances are to be interpreted as maximum permissible variations from the condition of zero error. In making adjustments no advantages of the prescribed tolerance limits shall be taken.

Rule R6-27. FACILITIES AND EQUIPMENT FOR METER TESTING.

- (a) Each utility shall maintain or designate a meter shop for the purpose of inspecting, testing and repairing meters. The shop shall be open for inspection by authorized representatives of the Commission or the Public Staff at all reasonable times, and the facilities and equipment, as well as the methods of measurements and testing employed, shall be subject to the approval of the Commission.
- (b) The area within the meter shop used for the testing of meters shall be designed so that the meters and meter testing equipment are protected from drafts and excessive changes of temperature.
 - (1) The calorimetric equipment shall be installed in a suitably located testing station acceptable to the Commission and subject to inspection by the Commission Staff or the Public Staff.
- (c) The meters to be tested shall be stored in such manner that the temperature of the meters is substantially the same as the temperature of the prover.
- (d) Working Standards. — Each utility shall own and maintain, or have access to, at least one 5 cubic foot bell prover of an approved type, and all other equipment necessary to test meters, which shall be installed in the meter room.
 - (1) Means shall be provided to maintain the temperature of the liquid in the meter prover at substantially the same level as the ambient temperature in the prover room.
 - (2) The meter prover shall be maintained in good condition and correct adjustment so that it shall be capable of determining the accuracy of any service meter to within one half of one percent.
- (e) Each utility having meters which are too large for testing on a 5 cubic foot bell prover shall use a properly calibrated test meter or a properly designed flow prover for testing the large meters.
- (f) Working standards must be checked periodically (see Rule R6-25(5)) by comparison with a secondary standard.
 - (1) Bell provers must be checked with a cubic foot bottle which has been calibrated by the National Bureau of Standards.
 - (2) Rotary displacement test meters must be checked with a bell prover of adequate capacity which has been calibrated by representatives of the National Bureau of Standards.
- (g) Extreme care must be exercised in the use and handling of standards to assure that their accuracy is not disturbed.
- (h) Each standard shall be accompanied at all times by a certificate of calibration card, duly signed and dated, on which are recorded the corrections required to compensate for errors found at the customary test points at the time of the last previous test.

(i) Each utility must have properly calibrated orifices, as may be necessary, to achieve the rates of flow required to test the meters on its system.

(NCUC Docket No. M-100, Sub 75, 10/27/77.)

Rule R6-28. RECORDS OF METERS AND ASSOCIATED METERING DEVICES.

Each utility shall maintain records of the following data, where applicable, for each meter and/or associated metering device until retirement:

- (1) The complete identification — manufacturer, number, type, capacity, multiplier, constants, and pressure rating.
- (2) The dates of installation and removal from service, together with the location.

Rule R6-29. METER TEST RECORDS.

Each utility shall maintain records of at least the last two tests made of any meter. The record of the meter test made at the time of the meter's retirement shall be maintained for a minimum of 3 years. Test records shall include the following:

- (1) The date and reason for the test.
- (2) The reading of the meter before making any test.
- (3) The accuracy "as found" at check and open rated flow.
- (4) The accuracy "as left" at check and open rated flow.
- (5) In the event test of the meter is made by using a test meter or a flow prover, the utility shall retain all data taken at the time of the test in sufficiently complete form to permit the convenient checking of the test methods and the calculations.

ARTICLE 7.

STANDARDS OF QUALITY OF SERVICE.

Rule R6-30. PURITY REQUIREMENTS.

All gas supplied to customers shall be substantially free of impurities which may cause corrosion of mains or piping, or form corrosive or harmful fumes when burned in a properly designed and adjusted burner.

Rule R6-31. PRESSURE REQUIREMENTS.

Repealed by NCUC Docket No. G-100, Sub 34, 10/5/77.

Rule R6-32. PRESSURE SURVEYS AND RECORDS.

(a) Each utility shall make a sufficient number of pressure measurements on its mains and at the customer's meter so that it will have a substantially accurate knowledge of the pressures in the low, intermediate and high pressure systems in each district, division, or community served by its distribution mains.

(b) All pressure records obtained under this rule shall be retained by the utility for at least 2 years and shall be available for inspection by the Commission's representatives. Notations on each record shall indicate the following:

- (1) The location where the pressure check was made.
- (2) The time and date of the check.

Rule R6-33. STANDARDS FOR PRESSURE MEASUREMENTS.

- (a) Secondary Standards. — Each utility shall own or have access to a dead weight tester. This instrument must be maintained in an accurate condition.
- (b) Working Standards. — Each utility must have water manometers, mercury manometers, laboratory quality indicating pressure gauges and field type dead weight pressure gauges as necessary for the proper testing of the indicating and recording pressure gauges used in determining the pressure on the utility's system.
- (c) Periodic Checks. — Working standards must be checked periodically (see Rule R6-25(5)) by comparison with a secondary standard.
- (d) Handling of Standards. — Extreme care must be exercised in the handling of standards to assure that their accuracy is not disturbed.
- (e) Certificates or Calibration Cards. — Each standard shall be accompanied at all times by a certificate or calibration card, duly signed, and dated, on which are recorded the corrections required to compensate for errors found at the customary test points at the time of the last previous test.

Rule R6-34. HEATING VALUE.

(a) **Manufactured and Mixed Gas.** — The heating value of manufactured gas and mixed gas, including LP Gas mixed with air, shall be considered as being under the control of the utility, except that natural gas when mixed with manufactured or LP Gas for peak shaving or emergency purposes shall not be considered a mixed gas.

(1) The average heating value on any one day shall not exceed or fall below the standard total heating value (see Rule R6-5(1)(a)) by more than five percent.

(2) The monthly average heating value shall be not less than the standard total heating value.

(b) **Natural and LP Gas.** — The heating value of natural gas and undiluted, commercially pure LP Gas shall be considered as being not under the control of the utility.

(c) **When Appliances to Be Readjusted.** — The utility shall determine the allowable range of monthly average heating values within which its customers' appliances may be expected to function properly without repeated readjustment of the burners. If the monthly average heating value is above or below the limits of the allowable range for two successive months, the customers' appliances must be readjusted in accordance with Rule R6-18.

Rule R6-35. HEATING VALUE DETERMINATION AND RECORDS.

(a) The utility may not be required to determine the heating value of the gas sold if its gas supply is purchased from pipeline companies which determine the heating value in a manner acceptable to the Commission; however, if the utility sells any of its gas on a BTU basis, it shall determine the heating value and install a calorimeter in the manner provided in subsection (b)(1), (2), (3) of this rule.

(b) The utility, if required to determine heating value under subsection (a) of this rule, shall provide and maintain a calorimeter of a type acceptable to the Commission for the regular determination of the heating value of the gas sold.

- (1) The calorimetric equipment shall be installed in a suitably located testing station acceptable to the Commission and subject to its inspection.
- (2) The accuracy of all calorimeters, as well as the method of making heating value tests, shall be acceptable to the Commission. Recording calorimeters shall be tested with a standard gas at least once each month.
- (3) Heating value test records shall be preserved for at least 3 years.

Rule R6-36. INTERRUPTIONS OF SERVICE.

(a) Each utility, except where interruptions are permitted by tariff or contract, shall make reasonable efforts to avoid interruptions of service; but when interruptions occur, service shall be reestablished within the shortest time practicable, consistent with safety.

(b) Each utility shall keep records of interruptions of service on its system and shall make an analysis of the records for the purpose of determining steps to be taken to prevent recurrence of such interruptions. Such records should include the following concerning the interruptions:

- (1) Cause.
- (2) Date and time.
- (3) Duration.
- (4) Location affected.
- (5) Number of customers affected.

(c) Each utility shall notify the Commission by telephone or facsimile of any interruption of service to a major portion of its system.

(d) A detailed, written report on each interruption of service shall be filed within 30 days following the notice required in (c) above.

(e) Planned interruptions shall be made at a time that will not cause unreasonable inconvenience to customers and shall be preceded by adequate notice to those who will be affected.

(NCUC Docket No. G-100, Sub 7, 5/31/67; NCUC Docket No. G-100, Sub 74, 12/4/97.)

ARTICLE 8.

SAFETY.

Rule R6-37. ACCEPTABLE STANDARDS.

As criteria of accepted good safety practice, the Commission will use the applicable provisions of the standards listed in Rule R6-21.

Rule R6-38. PROTECTIVE MEASURES.

- (a) Each utility shall exercise reasonable care to reduce the hazards to which its employees, its customers, and the general public may be subjected.
- (b) The utility shall give reasonable assistance to the Commission in the investigation of the cause of accidents and in the determination of suitable means of preventing accidents.
- (c) Each utility shall maintain a summary of all reportable accidents arising from its operations.

Rule R6-39. SAFETY PROGRAM.

(a) Each utility shall adopt and execute a safety program, fitted to the size and type of its operations. As a minimum, the safety program should:

- (1) Require employees to use suitable tools and equipment in order that they may perform their work in a safe manner.
- (2) Instruct employees in safe methods of performing their work.
- (3) Instruct employees who, in the course of their work, are subject to the hazard of electrical shock, asphyxiation or drowning, in accepted methods of artificial respiration.

(b) The minimum federal safety standards and the corrosion control standards pertaining to gas pipeline safety and the transportation of natural gas as adopted in 49 CFR, Part 192 and 49 CFR, Part 192 Subpart I, as are in effect on November 15, 1971, and amendments thereto, are adopted and shall be applicable to all natural gas facilities under the jurisdiction of the Commission, except as to those requirements of North Carolina law which exceed or are more stringent than the standards set forth in the above-mentioned federal enactment, and further with the exception of any subsequent modification or amendment to the North Carolina safety standards.

(c) The Federal Safety Standards pertaining to liquefied natural gas facilities, as adopted in 49 CFR, Part 193, and as were in effect on July 15, 1980, and all subsequent amendments thereto, are adopted and shall be applicable to all liquefied natural gas facilities under the jurisdiction of the Commission.

(d) Control of Drug Use. — The Federal Safety Standards pertaining to the control of drug use in natural gas, liquefied natural gas, and hazardous liquid pipeline operations as adopted in 49 CFR, Part 199, and as were in effect on September 19, 1989, and all subsequent amendments thereto, are adopted and shall be applicable to all facilities under the jurisdiction of the Commission.

(e) The Federal Safety Standards pertaining to Grants for State Pipeline Safety Programs; State Adoption of One Call Damage Prevention Program as adopted in 49 CFR, Part 198, and as was in effect on September 20, 1990, and all subsequent amendments thereto, are adopted and shall be applicable to all natural gas facilities under the jurisdiction of the Commission.

(NCUC Docket No. G-100, Sub 13, 12/30/70; NCUC Docket No. G-100, Sub 15, 11/15/71; NCUC Docket No. G-100, Sub 17, 12/20/72; NCUC Docket No. G-100, Sub 19, 11/21/73; NCUC Docket No. G-100, Sub 41, 10/1/80; NCUC Docket No. G-100, Sub 54, 9/19/89; NCUC Docket No. G-100, Sub 56, 12/6/90.)

Rule R6-40. CUSTOMER'S PIPING.

Each customer's piping system shall be tested for leaks before service is turned on.

- (1) Pressure Test. — If local authorities do not require the pressure test of customer's piping, as set forth in section 2.12, "Test of Piping for Tightness," NFPA Standard No. 54, the utility shall advise the customer of the desirability of having his plumber conduct such a test.
- (2) Leakage Test. — Before turning on a gas meter at any location, the piping system supplied shall be tested for leaks by a method at least equal to that described in section 2.13, "Leakage Check after Gas Turn-On," in the latest edition of the American Standard Installation of Gas Appliances and Gas Piping in Buildings, ASA Z21.30.

(NCUC Docket No. M-100, Sub 75, 10/27/77.)

Rule R6-41. GAS LEAKS AND ANNUAL REPORTS.

(a) A report of a gas leak shall be considered as an emergency requiring immediate attention.

(b) The reporting rules and requirements regarding transportation of natural gas and other gas by pipeline as adopted in 49 CFR Part 191, and any subsequent amendments thereto, are adopted with the following modifications:

- (1) Repealed
- (2) Section 191.9(c) — Delete
- (3) Section 191.11(b) — Delete

(c) This rule shall be applicable to all natural gas operators subject to the jurisdiction of the Commission pursuant to G.S. 62-50.

(d) All natural gas operators shall submit two copies of each report called for in Part 191 of Title 49, Code of Federal Regulations, to the Commission. The Chief of the Gas Pipeline Safety Division of the Commission is hereby authorized to transmit one copy of each such required report to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

(NCUC Docket No. G-100, Sub 11, 3/5/70; NCUC Docket No. G-100, Sub 43, 8/6/84; NCUC Docket No. G-100, Sub 99, 5/22/2023; NCUC Docket No. M-100, Sub 196, 9/18/2023.)

Rules R6-42. Repealed by NCUC Docket No. G-100, Sub 34, 10/5/77.

Rules R6-43. Repealed by NCUC Docket No. G-100, Sub 34, 10/5/77.

Rules R6-44. Repealed by NCUC Docket No. G-100, Sub 34, 10/5/77.

Rules R6-45. Repealed by NCUC Docket No. G-100, Sub 34, 10/5/77.

Rules R6-46. Repealed by NCUC Docket No. G-100, Sub 34, 10/5/77.

Rule R6-47. Reserved.

Rules R6-48. Reserved.

Rules R6-49. Reserved.

Rules R6-50. Reserved.

Rules R6-51. Reserved.

Rules R6-52. Reserved.

Rules R6-53. Reserved.

Rules R6-54. Reserved.

Rules R6-55. Reserved.

Rules R6-56. Reserved.

Rules R6-57. Reserved.

Rules R6-58. Reserved.

Rule R6-59. Reserved.

ARTICLE 9.

SERVICE AREAS.

Rule R6-60. EXTENSION OF FACILITIES INTO CONTIGUOUS OCCUPIED TERRITORY.

No natural gas utility shall construct or operate natural gas facilities in territory occupied by and receiving similar service from another natural gas utility except upon written notice to the Commission and to the company occupying and serving the territory, opportunity for public hearing, and written approval by the Commission. Territory which has been assigned to a natural gas utility by the Commission shall be presumed occupied by it and receiving similar service from it, subject to a finding by the Commission that the authorized natural gas utility has waived or disclaimed its right to serve, or that it is not feasible for the authorized company to serve, or that service by the authorized company would be less feasible than for the applicant, or that existing service by the authorized company is inadequate or inferior and that the authorized company reasonably will not or cannot render adequate service or that the natural gas utility has forfeited its exclusive franchise rights pursuant to a finding and order of the Commission issued under Rule R6-63.

(NCUC Docket No. G-100, Sub 6, 5/23/67; NCUC Docket No. G-100, Sub 70, 3/19/96.)

Rule R6-61. CONSTRUCTION OF PIPELINE FACILITIES.

No natural gas utility under the jurisdiction of the Commission shall construct or operate a natural gas pipeline facility outside its designated territory to which the utility has exclusive franchise rights or to be connected to an interstate pipeline, including looping of present facilities, from an interstate supplier without having first applied in writing to, and obtained the written approval of the Commission. Such application shall clearly show that the construction proposed is economically and financially feasible, and will not be wastefully duplicative of existing or proposed construction by any other supplier of natural gas in the State, will not constitute an unfair burden upon applicant's customers in the State, and is in the public interest generally.

If the proposed pipeline facility is within a company's designated territory to which the company has exclusive franchise rights and is to a community for initial service, the natural gas utility shall notify the Commission in writing before entering upon construction or operation of the facility.

(NCUC Docket No. G-100, Sub 6, 5/23/67; NCUC Docket No. G-100, Sub 70, 3/19/96.)

Rule R6-62. SERVICE FROM FACILITIES IN ANOTHER GAS UTILITY'S TERRITORY.

Where a natural gas pipeline constructed, owned, or operated by a natural gas utility subject to jurisdiction of the Commission traverses territory or area designated by the Commission as the authorized territory or service area to which another natural gas utility regulated by the Commission has exclusive franchise rights, and either of said companies finds it necessary or desirable to furnish natural gas for domestic, commercial, industrial, or farm use within an area adjacent to said pipeline and within the boundaries of the territory traversed by the pipeline, the owner of the pipeline shall install the meters, regulators, and taps necessary to furnish the service and shall deliver the natural gas to the company in whose territory or area the pipeline is located at rates and under regulations from time to time filed with and approved by the Commission, and the gas utility having authority to serve in the designated area shall have opportunity to sell and to service said domestic, commercial, industrial, or farm customers.

(NCUC Docket No. G-100, Sub 6, 5/23/67; NCUC Docket No. G-100, Sub 70, 3/19/96.)

Rule R6-63. FORFEITURE OF EXCLUSIVE FRANCHISE RIGHTS.

(a) Purpose. — The purpose of this Rule is to implement the portion of G.S. § 62-36A(b) which provides for expansion of service by each franchised natural gas local distribution company to all areas of its franchise territory within three years, and which further provides that any local distribution company that the Commission determines is not providing adequate service to at least some portion of each county within its franchise territory by July 1, 1998 or within three years of the time the franchise territory is awarded, whichever is later, shall forfeit its exclusive franchise rights to that portion of its territory not being served.

(b) Forfeiture For Failure To Provide Service. — Each natural gas utility shall provide for the expansion of natural gas service to at least some portion of each county within its certificated service territory, as established by the Commission, on or before the following date:

- (i) July 1, 1998 for certificated service territories existing on July 1, 1995, or
- (ii) three years after the date a certificate of public convenience and necessity is awarded for newly certificated service territories, or the natural gas utility shall be subject to forfeiture of its exclusive franchise rights to each such unserved county located within its service territory upon a finding by the Commission that the natural gas utility is not providing adequate service to at least some portion of that county on the applicable date set forth above.

(c) Review Proceedings. — The Commission will initiate a review proceeding for each natural gas utility subject to its jurisdiction following the applicable date set forth in subsection (b)(i) or (ii) above to determine whether the utility is providing adequate service to at least some portion of each county within its franchise territory. The Commission will require the utility to file testimony, and the testimony shall include the following:

- (i) A list of counties in the certificated service territory in which the natural gas utility has no transmission facilities or distribution system in service on such date;
- (ii) A description of any immediate plans the natural gas utility has to serve a portion of any of the unserved counties listed;
- (iii) A description of right-of-way acquisition, natural gas system design work being undertaken, or natural gas system construction work in progress by the natural gas utility on such date in any of the unserved counties listed;
- (iv) Citation by case caption and docket number of any pending application before the Commission for the use of expansion funds for the construction of natural gas facilities in any of the listed unserved counties and a description of the current status of any such expansion fund project to the extent a Commission order approving the project has been issued; and
- (v) Any other information the natural gas utility may wish the Commission to consider relating to its efforts to provide service to the unserved counties listed.

The Commission will allow for interventions by interested persons and will allow all intervenors to participate fully in the review proceedings. The Commission will allow the Public Staff and other intervenors to file testimony, in which they may propose that counties other than those listed by the utility be considered for forfeiture and provide support for their proposal. The Commission will schedule a hearing and will provide for public notice thereof to be given throughout the franchise territory of the utility. Following the hearing, the Commission shall issue an order in which it will determine whether the natural gas utility is providing adequate service to at least some portion of each county within its franchise territory and if the Commission finds that the utility is not providing adequate service to at least some portion of any such county, the Commission will order that the natural gas utility forfeit its exclusive franchise rights to each such county.

(d) Adequate Service. — The Commission will determine whether adequate service is being provided to at least some portion of each county in a natural gas utility's franchise territory based on the review proceedings provided in subsection (c) above. The requirement that adequate service must be provided by the applicable date set forth in subsection (b)(1) or (ii) above may be deemed to have been met for a given county even though the natural gas utility has not actually begun providing service if the following conditions are met:

- (i) the natural gas utility has completed a substantial amount of design process/service for the construction of natural gas facilities into at least some portion of the county, such as the preparation of engineering design for pipe size and capacity parameter, rectifier facilities, route location, materials specifications, construction specifications and drawings by an engineer sufficient to indicate the facilities to be built; or
- (ii) the natural gas utility has begun to acquire rights-of-way for the construction and operation of natural gas facilities in the county; or
- (iii) by at least six months before the applicable date set forth in subsection (b)(i) or (ii) above, the natural gas utility filed an application that complies with the Commission's applicable orders and rules for use of expansion funds for the construction of facilities into at least some portion of the county; and
- (iv) it appears likely that the construction of the facilities will be completed and service will be provided within two years of the applicable date set forth in subsection (b)(i) or (ii) above.

If the natural gas utility meets the above conditions, it will be given two years from the applicable date set forth in subsection (b)(i) or (ii) above to complete construction of its proposed project and begin providing service. If construction of the facilities included in the proposed project are not substantially completed at the end of the two-year period, the Commission shall issue an order requiring the utility to show cause why the Commission should not find that the requirements of G.S. § 62-36A(b) and of this Rule have not been met and why the Commission should not issue an order declaring the natural gas utility to have forfeited its exclusive franchise rights to such county in which the proposed facilities are not completed and in service.

(NCUC Docket No. G-100, Sub 70, 3/19/96.)

Rules R6-64. Reserved.

Rules R6-65. Reserved.

Rules R6-66. Reserved.

Rules R6-67. Reserved.

Rules R6-68. Reserved.

Rules R6-69. Reserved.

ARTICLE 10.

ACCOUNTING.

Rule R6-70. UNIFORM SYSTEM OF ACCOUNTS.

For utilities with annual accounting and reporting periods based on the calendar year, effective January 1, 2002, and for utilities with fiscal year accounting and reporting periods, effective with fiscal years beginning in 2002, the Uniform System of Accounts Prescribed for Natural Gas Companies Subject to the Provisions of the Natural Gas Act, as currently embodied in the United States Code of Federal Regulations, Title 18, Part 201, and as revised periodically, is hereby adopted by this Commission as its accounting rules for natural gas utilities and is prescribed for the use of all natural gas utilities under the jurisdiction of the North Carolina Utilities Commission, subject to the following exceptions and conditions unless otherwise ordered by the Commission:

- (1) All orders and practices of the Commission in effect as of the effective date of this Rule with any accounting impacts that conflict with provisions of the Uniform System of Accounts shall remain in effect, and future such orders and practices with such impacts shall supersede the provisions of the Uniform System of Accounts for North Carolina retail jurisdictional purposes.
- (2) All references to federal statutes, federal regulations, and other federal documents are to be ignored or deleted where they are not applicable to the jurisdiction exercised by this Commission.
- (3) Instead of natural gas companies being divided into Class A, Class B, Class C, and Class D categories, all companies shall be treated as Class A companies.

(SOURCE: Administrative Order issued in Docket No. G 100, Sub 1, February 18, 1960; NCUC Docket No. G 100, Sub 7, 5/31/67; NCUC Docket No. G 100, Sub 10, 7/26/67; NCUC Docket No. G 100, Sub 20, 5/24/74; NCUC Docket No. G-100, Sub 83, 10/12/01.)

Rule R6-71. Repealed by NCUC Docket No. G-100, Sub 79, 12/02/99.

Rules R6-72. Reserved.

Rules R6-73. Reserved.

Rules R6-74. Reserved.

Rules R6-75. Reserved.

Rules R6-76. Reserved.

Rules R6-77. Reserved.

Rules R6-78. Reserved.

Rule R6-79. Reserved.

ARTICLE 11.

DEPRECIATION.

Rule R6-80. REQUIREMENTS FOR DEPRECIATION STUDIES.

Each natural gas utility shall make a depreciation study at least once every five years. All such studies, including any proposed changes in depreciation rates, shall be submitted to the Commission for approval.

(NCUC Docket No. G-100, Sub 8, 3/23/67; NCUC Docket No. G-100, Sub 10, 7/26/67; NCUC Docket No. G-100, Sub 62, 10/15/92.)

ARTICLE 12.

NATURAL GAS EXPANSION FUNDS.

Rule R6-81. GENERAL.

(a) Purpose. The purpose of these rules is to implement G.S. 62-158 and G.S. 62-2(9) by providing for the establishment, funding, operation and administration of natural gas expansion funds to promote the public welfare throughout the State. Any such fund is to be used by the franchised natural gas local distribution company for which it is approved for the construction of facilities in its franchised territory to extend natural gas service to areas of the State where natural gas service is not available.

(b) Definitions.

- (1) Economically infeasible: The Project has a negative net present value.
- (2) LDC: Natural gas local distribution company.
- (3) Net present value: The present value of expected future net cash inflows over the useful life of a Project minus the present value of net cash outflows.
- (4) Project: The scope of the construction of facilities to extend service into unserved areas.
- (5) Unserved areas: Counties, cities or towns of which a high percentage is unserved.

(NCUC Docket No. G-100, Sub 57, 4/9/92.)

Rule R6-82. ESTABLISHMENT OF EXPANSION FUNDS.

(a) Upon petition by an LDC, the Commission may, after a hearing, order the establishment of a special Natural Gas Expansion Fund (Fund) to be used by the petitioning LDC to construct facilities into unserved areas in that LDC's franchised territory that otherwise would be economically infeasible.

(b) Any petition for the establishment of a Fund shall include a showing that there are unserved areas in the LDC's franchised territory and that expansion of natural gas facilities to such areas is economically infeasible. In its petition for the establishment of a Fund, an LDC shall request the Commission to authorize appropriate funding and show the following:

- (1) If approval for the application of supplier refunds to the Fund is sought, the amount of the refunds the LDC has received or which it expects to receive and when it expects to receive them, to the extent then known or reasonably capable of estimation.
- (2) If an expansion surcharge is requested, the amount which the LDC estimates the requested surcharge will generate over periods of one year and three years.

(c) The Commission shall order the petitioning LDC to publish a notice of the petition and the request for funding in a form approved by the Commission. If an expansion surcharge or application of supplier refunds is requested, the Commission shall require the petitioning LDC to mail an approved notice to each of its customers.

(d) In determining the establishment of a fund and the sources and magnitude of the initial funding, the Commission will consider the LDC's showing that expanding to serve unserved areas is economically infeasible and such other factors as the Commission deems reasonable and consistent with the intent of G.S. 62-158 and G.S. 62-2(9). Before ordering the establishment of a fund, the Commission must find that it is in the public interest to do so. Upon the establishment of a fund, the Commission shall provide for appropriate notice of its decision.

(NCUC Docket No. G-100, Sub 57, 4/9/92.)

Rule R6-83. STRUCTURE AND ADMINISTRATION OF EXPANSION FUNDS.

(a) Upon the establishment of a fund for a petitioning LDC, a special fund in an interest-bearing account shall be created in the office of the State Treasurer to be funded as provided in G.S. 62-158. Any interest or other income derived from the fund shall be credited to the Fund.

(b) After public notice and hearing as provided in Rule R6-82, the Commission may, for an LDC for which a Fund is being or has been established,

- (1) order that refunds from the LDC's suppliers of natural gas and transportation services be placed in the Fund;
- (2) approve an expansion surcharge in accordance with G.S. 62-158(b) to be charged, by separate line item on bills, to all customers purchasing natural gas or transportation service throughout that LDC's franchised territory for service rendered after approval, such surcharge to remain in effect until further order of the Commission, and order the LDC to deposit proceeds collected from such surcharge in the Fund; or
- (3) approve other sources of funding proposed by the LDC in its petition.

(c) Monies received from approved sources of funding shall be remitted to the Commission, as follows:

- (1) Refunds ordered to be placed in the LDC's Fund shall be remitted plus interest to the Commission within ten (10) days of the Commission's order or upon receipt of such refunds.
- (2) Expansion surcharges billed shall be recorded on the books of the LDC in a separate accounts-payable account by customer class prior to their transfer to the Commission. The balance in this account shall be remitted to the Commission by the 20th day of the month following the month in which the surcharges are billed. If surcharges billed are uncollected, such uncollected amount shall be treated as natural gas bad debt losses for ratemaking purposes. To the extent the LDC negotiates a price lower than the tariff rate, any discount will be applied first to the expansion fund surcharge. The amount of the surcharge forfeited due to negotiations shall not be recoverable from the LDC nor shall it be considered a "negotiated loss" for the purpose of the LDC's deferred account.
- (3) Other sources of funding shall be remitted as ordered by the Commission when such sources are approved and when the funds become available to the LDC.

(d) The refunds ordered to be placed in an LDC's Fund, surcharges collected by each LDC pursuant to G.S. 62-158, and any other approved funding shall be deposited in the fund established for that LDC.

(e) The LDC may, at any time, based upon changes in circumstances, request changes in the nature or magnitude of the funding previously approved. If the Commission finds that the request involves a material change in funding, the Commission shall provide for appropriate notice and shall afford an opportunity for review and comment by interested parties. The Commission shall set the request for hearing if it deems it appropriate.

(f) Upon petition for the dissolution of a Fund, the Commission shall consider the status of service in the affected LDC's territory, the feasibility of further expansion and other relevant factors consistent with the intent of G.S. 62-158 and G.S. 62-2(9). Upon dissolution, the affected LDC shall file a final accounting for the Fund. Any monies remaining in the Fund at the time of dissolution shall be refunded to the rate classes that contributed them pursuant to Commission order.

(NCUC Docket No. G-100, Sub 57, 4/9/92.)

Rule R6-84. APPROVAL OF EXPANSION PROJECTS.

(a) Each LDC that has an established Fund shall, on at least an annual basis, file a request for approval of any Project(s) which previously have not been approved and which it proposes to undertake within the next year and for which it proposes to use expansion funds. The request shall include an analysis of each proposed Project. For each proposed Project, the LDC's analysis shall contain the following:

- (1) A precise geographic description, a map, a detailed description of the physical facilities, including their projected operating parameters, and the arrangements that have been or are proposed to be made to obtain right-of-ways;
- (2) The date when construction is proposed to begin and end, specific construction budgets and a timetable for disbursements from the Fund; and
- (3) A net present value analysis calculated in a generally accepted manner. The net present value calculation shall reflect only the income tax benefits to be realized by the LDC.

(b) The request shall also include a prioritizing of the proposed Projects by the LDC to the extent practicable based upon the degree of feasibility; the existence of an active demand and previous requests for service; the extent of contributions from local governments, potential end users, or others; benefits to the LDC's transmission or distribution system; the improvement in the feasibility of subsequent extensions into relatively densely populated counties or towns resulting from an initial Project, if applicable; and any other relevant factors.

(c) The Commission shall provide for notice of each request for approval filed under this Rule and shall afford an opportunity for review and comment by interested parties. The Commission shall set the request for hearing if it deems it appropriate.

(d) The Commission shall enter an order approving or denying funding on a project-specific basis. The order shall include a finding of the negative net present value of each Project approved, which shall be the maximum amount to be disbursed from the Fund for that Project. In determining the Projects to be approved for each annual period, the Commission shall consider the balance in the fund at the time of the approval, the relative merit of each Project based on customer need, the degree of economic feasibility, and such other factors as the Commission deems pertinent and consistent with the intent of G.S. 62-158 and G.S. 62-2(9). To the extent the Commission's order approving a Project is based on different assumptions, including design, projected load or amount or sources of funding, than those used by the LDC in its request for approval, the LDC shall have the right not to proceed with the Project or to invest its funds in the same, and no use may be made of expansion funds on such Project absent further order of the Commission.

(e) The LDC may, at any time, based upon changes in circumstances, propose modifications with respect to Projects previously approved by the Commission. If the Commission finds such a proposal to constitute a material change in an approved Project, the Commission shall provide for appropriate notice and shall afford an

opportunity for review and comment by interested parties. The Commission shall set the proposal for hearing if it deems it appropriate.

(f) If construction on an approved Project has not begun within one year of the order granting approval, the Commission may require the LDC to show cause why the balance in its Fund allocated to such Project should not be allocated to other approved Projects or otherwise disposed of as ordered by the Commission.

(NCUC Docket No. G-100, Sub 57, 4/9/92.)

Rule R6-85. DISBURSEMENTS.

(a) Monies from a fund shall be disbursed to the LDC for which the fund was established only as ordered by the Commission. All disbursements shall be used only for the specific Projects for which they were approved. The LDC shall not be required to commence or continue construction of any Project if it appears that the funds available in its Fund will be inadequate to complete construction.

(b) Progress Payments. — Disbursements shall be in the form of reimbursements for actual amounts paid by the LDC. The LDC shall submit a Request for Reimbursement for each approved Project not more often than once a month. Such Requests shall specify the work performed and materials and equipment delivered to the Project during the period covered by the request for reimbursement and be accompanied by the Project Status Report and the Summary of Construction Cost Reimbursement Report described in Rule R6-87. Requests shall also contain a certification that the amounts sought by the LDC have been paid for work completed on and materials provided to the Project. If the request for disbursement complies with these rules and the Commission's order approving the Project for which reimbursement is sought, the request for disbursement shall not be subject to any further proceedings or orders and shall be paid within fifteen (15) days of receipt. If the request raises issues of material fact as to whether such a disbursement is appropriate, the Commission may set the matter for hearing or otherwise resolve any issues as to the appropriateness of the disbursement. The maximum amount of each reimbursement shall be 75% of total expenditures during the period covered by the request. Cumulative reimbursements for the Project shall not exceed the approved negative net present value.

(c) Final Accounting. — Within three years from the date of the Commission's order approving a Project, a final accounting shall be filed showing the actual expenditures to date, disbursements to date, the negative net present value determined by the Commission for the Project, and the balance of funds requested to be disbursed, if any. This information shall be provided in the formats approved by the Commission. Unless the Commission specifically orders otherwise, disbursements for a Project will not be approved after the date the final accounting is approved by the Commission. If the total amount of the approved negative net present value has not been disbursed by the time the final accounting is approved, the Commission shall, upon motion of the LDC and notice to all parties, approve a further disbursement up to the lesser of the approved negative net present value or the actual expenditures to date.

(NCUC Docket No. G-100, Sub 57, 4/9/92.)

Rule R6-86. BUY BACK.

In determining whether or not a buy back of a Project shall be allowed or required, the Commission shall consider: (1) whether the Project in question has become economically feasible and the facilities used and useful as required by G.S. 62-133(b)(1); (2) the impact on the LDC's customers; (3) whether the LDC has or can obtain on reasonable terms the necessary funds; and (4) any other factors relevant to a determination of whether the buy back is in the public interest. No buy back shall be approved unless the records required to be kept by these rules are provided. No buy back will be required unless the LDC has, or can obtain on reasonable terms, funds for remittance on a project financing basis.

(NCUC Docket No. G-100, Sub 57, 4/9/92.)

Rule R6-87. REPORTING.

- (a) A Surcharge Deposit Report shall be filed by an LDC with an approved surcharge on a monthly basis concurrent with each deposit into the Fund. This report shall include, by rate schedule, the information required by the Commission in the format approved by the Commission.
- (b) Whenever an LDC with an established Fund seeks to deposit funds from sources other than surcharges, it shall file a Request to Deposit Funds from Other Sources. This report shall contain a description of the source of the funds, the total dollar amount, and the docket number at the Federal Energy Regulatory Commission, if any.
- (c) The Commission shall determine the status of each LDC's Fund on a monthly basis and prepare a monthly Expansion Fund Financial Statement for each LDC with an established Fund.
- (d) Each LDC with an established Fund shall file reports with each Request for Reimbursement or at least quarterly. These reports shall be filed in the formats approved by the Commission, and these reports are as follows:
 - (1) A Summary of Construction Cost Reimbursements and
 - (2) A separate Project Status Report for each Project containing three separate sections: (a) Budget Versus Actual Cost Data, (b) Construction Cost Summary, and (c) Current Reimbursement Requested.
- (e) A comprehensive annual report on all activity in the Fund for the fiscal year ending November 30 shall be filed by each LDC with an established Fund by February 1 of each year and the report shall be in the format approved by the Commission.

(NCUC Docket No. G-100, Sub 57, 4/9/92.)

Rule R6-88. ACCOUNTING AND RATEMAKING.

- (a) The gas plant accounts shall not include monies disbursed from a Fund. Plant constructed from these monies shall be shown as a reduction to gross plant constructed when assembling cost data in work orders for posting to the plant ledger of accounts. Disbursements from a Fund shall be credited to the accounts charged with the cost of such construction.
- (b) Monies disbursed from a fund shall be credited first against transmission main costs, secondly against distribution main costs, and finally to other plant.
- (c) No depreciation expense on the portion of the plant cost financed by disbursements from the Fund shall be included in the LDC's cost of service.
- (d) Any remittance of monies in order to buy back facilities constructed with monies disbursed from a Fund shall be considered by the Commission only in the context of a general rate case. Any amounts remitted shall be included in rate base in such general rate case. The Commission shall order that any such remittance of monies either be deposited in the LDC's Fund or be refunded to the customer rate classes that contributed the monies, and the Commission may order interest in a reasonable amount to be determined by the Commission.

(NCUC Docket No. G-100, Sub 57, 4/9/92.)

Rule R6-89. DEFERRAL ACCOUNTING FOR NATURAL GAS EXPANSION.

(a) An LDC may request Commission approval to create a regulatory asset account for the purpose of accruing a return on its investment in transmission lines constructed as part of a Project of the type that would be eligible for use of an expansion fund pursuant to G.S. 62-158. Such a request may be filed with the Commission as part of a request for approval of a Project pursuant to Rule R6-84 but in no event less than 45 days prior to the date the accrual is to begin. AFUDC will accrue during construction; however, the accrual under this Rule shall begin no sooner than the date construction is completed and continue until the date new rates become effective in the LDC's next general rate case in which the investment in the Transmission Facilities are included in the LDC's rate base. The Commission, however, may terminate the accrual upon the motion of any interested party and after notice to the LDC and opportunity for hearing. The accrual under this Rule for a particular project shall not exceed five (5) years unless so authorized by the Commission upon a showing by the LDC of good cause.

(b) For the purposes of this Rule, "Transmission Facilities" shall include the gas pipeline and all appurtenant related facilities, including land, mains, valves, meters, boosters, regulators, compressors and their driving units and appurtenances, and other related equipment constructed as part of the Project, the purpose of which is to facilitate the transportation of natural gas from an interstate pipeline, other portions of the LDC's system including existing transmission mains, or other suppliers of gas for ultimate delivery to a distribution system(s). Transmission Facilities shall end at the inlet side of the equipment which meters or regulates the entry of gas into one or more distribution systems.

(c) In determining whether to approve a request under this rule, the Commission will consider the desirability of providing gas service to the new area covered by the Project, the size and relative infeasibility of the Project for which deferral accounting is sought, the LDC's overall expansion plans as reported pursuant to G.S. 62-36A, the LDC's currently earned return on equity, the amount of the investment as a percentage of the LDC's rate base and the amount of the anticipated accrual as a percentage of the LDC's revenues, the estimated impact of the accrual on rates when the investment is included in the LDC's rate base in a general rate case, and any other factors affecting the public interest.

(d) The anticipated accrual under this Rule shall not affect the calculation of the net present value of a Project for the purpose of the use of an expansion fund pursuant to G.S. 62-158 and Rule R6-84. Approval of the use of expansion funds as partial funding for a Project pursuant to G.S. 62-158 is not required for the Project to be eligible for Commission approval of the deferral accounting treatment under this Rule.

(e) Upon receiving Commission approval, the LDC may, on a monthly basis, debit the account in an amount equal to the LDC's currently authorized overall rate of return on its investment in Transmission Facilities constructed as part of Projects that have been completed but not included in rate base.

(NCUC Docket No. G-100, Sub 68, 10/13/95.)

ARTICLE 13.

ADDITIONAL FUNDING FOR NATURAL GAS EXPANSION.

Rule R6-90. APPLICATION PROCESS.

(a) Purpose. The purpose of these Rules is to implement G.S. 62-2(a)(9) and G.S. 62-159 by providing a process pursuant to which funding from the proceeds of the general obligation natural gas bonds approved by referendum in November 1998 can be made available to (i) existing North Carolina local distribution companies (LDCs) or (ii) a person awarded a new franchise or a regional gas district for the construction of natural gas facilities in unserved areas that would otherwise not be economically feasible to construct (hereinafter collectively referred to as “eligible recipients” or “applicants”). For purposes of these Rules, a “project” is defined as all of the natural gas facilities, including but not limited to, transmission and distribution lines, metering facilities, and compressors, and all of the activities necessary to extend and provide natural gas service to an unserved area that is eligible under the statutes for funding from the natural gas bonds.

(b) Letters of intent. All applicants who intend to file an application for approval to use natural gas bond funds shall first file a letter of intent 30 days before the projected filing date of the application. The letter shall give notice of the intention to file an application and shall identify the counties involved in the project to be proposed. Upon the filing of such a letter of intent, the Commission will promptly issue an order establishing a filing deadline for competing letters of intent, i.e., letters of intent as to applications that include one or more of the same counties. Typically, this deadline will be 30 days from the date of the Commission's order, and the order will be sent to those on the Commission's natural gas service list, representatives of the counties involved, and all other known interested persons. Upon expiration of the deadline for competing letters of intent, if no competing letter of intent has been filed, the applicant shall file its application for approval to use natural gas bond funds forthwith. If a competing letter of intent is filed, the Commission will promptly issue an order establishing a filing deadline for all applications that include one or more of the same counties. Typically, this deadline will be 60 days from the date of the Commission's order, but the Commission may establish some other period as appropriate. Upon expiration of the deadline and upon the filing of a competing application, the Commission shall consolidate the competing applications as appropriate, set the applications for hearing, and establish a procedural schedule.

(c) Projects involving a county or counties for which an existing LDC has the exclusive franchise. For projects involving a county or counties for which an existing LDC has the exclusive franchise, applications for approval to use natural gas bond funds pursuant to G.S. 62-159 and this Rule may be filed only by the existing LDC or by a regional gas district. An application for approval to use bond funds shall contain the following information:

- (1) A precise geographic description, a map or maps of the area(s) proposed to be served, a detailed description of the proposed physical facilities, including their projected operating parameters and characteristics, the arrangements that have been or are proposed to be made to obtain rights-of-way and plans for obtaining capacity to supply the projected demand;
 - (2) Details about any special permitting or licensing that may be required, such as from the National Park Service, the National Forest Service, the Federal Energy Regulatory Commission or the Army Corp of Engineers, and a statement as to how much time the permitting or licensing is likely to take;
 - (3) A market study, including an analysis of potential customers and volumes, probable conversions from other fuels, and projected growth resulting from population growth and economic development;
 - (4) An engineering study that includes the proposed design of the system (including a pipe network flow analysis), routing (including a review of planned or proposed state highway improvements), and construction cost estimates;
 - (5) A net present value (NPV) analysis conducted in a generally accepted manner that provides support for the amount of natural gas bond funding requested in the eligible recipient's application;
 - (6) A demonstration of the applicant's technical, operational, and financial management capabilities that will ensure the successful and safe construction and operation of the project;
 - (7) A financing plan for the feasible part of the project that includes the amounts, sources, and costs for common equity, debt, and/or other types of financing;
 - (8) The estimated beginning and ending dates of the proposed construction, including the date service to one or more customers is proposed to begin, specific itemized construction budgets and a timetable for disbursements from the bond fund; and
 - (9) A schedule or schedules of proposed rates.
- (d) Projects involving a county or counties for which no LDC has an exclusive franchise. For projects involving a county or counties for which no LDC has an exclusive franchise, applications for approval to use natural gas bond funds may be filed by any person, including an existing LDC, that is a public utility or would become a public utility by constructing, owning or operating the proposed natural gas facilities or by a regional gas district. For projects involving such counties, a person, including an existing LDC, that is a public utility or would become a public utility by constructing, owning or operating the proposed natural gas facilities also must file an application for a certificate of public convenience and necessity pursuant to G.S. 62-110. All applications for approval to use natural gas bond funds must include the information required by subsection (c) of this Rule.

(e) Accuracy required. In all cases, applications for approval to use natural gas bond funds shall be as accurate as possible when filed, particularly as to the estimates used in the NPV analysis of the project. Amendments are discouraged. In cases of competing applications, the Commission shall first give preliminary approval to use natural gas bond funds, and the winning applicant shall then be required to refine the estimates and move for final approval of the amount of bond money to be awarded. If significant changes to the project or to the NPV analysis are made, the Commission may in its discretion re-open the preliminary approval and conduct such further proceedings as appropriate to reconsider the decision.

(f) Other applications. If not otherwise addressed in its application, an applicant that is a public utility or would become subject to regulation as a public utility if its application were granted, shall file for approval of its proposed financing for the feasible portion of an approved project to the extent required by G.S. 62-160 through G.S. 62-171 and Commission Rule R1-16. A regional gas district proposing to use revenue bonds to finance the feasible portion of a project for which bond funds have been approved shall file for a certificate of convenience and necessity in accordance with G.S. 159-95.

(NCUC Docket No. G-100, Sub 75, 03/08/99; 08/04/99.)

Rule R6-91. APPROVAL OF PROJECTS AND USE OF NATURAL GAS BOND FUNDS.

- (a) Eligible recipients applying for bond funds pursuant to Commission Rule R6-90 shall publish a notice of the application at the direction of and in a form approved by the Commission.
- (b) The Commission shall consider the following in determining whether to approve the use of bond funds: the scope of the proposed project, including the number of unserved counties and the number of anticipated customers by class that would be served; the total cost of the proposed project; the extent to which the proposed project is feasible; and other relevant factors affecting the public interest.
- (c) The Commission shall enter an order approving or denying the use of natural gas bond funds on a project-specific basis. Natural gas bond funds shall be used only pursuant to an order of the Commission after a public hearing. Such an order shall specifically find the negative NPV of the approved project and shall limit the bond funding pursuant to G.S. 62-159 to that negative NPV.
- (d) As soon as practicable after an order approving funding of a project becomes final, the Commission shall notify the State Treasurer of such approval and the amount of bond funding that has been approved.
- (e) If construction has not begun on a project for which bond funding has been approved within one year after the date on which the order granting approval became final, the Commission shall require the recipient to show cause why the approval should not be rescinded; why its franchise should not be revoked, if appropriate; and why it should not be required to reimburse bond monies paid to it, if any.

(NCUC Docket No. G-100, Sub 75, 03/08/99.)

Rule R6-92. DISBURSEMENTS AND FINAL ACCOUNTING.

(a) Monies from bond funds shall be disbursed only to an eligible recipient awarded the right to use bond funds and only as ordered by the Commission. All disbursements shall be used solely for the specific project for which they were approved. A project for which bond funding has been approved must be constructed as proposed unless the eligible recipient awarded the bond funding petitions the Commission to make modifications to the project and the Commission finds that the public interest requires that modifications be made.

(b) Disbursements shall be in the form of reimbursements for actual amounts paid by an eligible recipient awarded the right to use bond funds for an approved project. Eligible recipients awarded the right to use bond funds shall submit requests for reimbursement not more often than once a month. Such requests shall specify the work performed on and the materials and equipment delivered to the approved project during the period covered by the request for reimbursement and shall be accompanied by the Project Status Report described in Commission Rule R6-93. Requests also shall contain a certification that the amounts sought by the eligible recipient awarded the right to use bond funds have been paid for work completed on and materials and equipment provided to the approved project. The maximum amount of each reimbursement shall be 75% of total expenditures during the period covered by the request. Cumulative reimbursements for an approved project shall never exceed the approved negative NPV.

(c) If the request for disbursement complies with these Rules and the Commission order approving the use of bond funds, the request shall not be subject to any further proceedings or orders and shall be paid as promptly as possible. If the request is not in compliance or if the request raises issues of material fact as to whether such a disbursement is appropriate, the Commission shall set the matter for hearing or otherwise resolve any issues as to the appropriateness of the disbursement.

(d) Within three years from the date of a final Commission order approving a project and use of bond funds, the recipient shall file a final accounting showing the actual expenditures to date, disbursements to date, the negative NPV determined by the Commission, and the balance of funds requested to be disbursed, if any. This information shall be provided in formats approved by the Commission. Unless the Commission specifically finds that good cause has been shown, no disbursement will be approved after the final accounting is approved by the Commission. If the total amount of the approved negative NPV has not been disbursed by the time the final accounting is approved, the Commission shall, upon motion by recipient awarded the right to use bond funds and notice to all parties, approve a further disbursement up to the lesser of the approved negative NPV or the actual expenditures to date.

(NCUC Docket No. G-100, Sub 75, 03/08/99.)

Rule R6-93. REPORTS.

(a) Each eligible recipient awarded the right to use bond funds shall file a Project Status Report in the format approved by the Commission for each approved project with each request for reimbursement, or at least quarterly. This report shall contain four separate sections: (1) budgeted versus actual cost data; (2) construction cost summary; (3) summary of construction cost reimbursements already received; and (4) current reimbursement requested. To the extent extraordinary delays have occurred, a report on such delays and expected progress shall be included in this report.

(b) Recipients of bond funds, if subject to the biennial reporting requirement in G.S. 62-36A, shall provide customer and construction cost information on projects for which use of bond funds has been approved in their Biennial Expansion Reports filed every two years pursuant to G.S. 62-36A. Recipients not subject to the reporting requirement in G.S. 62-36A shall provide customer and construction cost information on projects for which use of bond funds has been approved every two years in a report filed at the same time as the Biennial Expansion Reports, beginning with the first due date of those reports following approval of the use of bond funds for a project.

(c) The Commission shall use the information provided by subsection (b) of this Rule to determine whether an investigation is warranted to determine if a project for which use of bond funds has been approved has become economically feasible. If the Commission finds that a project has become economically feasible, the Commission shall require the recipient of the bond funds to remit to the Commission appropriate funds related to the approved project, and the Commission may order those funds to be returned with interest in a reasonable amount to be determined by the Commission and deposited with the State Treasurer.

(d) If a regional gas district wishes to sell or otherwise dispose of facilities financed with bond funds received pursuant to G.S. 62-159, it must first notify the Commission, which shall determine at that time the method of repayment or accounting for those funds.

(e) The Commission shall provide quarterly reports on the expenditure of moneys from the Natural Gas Bonds Fund to the Joint Legislative Commission on Governmental Operations, the Chairs of the Senate and House of Representatives Appropriations Committees, and the Fiscal Research Division of the General Assembly.

(NCUC Docket No. G-100, Sub 75, 03/08/99.)

Rule R6-94. ACCOUNTING AND RATEMAKING FOR REGULATED RECIPIENTS.

(a) The gas plant accounts for recipients of bond funds regulated by the Commission shall be reduced by the amount of bond funds utilized to construct such plant, except to the extent such funds have been remitted by the company pursuant to order of the Commission.

(b) No depreciation expense on the portion of the plant cost financed by disbursements of bond funds shall be included in the cost of service of recipients regulated by the Commission, except to the extent such funds have been remitted by the company pursuant to order of the Commission.

(NCUC Docket No. G-100, Sub 75, 03/08/99.)

ARTICLE 14.

INCENTIVE PROGRAMS.

R6-95. INCENTIVE PROGRAMS FOR NATURAL GAS UTILITIES.

(a) Purpose. — The purpose of this rule is to establish guidelines for the application of G.S. 62-140(c) to natural gas utilities that are consistent with the directives of that statute and consistent with the public policy of this State set forth in G.S. 62-2.

(b) Definitions. — As used in this rule, the following definitions shall apply:

- (1) “Consideration” means anything of economic value paid, given or offered to any person by a natural gas utility (regardless of the source of the “consideration”) including, but not limited to: payments to manufacturers, builders, equipment dealers, contractors including HVAC contractors, electricians, plumbers, engineers, architects, and/or homeowners or owners of multiple housing units or commercial establishments; cash rebates or discounts on equipment/appliance sales, leases, or service installation; equipment/appliances sold below fair market value or below their cost to the natural gas utility; low interest loans, defined as loans at an interest rate lower than that available to the person to whom the proceeds of the loan are made available; studies on energy usage; model homes; and payment of trade show or advertising costs. Excepted from the definition of “consideration” are favors and promotional activities that are de minimis and nominal in value and that are not directed at influencing fuel choice decisions for specific applications or locations.
- (2) “Program” means any natural gas utility action or planned action that involves offering Consideration.
- (3) “Person” means the same as defined in G.S. 62-3(21).
- (4) “Natural gas utility” means, for purposes of this rule, a person, whether organized under the laws of this State or under the laws of any other state or country, that owns or operates in the State equipment or facilities for producing, transporting, distributing, or furnishing piped gas to or for the public for consumption.

(c) Filing for Approval.

- (1) Application of Rule. — Prior to a natural gas utility implementing any Program, the purpose or effect of which is to directly or indirectly alter or influence the decision to use the natural gas utility’s service for a particular end-use or to directly or indirectly encourage the installation of equipment that uses the natural gas utility’s service, the natural gas utility shall obtain Commission approval.

Whether a Program is offered at the expense of the natural gas utility’s shareholders, ratepayers or a third party shall not affect the filing requirements under this rule.

A natural gas utility shall file for approval all Programs to offer Consideration which are administered, promoted or funded by the natural gas utility's subsidiaries, affiliates and/or unregulated divisions or businesses where the natural gas utility has control over the entity offering or is involved in the Program and an intent or effect of the Program is to adopt, secure, or increase the use of the natural gas utility's utility services.

- (2) Filing Requirements. — Each application for the approval of a Program shall include the following:
- (i) Cover Page. — The natural gas utility shall attach to the front of an application a cover sheet generally describing the Program, the Consideration to be offered, anticipated total cost of the Program, the source and amount of funding proposed to be used, proposed classes of persons to whom it will be offered, and the duration of the Program.
 - (ii) Description. — A detailed description of the Program, its duration, purpose, estimated number of participants, and impact on the natural gas utility's general body of customers and the natural gas utility.
 - (iii) Cost. — The estimated total and per unit cost for the Program to the natural gas utility, reported by type of expenditure (e.g., direct payment, rebate, advertising) and the planned accounting treatment for those costs. If the natural gas utility proposes to place any costs to be incurred in a deferred account for possible future recovery from its customers, it shall disclose the same and provide an estimate of each cost to be deferred. The natural gas utility shall describe, in detail, all other sources of monies to be used, including the name of the source, the amount provided, and the reasons the third party is providing the money.
 - (iv) Effect on Customer Use. — A statement of the effect, if any, that the Program is expected to have on customer use of the natural gas utility's service.
 - (v) Conditions of Program. — The type and amount of Consideration and how and to whom it will be offered or paid, including schedules listing the Consideration to be offered, a list of those who will use the natural gas utility's service, and other information on the availability and limitations (who can and cannot participate) of the Consideration. The natural gas utility shall describe any service limitations or conditions it imposes on customers who do not participate in the Program.
 - (vi) Economic Justification. — Economic justification for the Program, including the results of appropriate cost-effectiveness tests.

- (vii) Communications. — Detailed cost information on the amount the natural gas utility anticipates will be spent on communication materials related to the Program. Such cost shall be included in the Commission's consideration of the total cost of the Program and whether the total cost of the Program is reasonable in light of the benefits. To the extent available, the natural gas utility shall include examples of all communication materials to be used in conjunction with the Program.
 - (viii) Commission Guidelines Regarding Incentive Programs. — The natural gas utility shall provide the information necessary to comply with the Commission's Revised Guidelines for Resolution of Issues Regarding Incentive Programs issued by Commission Order on March 27, 1996, in Docket No. M-100, Sub 124, set out as an Appendix to Chapter 8 of these rules.
 - (ix) Other. — Any other information the natural gas utility believes relevant to the application, including information on competition faced by the natural gas utility.
- (d) Procedure.
 - (1) Service and Response. — The natural gas utility filing for approval of a Program shall serve a copy of its filing on the electric utilities and electric membership corporations operating within the filing natural gas utility's certificated territory, the Public Staff, the Attorney General and any other party that has notified the natural gas utility in writing that it wishes to be served with copies of all such filings that involve the provision of Consideration. Those served, and others learning of the application, shall have thirty (30) days from the date of filing in which to seek intervention pursuant to Rule R1-19 or file a protest pursuant to Rule R1-6. The filing natural gas utility shall have the opportunity to respond to such petitions or protests within ten (10) days of their filing. If any party granted intervention requests a hearing or otherwise raises a material issue of fact, the Commission may, in its discretion, set the matter for hearing.
 - (2) Notice and Schedule. — If the application is set for hearing, the Commission shall require such notice as it deems appropriate and shall establish a procedural schedule for prefiled testimony and rebuttal testimony after a discovery period of at least 45 days. Where possible, the hearing shall be held within ninety (90) days from the application filing date.
- (e) Scope of Review. — In considering whether to approve in whole or in part a Program or changes to an existing Program, the Commission may consider any other information it determines to be relevant, including, but not limited to, the following issues:
 - (1) Whether the Program unreasonably discriminates among persons receiving or applying for the same kind and degree of service;

- (2) Evidence of consideration or compensation paid by any competitor, regulated or unregulated, of the natural gas utility to secure the installation or adoption of the use of such competitor's services;
- (3) Whether the Program promotes unfair or destructive competition or is inconsistent with the public policy of this State as set forth in G.S. 62-2; and
- (4) Whether the Program encourages energy efficiency and its impact on the peak loads and load factors of the filing natural gas utility.

(NCUC Docket No. E-100, Sub 113, 2/29/08.)

ARTICLE 15.

ECONOMIC DEVELOPMENT INFRASTRUCTURE COST RECOVERY.

R6-96. NATURAL GAS ECONOMIC DEVELOPMENT INFRASTRUCTURE COST RECOVERY.

(a) Purpose. – The purpose of this rule is to establish guidelines for applications of an LDC seeking cost recovery for the construction of natural gas development infrastructure under G.S. 62-133.15.

(b) Definitions. – As used in this section:

1. “Commission” means the North Carolina Utilities Commission.
2. “Economic development infrastructure” is the natural gas infrastructure placed in service to serve an eligible project.
3. “Economically infeasible” refers to that portion of investment in economic development infrastructure that has a negative net present value.
4. “Eligible economic development infrastructure costs” are the economically infeasible portion of an economic development infrastructure project investment.
5. “Eligible project” means a project that the Department of Commerce has designated as eligible under G.S. 143B-437.021.
6. “LDC” means a natural gas local distribution company.
7. “Net cash inflows” are the expected margin revenues, exclusive of gas costs recovered under G.S. 62-133.4, generated from the provision of natural gas service to Eligible Projects.
8. “Net cash outflows” are reasonable and prudent economic development infrastructure costs. Such costs include, but are not limited to, the following: (a) planning costs; (b) development costs; (c) construction costs and an allowance for funds used during construction and a return on investment once the project is completed, calculated using the pretax overall rate of return approved by the Commission in the LDC’s most recent general rate case; (d) a revenue retention factor; (e) depreciation; and (f) property taxes.
9. “Net present value (NPV)” means the present value of expected future net cash inflows over the useful life of economic development infrastructure, minus the present value of net cash outflows.
10. “Rate adjustment surcharge (RAS)” is a yearly surcharge that allows an LDC to charge a Commission approved rate to recover the eligible economic development infrastructure costs.

(c) Application. – An application to recover eligible economic development infrastructure costs under this section shall contain all of the following information:

- (1) Documentation showing the infrastructure is designed to serve an eligible project.

- (2) A precise geographic description, a map or maps of the area proposed to be served, a detailed description of the proposed physical facilities, including their projected operating parameters and characteristics, and the arrangements that have been or are proposed to be made to obtain rights of-way.
 - (3) Documentation of a binding commitment from the prospective customer or the occupant of the eligible project to the LDC regarding the need to take natural gas service for a period of at least 10 years from the date the gas is made available.
 - (4) A market study, including an analysis of any potential customers and volumes, probable conversions from other fuels, and projected growth and economic development resulting from the infrastructure.
 - (5) An engineering study that includes the proposed design of the system (including a pipe network flow analysis), routing (including a review of planned or proposed state highway improvements), and construction cost estimates.
 - (6) An NPV analysis conducted in a generally accepted manner that provides support for the eligible economic development infrastructure costs.
 - (7) The estimated beginning and ending dates of the proposed construction of the infrastructure, including the date service to the eligible project is proposed to begin, and specific itemized construction budgets.
 - (8) Proposed rates to be charged under the RAS mechanism.
- (d) Approval of Cost Recovery. – Once an eligible project has been approved by the Department of Commerce, the LDC may file an application with the Commission for authority to recover the estimated eligible economic development infrastructure costs.
- (1) The Commission shall provide for notice of each request for approval filed under this Rule and shall afford an opportunity for review and comment by interested parties. The Commission shall set the request for hearing if it deems it appropriate.
 - (2) The Commission shall enter an order approving or denying the eligible economic development infrastructure costs on a project-specific basis. The order shall include a finding of the negative net present value of economic development infrastructure costs for each eligible project. The negative NPV is the maximum amount to be recovered through the RAS for an eligible project.
 - (3) The LDC may request modifications to eligible economic development infrastructure costs approved by the Commission. If the Commission finds the requested change is material, the Commission shall provide for appropriate notice and shall afford an opportunity for review and comment by interested parties. The Commission shall set the proposal for hearing if it deems it appropriate.

(e) Cost Recovery. – Once economic development infrastructure is placed in service, the LDC may recover the economic development infrastructure costs approved by the Commission in an annual RAS. The RAS will terminate upon the earlier of the full recovery of the approved economic development infrastructure costs, or the effective date of rates in the LDC's next general rate case, provided that the underlying infrastructure investment is included in calculating such rates.

(f) Computation of the economic development infrastructure revenue requirement. – The LDC shall file information for each year showing the computation of the Economic Development Infrastructure revenue requirement. The total annual revenue requirement will be calculated for each year, as follows:

Economic Development Infrastructure Costs	\$X,XXX,XXX
Less: Accumulated depreciation	XXX,XXX
Less: Accumulated deferred income taxes	<u>XXX,XXX</u>
Net Economic Development Infrastructure Costs	\$X,XXX,XXX
Pre-tax rate of return set forth in the relevant rate order	X.XX%
Allowed pre-tax return	\$X,XXX,XXX
Plus: Depreciation expense	<u>XXX,XXX</u>
Total	\$X,XXX,XXX

(g) Computation of the RAS. – The LDC will file for Commission approval each year information showing the computation of the RAS for each rate schedule and the revised tariffs that it proposes to charge customers during the 12-month period. To compute the RAS, the Economic Development Infrastructure revenue requirement shall first be apportioned to each customer class based on margin apportionment established in the LDC's most recent general rate case.

The amount of the economic development infrastructure revenue requirement apportioned to each rate schedule shall then be divided by the annual therms established in the LDC's most recent general rate case proceeding for each rate schedule to determine the RAS to the nearest one-thousandth cent per therm.

(h) RAS Deferred Account. – The LDC shall maintain an RAS Deferred Account for the purpose of recording (1) the economic development infrastructure revenue requirement for the year (2) the monthly RAS collected from customers, and (3) the interest on the RAS Deferred Account. Interest will be applied to the RAS Account at the LDC's authorized net-of-tax overall rate of return.

Each month the LDC shall credit the RAS Deferred Account for the amount of the RAS collected from customers. The amount of the RAS collected from customers shall be computed by multiplying the RAS for each rate schedule by the corresponding actual therms of usage billed customers for the month.

(i) Reports. – Each LDC with an approved RAS shall provide the following reports to the Commission:

1. Monthly RAS Deferred Account reports reflecting the activity recorded for the month.
2. Annual RAS Deferred Account report to recover the balance in the account and an annual computation of the Economic Development Infrastructure revenue requirement supporting the RAS for the next 12-month period.
3. Annual reports by March 1 of each year the Eligible Project is under construction summarizing the total infrastructure costs for the preceding calendar year, the remaining balance to be spent on total infrastructure costs, and the estimated completion date of the infrastructure.
4. Annual reports by March 1 of each year for completed Eligible Projects, providing the total amounts recovered from the RAS for each project, the amount of gas consumed each year for each project, and all customer additions and the respective natural gas load for each project. Annual reports on completed eligible projects are required until the LDC's next general rate case.

(NCUC Docket No. G-100, Sub 93, 10/17/2017; NCUC Docket No. G-100, Sub 93, 03/27/2018.)