

MANUAL  
FOR THE INSTALLATION OF  
GAS SERVICES, HOUSE PIPING AND METERS

CANCELED JAN.30 1971

Louisville Gas and Electric Company

August 1961



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## PREFACE

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The purpose of this manual is to prescribe standards with respect to service line and meter installations, pursuant to the rules and regulations of the Public Service Commission of Kentucky governing gas utilities, Rule PSC: Gas -1-XI reading in part as follows:

" Each gas utility shall adopt a standard method of meter and service line installation insofar as practicable. Such methods shall be set out with a written description and/or with drawings to the extent necessary for a clear understanding of the requirements, all of which shall be filed with the Commission. Copies of these standard methods shall be made available to prospective customers and contractors or others engaged in the business of installing pipe for gas utilization....."

Certain requirements set forth herein have been specifically adopted by the Public Service Commission of Kentucky. Also included in this manual are certain standards with respect to the customer's house piping, which are published in the interest of uniformity and safety in construction and installation. By the publication of these standards the Company does not assume any responsibility or liability.

Engineers of Company's Gas Department will furnish any information that may be needed with respect to any installation. They should be consulted as early as possible on all commercial and industrial installations and all special problems. The Company desires to cooperate with all concerned to further the safe and proper installation of gas piping and apparatus and the proper use of natural gas.

AUGUST - 1961

PART I ----- Service Line Installations

- 1.1 Approval of service line and meter locations should be obtained by the installer before work is started because of the possible existence of a curb service. If a curb service exists, the new gas service must be in line with it. For service to rear buildings, consult the Company's Gas Inspector.
- 1.2 All gas piping shall be standard weight wrought iron or steel. All pipe fittings shall be malleable iron or steel except in sizes three inches and larger which may be cast iron. Gas piping and fittings shall be in new or like new condition and shall be free from cutting burrs and defects in structure or threading. Fittings shall be used in making all truns.
- 1.3 All valves  $2\frac{1}{2}$  inches and larger in size shall be lubricated plug valves.
- 1.4 The service line from the property line to the meter location shall not be less than  $1\frac{1}{4}$  inches in size. A table (Figure 1) is included in this manual for sizing pipe of various lengths and connected loads. If there is any doubt as to pipe size, call the Gas Inspector's office.
- 1.5 The service line shall not run beneath any building or through basements or crawl areas. The pipe shall be between 18 and  $2\frac{1}{4}$  inches deep over its entire length.
- 1.6 The service line shall be perpendicular ( $90^{\circ}$ ) to and extend a foot beyond the property line. It shall not be in line with trees or poles, nor opposite street intersections or driveways. See Figure 2.

- 1.7 In the installation of a service line the customer shall not install any tees or branch connections. For service to additional buildings consult the Gas Inspector.
- 1.8 The gas service ditch must be at least three feet away from the sewer ditch. The gas service line may be in the same ditch as the water service if they are at least twelve inches apart over their entire length and their ends are at least three feet apart at the property line; however, both lines must be on the bottom of the ditch on undisturbed ground. Blocking up or supporting the line at intervals is prohibited.
- 1.9 Unions shall not be used in service lines. A right and left coupling or an approved compression coupling shall be used in place of a union.
- 1.10 All underground service lines when installed below grade through the outer foundation wall of a building shall be either incased in a sleeve or otherwise protected from corrosion. The pipe and sleeve shall be tightly sealed at the foundation wall.
- 1.11 In the installation of a service line the trench shall be left open and the pipe uncovered until it has been examined by a Company Gas Inspector and shown to be free from any irregularity or defect.
- 1.12 The Company will test each service line to a pressure not less than 50 pounds per square inch before connecting such line to its system. To enable the Company to perform this test the installer shall connect a vertical riser, consisting of one inch pipe, to the end of the service pipe at the property line.

Such riser shall extend approximately four inches above grade and shall be fitted with a threaded cap at the top (see Figure 3). After pressure test and inspection by the Company, the riser may be removed by the installer and the service line capped. Upon backfill of the trench, the end of the service ~~line~~ shall be appropriately marked.

In lieu of providing a riser the installer may test the service line to a pressure of 50 pounds per square inch and leave the pressure on the line. A pressure gage must be installed at the meter loop for the Company to observe the test.

PART 2 ----- Meter Installations

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2.1 Prints of meters and meter loops are made available by the Company and will be furnished upon request. These prints show specifications for meter connections of various sizes of meters.

2.2 All meters shall be located outside of the respective buildings which they serve. Where lack of space or other unusual circumstances preclude the installation of outside meters, for commercial establishments, the Companies Gas Inspector should be consulted.

2.3 Outside meters must be adjacent to the respective buildings they serve and be easily accessible for reading and periodic changes.

When two or more meters are connected to one service line, all meters must be in the same location. The installer shall plainly identify each separate piping system with a metal tag.

2.4 Meters located adjacent to driveways or other driving areas shall be at least three feet from the edge of such areas or otherwise protected from vehicular damage. In certain cases the Company may require a suitable barricade even when the meter is more than three feet from the edge of the driving area.

2.5 The meter must be located five feet or more from air intakes and one foot or more from foundation ventilator grills.



2.6 At locations where an electric meter exists, or in the case of new construction where the electric meter location has been spotted or is known, the gas meter shall not be located closer than three feet, measured horizontally, from the electric meter. There is no requirement as to the vertical distance between the meters.

2.7 All meter loops must have a valve not less than one inch in size located on the inlet side of the meter loop. Meter connection openings must not be less than one inch. Meter loop risers must be plumb.

All service risers shall be strapped and all house line made rigid.

Meter connections must be level with the correct distance between openings and the proper height from finished grade. There must be sufficient clearance from the wall or riser so that the meter may be placed without difficulty.

PART 3 -----House Piping

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- 3.1 Before calling for the Company inspection, the installer shall have tested the house piping to a pressure of five pounds per square inch for a period of five minutes with no loss in pressure.
- 3.2 An approved valve shall be installed ahead of the union connection of each opening designated for an appliance.
- 3.3 Piping outlets shall extend four inches through finished floors or walls and shall be closed gas tight with a threaded plug or cap.
- 3.4 Piping to any appliance shall not be smaller than the opening on the appliance. One-half inch pipe may be used on appliances rated at 50,000BTU per hour or less provided the lineal feet of pipe required does not exceed 12 feet.
- 3.5 Only ground joint steam unions may be used in house piping. Unions shall be used only when absolutely necessary and never in a concealed location. All valves  $2\frac{1}{2}$  inches and larger in size shall be lubricated plug valves.
- 3.6 Horizontal piping shall be supported at intervals of at least ten feet with pipe straps or hooks. Branch connections to appliances shall be taken from the top or side of horizontal running lines and shall be supported so that there is no strain on appliance controls or burners.

- 3.7 A tee fitting and drip leg with the bottom outlet plugged or capped shall be used at the bottom of all drop connections to appliances. Sufficient clearance shall be left between the drip leg caps and the floor so that the cap may be removed and the drip leg emptied. See Figure 4.
- 3.8 All gas piping shall be standard weight wrought iron or steel. All pipe fittings shall be malleable iron or steel except in sizes three inches and larger which may be cast iron. Gas piping and fittings shall be new or in like new condition and shall be free from cutting burrs and defects in structure or threading. Fittings shall be used in making all turns.
- 3.9 House piping shall not be run in chimneys, flues, elevator shafts, clothes chutes, cold or warm air ducts, coal bins or other locations where anything is likely to be stored against it or subject it to strain.
- 3.10 Electrical systems shall not be grounded to gas piping.
- 3.11 All underground piping when installed below grade through the outer foundation wall or thru the floor slab of a building shall be either incased in a sleeve or otherwise protected from corrosion. The pipe and sleeve shall be tightly sealed at the foundation wall or floor slab.
- 3.12 Where other pressure piping systems are interconnected with the gas piping such as pre-mixing or proportioning apparatus, a check valve shall be used to prevent foreign gases from entering the natural gas piping. Such a check valve must be installed in a horizontal line and have a very light clapper which will operate under a pressure of three ounces with no appreciable pressure loss.

- 3.13 In multi-unit buildings supplied by a master meter, each separate and distinct house line shall be controlled by an individual valve located as near the meter as possible.
- 3.14 The Company will test each house piping system to a pressure of at least five pounds per square inch before connecting such piping to its system.
- 3.15 Gas appliances shall be connected to the gas pipe with rigid pipe, listed metal appliance connectors, or approved semi-rigid tubing not to exceed six (6) feet total length. When an appliance connector or tubing is used it shall connect to an outlet in the same room as the appliance. The connector or tubing shall be installed so as to be protected against physical damage.

PART 4-----Inspections.

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4.1 The Company's Gas Inspector will inspect a service line or a house line, or both, upon request of the installer. The Gas Inspector will make either one or two trips to perform such inspections at a location without charge. When more than two trips are necessary to complete the inspection at any one location, a charge of \$ 5.00 will be made for each additional trip. A written notice requesting inspection and test, together with the \$ 5.00 payment, must be in the Gas Inspector's office before any additional inspection will be made. All request for inspections must be made by the contractor or party doing the work.

4.2 An appliance does not have to be connected before an inspection will be made; however, one appliance must be ready for operation and an application for service made with the Company before the gas will be turned on. A service application is not required for a street connection.

4.3 Before making repairs or alterations to piping, the gas supply must be turned off. Only Company employees are authorized to turn gas on. Whenever possible, a request to turn gas on or off should be made at least one day in advance so that the request may be scheduled the first thing on the morning of the day that the work is to be carried out.

CAPACITIES OF VARIOUS SIZE PIPE  
 CUBIC FEET PER HOUR  
 (Based on a pressure drop of 0.3" water)  
 Length of Pipe in Feet

Pipe Size	10'	20'	30'	40'	50'	60'	70'	80'	90'	100'
3/4"	275	180	140	120	110	100				
1"	490	330	250	220	200	180	170	160	150	140
1 1/4"	980	720	540	470	420	380	350	330	310	290
1 1/2"	1450	1000	760	660	590	550	500	470	440	420
2"	2700	2100	1600	1450	1250	1100	1000	950	900	850
2 1/2"	4300	3300	2700	2300	2000	1800	1700	1600	1500	1400
3"	7200	5600	4700	4100	3600	3200	3000	2800	2600	2500

FIGURE NO. 1

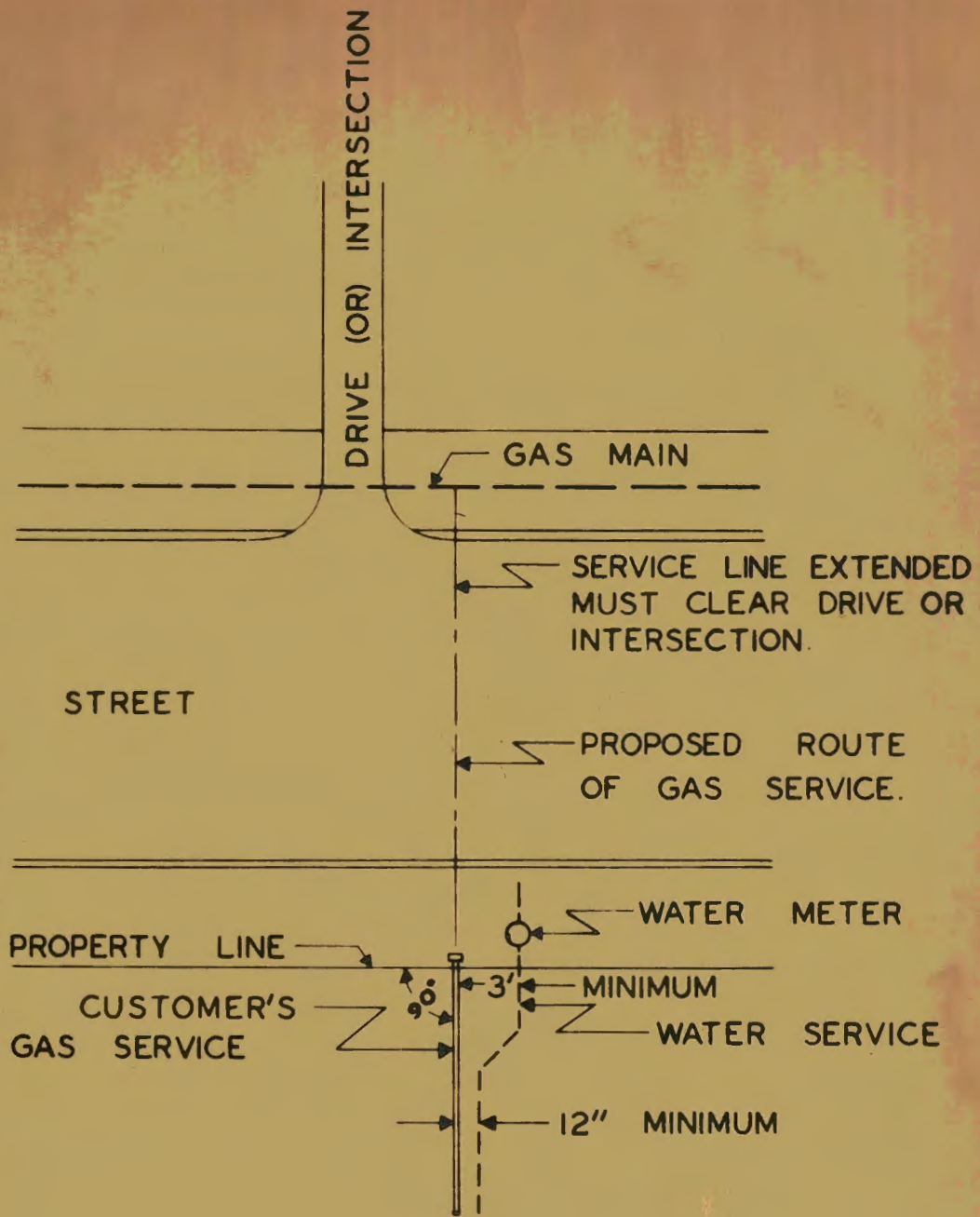


FIGURE NO. 2

LOUISVILLE GAS AND ELECTRIC CO. Louisville, Kentucky	
ELECTRIC DIST. <input type="checkbox"/> NATURAL GAS <input checked="" type="checkbox"/> GAS DIST. <input type="checkbox"/>	
<b>SERVICE LOCATION</b>	
Scale NONE Date 4-12-61	D-4557
Drawn by J.R.N. & L.M.J.	
Approved by W.A.N.	

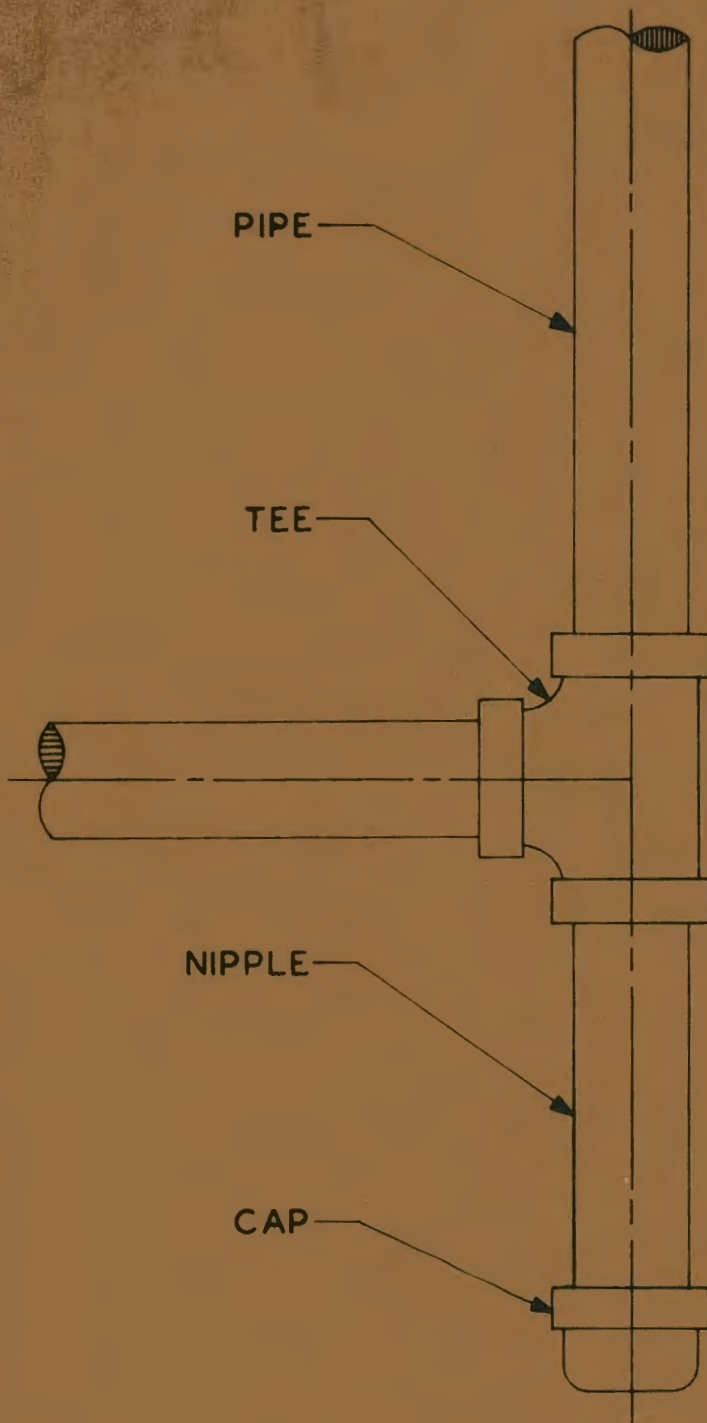


FIGURE NO. 4

LOUISVILLE GAS AND ELECTRIC CO. Louisville, Kentucky	
ELECTRIC DIST. <input type="checkbox"/> NATURAL GAS <input checked="" type="checkbox"/> GAS DIST. <input type="checkbox"/>	
<h2>DRIP LEG</h2>	
Scale NONE	Date 4-12-61
Drawn by J.R.N. & L.M.J.	
Approved by W.A.N.	
D-4559	





LOUISVILLE GAS AND ELECTRIC COMPANY

Original SHEET NO. 2-A

CANCELLING SHEET NO.

P. S. C. OF KY. GAS NO. 2

STANDARD RATE SCHEDULE G-1A

General Gas Rate - Large Volume Space Heating

Applicable:

In all territory served.

Availability:

Available for general service to commercial and industrial customers who, by reason of large space heating loads, are not eligible for service under the terms of General Gas Rate G-1. Customer must take his entire gas requirements at any location under this rate schedule except for such quantities as he may desire to have separately delivered and metered at Seasonal Off-Peak Rate G-6. All gas supplied at any location hereunder will be delivered through one point, except where Company's operating convenience requires delivery at two or more points. Air conditioning service will be supplied hereunder in accordance with the rider applicable to such service.

Rate:

First 20,000 cu ft or less per month..... \$13.80 net
Excess over 20,000 cu ft per month..... 6.0¢ net per 100 cu ft

Purchased Gas Adjustment Clause:

The monthly amount computed at the charges specified above shall be increased or decreased in accordance with the Purchased Gas Adjustment Clause set forth on Tariff Sheet No. 13.

Minimum Bill:

The monthly bill shall not be less than 20% of the customer's highest monthly bill rendered for the preceding January, February, or March billing period, nor less than \$13.80 plus purchased gas adjustment.

Prompt Payment Provision:

The monthly bill will be rendered at the above net charges (including net minimum bills when applicable) plus an amount equivalent to 1% thereof, which amount will be deducted provided bill is paid within ten days from date.

Term of Contract:

Not less than one year.

Applicability of Rules:

Service under this rate schedule is subject to Company's rules and regulations governing the supply of gas service as incorporated in this Tariff.

Handwritten red circle containing '771'

CHECKED PUBLIC SERVICE COMMISSION JAN 23 1968 by ENGINEERING DIVISION

DATE OF ISSUE November 8, 1967 DATE EFFECTIVE December 1, 1967

ISSUED BY B. Hudson Milner President Louisville, Kentucky

Filed with Public Service Commission of Kentucky November 10, 1967

STANDARD RATE SCHEDULE

G-6

Seasonal Off-Peak Gas Rate (Continued)

Prompt Payment Provision:

The monthly bill will be rendered at the above net charges (including net minimum bills when applicable) plus an amount equivalent to 1% thereof, which amount will be deducted provided bill is paid within ten days from date.

Maximum Daily Contract Delivery:

The customer shall contract under this rate schedule for a specified quantity of gas stated in terms of maximum required deliveries per day. On no day will the Company be obligated to supply gas in excess of such contract quantity.

Curtailement Provision:

During the nine-month period of service availability hereunder, Company shall have the right to discontinue the supply of gas wholly or in part for such period or periods as, in the judgment of the Company, may be necessary or advisable to enable it to supply the full gas requirements of its customers served on a higher priority basis.

Term of Contract:

Minimum contract term for service under this schedule shall be for the period from March 15 (or date of initial deliveries hereunder, if after March 15) to December 15. However, in those cases in which customer must make a substantial investment in gas utilization equipment, Company will execute contracts for a longer term of not to exceed five years. In the event that an extension or enlargement of Company's gas distribution facilities is necessary to supply service to any Customer hereunder, Company may condition such extension or enlargement upon Customer's execution of a five-year contract providing for a minimum annual revenue guarantee sufficient to warrant making the extension.

Customer's Right of Contract Termination:

The provisions of this rate schedule and all contracts for gas service hereunder are at all times subject to such changes in rates or service conditions as may be ordered or authorized by the Public Service Commission of Kentucky. Any customer who is adversely affected by any changes in this rate schedule which may be made during the term of his contract shall have the right for such cause to terminate his contract prior to its scheduled expiration date.

C7-71

CHECKED  
PUBLIC SERVICE COMMISSION  
DEC 3 1968  
by: J.R.P.  
ENGINEERING DIVISION

DATE OF ISSUE November 11, 1968 DATE EFFECTIVE December 4, 1968

ISSUED BY B. Hudson Milner, President Louisville, Kentucky  
NAME TITLE ADDRESS

STANDARD RATE SCHEDULE

G-6

Seasonal Off-Peak Gas Rate (Continued)

Reserved Right of Limitation of Additional Contracts:

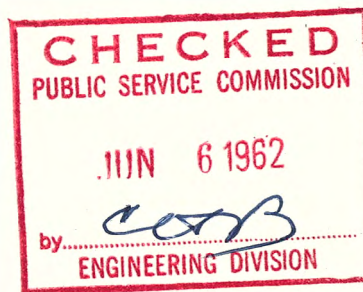
This gas rate schedule is predicated on the availability to the Company during the period from March 15 to December 15 of each year of a seasonal off-peak gas supply in excess of the full requirements of customers served under all other rate schedules and for placing in underground storage. The Company therefore reserves the right to decline acceptance of any additional contracts for service hereunder at such time as, in the judgment of the Company, the volume of service already contracted for equals the seasonal surplus gas supply available for this class of service.

Applicability of Rules:

Service under this rate schedule is subject to Company's rules and regulations governing the supply of gas service as incorporated in this Tariff.

2-2

07-71



Issued by authority of an order of the PSC of Ky. in Case 3300, dated Nov. 26, 1957

DATE OF ISSUE May 1, 1962 DATE EFFECTIVE May 20, 1962

ISSUED BY G. R. Armstrong President Louisville, Ky.

NAME TITLE ADDRESS

STANDARD RATE SCHEDULE

G-8

Dual-Fuel Off-Peak Gas Space Heating Rate (Continued)

2. Customer must provide alternate fuel storage facilities of a capacity acceptable to Company and must arrange to have available at the beginning of the heating season and at all times during the heating season a sufficient supply of such alternate fuel to satisfy the entire fuel requirements of the space heating installation served under this rate schedule during periods when natural gas is not available hereunder.

3. Interruptible gas service supplied hereunder shall be completely segregated and metered separately from Customer's usage of gas for other purposes under a different rate schedule at the same premise. In the event natural gas is used for pilot light service for both gas and alternate fuels in a dual-burner heating installation, such pilot light usage shall be separately metered at Company's applicable firm gas rate schedule.

4. Company shall have the right to interrupt gas service hereunder whenever, in Company's judgment, such interruption is necessary or advisable to enable it to supply the full gas requirements of its customers served on a higher priority basis. Customer shall discontinue the use of natural gas for all equipment served hereunder immediately upon notification by Company to do so, and shall resume the use of gas only when notified by Company that gas service hereunder is again available.

5. In the event of Customer's non-compliance with any of these special conditions, Company shall have the right to immediately and permanently discontinue the supply of gas under this rate schedule.

Term of Contract:

Minimum contract term for service under this schedule shall be for a period of one year. However, in those cases in which Customer must make a substantial investment in dual-fuel utilization equipment or alternate fuel storage facilities, Company will execute contracts for a longer term of not to exceed five years.

Customer's Right of Contract Termination:

The provisions of this rate schedule and all contracts for gas service hereunder are at all times subject to such changes in rates or service conditions as may be ordered or authorized by the Public Service Commission of Kentucky. Any customer who is adversely affected by any changes in this rate schedule which may be made during the term of his contract shall have the right for such cause to terminate his contract prior to its scheduled expiration date.

Applicability of Rules:

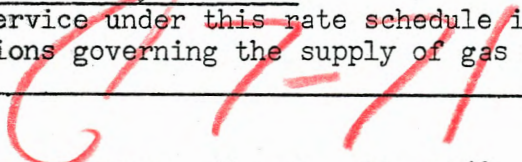
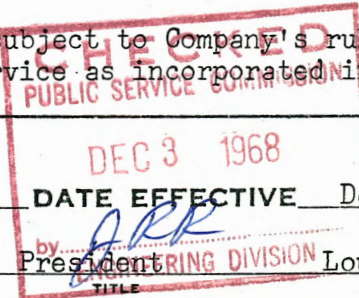
Service under this rate schedule is subject to Company's rules and regulations governing the supply of gas service as incorporated in this Tariff.

DATE OF ISSUE November 11, 1968

DATE EFFECTIVE December 4, 1968

ISSUED BY E. Hudson Milner

by J.R.K. President RING DIVISION Louisville, Ky.



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STANDARD RATE SCHEDULE

Gas Rate Adjustment on Account of Changes in Cost of Purchased Gas

Applicable to: Gas rate schedules G-1, G-1A, G-2, G-6 and G-8.

Purchased Gas Adjustment:

To each bill rendered under the above-named rate schedules (except minimum bills under Rates G-6 and G-8) there shall be added an amount, computed at the following rate:

1.020¢ per 100 cubic feet of gas used during the period covered by bill.

Conformed Excerpt from the Public Service Commission's Order Dated November 26, 1957, in Case No. 3300

The rates authorized herein (Case No. 3300—November 26, 1957) are based upon the wholesale cost of gas to the Applicant (Louisville Gas and Electric Company) as computed upon rates of its wholesale suppliers then currently in effect under Federal Power Commission tariffs for interstate business or under wholesale tariffs of this Commission. For the purpose of this purchased gas adjustment clause, these rates shall be considered as the base rate for purchased gas. In the event there is any change in this base rate, either increase or decrease, the Applicant (Louisville Gas and Electric Company) shall within thirty days from the time it receives notice of the proposed change file with this Commission the following information:

- (1) A copy of the Federal Power Commission tariff effecting the change in the base rates and a statement relative to the effective date of such proposed change.
(2) A statement setting out the details of gas purchased under the provisions of the base rate for the previous twelve months showing billing under the base rate and under the proposed revised rate applicable to this service.
(3) A balance sheet as of the end of the twelve months period and a statement of operating expenses and revenues in the same detail as reported to this Commission in the Utility's Annual Report.
(4) A forecast showing the estimated gas purchases from all of the Utility's contract suppliers for the next twelve months period together with an estimate of the cost thereof.
(5) Such other information as this Commission may request for a proper determination of the purchased gas adjustment.

Upon receipt of this information this Commission will review the effect of the revised base rate on the operations of the Applicant (Louisville Gas and Electric Company) and will prior to the effective date of the revised base rate, but not less than thirty days from date of the filing of the above prescribed information, issue its Order setting out the purchased gas adjustment that the utility shall apply to its rates and/or such refunds as may be proper.

The maximum amount of the adjustment so prescribed shall not produce revenue adjustments based upon the actual preceding twelve months period, greater than the difference between the purchased gas billed at the then existing rate and the purchased gas billed at the revised rate.

CHECKED PUBLIC SERVICE COMMISSION JUN 1 1971 Meter readings taken on and after June 16, 1971

DATE OF ISSUE May 27, 1971

DATE EFFECTIVE June 16, 1971

ISSUED BY B. Hudson Milner

President

Louisville, Kentucky

Issued by authority of an Order of the Public Service Commission of Kentucky in Case No. 3300-U, dated May 20, 1971.

STANDARD RATE SCHEDULE

Gas Rate Adjustment on Account of Changes in Cost of Purchased Gas

Applicable to: Gas rate schedules G-1, G-1A, G-2, G-6 and G-8.

Purchased Gas Adjustment:

To each bill rendered under the above-named rate schedules (except minimum bills under Rates G-6 and G-8) there shall be added an amount, computed at the following rate:

.933¢ (933/1000 of one cent) per 100 cubic feet of gas used during the period covered by bill.



Conformed Excerpt from the Public Service Commission's Order Dated November 26, 1957, in Case No. 3300

The rates authorized herein (Case No. 3300—November 26, 1957) are based upon the wholesale cost of gas to the Applicant (Louisville Gas and Electric Company) as computed upon rates of its wholesale suppliers then currently in effect under Federal Power Commission tariffs for interstate business or under wholesale tariffs of this Commission. For the purpose of this purchased gas adjustment clause, these rates shall be considered as the base rate for purchased gas. In the event there is any change in this base rate, either increase or decrease, the Applicant (Louisville Gas and Electric Company) shall within thirty days from the time it receives notice of the proposed change file with this Commission the following information:

- (1) A copy of the Federal Power Commission tariff effecting the change in the base rates and a statement relative to the effective date of such proposed change.
- (2) A statement setting out the details of gas purchased under the provisions of the base rate for the previous twelve months showing billing under the base rate and under the proposed revised rate applicable to this service.
- (3) A balance sheet as of the end of the twelve months period and a statement of operating expenses and revenues in the same detail as reported to this Commission in the Utility's Annual Report.
- (4) A forecast showing the estimated gas purchases from all of the Utility's contract suppliers for the next twelve months period together with an estimate of the cost thereof.
- (5) Such other information as this Commission may request for a proper determination of the purchased gas adjustment.

Upon receipt of this information this Commission will review the effect of the revised base rate on the operations of the Applicant (Louisville Gas and Electric Company) and will prior to the effective date of the revised base rate, but not less than thirty days from date of the filing of the above prescribed information, issue its Order setting out the purchased gas adjustment that the utility shall apply to its rates and/or such refunds as may be proper.

The maximum amount of the adjustment so prescribed shall not produce revenue adjustments based upon the actual preceding twelve months period, greater than the difference between the purchased gas billed at the then existing rate and the purchased gas billed at the revised rate.

6-2-71

Meter readings taken on and after

DATE OF ISSUE March 19, 1971 DATE EFFECTIVE April 1, 1971

ISSUED BY B. Hudson Milner President Louisville, Kentucky

Issued by authority of an Order of the Public Service Commission of Kentucky in Case No. 3300-T, dated March 16, 1971.

STANDARD RATE SCHEDULE

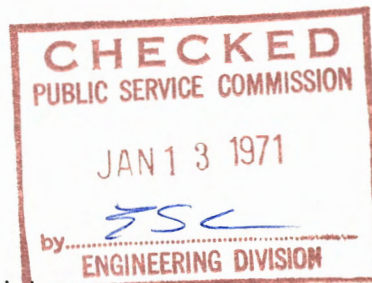
Gas Rate Adjustment on Account of Changes in Cost of Purchased Gas

Applicable to: Gas rate schedules G-1, G-1A, G-2, G-6 and G-8.

Purchased Gas Adjustment:

To each bill rendered under the above-named rate schedules (except minimum bills under Rates G-6 and G-8) there shall be added an amount, computed at the following rate:

.911¢ (911/1000 of one cent) per 100 cubic feet of gas used during the period covered by bill.



Conformed Excerpt from the Public Service Commission's Order Dated November 26, 1957, in Case No. 3200

The rates authorized herein (Case No. 3300 — November 26, 1957) are based upon the wholesale cost of gas to the Applicant (Louisville Gas and Electric Company) as computed upon rates of its wholesale suppliers then currently in effect under Federal Power Commission tariffs for interstate business or under wholesale tariffs of this Commission. For the purpose of this purchased gas adjustment clause, these rates shall be considered as the base rate for purchased gas. In the event there is any change in this base rate, either increase or decrease, the Applicant (Louisville Gas and Electric Company) shall within thirty days from the time it receives notice of the proposed change file with this Commission the following information:

- (1) A copy of the Federal Power Commission tariff effecting the change in the base rates and a statement relative to the effective date of such proposed change.
(2) A statement setting out the details of gas purchased under the provisions of the base rate for the previous twelve months showing billing under the base rate and under the proposed revised rate applicable to this service.
(3) A balance sheet as of the end of the twelve months period and a statement of operating expenses and revenues in the same detail as reported to this Commission in the Utility's Annual Report.
(4) A forecast showing the estimated gas purchases from all of the Utility's contract suppliers for the next twelve months period together with an estimate of the cost thereof.
(5) Such other information as this Commission may request for a proper determination of the purchased gas adjustment.

Upon receipt of this information this Commission will review the effect of the revised base rate on the operations of the Applicant (Louisville Gas and Electric Company) and will prior to the effective date of the revised base rate, but not less than thirty days from date of the filing of the above prescribed information, issue its Order setting out the purchased gas adjustment that the utility shall apply to its rates and/or such refunds as may be proper.

The maximum amount of the adjustment so prescribed shall not produce revenue adjustments based upon the actual preceding twelve months period, greater than the difference between the purchased gas billed at the then existing rate and the purchased gas billed at the revised rate.

Meter readings taken on and after

DATE OF ISSUE January 8, 1971

DATE EFFECTIVE January 26, 1971

ISSUED BY B. Hudson Wilner President Louisville, Kentucky

Issued by authority of an Order of the Public Service Commission of Kentucky in Case No. 3300-S, dated January 5, 1971.

CANCELED FEB 30 1971



STANDARD RATE SCHEDULE

Gas Rate Adjustment on Account of Changes in Cost of Purchased Gas

Applicable to: Gas rate schedules G-1, G-1A, G-2, G-6, and G-8.

Purchased Gas Adjustment:

To each bill rendered under the above-named rate schedules (except minimum bills under Rates G-6 and G-8) there shall be added an amount, computed at the following rate:

.810¢ (810/1000 of one cent) per 100 cubic feet of gas used during the period covered by bill.

The above adjustment is applied to the Company's bills for gas service pursuant to an order of the Public Service Commission of Kentucky dated October 23, 1970, in Case No. 3300-R.

Conformed Excerpt from the Public Service Commission's Order Dated November 26, 1957, in Case No. 3300

The rates authorized herein (Case No. 3300—November 26, 1957) are based upon the wholesale cost of gas to the Applicant (Louisville Gas and Electric Company) as computed upon rates of its wholesale suppliers then currently in effect under Federal Power Commission tariffs for interstate business or under wholesale tariffs of this Commission. For the purpose of this purchased gas adjustment clause, these rates shall be considered as the base rate for purchased gas. In the event there is any change in this base rate, either increase or decrease, the Applicant (Louisville Gas and Electric Company) shall within thirty days from the time it receives notice of the proposed change file with this Commission the following information:

- (1) A copy of the Federal Power Commission tariff effecting the change in the base rates and a statement relative to the effective date of such proposed change.
- (2) A statement setting out the details of gas purchased under the provisions of the base rate for the previous twelve months showing billing under the base rate and under the proposed revised rate applicable to this service.
- (3) A balance sheet as of the end of the twelve months period and a statement of operating expenses and revenues in the same detail as reported to this Commission in the Utility's Annual Report.
- (4) A forecast showing the estimated gas purchases from all of the Utility's contract suppliers for the next twelve months period together with an estimate of the cost thereof.
- (5) Such other information as this Commission may request for a proper determination of the purchased gas adjustment.

Upon receipt of this information this Commission will review the effect of the revised base rate on the operations of the Applicant (Louisville Gas and Electric Company) and will prior to the effective date of the revised base rate, but not less than thirty days from date of the filing of the above prescribed information, issue its Order setting out the purchased gas adjustment that the utility shall apply to its rates and/or such refunds as may be proper.

The maximum amount of the adjustment so prescribed shall not produce revenue adjustments based upon the actual preceding twelve months period, greater than the difference between the purchased gas billed at the then existing rate and the purchased gas billed at the revised rate.

CHECKED  
PUBLIC SERVICE COMMISSION  
DEC 17 1970  
Meter readings taken on and after  
by *[Signature]* November 16, 1970  
ENGINEERING DIVISION

DATE OF ISSUE October 28, 1970 DATE EFFECTIVE November 16, 1970  
ISSUED BY B. Hudson Milner President Louisville, Kentucky  
NAME TITLE ADDRESS

Filed with the Public Service Commission of Kentucky October 29, 1970

RULES AND REGULATIONS GOVERNING THE SUPPLY OF GAS SERVICE

Rules Governing Application of Gas Rate Schedules

All gas service supplied by the Company under its five standard rate schedules shall be subject to the terms and conditions hereinafter set forth.

1. Allowable Capacity of Space Heating Equipment. The total rated input capacity of gas space heating equipment eligible for service under General Gas Rate G-1 or Interruptible Commercial and Industrial Rate G-2 shall be limited to an aggregate of 4,000,000 Btu per hour for any customer at any one location.

Any customer who desires service to space heating equipment of a capacity in excess of 4,000,000 Btu per hour must contract for such service under Dual-Fuel Off-Peak Gas Space Heating Rate G-8 or under General Gas Rate G-1A (Large Volume Space Heating). If a customer elects to take service under Rate G-1A, he must take his entire requirements under such Rate Schedule, except for such requirements as he elects to take under Seasonal Off-Peak Gas Rate G-6. If a customer wishes to take his space heating requirements under Rate G-8, he may contract for his non-heating requirements under Rate G-1, G-2, or G-6, as he elects.

For purposes of rate schedule application, any equipment, such as "make-up-air" heating, which has the same general characteristics as conventional comfort heating shall be considered space heating equipment.

2. Limitations on Large Firm Loads. The Company reserves the right to impose or reimpose limitations on the volume of gas which will be supplied on a firm basis, subject to appropriate filings with the Public Service Commission of Kentucky.

3. Extensions of Facilities and Notice of Requirements. The connection of any new commercial and industrial gas load is contingent upon the existence of sufficient capacity in Company's distribution system at the point of service or Company's ability to extend its system in accordance with its main extension rules and policies. Such connection is also contingent upon sufficient notice being given to enable Company to contract for the quantity of gas required to serve the load.

4. Curtailment and Interruption of Service. Company's standard rate schedules G-2, G-6 and G-8 are available only for interruptible gas service, and Company shall have the right to require curtailment or interruption of gas usage under such rate schedules in accordance with the terms thereof. The order of such curtailment or interruption, insofar as practicable, shall be as follows:

07-71

RECEIVED  
PUBLIC SERVICE COMMISSION  
DEC 3 1968  
by JRR  
ENGINEERING DIVISION

DATE OF ISSUE November 11, 1968

DATE EFFECTIVE December 4, 1968

ISSUED BY

E. Hudson Milner

President

Louisville, Kentucky

NAME

TITLE

ADDRESS

RULES AND REGULATIONS GOVERNING THE SUPPLY OF GAS SERVICE

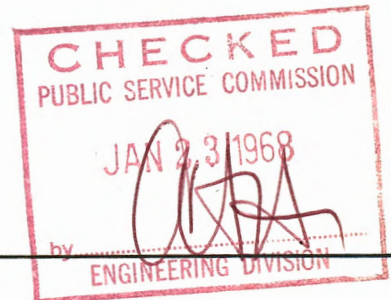
Rules Governing Application of Gas Rate Schedules (Continued)

- Step 1. Deliveries under Seasonal Off-Peak Gas Rate G-6.
- Step 2. Deliveries under Dual-Fuel Off-Peak Gas Space Heating Rate G-8.
- Step 3. Deliveries under Interruptible Commercial and Industrial Gas Rate G-2.

If, after reasonable notice from Company, any customer served under any of the above named interruptible rate schedules fails to limit his use of gas as directed by Company, then Company shall have the right, at its option, to either (1) discontinue its entire supply of gas to such customer and to withhold such supply until satisfactory assurance is given by the customer that any and all subsequent requests for limitation of his gas usage will be fully complied with, or (2) transfer the customer's gas service to General Service Rate G-1 if the load is eligible for service thereunder.

If withdrawal of service under interruptible rate schedules fails to relieve an emergency shortage of gas, the Company shall have the right to direct industrial customers under Rates G-1 and G-1A to limit their use of gas to the amount necessary to prevent damage to equipment.

07-71



DATE OF ISSUE November 8, 1967 DATE EFFECTIVE December 1, 1967

ISSUED BY B. Hudson Milner NAME President TITLE Louisville, Kentucky ADDRESS

Filed with Public Service Commission of Kentucky November 10, 1967

LOUISVILLE GAS AND ELECTRIC COMPANY

Sheets 18-23 CANCEL  
Sheets 86-94 OF PSC #1

Original SHEET NO. 18

CANCELLING SHEET NO.

P. S. C. OF KY. GAS NO. 2

RULES AND REGULATIONS GOVERNING THE SUPPLY OF GAS SERVICE

General Rules

1. Commission Rules and Regulations. All gas service supplied by the Company shall be in accordance with the applicable rules and regulations of the Public Service Commission of Kentucky.

2. Company Rules and Regulations. In addition to the rules and regulations of the Commission, all gas service supplied by the Company shall be in accordance with these "Rules and Regulations Governing the Supply of Gas Service", which shall constitute a part of all applications and contracts for service.

3. Rates, Rules, and Regulations on File. A copy of the rate schedules, rules, and regulations under which gas service is supplied is on file with the Public Service Commission of Kentucky. A copy of such rate schedules, rules, and regulations, together with the law, rules, and regulations of the Commission is available for public inspection in the office of the Company.

4. Applications for Service. A written application or contract, properly executed, may be required before the Company is obligated to render gas service. The Company shall have the right to reject for valid reasons any such application or contract.

All applications for service shall be made in the legal name of the party desiring the service.

The Company may require special contracts for a specified term when an unusual expenditure for construction or equipment is necessary to furnish the customer with service.

5. Transfer of Application. Applications for gas service are not transferable and new occupants of premises will be required to make application for service before commencing the use of gas. Customers who have been receiving gas service shall notify the Company when discontinuance of service is desired and shall pay for all gas service furnished until such notice has been given and final meter readings made by the Company.

6. Deposits. To insure the payment of bills the Company may require any customer or applicant for gas service to furnish satisfactory surety or make a cash deposit in an amount not to exceed two-twelfths of the estimated annual bill of such customer or applicant.

The Company will evidence the receipt of such cash deposits by issuing certificates of deposit which shall bear interest at the rate of six per cent per annum until service is discontinued, but not thereafter, such interest to be paid annually upon demand of the customer or upon return of the deposit.

The Company shall have the right to refund all or a part of such deposit at any time or to require at any time an additional deposit sufficient to maintain the total deposit at an amount equivalent to two-twelfths of the customer's annual bill.

If not previously refunded or credited to the customer's account, the deposit will be returned to the customer by the Company upon discontinuance of service and upon payment by the customer of all unpaid bills. If the deposit is not refunded at the time of discontinuance of service due to failure of the depositor to claim the same or to Company's inability, after reasonable effort, to locate such depositor, the deposit shall remain refundable for an additional period of not more than five years after such discontinuance of service.

CHECKED  
PUBLIC SERVICE COMMISSION  
JUN 6 1962  
by *COB*  
ENGINEERING DIVISION

07-71

DATE OF ISSUE May 1, 1962 DATE EFFECTIVE May 20, 1962  
ISSUED BY G. R. Armstrong *G. R. Armstrong* President Louisville, Ky.  
NAME TITLE ADDRESS

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