

**ORDINANCE 64 REPEALED BY ORDINANCE 79**

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

Government Housing Service

Rate No. B-4

**AVAILABILITY:**

Subject to the Rules and Regulations of the Department of Utilities of the City of Groton applicable thereto, this rate is available:

For agencies of the United States Government exclusively for bulk lighting and limited power service, metered at one point on each reservation for the purpose of supplying multiple units of housing, constructed or acquired by the United States Government. The City of Groton, Department of Utilities, will provide a sufficient aerial electrical distribution system, consisting of poles, wires, transformers, and other pertinent equipment for connecting each unit to the system but shall not include street lights, traffic signals, or other special service installations, such as underground facilities, without additional contribution for "aid of construction", "maintenance", and "operation". This service shall not be resold to any person, firm, or corporation.

**MONTHLY RATE (SUBJECT TO FUEL CHARGE ADJUSTMENT):**

All Kwh at 7.60 cents per Kwh

**FUEL CHARGE ADJUSTMENT:** This rate shall be subject to a fuel charge adjustment for all kilowatt-hours of electricity used. The amount of the fuel charge adjustment shall be determined from the applicable monthly Connecticut Municipal Electric Energy Cooperative (the Department's jointly-owned wholesale power supplier) fuel charge computation. When the Cooperative's monthly kilowatt-hour fuel charge is a credit, the resulting factor will be utilized to compute a credit on the customer's monthly bill, and when the Cooperative's monthly kilowatt-hour fuel charge is a debit, the resulting factor will be utilized to compute a debit on the customer's monthly bill.

**TERM OF CONTRACT:** For the period of one year and thereafter, with eleven (11) months notice of termination.

**EFFECTIVE DATE:** With all meter readings taken on January 1, 1987, and thereafter, until revised.

Small Commercial Service  
(Peak Demands of 50 Kw or less)

Rate No. C-3A

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

**AVAILABILITY:**

Subject to the Rules and Regulations of the Department of Utilities of the City of Groton applicable thereto, this rate is available:

1. For single or three phase service on the Department's distribution lines suitable for providing the service requested.
2. For all lighting and power purposes, other than residential, except as hereinafter provided, at any distribution voltage standard with the Department, delivery to the customer and metered at one point at either primary or secondary distribution voltage.
3. For limited residential use by the owners of multiple-family dwellings, for the purpose of providing general service to tenants for common areas, for use such as heat, house lights, etc., but not for use in a single-living unit by a family for its normal household requirements delivered to the customer and metered at secondary distribution voltage.
4. Not for combined commercial and residential use on one meter.
5. For exclusive electric service, or for auxiliary service by special agreement.
6. For customers whose monthly demand fluctuates around the 50 KW maximum demand of this rate, service and billing will be provided under Rate C-3A or Rate C-4, whichever produces the lower annual billing. After twelve (12) months of service of this rate, the subsequent applicability of either the Rate C-3A or Rate C-4 will be annually reviewed and determined by the Department based upon the customer's prior twelve (12) months consumption history.

**MONTHLY RATE (SUBJECT TO FUEL CHARGE ADJUSTMENT):**

Customer Charge	\$11.00 per month
Demand Charge	5.50 per Kw
Energy Charge:	6.66 cents per Kwh

**FUEL CHARGE ADJUSTMENT:** This rate shall be subject to a fuel charge adjustment for all kilowatt-hours of electricity used. The amount of the fuel charge adjustment shall be determined from the applicable monthly Connecticut Municipal Electric Energy Cooperative (the Department's jointly-owned wholesale power supplier) fuel charge computation. When the Cooperative's monthly kilowatt-hour fuel charge is a credit, the resulting factor will be utilized to compute a credit on the customer's monthly bill, and when the Cooperative's monthly kilowatt-hour fuel charge is a debit, the resulting factor will be utilized to compute a debit on the customer's monthly bill.

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

**DETERMINATION OF DEMAND:** The demand is defined as the highest 15-minute load in kilowatts occurring during the billing month as measured by demand meter or by test under full load operating conditions. When determined by test, such determination shall continue in affect until a new determination is made. In no event shall the demand for billing purposes be less than one kilowatt or less than 70% of the highest kilowatt demand occurring during the preceding eleven (11) months.

The Department will evaluate customer requests for service and will advise the customer of the approximate rate applicability.

**MINIMUM MONTHLY CHARGE:** The Customer charge plus the demand charge plus the demand charge plus the charge for kilowatt-hour used.

**TERM OF CONTRACT:** One year and thereafter until thirty (30) days written notice of termination.

**SPECIAL PROVISIONS:**

**Fluctuating Loads:** Where the customer uses service for the operation of devices or equipment having a fluctuating load or a load of short duration, such as welding equipment, elevator motors, etc., it may be necessary for the Department to install additional transformer capacity in excess of that normally required by the customer's 15-minute kilowatt demand in order to maintain satisfactory voltage regulation. Where such additional transformer capacity is required, there shall be an additional charge of 82 cents per month per KVA of excess capacity.

**EFFECTIVE DATE:** With all meter readings taken on January 1, 1987, and thereafter, until revised.

**THE CITY OF GROTON DEPARTMENT OF UTILITIES**

**ELECTRIC RATE**

Large Commercial Service  
(Peak Demands Greater than 50 KW)

Rate No. C-4

**AVAILABILITY:**

Subject to the Rules and Regulations of the Department of Utilities of the City of Groton applicable thereto, this rate is available:

1. For a single or three phase service on the Department's distribution lines suitable for providing the service requested.

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

2. For all lighting and limited power purposes, other than residential, except as hereinafter provided, at any distribution voltage standard with the Department, delivered to the customer and metered at one point at either primary or secondary distribution voltage.
3. For limited residential use by the owners of multiple family dwellings for the purpose of providing general service to tenants for common areas, for uses such as heat, house light, etc., but not for use in a single living unit by a family for its formal household requirements, delivered to the customer and metered at secondary distribution voltage.
4. Not for combined commercial and residential use on one meter.
5. For exclusive electric service, or for auxiliary service by special agreement.
6. For customers whose monthly demand fluctuates around the 50 KW minimum demand of this rate, service and billing will be provided under Rate C-4 or Rate C-3A, whichever produces the lower annual billing. After twelve (12) months of service on this rate, the subsequent applicability of determined by the Department based upon the customer's prior twelve (12) months consumption history.

**MONTHLY RATE (SUBJECT TO FUEL CHARGE ADJUSTMENT):**

Customer Charge	\$ 11.00 per month
Demand Charge:	
First 50 KW or less	\$ 287.50 per month
All in excess of 50 KW	\$ 5.75 per KW
Energy Charge:	5.94 cents per Kwh

**FUEL CHARGE ADJUSTMENT:** This rate shall be subject to a fuel charge adjustment for all kilowatt-hours of electricity used. The amount of the fuel charge adjustment shall be determined from the applicable monthly Connecticut Municipal Electric Energy Cooperative (the Department's jointly-owned wholesale power supplier) fuel charge computation. When the Cooperative's monthly kilowatt-hour fuel charge is a credit, the resulting factor will be utilized to compute a credit on the customer's monthly bill, and when the Cooperative's monthly kilowatt-hour fuel charge is a debit, the resulting factor will be utilized to compute a debit on the customer's monthly bill.

**DETERMINATION OF DEMAND:** The demand is defined as the highest 15-minute load in kilowatts occurring during the billing month as measured by demand meter or by test under full load operating conditions. When determined by test, such determination shall continue in effect until a new determination is made. In no event shall the demand for billing purpose be less than fifty (50) kilowatts or less than 70% of the highest kilowatt demand occurring during the preceding eleven (11) months.

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

The Department will evaluate customer requests for service and will advise the customer of the appropriate rate applicability.

MINIMUM MONTHLY CHARGE: The customer charge plus the demand charge plus the charge for kilowatt-hours used.

TERM OF CONTRACT: One year and thereafter until thirty (30) days written notice termination.

**SPECIAL PROVISIONS:**

1. Primary Metering Discount: Where the service is metered at primary distribution voltage, 2% of the energy charge will be deducted.
2. Customer-owned Transformer Discount: Where the Department is relieved of installing and/or owning any transformer facilities, a deduction at the rate of 15 cents per kilowatt of demand shall be made in the bill.
3. Fluctuating Loads: Where the customer uses service for the operation of devices or equipment having a fluctuating load or a load of short duration, such as welding equipment, elevator motors, etc., it may be necessary for the Department to install additional transformer capacity in excess of that normally required by the customer's 15-minute kilowatt demand in order to maintain satisfactory voltage regulation. Where such additional transformer capacity is required, there shall be an additional charge of 82 cents per month per KVA of excess capacity.

EFFECTIVE DATE: With all meter readings taken on January 1, 1967, and thereafter, until revised.

**THE CITY OF GROTON DEPARTMENT OF UTILITIES  
ELECTRIC RATE**

Small Industrial and Wholesale Power Service

Rate No. D-3

**AVAILABILITY:**

Subject to the Rules and Regulations of the Department of Utilities of the City of Groton applicable thereto, this rate is available:

1. For service other than single or multi-family residential delivered and metered at one location at a primary distribution voltage, or higher voltage, standard with the Department for that location.
2. All transformation, substation, and other facilities beyond the meter will be furnished and maintained by the customer.
3. For exclusive service or for auxiliary service by special agreement.

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

MONTHLY RATE (SUBJECT TO FUEL CHARGE ADJUSTMENT): The monthly charge under this rate shall be the sum of the kilowatt demand, reactive demand, and energy charges as follows:

Demand Charge	
First 100 KW or less	\$800.00 per month
Next 200 Kw	6.50 per KW
All in excess of 300 KW	4.00 per KW
Energy Charge:	
First 200 Kwp per KW	5.85 cents per Kwh
Al 1 in excess of 200 Kwh per Kw	5.71 cents per Kwh

FUEL CHARGE ADJUSTMENT: This rate shall be subject to a fuel charge adjustment for all kilowatt-hours of electricity used. The amount of the fuel charge adjustment shall be determined from the applicable monthly Connecticut Municipal Electric Energy Cooperation (the Department's jointly-owned wholesale power supplier) fuel charge is a credit, the resulting factor will be utilized to compute a credit on the customer's monthly bill and when the Cooperative's monthly kilowatt-hour fuel charge is a debit the resulting factor will be utilized to compute a debit on the customer's monthly bill.

DETERMINATION OF KILOWATT DEMAND: Kilowatt demand is defined as the highest 15-minute load in kilowatts occurring during the month as determined by continuous measurements or by test under full load operating conditions. When determined by test, such determination shall continue in effect until a new determination is made.

For billing purposes, the kilowatt demand during peak hours shall not be less than the following percentages of the highest kilowatt demand occurring during the peak hours of the preceding eleven (11) months:

For demand of from 100 to 750 kilowatts	80%
For demand equal to or greater than 751 kilowatts	90%

REACTIVE DEMAND CHARGE: When service is taken at subtransmission voltage or higher, the customer is required to maintain a power factor within the range of:

equal to or greater than 99% lagging  
or  
equal to or less than 101% leading.

When the power factor is less than 99% lagging or greater than 101% leading, and additional charge per month per leading or lagging kVAR in excess of 14% of the kilowatt demand may be made. This additional charge will be the greater of 44 cents per month per excess kVAR or the customer's prorated portion of the applicable monthly penalty imposed upon the Department by its supplier. The Department may require, at its option, that the 15-minute power factor not be less than 99%

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

lagging or greater than 101% leading at anytime during the month as a condition of service at the subtransmission level.

The ratio between kilowatt and reactive demands may be determined either by continuous instruments or by periodic tests at reasonable intervals, and if determined by test, the resulting ratio will remain in effect until a new determination is made.

**ADDITIONS AND DEDUCTIONS:**

1. Metering Discount: Where the service is metered at subtransmission voltage or higher, 2% of the energy charge will be deducted.
2. Customer-owned Transformer Discount: Where service is taken at subtransmission voltage or higher and the Department is relieved of furnishing any transformation and substation equipment except the metering equipment, 15 cents per kilowatt per month will be deducted from the kilowatt demand charge.
3. Secondary Service: Where the customer desires service delivered at a standard voltage of less than primary distribution voltage and the Department is willing to supply one standard transformer installation therefore, there will be an additional monthly charge of 5/6 of one percent of the cost of such transfer installation.

**MINIMUM MONTHLY CHARGE:** The minimum monthly charge shall be the sum of the kilowatt and reactive demand charges, plus the charge for energy used. The Department may, however, require a higher minimum charge where the installation is a large size or is affected by special conditions.

**NOTIFICATION REQUIREMENT:** Any customer taking service under this rate shall notify the Department in writing or any plan under consideration involving load control devices or equipment. Said notification requirement in the case of load control devices or equipment shall be a minimum of six (6) months prior to the anticipated date of installation of such equipment or devices.

Additionally, any customer taking service under this rate shall be required to provide the Department in writing if the customer has advance knowledge of load additions or load deletions in excess of twenty (20) percent of its average load in the immediately preceding twelve (12) months. The customer shall also respond to written requests from the Department concerning forecasts of the customer's load.

**TERM OF CONTRACT:** Not less than one year and thereafter unless cancelled by six months written notice. The Department may, however, require a longer term of contract and a longer cancellation notice when the installation is of large size or is affected by special conditions.

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

EFFECTIVE DATE: With all meter readings taken on January 1, 1987, and thereafter, until revised.

THE CITY OF GROTON DEPARTMENT OF UTILITIES  
ELECTRIC RATE

Large industrial and Wholesale Power Service

Rate No. D-4

AVAILABILITY:

Subject to the Rules and Regulations of the Department of Utilities of the City of Groton applicable thereto, this rate is available.

1. For service other than residential, delivered and metered at a sub-transmission voltage level (33 KV) standard with the Department, with customer owning and maintaining all transformation, substation, and facilities beyond the metering installation.
2. Unless otherwise agreed to by the Department, service is provided by an existing dual feed subtransmission configuration.
3. Interruptible energy is available through this rate.

MONTHLY RATE (SUBJECT TO FUEL CHARGE ADJUSTMENT): The monthly charge under this rate shall be the sum of the kilowatt demand, reactive demand, and energy charges as follows:

Demand Charge	
First 10,000 Kw or less	\$120,000.00 per month
All in excess of 10,000 Kw	12.00 per Kw
Energy Charge:	
For all Kwh or minimum energy	4.053 cents per Kwh
Charge absent <u>force majeure</u>	

FUEL CHARGE ADJUSTMENT: This rate shall be subject to a fuel charge adjustment for all kilowatt-hours of electricity used. The amount of the fuel charge adjustment shall be determined from the applicable monthly Connecticut Municipal Electric Energy Cooperative (the Department's jointly-owned wholesale power supplier) fuel charge computation. When the Cooperative's monthly kilowatt-hour fuel charge is a credit, the resulting factor will be utilized to compute a credit on the customer's monthly bill, and when the Cooperative's monthly kilowatt-hour fuel charge is a debit, the resulting factor will be utilized to compute a debit on the customer's monthly bill.

DETERMINATION OF KILOWATT DEMAND: Kilowatt demand is defined as the highest 15-minute load in kilowatt occurring during the month as determined by continuous measurement



or by test under full load operating conditions. When determined by test, such determination shall continue in effect until a new determination is made.

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

For billing purposes, the kilowatt demand for the customer peak demand for the month shall be no less than 90% of the highest kilowatt demand as metered during the preceding eleven (11) months.

REACTIVE DEMAND CHARGE: For all service under this rate, the customer is required to maintain a power factor within the range of:

equal to or greater than 99% lagging  
or  
equal to or less than 101% leading.

When the power factor is less than 99% lagging or greater than 101% leading, an additional charge per month per leading or lagging KVAR in excess of 14% of the kilowatt demand may be made. This additional charge will be the greater of 44 cents per month per excess kVAR or the customer's prorated portion of the applicable monthly penalty imposed upon the Department by its supplier. The Department may require, at its option, that the 15-minute power factor not be less than 99% lagging or greater than 101% leading at anytime during the month as a condition of service.

The ratio between kilowatt and reactive demands may be determined either by continuous measuring instruments or by periodic tests at reasonable intervals, and if determined by test, the resulting ratio will remain in effect until a new determination is made.

DETERMINATION OF ENERGY CONSUMPTION: Absent force majeur, for billing purposes, the customer will be charged for a minimum monthly kilowatt-hour consumption such that, using the billing demand, the computed monthly load factor will be equal 0.50 (50 percent). For this tariff, load factor is computed for some time period as follows:

$$\text{Load Factor} = \frac{\text{Energy consumed in the period}}{(\text{Hours in the period}) (\text{Billing peak demand in period})}$$

MINIMUM MONTHLY CHARGE: The minimum monthly charge shall be the sum of the kilowatt and reactive demand charges and the energy consumption. The Department may, however, require a higher minimum charge where the installations affected by special conditions.

NOTIFICATION REQUIREMENT: Any customer taking service under this rate shall notify the Department in writing of any plan under consideration involving load control devices or equipment and the installation of new or additional generating capability. Said notification requirement in the case of load control devices or equipment shall be a minimum of six (6) months prior to the anticipated date of installation of such equipment or devices. In the case of new or additional generating capability, the notification requirement shall be a minimum of twelve (12) months prior to the anticipated date of installation.

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

Additionally, any customer taking service under this rate shall be required to provide the Department in writing if the customer has any advance knowledge of load additions or load deletions in excess of twenty (20) percent of its average load in the immediately preceding twelve (12) months. The customer shall also respond to written request from the Department concerning forecasts of the customer's load.

TERM OF CONTRACT: Not less than one year and thereafter unless cancelled by six months written notice. The Department may, however, require a longer term of contract and a longer cancellation notice when the installation is one large size or its affected by special conditions.

EFFECTIVE DATE: With all meter readings taken on January 1, 1987, and thereafter, until revised.

**THE CITY OF GROTON DEPARTMENT OF UTILITIES**

**RIDER A APPLICABLE TO D-4 RATE  
INTERRUPTIBLE POWER SERVICE**

**AVAILABILITY:**

Subject to the Rules and Regulations of the Department of Utilities of the City of Groton applicable thereto, this Rider is available.

To any customer serviced under the D-4 rate who owns and operates A. C. generation and has a firm power kilowatt demand during the previous eleven (11) months of 10,000 kilowatts or greater.

INTERRUPTIBLE LOAD is defined as blocks of power the Department of Utilities identifies and assigns to customers taking service under Rider A for specified periods as the Department seems advisable. Customers electing this service agree to reduce their load to their Firm Power level within one hour upon notification from the Department of Utilities. The Firm Power level of those customers unable to reduce their interruptible load will be adjusted in accordance with the provisions under "DETERMINATION OF FIRM POWER KILOWATT DEMAND".

BILLING COMPUTATION: Customers taking service under Rider A shall be rendered a two part bill as follows:

**PART 1 (SUBJECT TO FUEL CHARGE ADJUSTMENT):**

The monthly charge under Part 1 shall be the same of the Firm Power kilowatt demand, reactive demand, and energy charges as follows:

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

**FIRM POWER KILOWATT DEMAND CHARGE:**

First 10,000 Kw or less	\$120,000.00 per month
All in excess of 10,000 Kw	12.00 per Kw

**FIRM POWER ENERGY CHARGE:**

For all Kwh or minimum energy charge absent force majeure	4.053 cents per Kwh
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**FUEL CHARGE ADJUSTMENT:** This Rider shall be subject to a fuel charge adjustment for all kilowatt-hours of electricity used. The amount of the fuel charge adjustment shall be determined from the applicable monthly Connecticut Municipal Electric Energy Cooperative (the Department's jointly-owned wholesale power supplier) fuel charge computation. When Cooperative's monthly kilowatt-hour fuel charge is a credit, the resulting factor will be utilized to compute a credit on the customer's monthly bill, and when the Cooperative's monthly kilowatt-hour fuel charge is a debit, the resulting factor will be utilized to compute a debit on the customer's monthly bill.

**DETERMINATION OF FIRM POWER KILOWATT DEMAND:** The Firm Power Kilowatt Demand is defined as the highest 15-minute load in kilowatts occurring during the month, as determined by continuous measurement, reduced by the scheduled interruptible allocation as it may occur from time to time.

When a customer elects Rider A, the initial Firm Power Kilowatt Demand will be established at the customer's current billing kilowatt demand of record.

For billing purposes, the Firm Power Kilowatt Demand for the customer peak demand for the month shall be no less than 90 percent of the highest kilowatt demand as metered during the preceding eleven (11) months.

**DETERMINATION OF FIRM POWER ENERGY:** Firm Power Energy is defined as all energy taken during the month up to the Firm Power Demand level.

**DETERMINATION OF ENERGY CONSUMPTION:** Absent force majeure, for billing purposes, the customer will be charged for a minimum monthly kilowatt-hour consumption such that, using the Firm Power billing demand, the computed monthly load factor will equal 0.50 (50 percent). For this tariff, load factor is computed for some time period as follows:

$$\text{Load factor} = \frac{\text{Energy consumed in the period}}{(\text{Hours in the period}) (\text{Firm Power Billing peak demand in the Period})}$$

**REACTIVE DEMAND CHARGE:** For all service under this rate, the customer is required to maintain a power factor within the range of:

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

equal to or greater than 99% lagging  
or

equal to or less than 101% leading

When the power factor is less than 99% lagging or greater than 101% leading, an additional charge per month per leading or lagging KVAR in excess of 14% of the kilowatt demand may be made. This additional charge will be the greater of 44 cents per month per excess KVAR or the customer's prorated portion of the applicable monthly penalty imposed upon the Department by its supplier. The Department may require, at its option, that the 15-minute power factor not be less than 99% lagging or greater than 101% leading at anytime during the months as a condition of service at the subtransmission level.

The ratio between firm power kilowatt and reactive demands may be determined either by continuous measuring instruments or by periodic tests at reasonable intervals, and if determined by test, the resulting ratio will remain in effect until a new determination is made.

**PART 2 (SUBJECT TO FUEL CHARGE ADJUSTMENT):**

The monthly charge under Part 2 shall be 4.053 cents per kilowatt-hour for all energy recorded during the month less the Firm Power Energy billed under Part 1.

FUEL CHARGE ADJUSTMENT shall be the same as defined in Part 1.

**MINIMUM MONTHLY CHARGE:** The minimum monthly charge shall be the sum of Part 1 and Part 2. The Department may, however, require a higher minimum charge where the installation is of large size or is affected by special conditions.

**BILLING CYCLE:** Customers taking service under Rider A shall be billed in accordance with the Department of Utilities' normal billing cycle as it may occur from time to time.

**NOTIFICATION REQUIREMENT:** Any customer taking service under this Rider shall notify the Department in writing of any plan under consideration involving load control devices or equipment and the installation of new or additional generating capability. Said notification requirement in the case of load control devices or equipment shall be a minimum of six (6) months prior to the anticipated date of installation of such equipment or devices. In the case of new or additional generating capability, the notification requirement shall be a minimum of twelve (12) months prior to the anticipated date of installation.

Additionally, any customer taking service under this Rider shall be required to provide the Department in writing if the customer has advance knowledge of load additions or load deletions in excess of twenty (20) percent of its average load in the immediately preceding twelve (12) months.

The customer shall also respond to written requests from the Department concerning forecasts of the customer's load.

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

TERM OF CONTRACT: Not less than one year and thereafter unless cancelled by six months written notice. The Department may, however, require a longer term of contract and a longer cancellation notice when the installation is of large size or is affected by special conditions.

EFFECTIVE DATE: With all meter readings taken on January 1, 1987, and thereafter, until revised.

THE CITY OF GROTON DEPARTMENT OF UTILITIES  
ELECTRIC RATE

Street and Area Lighting Service

Rate No. L-1

AVAILABILITY

Subject to the Rules and Regulations of the Department of Utilities of the City of Groton applicable thereto, this rate is available to:

1. Municipalities within the service area of the Department where adequate distribution facilities exist.
2. Individuals, corporations, and Government Agencies within the service area of the Department where adequate distribution facilities exist.

RATE (SUBJECT TO FUEL CHARGE ADJUSTMENT): The monthly charge under this rate shall be one-twelfth on of annual charge for the maintenance and operation of suitable fixtures in good working condition during approximately 4,000 burning hours per year.

ANNUAL CHARGE FOR OVERHEAD INSTALLATION, PRORATED AND BILLED MONTHLY: Annual charge includes cost of a conventional lighting fixture mounted on a existing pole that is served by an overhead distribution systems.

<u>Lumen Rating and Type</u>	<u>Annual Rate per Light</u>
150 W Spotlight	\$ 65.37 Each
500 W Floodlight	216.22 Each
600 Lumen Incandescent (Red, Used as Fire Alarm Station Indicators)	40.23 Each
1,000 Lumen Incandescent	50.28 Each
2,500 Lumen Incandescent	75.43 Each
3,000 Lumen Mercury Vapor	60.33 Each

7,000	Lumen Mercury Vapor	100.56	Each
10,000	Lumen Mercury Vapor	120.69	Each
16,000	Lumen Mercury Vapor*	140.79	Each
20,000	Lumen Mercury Vapor	160.92	Each

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

47,000	Lumen Mercury Vapor	341.93	Each
4,000	Lumen ( 50W) High Pressure Sodium	55.91	Each
5,800	Lumen (100W) High Pressure Sodium	73.64	Each
9,500	Lumen (100W) High Pressure Sodium	108.44	Each
16,000	Lumen (150W) High Pressure Sodium	132.98	Each
22,000	Lumen (200W) High Pressure Sodium	149.79	Each
50,000	Lumen (400W) High Pressure Sodium	212.04	Each

MINIMUM CHARGES: Thirty-six (36) monthly charges from the date of installation.

RATE: (SUBJECT TO FUEL CHARGE ASJUSTMENT): The monthly charge under this rate shall be one-twelfth of the annual charge for maintenance and operation of suitable fixtures in good working condition during approximately 4,000 burning hours per year.

ANNUAL CHARGE FOR UNDERGROUND INSTALLATION, PRORATED AND BILLED MONTHLY: Annual charge include cost of a conventional lighting fixture mounted on a new pole that is serviced by an underground distribution system.

<u>Lumen Rating and Type</u>	<u>Annual Rate per Light</u>
3,000 Lumen Mercury Vapor	\$105.19 Each
7,000 Lumen Mercury Vapor	131.58 Each
5,000 Lumen ( 70W) High Pressure Sodium	123.66 Each
16,000 Lumen (150W) High Pressure Sodium	190.82 Each

MINIMUM CHARGES: Sixty (60) monthly charges from the installation date.

FUEL CHARGE ADJUSTMENT: This rate shall be subject to a fuel charge adjustment for all kilowatt-hours of electricity used. The amount of the fuel charge adjustment shall be determined from the applicable monthly Connecticut Electric Energy Cooperative (the Department's jointly-owned wholesale power supplier) fuel charge computation. When the Cooperative's monthly kilowatt-hour fuel charge is a debit, the resulting factor will be utilized to compute a debit on the customer's monthly bill.

EFFECTIVE DATE: With all meter readings taken on January 1, 1987, and thereafter, until revised.

\*This service will no longer be available after April 1, 1982

**64. THE CITY OF GROTON DEPARTMENT OF UTILITIES ELECTRIC RATE  
(JANUARY 5, 1987)**

This Ordinance is not subject to referendum pursuant to Article VIII, Section 4 (b), of the City of Groton Charter, effective July 1, 1977.

Initially approved: December 1, 1986

Finally approved: January 5, 1987